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Summary of Operations and Performance of the Murdock Site Restoration Project in 2008

Environmental Science Division

USDA
United States Department of Agriculture
Work sponsored by Commodity Credit Corporation,
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by
Applied Geosciences and Environmental Management Section
Environmental Science Division, Argonne National Laboratory

June 2009

United States Department of Agriculture

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Notation

AGEM	Applied Geosciences and Environmental Management
BGL	below ground level
CCC	Commodity Credit Corporation
CD	compact disc
cm	centimeter(s)
d	day(s)
DBH	diameter at breast height
DO	dissolved oxygen
EPA	U.S. Environmental Protection Agency
Fe^{2+}	reduced iron
ft	foot (feet)
g	gram(s)
gal	gallon(s)
gpm	gallon(s) per minute
GWEX	groundwater extraction well
hr	hour(s)
in.	inch(es)
kg	kilogram(s)
L	liter(s)
μg/kg	microgram(s) per kilogram
μg/L	microgram(s) per liter
$\mu g/m^3$	microgram(s) per cubic meter
mm	millimeter(s)
MRL	minimal risk level
ND	not detected
NDEQ	Nebraska Department of Environmental Quality
O&M	operating and maintenance
ORP	oxidation-reduction potential
USDA	U.S. Department of Agriculture
VOC	volatile organic compound
yr	year(s)

Summary of Operations and Performance of the Murdock Site Restoration Project in 2008

Executive Summary

This document reports on the performance in calendar year 2008 of the remediation systems installed by the Commodity Credit Corporation of the U.S. Department of Agriculture (CCC/USDA) at Murdock, Nebraska. The data presented here indicate that the remediation systems are functioning successfully as designed. Specific indicators of this success are as follows:

- Seasonal operation of the upgradient groundwater extraction well captures elevated concentrations of carbon tetrachloride near the location of the former CCC/USDA grain storage facility. The water is treated by spray irrigation equipment and is beneficially reused to improve the quality of the local school's athletic fields. The treated spray has consistently met the established compliance criteria. This part of the remediation system was not operated in 2008, however, because unusually heavy rainfall prevented the school from accepting the discharged spray throughout the review period.

- Uptake of carbon tetrachloride and chloroform by the planted stand of some 2,000 trees has been confirmed through the seasonal detection of these contaminants in branch tissues. The extent of demonstrated contaminant uptake in 2008 remained similar to that observed in 2007 and is consistent with the estimated extent of the groundwater plume. The concentrations detected have declined slightly since the 2007 season.

- Carbon tetrachloride levels in surface waters decrease rapidly along the flow path through the phytoremediation and wetlands treatment areas. The surface water discharged from the treatment system has consistently met the established compliance criteria.

- No carbon tetrachloride has been detected at unacceptable levels in ambient air encountered by workers and visitors in the phytoremediation and wetlands treatment areas. The levels of carbon tetrachloride detected in the ambient air at sampling points AA1-AA3 were significantly below the regulatory target

level (192 μg/m^3) adopted for this contaminant by the U.S. Environmental Protection Agency (by approximately two orders of magnitude).

- Noteworthy results regarding the performance of the remediation systems at Murdock during the current review period include the following:

  - The GWEX1 extraction well and spray irrigation treatment unit were not operated during the current review period as a consequence of frequent heavy rainfalls and resulting persistent wet surface conditions at Murdock throughout much of the spring, summer, and fall. These conditions precluded the use of these components of the Murdock remediation systems throughout the seasonal operating window during which the spray irrigation treatment process can be effectively employed.

  - Distinct seasonal fluctuations in groundwater levels were observed in 2008 at all monitoring locations in the phytoremediation area. The fluctuations appeared to be linked to diurnal effects of groundwater "pumping" by the phytoremediation plantings and nearby crops. Limited estimates based on measurements of discharge from the wetlands suggest that this effect reduced net surface water flow by 30-40 gpm during *maximum daily water usage* at the height of the 2008 growing season, calculated as the greatest difference between observed maximum and minimum flows for a single day. This is an increase in maximum daily water usage from the values of 15-20 gpm reported for 2007.

  - *Average daily water uptake* by the remedial system was measured by using thermal dissipation probes to quantify sap flow and thus water use by the trees. The tree stand appears to have taken up, at the height of the growth season, 8,000-20,000 gal/d of water (average 14,000 gal/d), 84% of which was used by willows. The estimated rate represents approximately 50-67% of the average daily reduction (per 24-h day) in discharge observed at the wetlands outfall during the height of the growing season.

- The increased ratio of chloroform to carbon tetrachloride observed in plant tissues versus groundwater suggests that carbon tetrachloride degradation is occurring in the phytoremediation system. The degradation could be associated with the plant tissue activity, microbial activity in the root zones of the plantings, or both.

- Geochemical data obtained from the monitoring well network during the 2008 growing season indicate that conditions were slightly more oxidizing than in 2006 and 2007. In none of these years did the results indicate widespread development of reducing conditions in the aquifer that might facilitate localized degradation of carbon tetrachloride in the subsurface.

- Increased carbon tetrachloride concentrations detected in groundwater in summer 2007 and throughout 2008 in three wells with shallow completions in the upgradient (headwaters) portion of the phytoremediation area might reflect the movement of more highly contaminated water from the deeper portion of the aquifer into the shallower portion at these locations, in association with the observed rise in groundwater levels due to heavy rainfall.

- Carbon tetrachloride was consistently measured, often at elevated concentrations, in branch tissues of cottonwoods planted where the depth to groundwater is greatest. These results indicate that the roots of these trees have reached the contaminant plume. Sampling in 2008 confirmed the 2007 findings.

- Heavy precipitation during the 2007 and 2008 review periods raised the groundwater levels at Murdock significantly, relative to the levels observed during construction of the phytoremediation and wetlands areas in 2005. The heavy precipitation fostered abundant growth of the phytoremediation plantings and might have placed groundwater within reach of the developing root systems. The continuing (potentially detrimental) effects of these high levels will bear close observation.

1 Introduction

This document summarizes the performance of the groundwater and surface water restoration systems installed by the Commodity Credit Corporation of the U.S. Department of Agriculture (CCC/USDA) at the former CCC/USDA grain storage facility in Murdock, Nebraska, during the third full year of system operation, from January 1 through December 31, 2008. Performance in June 2005 through December 2007 was reported previously (Argonne 2007, 2008).

In the Murdock project, several innovative technologies are being used to remove carbon tetrachloride contamination from a shallow aquifer underlying the town, as well as from water naturally discharged to the surface at the headwaters of a small creek (a tributary to Pawnee Creek) north of the town (Figure 1.1). The restoration activities at Murdock are being conducted by the CCC/USDA as a non-time-critical removal action under the regulatory authority and supervision of the U.S. Environmental Protection Agency (EPA), Region VII. Argonne National Laboratory assisted the CCC/USDA by providing technical oversight for the restoration effort and facilities during this review period.

Included in this report are the results of all sampling and monitoring activities performed in accord with the EPA-approved *Monitoring Plan* for this site (Argonne 2006), as well as additional investigative activities conducted during the review period.

The annual performance reports for the Murdock project assemble information that will become part of the five-year review and evaluation of the remediation effort. This review will occur in 2010.

This document presents overviews of the treatment facilities (Section 2) and site operations and activities (Section 3), then describes the groundwater, surface water, vegetation, and atmospheric monitoring results (Section 4) and modifications and costs during the review period (Section 5). Section 6 summarizes the current period of operation. A gallery of photographs of the Murdock project is in Appendix A.

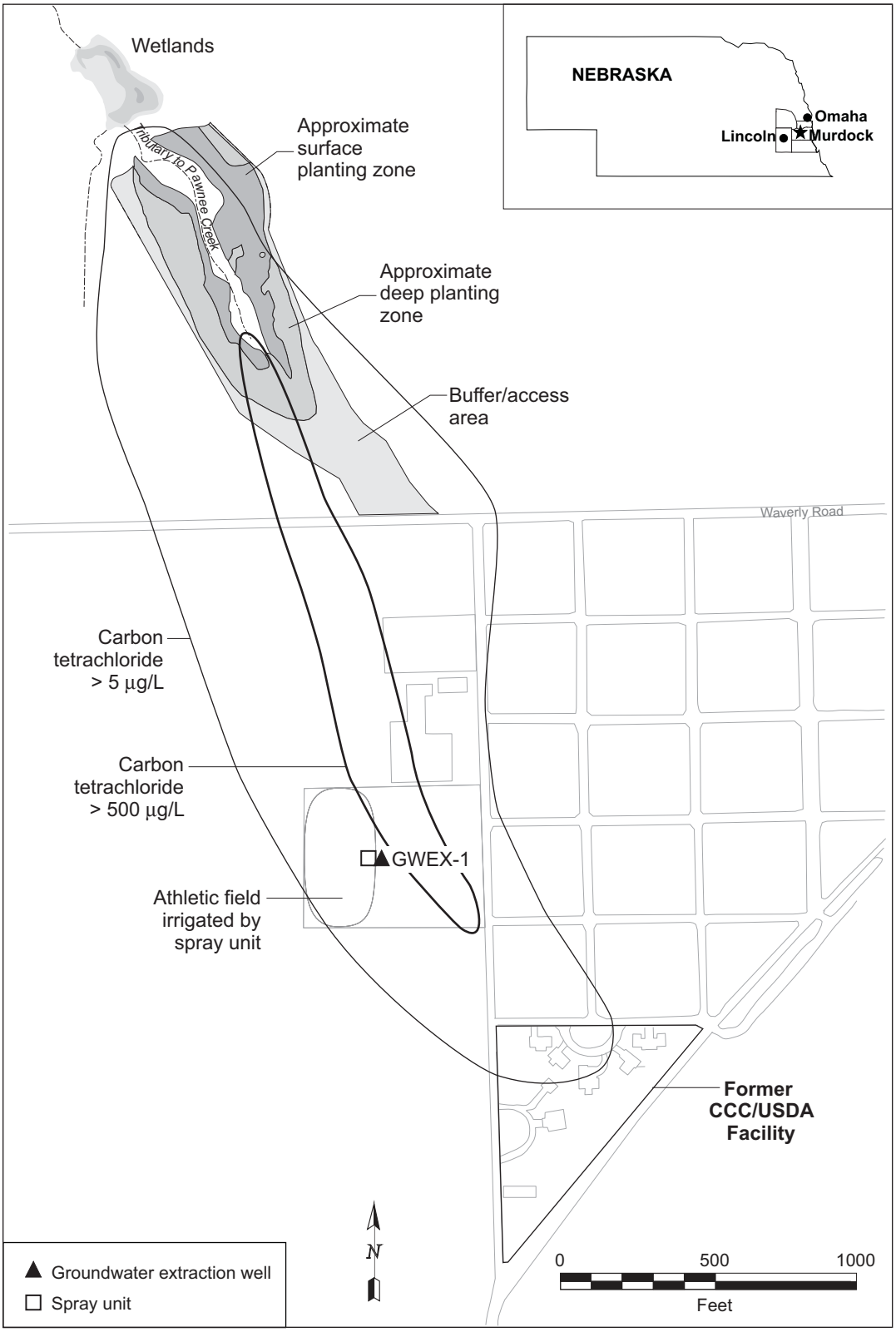


FIGURE 1.1 Locations of Murdock, the carbon tetrachloride plume in groundwater, and the treatment facilities.

2 Overview of the Treatment Facilities at Murdock

The removal action implemented at Murdock employs several innovative technologies in sequence along the contaminant migration pathway to decrease carbon tetrachloride levels in groundwater and in water naturally discharged to the surface at the headwaters of the tributary creek. The principal elements of this restoration approach are described below. The facilities include (1) a groundwater extraction well and spray irrigation treatment system, (2) a phytoremediation and buffer vegetation planting area, and (3) constructed wetlands (Figure 2.1).

2.1 Well GWEX-1 and the Spray Irrigation Treatment Unit

Groundwater extraction well GWEX-1 (Figure 2.1) removes contaminated groundwater from the upgradient, more concentrated portion of the carbon tetrachloride plume, before the high contaminant concentrations reach the headwaters of the tributary creek. A specially designed mobile spray treatment unit (Figure 2.2) is used simultaneously to volatilize carbon tetrachloride from the produced groundwater and to irrigate property (athletic fields) owned by the Elmwood-Murdock Public School system.

Well GWEX-1 is operated seasonally, subject to local weather conditions and the irrigation needs of the school system. Routine operation of the well and spray unit is performed by representatives of the school system, under Argonne supervision.

2.2 Phytoremediation and Buffer Plantation Area

Selected vegetation types planted in the headwaters area of the tributary creek decrease carbon tetrachloride concentrations in the relatively shallow groundwater and surface waters via phytoremediation processes. Some 2,000 trees representing six species (Niobe willow, black willow, eastern cottonwood, hybrid poplar, green ash, and northern catalpa) cover an area of approximately 4.5 acres (Figure 2.1). Removal of the carbon tetrachloride occurs as a result of (1) uptake, transpiration, and volatilization of the contaminated groundwater by the trees; (2) degradation of the carbon tetrachloride within the plant tissues; and (3) enhanced microbial activity in the root zone created by the plantings. At locations where the static groundwater level is typically more than 4-5 ft below ground level (BGL) — in the “deep” planting zone (Figure 2.1) — a special technique was used to plant the trees in 24-in.-diameter boreholes lined

with plastic sleeves. This TreeWell® technique (http://www.treemediation.com/) limits the availability of shallow soil water and direct precipitation to the trees, and hence it promotes vertical root growth and uptake of the deeper contaminated groundwater. In the remaining "surface" planting zone (Figure 2.1), the trees were installed without borehole liners to give the roots access to contaminated groundwater typically encountered at depths of less than 4 ft BGL.

Additional vegetation, including a mixture of native prairie grasses, wildflowers, and other species (Table 2.1), was planted between the trees and in the adjacent areas (Figure 2.1). These cover plantings (1) enhance erosion control, (2) intercept local precipitation and runoff and hence promote the uptake of deeper contaminated groundwater by the trees, (3) help protect the trees from physical damage, (4) provide a transitional buffer zone between the tree planting areas and the surrounding croplands, and (5) create a barrier to herbicide drift.

2.3 Constructed Wetlands Area

Shallow wetlands constructed downstream from the main planting area provide an additional phytoremediation "polishing" stage for the water discharged to the tributary creek (Figure 2.1). In the wetlands, surface water flow is directed through a sequence of shallow ponds of various depths before it returns to the natural tributary creek channel via an adjustable water control structure. By increasing the residence time and surface exposure area of the flow entering the downstream portion of the tributary, the wetlands promote further carbon tetrachloride evaporation and degradation by water-loving plants and associated microbes.

2.4 Monitoring Well Network

A suite of 19 permanent monitoring wells established at the Murdock restoration site facilitates sampling of the groundwater for volatile organic compounds (VOCs) analyses and for the measurement of selected geochemical parameters indicative of possible contaminant degradation within the aquifer (Figure 2.3; see also Section 4.3.3.2). At each location, wells have been installed either individually or as clusters screened to permit sampling from multiple vertical intervals through the saturated zone. Construction information for these wells is in the *Monitoring Plan* (Appendix A in Argonne 2006).

Groundwater levels are measured automatically and continuously, at 4-hr intervals, for wells in both the phytoremediation and upgradient areas. The measurements are made by downhole pressure transducers and data loggers installed at 16 locations along the contaminant migration pathway. These locations are highlighted in Figure 2.3.

TABLE 2.1 Plantings in the Murdock phytoremediation and wetlands areas.

Common Name	Scientific Name
Buffer, Upland, and Tree Area Seeding	
Big Bluestem	*Andropogon gerardii*
Indiangrass	*Sorghastrum nutans*
Switchgrass	*Panicum virgatum*
Little Bluestem	*Schizachyrium scoparium*
Sideoats Grama	*Bouteloua curtipendula*
Western Wheatgrass	*Agropyron smithii*
Virginia Wildrye	*Elymus virginicus*
Blue Grama	*Bouteloua gracilis*
Buffalograss	*Buchloe dactyloides*
Canada Wildrye	*Elymus Canadensis*
Hard Fescue	*Festuca longifolia*
Sheep Fescue	*Festuca ovina*
Annual Ryegrass	*Lolium multiflorum*
Baby's Breath	*Gypsophila elegans*
Blackeyed Susan	*Rudbeckia hirta*
Blanket Flower	*Gaillardia aristata*
Blue Flax	*Linum lewisii*
California Poppy	*Eschscholzia californica*
Clarkia	*Clarkia amoena*
Clasping Coneflower	*Rudbeckia amplexicaulis*
Cornflower	*Centaurea cyanus*
Corn Poppy	*Papaver rhoeas*
Dwarf Red Coreopsis	*Coreopsis tintoria, red*
Illinois Bundleflower	*Desmanthus illinoensis*
Indian Blanket	*Gaillardia pulchella*
Lance Leaved Coreopsis	*Coreopsis lanceolata*
Lead Plant	*Amorpha canescens*
Lemon Mint	*Monarda citriodora*
Mexican Red Hat Coneflower	*Ratibida columnifera, red*
Missouri Primrose	*Oenothera missouriensis*
Partridgepea	*Cassia chamaecrista*
Purple Prairieclover	*Petalostemum or Dalea purpurea*
Plains Coreopsis	*Coreopsis tinctoria*
Perennial Lupine	*Lupinus perennis*
Purple Coneflower	*Echinacea purpurea*
Rosy Red Yarrow	*Achillea millefolium, rubra*
Shasta Daisy	*Chrysanthemum maximum*
Upright Coneflower	*Ratibida columnifera*
Catchfly	*Silene ameria*
Drummond Phlox	*Phlox drummondii*
Siberian Wallflower	*Cheiranthus allioni*
Scarlet Flax	*Linum grandiflorum rubrum*
Alfalfa	*Medicago sativa*
Red Clover	*Trifolium pratense*

Common Name	Scientific Name
Wetlands Seeding	
Alumroot	*Heuchera richardsonii*
Aster, New England	*Aster novae-angliae*
Aster, Silky	*Aster sericeus*
Aster, Swamp	*Aster puniceus*
Blackeyed Susan, Sweet	*Rudbeckia subtromentosa*
Blue Flag Iris	*Iris veriscolor*
Blue Vervain	*Verbena hastate*
Boneset	*Eupatorium perfoliatum*
Bottle Gentian	*Gentiana andrewsii*
Cardinal Flower	*Lobelia cardinalis*
Coreopsis, Tall	*Coreopsis tripteris*
Duck Potato	*Sagittaria latifolia*
False Dragonhead	*Physostegia virginiana*
Fowl Mannagrass	*Glyceria striata*
Great Blue Lobelia	*Lobelia siphiltica*
Great Angelica	*Angelica atropurpurea*
Joe Pye Weed	*Eupatorium maculatum*
Marsh Betony	*Stachys palustris*
Marsh Blazing Star	*Liatris spicata*
Marsh Milkweed	*Ascelpias incarnata*
Nodding Bur Marigold	*Bidens cernua*
Primrose, Showy Evening	*Oenothera speciosa*
Sneezeweed	*Helenium autumnale*
Blue Joint Grass	*Calamagrostis canadensis*
Bulrush, Hardstem	*Scirpus acutus*
Bulrush, Dark Green	*Scirpus atrovirens*
Bulrush, Softstem	*Scirpus validus*
Bur Reed	*Sparganium eurycarpum*
Rush, Inland	*Juncus interior*
Rush, Creeping Spike	*Eleocharis palustris*
Rush, Spike	*Eleocharis calva*
Rush, Soft	*Juncus effuses*
Sedge, Bebb's	*Carex bebbii*
Sedge, Bristly	*Carex comosa*
Sedge, Long Beaked	*Carex sprengelii*
Sedge, Porcupine	*Carex hystericina*
Sedge, Three Way	*Dulichium arundinaceum*
Sedge, Tussock	*Carex stricta*
Woolgrass	*Scirpus cyperinus*
Wetlands Transplanting	
Broadleaf Arrowhead	*Sagittaria latifolia*
Bulrush, Green	*Scirpus atrovirens*
Bulrush, Hardstem	*Scirpus acutus*
Bulrush, River	*Scirpus fluviatilis*
Bulrush, Softstem	*Scirpus validus*
Flatstem Spikerush	*Eleocharis compressa*

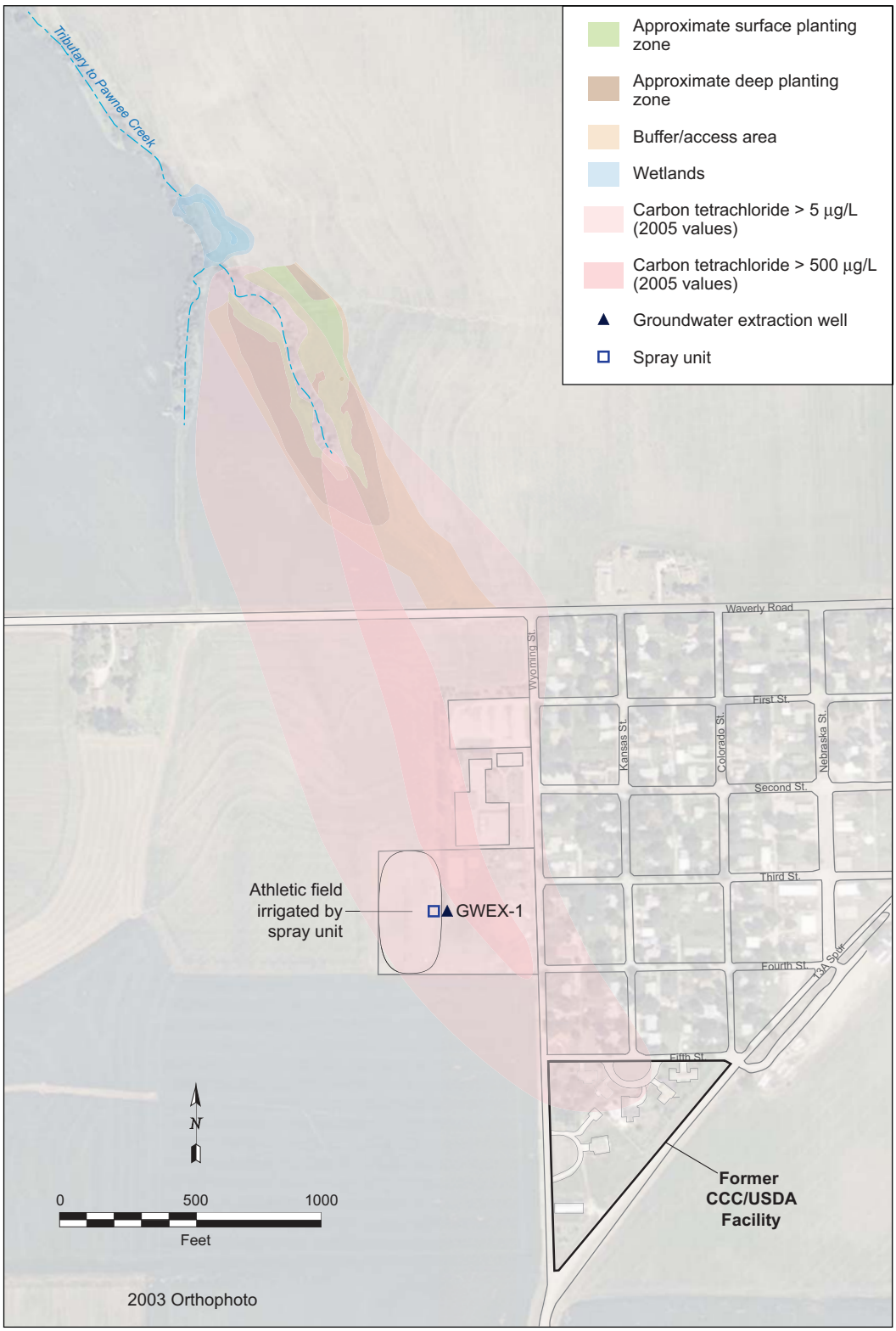


FIGURE 2.1 Locations of the GWEX-1 well, the spray irrigation treatment area, the shallow and deep phytoremediation planting areas, the constructed wetlands, the former CCC/USDA grain storage facility, and the carbon tetrachloride plume in groundwater. Source of photograph: NAIP (2003).

FIGURE 2.2 Specially designed mobile spray treatment unit on the athletic field at Murdock.

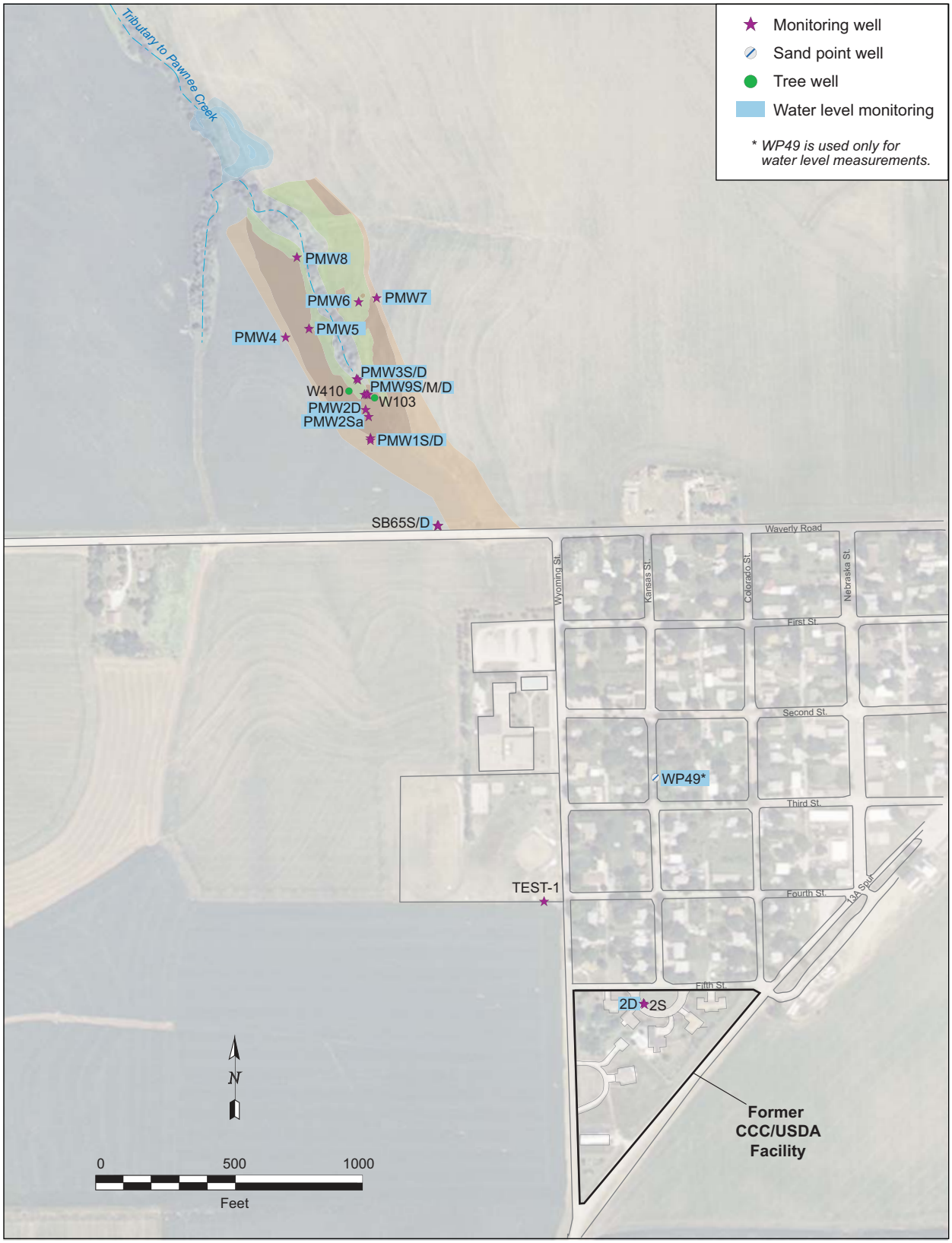


FIGURE 2.3 Distribution of the 19 monitoring wells used for twice yearly groundwater sampling and the 16 wells used for water level monitoring. Source of photograph: NAIP (2003).

3 Overview of System Operations and Site Activities

This section briefly summarizes the operations and related activities at the Murdock restoration site during the review period.

3.1 Well GWEX-1 and the Spray Irrigation Treatment Unit

Well GWEX-1 was installed on August 2, 2004. Pilot testing was carried out in October 2004 to determine the well's sustainable production capacity and to demonstrate the viability of the spray irrigation treatment technology at this site (Argonne 2006). With the approval of the EPA, the use of GWEX-1 and the spray irrigation treatment unit as one component of the removal action at Murdock began in 2005.

The extraction well and treatment unit were not operated during the current review period, at the specific request of the Elmwood-Murdock Public School administration, as a consequence of frequent heavy rainfalls and resulting persistent wet surface conditions at Murdock throughout much of the spring and summer. These conditions, coupled with the need for daily use of the school property for athletic and other school activities during the later summer and fall, precluded the use of GWEX-1 and the spray treatment unit throughout the potential 2008 irrigation season.

During the normal seasonal operation of GWEX-1, samples of the untreated groundwater and the treated effluent from the spray irrigation unit are collected quarterly for VOCs analyses (Argonne 2006). Because GWEX-1 and the spray treatment unit did not operate in 2008, no monitoring events occurred, or were required, during the present review period. The results of previous (2005-2007) monitoring activities conducted at GWEX-1 and the spray treatment unit are briefly summarized in Section 4.2.

3.2 Phytoremediation and Buffer Areas

Trees were planted in the main phytoremediation area in April and May 2005. Results of preliminary sampling during baseline studies in the phytoremediation area in July 2005 indicated that the plantings had already begun taking up carbon tetrachloride from the contaminated groundwater and surface waters at that time. Monitoring of vegetation in the phytoremediation

planting area in accord with the EPA-approved *Monitoring Plan* (Argonne 2006) began in August 2005. All required planting in the phytoremediation and buffer zone areas was completed in spring 2006.

Unusually high rainfalls throughout the late spring and much of the summer of 2007 raised groundwater levels at Murdock and increased surface runoff to the tributary creek. Shallow flooding of the land surface was consequently observed in the phytoremediation area throughout much of 2007. Locally pooled surface water as much as several inches deep, flowing groundwater seepage, and surface runoff were persistently noted, particularly in the western and central portions of the shallow planting area near the headwaters of the tributary creek and along both sides of the tributary creek in the more downstream portion of the shallow planting area. These conditions persisted throughout the current review period, because local groundwater levels remained high during the winter of 2007-2008, then rose farther in response to heavy rains in spring and early summer 2008.

As a result of the unusually wet conditions, the following specific activities were conducted to monitor and maintain the health of the plantings and the integrity of the visitor amenities in the phytoremediation area:

- To help control and enhance the patterns of surface drainage through the phytoremediation planting, the main channel leading into the phytoremediation area at the headwaters of the tributary creek was regraded and stabilized (with gravel), additional drainage conduits were installed at selected locations in the phytoremediation area, and the pedestrian walking path was redressed in several low portions of the headwaters area.

- The phytoremediation planting area was inspected frequently throughout the growing season for possible indicators of plant stress or other detrimental conditions associated with the wet surface environment. In March 2008, the conditions at the site were reviewed by Argonne personnel in consultation with a representative of the Nebraska state forester's office.

- Mowing, trimming, and weeding were conducted from late June through early October 2008 to control overabundant growth of the groundcover species in

the phytoremediation area and to facilitate access to the trees for vegetation sampling and monitoring.

- In 2007, temporary support was provided for a number of trees that had begun to lean unacceptably during the late spring and summer because of soft soil conditions that developed in several areas of persistent standing surface water. Inspection of the phytoremediation plantings throughout 2008 showed that additional cottonwood trees were leaning. Investigations beginning in June revealed that most of the affected trees were in waterlogged areas and that the root systems of these trees had decayed significantly because of their continued submersion. In addition, the soil surrounding these trees had lost its structural properties and was thus unable to support the tree weight. As a consequence of these factors, the trees were both sinking into the ground and leaning sideways. Selected trees (almost exclusively cottonwoods) in the areas of continued standing water were therefore removed. Several of the trees removed were dissected for study of internal structure and selective tissue sampling at various heights to determine the distribution of carbon tetrachloride in the tree. Entire trees, including leaves, were weighed to arrive at a biomass estimate that could be applied to the entire plantation with some confidence. In addition, a basal portion of the trunk was placed in dyed water to visually assess the extent of sapwood actively taking up water. Photographs of these activities are in Appendix A.

- The trees in areas with standing water ("wet areas") and in dry areas were counted in October to delineate the extent of the areas affected by the wet conditions and to determine additional effects on tree growth. The count showed 264 tree pairs in wet areas and 740 tree pairs in dry areas (Figure 3.1). The results are discussed further in Section 4.3.2.3.

- As in 2007, some trees were affected by fungi in 2008, partly as a result of the prolonged wet conditions at the site and the possible restriction of local air flow by the dense canopy, particularly in the shallow-groundwater areas planted with willows. Some thinning occurred after consultation with the Nebraska state forester, Richard Lodes, during his annual visit to the site.

Twice yearly vegetation sampling (for VOCs analyses) from a representative suite of trees in the phytoremediation area, on an approximate grid pattern, was recommended in the approved *Monitoring Plan* (Argonne 2006) to assess the seasonal uptake of groundwater and carbon tetrachloride by the plantings. Vegetation sampling was proposed (1) in early spring, before the onset of significant plant growth, and (2) in late summer or early fall, at the peak or near the end of the growth cycle.

Vegetation sampling was conducted during the current review period as follows:

- March 28, 2008 — partial sampling for a subset of the grid locations identified in the *Monitoring Plan* (Argonne 2006) and selected preexisting native and background trees, to determine contaminant levels while the trees were dormant.

- June 23, 2008 — harvesting of one tree for root system inspection, total tree carbon tetrachloride analysis, and a biomass metrics study (yield, size).

- July 21-23, 2008 — primary annual sampling for approximately the full grid pattern, as well as for background trees, to indicate contaminant uptake by the trees at the peak of the growing season. Whole-tree analysis for carbon tetrachloride in two additional cottonwood trees was conducted at this time.

- October 7-9, 2008 — supplemental sampling for VOCs analyses at selected locations in the far northeastern and the northwestern portions of the phytoremediation area (at tile drain outfalls), as well as at several other locations where carbon tetrachloride concentrations had been observed to be lower than in 2007.

Measurements of tree trunk diameter were made for all trees on October 7-9, 2008, at the onset of the dormant season. The purpose was to provide a basis for (1) stand-wide calculation of water consumption from sap flow data and (2) correlation of tree growth with planting method, response to groundwater and surface water levels, and the observed patterns of carbon tetrachloride uptake.

Total biomass yield data were collected for several cottonwoods to correlate total standing biomass with diameter measurements (allometric measurements). The purpose of calculating the standing biomass was to provide a basis for (1) future determination of carbon tetrachloride removal by the tree stand and (2) estimation of total nitrogen use by the phytoremediation stand.

Growth and nitrogen analysis data are discussed in Section 4.3.2.3.

The herbaceous groundcover stand in the phytoremediation area was sampled during the July event to determine whether the deep-rooted grasses growing in this area are taking up contaminants and thus are rooting sufficiently deeply to draw water from the contaminant plume. The results of these analyses are discussed in Section 4.3.2.1.

Thermal dissipation probes were installed from July 23 to August 27, 2008, for direct measurement of water use by 18 trees clustered in the southwestern corner of the tree planting area (Figure 3.2). Instrumented trees included cottonwoods and willows of comparable size, as well as one green ash. Thermal dissipation probes are two-pronged, small-diameter probes that are inserted into the tree trunk at a standardized height, to record the sap flux (in milliliters per second) as the velocity of heat dissipation from a heated probe compared to the baseline temperature sensor. Probes are connected to a continuous data logger, and the system is powered by a solar panel charging a marine battery. By indexing the sap flux to the area of active sapwood of the instrumented tree, a measure of sap flow (in liters per day) is obtained. Figure 3.3 shows a thermal dissipation probe installed in a cottonwood tree. The results of the sap flow analyses are discussed in Section 4.3.1.2.

On October 9, a field trip organized by the Great Plains Society of American Foresters brought 24 visitors to observe the phytoremediation plantings. The forestry society chapter, which includes members from Nebraska and Kansas, was holding its annual meeting in Lincoln. A representative of the chapter wrote, “I wanted to thank you for the excellent presentation. I received a lot of comments that it was extremely interesting.”

A final activity in the phytoremediation area in 2008 concerned the trail signs along the pedestrian path. Some of the signs were observed to have faded noticeably since their installation (Figure 3.4). The vendor agreed to replace the signs at no cost. The replacements are being stored for the winter before installation in spring 2009.

3.3 Constructed Wetlands Area

Construction of the wetlands treatment area started in the summer of 2005 and was substantially completed in the spring of 2006. In late spring and early summer of 2006, additional work was completed to control unexpected surface erosion observed initially along the southern margin of the wetlands. The following corrective measures were implemented:

- Removal of excess sediment from the southern wetlands basin
- Regrading of the southern wetlands margin
- Seeding of additional groundcover
- Planting of wetlands species (rushes and sedges) to promote development and stabilization of the wetlands environment

Localized surface channeling was observed near the southwestern margin of the wetlands during early spring of 2007, as a result of runoff associated with heavy spring rains. Little further impact was observed in this area in 2007, however, after seasonal groundcover and crop growth began, respectively, along the wetlands margins and in the agricultural fields west of the wetlands. In 2008, minor regrading was performed adjacent to the walking pathway in this area in conjunction with the replacement of several conduits with larger-diameter units beneath the pathway, for better control of the surface drainage into the wetlands from the west.

Under all but extreme flood conditions, discharge from the phytoremediation and wetlands areas is returned to the Pawnee Creek tributary channel via a water control structure (stop logs) installed at the downstream edge of the wetlands basin. With the approval of the CCC/USDA, a weir system was implemented at the control structure in April 2007 to facilitate quantitative monitoring of the rates and volumes of discharge from the wetlands (Argonne 2008). Flow rates through the weir system are calculated on the basis of certain fixed parameters determined by the construction of the weir, in conjunction with measurements of the flowing water levels observed upstream of the weir system. The water level measurements required for the flow calculations are obtained by using automatic water level recorders installed at two points upstream from the weir system. The results of the flow rate monitoring are discussed in Sections 4.1 and 4.3.1.

Proper functioning of the weir system requires a free fall of water from the weir outlet. In spring 2008, the "'standing" water level in the stream channel immediately downstream of the water control structure rose to the approximate height of the weir outfall, as a result of vegetation growth and natural obstructions (tree limbs, etc.) that had accumulated in the downstream portion of the channel after frequent spring rains. To correct this problem, the channel downstream of the weir was cleared and regraded in May of 2008.

To investigate for evidence of possible contaminant uptake by the developing plant community in the Murdock wetlands, vegetation samples for VOCs analyses were collected during the summer growth period at 20 locations and from 9 plant types (bulrush, cattail, arrowhead, lemna, switchgrass, knotweed, reed canary grass, and adventitious willow and cottonwood saplings) in the water and at the water's edge along the perimeter of the wetlands. The wetlands sampling was performed in conjunction with the vegetation sampling in the phytoremediation area on July 21-23, 2008. The results of the wetlands vegetation sampling are discussed in Section 4.4.

3.4 Monitoring Well Sampling

Groundwater samples are collected twice annually from the full suite of 19 permanent monitoring wells shown in Figure 2.3, for VOCs analyses and the determination of selected inorganic geochemical parameters including total nitrogen (Argonne 2006). During the current review period, the monitoring wells were sampled on May 8-13 and July 21-23, 2008.

Samples of shallow subsurface water are also collected for VOCs analyses and geochemical parameter determinations from the vent tubes installed in the borehole liners at two deep tree planting locations (W103 and W410) in the phytoremediation area. Sampling at these locations during the current review period occurred on May 13 and July 26, 2008.

The analytical results for the subsurface water samples are presented in Section 4.3.3.

3.5 Monitoring of Surface Waters

Surface water samples for VOCs analyses are collected quarterly (Argonne 2006) along the tributary creek at three locations (Figure 3.5). One location (SWM1) is near the upgradient

margin of the phytoremediation area, the second (SWM2) is at the upgradient margin of the wetlands area, and the third (SWM3) is directly downgradient from the outfall from the wetlands area. Surface water was sampled at the designated locations on February 13, May 5, July 21, and November 17, 2008. The results of the analyses are in Section 4.5.

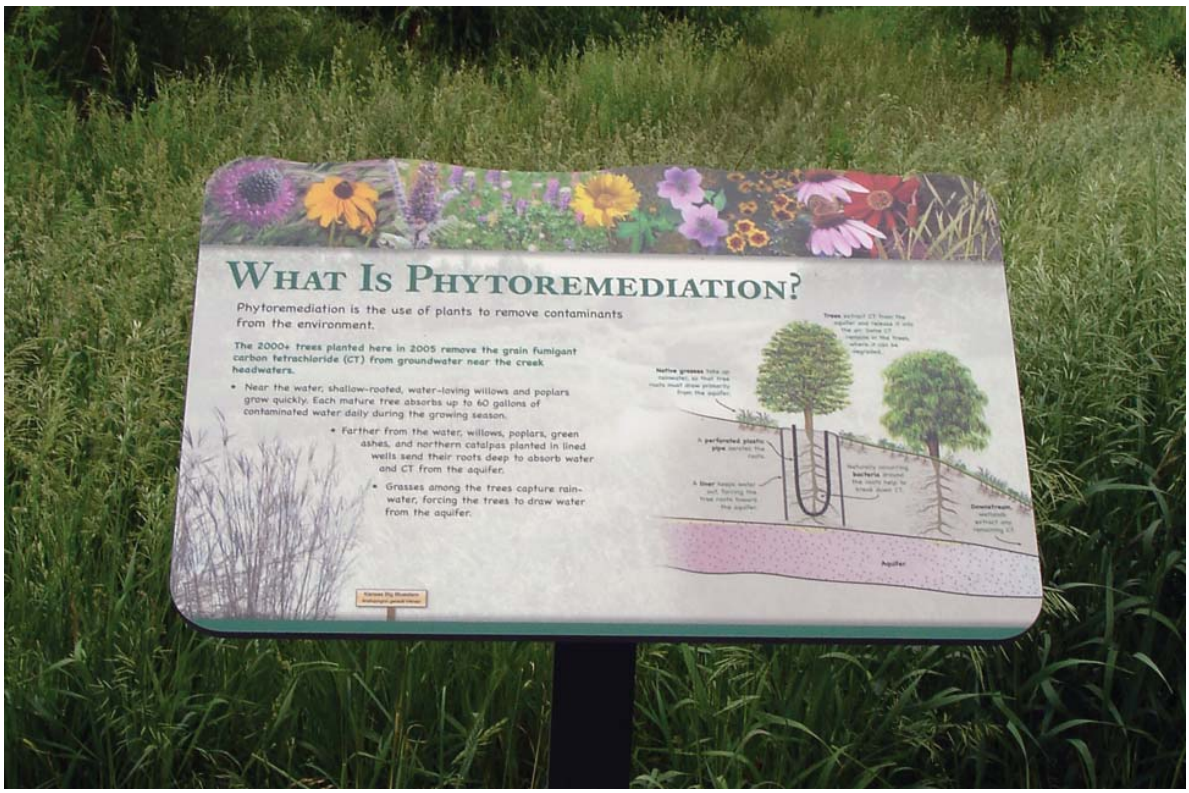
3.6 Monitoring of Ambient Air

Ambient air samples for VOCs analyses are collected twice annually (Argonne 2006) at three locations (Figure 3.6). Two locations (AA1, AA2) are in the phytoremediation area, and one (AA3) is in the wetlands area. Sampling at these locations occurred on May 13-15 and July 22-24, 2008. In each of these events, a comparison sample of "background" air was collected at location BA1, to the southwest and upgradient/upstream from the tributary creek headwaters area. The analytical results for these events are discussed in Section 4.6.

FIGURE 3.1 Tree counts in the waterlogged and dry areas of the phytoremediation plantings.

FIGURE 3.2 Thermal dissipation probe (sap flow meter) array in the southeast corner of the tree planting area.

FIGURE 3.3 A thermal dissipation probe (sap flow meter) installed in a cottonwood tree.



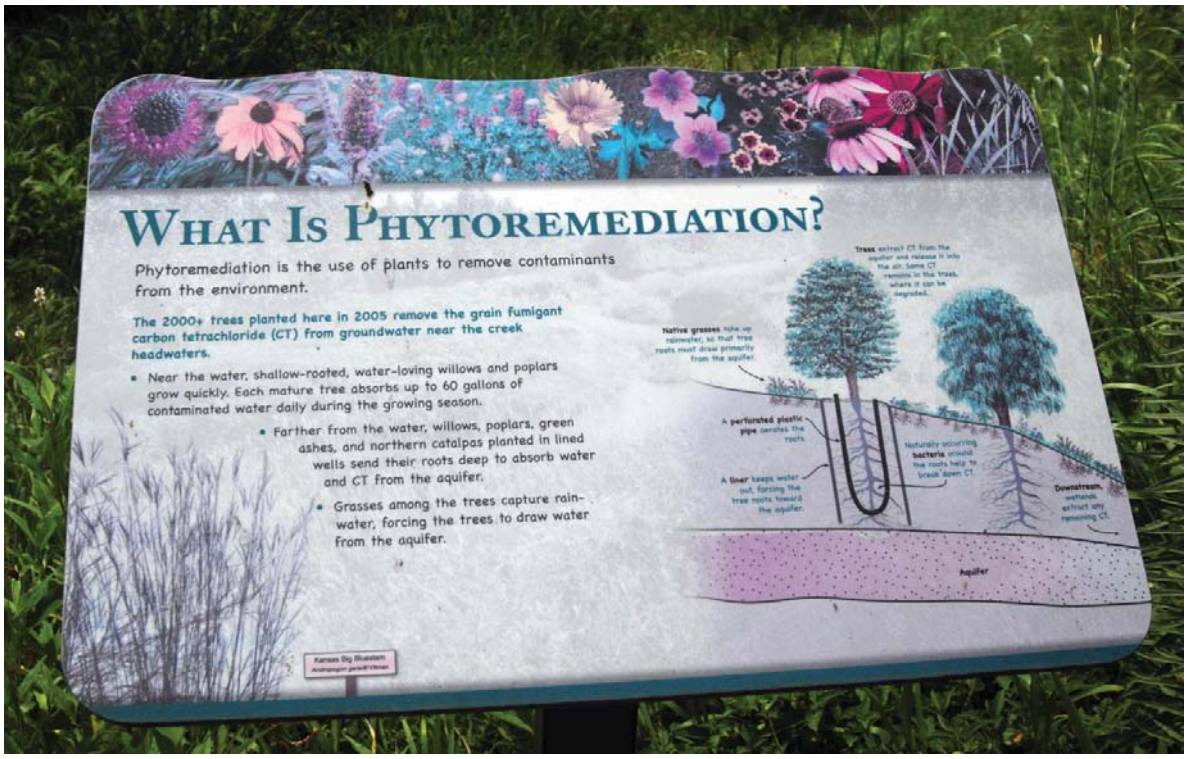


FIGURE 3.4 "What Is Phytoremediation" sign, newly installed in 2006 (top) and faded in August 2008 (bottom).

FIGURE 3.5 Surface water sampling locations. Source of photograph: NAIP (2003).

FIGURE 3.6 Ambient air sampling locations. Source of photograph: NAIP (2003).

4 Results of Groundwater, Surface Water, Vegetation, and Atmospheric Monitoring

4.1 Climatic and Hydrologic Factors Affecting the Murdock Site in 2008

During the 2007 and current (2008) review periods, the Murdock site experienced significantly wetter conditions than in several previous years. The impacts of these wet conditions on the performance of the individual treatment system elements at Murdock are addressed below.

Climate data indicate that from 1999 until 2006, southeastern Nebraska, including the Murdock area, was under designated drought conditions. Except in 2001, annual rainfalls in the Lincoln, Nebraska, area in 1999-2006 were consistently below the long-term average of 28.37 in./yr for 1976-2005. At the end of 2006, a total deficit of approximately 19.3 in. of precipitation was reported for the Lincoln area, with approximately 3.7 in. of the shortfall occurring in 2006 (UNL 2009).

Automated monitoring of on-site weather conditions at Murdock began in mid 2005, in conjunction with the aquifer and surface water restoration program. Data recorded at the headwaters area of the tributary creek indicated a total rainfall of 26.4 in. for Murdock in 2006, roughly 2 in. below the Lincoln annual average. In response to this sparse precipitation, groundwater levels in both the upgradient portion of the Murdock groundwater plume and the more downgradient phytoremediation treatment area declined slowly from fall 2005 to spring 2006, then remained fairly stable or declined very slowly through the end of 2006.

In 2007, the Murdock on-site weather station recorded 35.8 in. of rainfall, in close agreement with the total reported for the greater Lincoln area (35.4 in.; UNL 2009). The observed total was approximately 25% greater than the 30-yr annual average for this area (28.51 in. for 1977-2006).

In 2008, the on-site weather station recorded an apparent total rainfall of only 21.8 in.; however, these data are incomplete. Although the available data suggest that most rainfall events at the site were detected, interference with the rainfall sensor caused by encroachment of the surrounding trees at the station's original location near the headwaters of the tributary creek caused rainfall values recorded during the spring and early summer to be lower than the actual

amounts. The weather station was subsequently moved to a more open location immediately south of the wetlands (Figure 4.1); however, a number of rainfall events were not recorded during the relocation period. The rainfall total of 34.9 in. (6.4 in. above the long-term average) reported for the Lincoln area in 2008 (UNL 2009) is comparable to the rainfall observed at Murdock in 2007 and is believed to be more representative of the total rainfall at the Murdock site than the amounts measured at the site in 2008. Approximately 25% of the total rainfall for the current review period fell in June 2008, while in 2007 unusually heavy rains occurred in both May and August (Figure 4.2).

Groundwater levels are recorded automatically at 16 locations at Murdock (Figure 2.3) to monitor the patterns of water level variations along the contaminant migration pathway, as well as within the phytoremediation treatment zone, that might influence the fate and transport of carbon tetrachloride. Complete data recovered from the water level recorders are in Supplement 1 (on the compact disc [CD] inside the back cover of this report); these data for 2007-2008 are summarized in Figure 4.3 and Figure 4.4 for upgradient wells and wells near the headwaters of the tributary creek, respectively. The method used to calculate the discharge rates in Table S1.5 (Supplement 1) was described previously (Argonne 2008).

Figure 4.3 shows that the groundwater levels at monitoring locations upgradient of the phytoremediation area (wells D2, WP49, and SB65D; Figure 2.3) rose by approximately 10-12 ft in 2007 and then declined slowly and by only 4-5 ft during the fall and winter, because of frequent rains during the later part of 2007. In 2008, the groundwater levels at these locations again rose by 10-12 ft, peaking in July, but decreased more rapidly in the late summer and fall because of generally drier conditions. Throughout 2008, however, the groundwater levels at any given time were higher than the corresponding levels in 2007. A net increase in groundwater elevations of approximately 2 ft was observed at these locations from January 1 to December 31, 2008.

Groundwater levels in the headwaters area of the tributary creek (monitoring well locations PMW1-PMW3 and PMW9; Figure 4.4) showed a pattern of seasonal rise and fall similar to that observed in the upgradient wells, with increases of 2-5 ft in the spring and early summer followed by declines in the late summer and fall. At the end of 2008, groundwater levels in the headwaters area were higher by approximately 0.5-1 ft than at the beginning of the year. The groundwater level recorders originally installed at monitoring locations PMW3S and

PMW3D (Figure 2.3) were removed in 2007 to prevent damage due to artesian flow that began in these wells in spring 2007. Artesian flow continued at these locations throughout 2008.

The downgradient monitoring wells in the phytoremediation area (PMW4-PMW8; Figure 2.3) showed the smallest absolute responses, in both 2007 and 2008, because of the probable controlling influence at these locations of groundwater seepage to the tributary creek (Figure 4.5). The greatest increases (approximately 3 ft) during the current review period were observed at the outermost flanking wells (PMW4, PMW7), as well as at PMW5 on the west side of the creek. The groundwater at location PMW6 rose to the approximate land surface elevation in early 2007; the ground surface in this area has remained locally saturated since that time.

Results of quantitative monitoring indicate that the total surface water flow from the phytoremediation and wetlands treatment areas during summer and fall 2008 (June-November; approximately 28.8 million gallons, excluding very brief storm flows) was almost twice the discharge for the corresponding period in 2007 (approximately 15.0 million gallons). To some degree this increase in discharge might reflect differences in the timing of the precipitation in 2007 and 2008; however, the observations suggest that a greater fraction of the available moisture in 2007 might have replenished subsurface storage that had been depleted in the previous drought years. In 2007 and 2008 the initial spring increases in groundwater levels were comparable, but the higher levels observed throughout 2008 appear to have contributed to combined groundwater seepage and runoff rates that were also significantly higher.

Because of the timing of the 2008 rains (Figure 4.2), much of the soybean crop in the cultivated fields west of the phytoremediation and wetlands areas failed or grew very poorly in 2008. This crop failure might have decreased the local demand for surface and shallow groundwater in these fields relative to 2007 and hence also contributed to increased groundwater and surface water flow into the phytoremediation and wetlands treatment areas in 2008. This hypothesis is supported by an approximately twofold increase in the combined metered discharges from tile drains TD3 and TD4 (which drain the western agricultural fields) in June-November 2008, relative to the corresponding period in 2007 (6.4 million gallons versus 3.0 million gallons, respectively). A similar increase was not observed in the flows for the tile drains (TD1 and TD5) that drain the fields east of the phytoremediation area, which were planted in corn in 2008.

4.2 Results for GWEX-1 and Compliance Monitoring of the Spray Irrigation Treatment Unit

The treated effluent from extraction well GWEX-1 and the spray treatment unit is used for irrigation of the Elmwood-Murdock Public School system's athletic fields when local weather conditions permit effective operation of the spray-irrigation treatment technology (generally, mid spring to late fall). Per agreement with the school system, the well and treatment system are operated in consultation with the local school personnel, subject to the identified watering needs for these fields. Frequent heavy rains and persistent wet surface conditions at Murdock prevented the operation of GWEX-1 and the treatment unit throughout the spring and much of the summer of 2008. At the request of the school administration, these systems were subsequently not operated for the remainder of 2008 to facilitate use of the athletic fields for scheduled school and community sports activities throughout the late summer and fall. Consequently, no groundwater was extracted by GWEX-1 or treated and discharged during the present review period.

Unusually wet conditions also affected the operation of GWEX-1 and the spray irrigation treatment unit during 2007 (Argonne 2008). In 2007, sporadic operation of GWEX-1 and the spray treatment system was possible only from early July until September 12; a total of 141,867 gal of groundwater was extracted, treated, and discharged to the surface during that year. In comparison, approximately 627,400 gal of groundwater was treated and discharged during the 2005 operating period, along with 400,800 gal during the 2006 operating period.

The spray irrigation treatment unit and well GWEX-1 are operated in accord with a statement of discharge requirements (National Pollutant Discharge Elimination System Tracking No. NE0137464) issued by the Nebraska Department of Environmental Quality (NDEQ) (Appendix B in Argonne 2006). In keeping with the NDEQ requirements, samples of the treated effluent are collected quarterly, when the systems are in operation, and analyzed for carbon tetrachloride, chloroform, and pH levels. The NDEQ statement of discharge requirements places no restrictions on the quality of the groundwater supplied to the spray irrigation unit before treatment occurs, and it does not require analysis of the untreated flow. Nevertheless, well GWEX-1 is sampled for VOCs analyses to document the concentrations of carbon tetrachloride in the groundwater captured by the well.

Because GWEX-1 and the spray treatment unit were not operated in 2008, no monitoring events were required or performed during the present review period. Analytical results for the

untreated groundwater from GWEX-1 for all previous (2005-2007) sampling events are in Table 4.1.

The concentrations of carbon tetrachloride in two samples of the untreated groundwater from GWEX-1 collected (in a single sampling event) in 2007 were 285 µg/L and 336 µg/L. These results indicate an apparent increase in 2007 relative to concentrations in 2005 and 2006. The observed concentrations in the untreated groundwater indicate that GWEX-1 was effectively capturing relatively high contaminant concentrations in the plume before they reached the phytoremediation and wetlands treatment areas. Low levels of chloroform (2.3–4.5 µg/L) were also detected in the untreated groundwater during the previous sampling events.

The outfall from the spray irrigation treatment unit is identified by the NDEQ as a land application; no specific targets for the removal of carbon tetrachloride (or chloroform) have therefore been established. The NDEQ requirements qualitatively note, however, that the discharge may not be toxic to aquatic life in surface waters of the state outside the mixing zones allowed under NDEQ Title 177 – *Nebraska Surface Water Quality Standard*. This standard defines a maximum acceptable level of 44.2 µg/L for carbon tetrachloride in surface water bodies. The NDEQ requirements further identify an acceptable pH range of 6.0-9.0 for the treated groundwater. These targets were accepted by the EPA (2005) in conjunction with the Murdock *Monitoring Plan* (Argonne 2006).

Samples of treated groundwater discharged by the irrigation treatment unit are collected from multiple locations throughout the spray cloud during each sampling event. Spray accumulation rates at each collection point may differ for each event, depending on the local wind and site conditions at the time of sample collection. A minimum of four individual spray samples are analyzed, however, for each event, to account for the potential variability.

Because GWEX-1 and the spray treatment unit were not operated in 2008, no spray samples were required or collected during the present review period. Carbon tetrachloride concentrations detected in individual samples of the spray discharge for all previous (2005-2007) sampling events are in Table 4.2. *The results indicate that the levels of carbon tetrachloride in the spray outfall to date have been far below the acceptable limit established by the EPA and the NDEQ*. Chloroform and methylene chloride were not detected in any of the spray samples analyzed.

The maximum and minimum pH levels detected in samples of the treated spray discharge for the 2005-2007 sampling events are in Table 4.3. The observed levels ranged from 6.54 to 7.88, and thus they complied with the pH requirements (6.0-9.0) specified by the NDEQ.

4.3 Results for the Phytoremediation Area

Carbon tetrachloride removal in the phytoremediation treatment area is expected to occur through the combined effects of

- Hydraulic "pumping" of the contaminated groundwater as a result of plant uptake,
- Transpiration and degradation of carbon tetrachloride within plant tissues, and
- Enhanced microbial degradation (reductive dechlorination) in the root zone created by the plants.

The results of the monitoring activities targeted to investigate these remedial processes (Argonne 2006, Section 3.1.2) are summarized below.

4.3.1 Evidence of Possible Hydraulic "Pumping" Effects

4.3.1.1 Evidence from Monitoring of Groundwater Levels and Creek Discharge

The overall patterns of variations in groundwater levels at Murdock during the current review period are discussed in Section 4.1. Figures 4.6 and 4.7 illustrate the small-scale oscillations apparent in the hydrographs — for all of the monitoring wells, completed at both shallow and deeper depths in the phytoremediation area — from early May to mid October 2008. *The observed patterns strongly suggest that the fluctuations are associated with the diurnal cycle of groundwater uptake by the phytoremediation plantings (and other nearby vegetation) during the annual growing season*. The diurnal oscillations reached an apparent maximum amplitude (up to approximately 0.6 ft at PMW8) in July and August, suggesting that the use of groundwater by the phytoremediation and native plantings was greatest at this time. The magnitude of the

oscillations recorded at most of the monitored locations showed little or no increase in 2008 relative to 2007 observations and decreased at one location (PMW9S).

Estimated flow rates for water discharged from the wetlands outfall in May to mid October 2008, obtained from monitoring data for the V-notch weir, are shown in Figure 4.8. (The full data set is in Supplement 1, Table S1.5.) The results suggest that water flow rates from the wetlands generally declined during the above period, with maximum flow rates of 110-150 gpm (except for storm responses) occurring daily at 9:00-12:00 and minimum rates of 70-120 gpm at 18:00-21:00. The indicated rate variations correspond closely to the inferred diurnal fluctuations observed in groundwater levels in the phytoremediation area. This observed correlation strongly suggests that the evapotranspiration "pumping" action of the phytoremediation plantings, native plants, and nearby crops (in conjunction with possible direct evaporation processes) reduced the water flow reaching (and hence exiting) the wetlands by as much as 30-40 gpm (or 15-20 gpm averaged over a 24-hr period) at the peak of each daily water use cycle.

In 2008, the estimated maximum effect of the inferred diurnal evapotranspiration "pumping" processes in the phytoremediation, wetlands, and surrounding crop areas (a transient maximum reduction in flow rates of 30-40 gpm) reflected an approximate 27% decrease in the surface discharge to the tributary creek. In 2007 the estimated diurnal effect of the evapotranspiration "pumping" was smaller in magnitude (approximately 15-20 gpm at maximum); however, the *relative impact* on the observed surface flow rates in 2007 was greater, representing a 33-43% decrease. In conjunction with the observations outlined in Section 4.1, the available data suggest that although *the combined water demands of the phytoremediation plantings, farm crops, and natural vegetation at Murdock increased during the current review period*, these demands did not keep pace with the greater quantities of groundwater, surface seepage, and runoff available to the plant communities during the current review period.

4.3.1.2 Evidence from Monitoring of Tree Sap Flow Rates

Measurement of sap flow in 18 trees for approximately one month at the peak of the transpiration season (July-August) yielded direct measurements of water use by the trees in the phytoremediation planting. The results are summarized in Table 4.4. The complete data set is in Supplement 2 (on CD). Sap flux data (in milliliters of sap per centimeter-hour) were obtained from thermal dissipation probes installed in the trees. These values were multiplied by the

surface area of the active sapwood per tree, and hence for the tree stand, to obtain estimates of total daily tree water use. The active sapwood area was determined by allowing a freshly cut tree log to imbibe an aqueous solution of nontoxic dye and observing the presence of dye at the opposite end of the log. This test confirmed that at this growth stage the entire trunk diameter of a cottonwood (minus the bark) was actively taking up water. The results are illustrated by the blue stain in the axial section of the tree trunk in Figure 4.9. Whereas the 2008 evaluation focused primarily on cottonwoods, the 2009 evaluation will focus on willows.

Sap flow data show that, because of their faster sap flux rate, larger diameter, and higher total number at the site, *willows were the predominant water users among the different tree species*. Niobe willows accounted for approximately 84% of the total estimated water uptake by the tree stand. Cottonwoods represented an additional 15% of the total uptake, while the remaining 1% was contributed by all of the other species combined. On a daily basis, total water usage by the tree stand during the study period was estimated to average 14,200 gal/d, with a two-standard-deviation range (5th to 95th percentile) of 8,200-20,200 gal/d. On a yearly basis, for an assumed growing season of 180 d with peak water use in June-September and 50% of peak flow in May and October, the average tree stand water use was calculated at 2.21 million gallons per year. The calculated average daily tree water "pumping rate'" (approximately 9.9 gpm) therefore empirically accounts for approximately 50-67% of the average daily (24-h) reduction in flow rate (15-20 gpm) observed at the wetlands outfall during the period of peak water use in July-August (Section 4.3.1.1).

Although indirect evidence provided by the presence of carbon tetrachloride in the tree tissue supports the hypothesis that at least a portion of the total water used by the tree stand is drawn from groundwater, the data obtained so far do not permit quantitative estimation of the relative percentage of water drawn from groundwater versus surface water sources. Also, the water removal totals for the phytoremediation trees do not reflect additional water use associated with both direct surface water evaporation and evapotranspiration from the herbaceous groundcover plants, native trees, and agricultural crops growing within the boundaries of the creek tributary hydrologic system, which might also affect the observed discharge rates at the wetlands outfall.

4.3.2 Evidence of Carbon Tetrachloride Uptake and Possible Degradation by the Phytoremediation Plantings

The presence and concentrations of volatile solvents in plant tissues have been shown to be related to the presence and concentrations of the contaminants in the water source(s) used to support plant growth. At Murdock, carbon tetrachloride has been identified in the subsurface groundwater, as well as in groundwater seeping from the contaminated aquifer to the surface waters of the tributary creek. At this site, vegetation sampling (primarily of branch and leaf tissues) for VOCs analyses is therefore employed in accord with the EPA-approved *Monitoring Plan* (Argonne 2006) as an indicator of groundwater use and contaminant uptake by the phytoremediation plantings.

A review of the VOCs data for vegetation samples collected at Murdock in 2005-2006 (Argonne 2007) showed that evidence for uptake of carbon tetrachloride by trees occurs far more reliably in branch tissues than in leaf tissues. Consequently, in both 2007 and 2008, leaf samples were collected only during the July sampling event, at a limited subset of locations (some near the air sampling locations). Leaf samples were not collected during the March and October sampling events, which occurred too early and too late in the growing season, respectively, for healthy leaves to be reliably present.

Complete results for the 2008 vegetation sampling and VOCs analyses are in Table B.1, Appendix B. Tree sampling locations in 2008 are shown in Figure B.1, Appendix B. The analytical results for carbon tetrachloride are discussed in Section 4.3.2.1. Results for chloroform are discussed in Section 4.3.2.2.

The results for carbon tetrachloride in branch samples collected during the major sampling events in 2005-2007 were illustrated in the summary report for performance in 2007 (Argonne 2008), as follows:

- July 2005, baseline sampling
- September 2005, end of first growing season
- January 2006, first winter sampling

- March-April 2006, first spring sampling
- August 2006, peak of second growing season
- April 2007, second spring sampling
- July 2007, peak of third growing season
- October 2007, end of third growing season

In the current document, the results for carbon tetrachloride in branch samples collected during the major sampling events in 2008 are illustrated as follows:

- Figure 4.10: March 2008, spring sampling
- Figure 4.11: July 2008, peak of fourth growing season
- Figure 4.12: October 2008, end of fourth growing season

Figure 4.13 compares the concentrations of carbon tetrachloride in tree branch samples collected in the July sampling events in 2007 and 2008.

Tree diameter measurements in 2008 are illustrated in Figure 4.14. Figure 4.15 shows sampling locations and concentrations of carbon tetrachloride in the herbaceous cover and wetlands plants.

4.3.2.1 Results of Vegetation Analyses for Carbon Tetrachloride

Previous results (Argonne 2007, 2008) showed that quantifiable levels of carbon tetrachloride in branch samples have been detected in increasing numbers of trees as the phytoremediation plantings have grown since spring 2005. Carbon tetrachloride concentrations in branch samples were lowest in the dormant seasons (winter, early spring), then increased and occurred over a wider area of the phytoremediation zone during successive summer growth

periods. Furthermore, measurable amounts of carbon tetrachloride were initially found in shallower plantings, then identified subsequently in deeper plantings as time progressed.

In 2008, the results of the sampling and analyses followed trends similar to those observed previously (Argonne 2007, 2008). The identified concentrations of carbon tetrachloride in branch tissues were lowest in March (Figure 4.10), when most samples had no detectable contamination. The 2008 monitoring, thus, further confirmed that *carbon tetrachloride uptake by vegetation in the phytoremediation area is seasonal*; the contaminant does not accumulate in plant tissues from year to year, but instead is eliminated fairly rapidly from the tissues when the annual growing season ends and the trees become dormant.

By the peak of the 2008 growing season (July 2008; Figure 4.11), the areal extent of the trees with measurable carbon tetrachloride encompassed almost the entire planting area, and measured concentrations ranged up to 2,396 µg/kg. In July 2008, carbon tetrachloride was detected in both shallow- and deep-planted trees, with an areal distribution similar to that observed in 2007. In July 2008, however, the *carbon tetrachloride levels identified were slightly lower than those in July 2007*. Figure 4.13 shows the results of geostatistical comparison of carbon tetrachloride concentrations in samples collected in 2007 and 2008. The lower observed concentrations in tree branch tissues in July 2008 (lighter color in the figure) might reflect the influence of one or more possible processes, including dilution of the near-surface groundwater, natural temporal fluctuations, enhanced (presumably anaerobic) microbial activity in the locally flooded portions of the phytoremediation area, reduced sap flow transport in flooded areas (where roots might have decayed), and preferential use by the trees of their more surficial roots in flooded areas. All of these processes might be qualitatively linked to the exceptional levels of precipitation that began at the Murdock site in 2007 and continued in 2008 (Section 4.1).

Twice during the summer of 2008 (June 23 and July 22), an entire cottonwood tree was harvested, and tissue samples were collected to estimate the spatial distribution of carbon tetrachloride and chloroform throughout the entire tree. The trees sampled (W417EC1 and W421EC2) were selected from those slated for removal because of leaning; they were also used to estimate total biomass (Section 4.3.2.3). The spatial distribution of the carbon tetrachloride detected in trunk core and branch samples from tree W417EC1 (harvested in July) is shown in Figure 4.16. The results for tree W421EC2 (harvested in June) showed similar trends. As previously reported in literature sources (Ma and Burken 2004), the identified concentrations of

carbon tetrachloride tended to decrease with height above the ground, as well as with distance from the tree trunk, probably because of diffusion from the sap tissue through the bark.

The lower concentrations of carbon tetrachloride detected for the lowest sampling locations above the ground from the base of the tree (Figure 4.16; cores and branches) deviated from the expected general trend. Sampling procedures could possibly have contributed to this result by permitting progressive losses to occur upward from the cut base of the (still transpiring) tree as it awaited sampling. For comparison, a carbon tetrachloride concentration approximately three times greater was obtained for a sample from this tree at a similar height above ground (91 cm compared to 84 cm and 87 cm) before the tree was harvested. The results suggest that a modification of the harvesting and sampling strategy used in 2008 might be required to minimize analyte losses from harvested trees.

Eleven leaf samples were collected during the July 2008 sampling event, some near the locations of the twice yearly air monitoring (Section 4.6). Contaminant levels in all leaf samples were low (below 1 μg/kg) or undetectable. These results confirm that leaf analyses are of little value in understanding VOCs uptake by trees. Leaf analyses may, however, be useful in future interpretation, in conjunction with air monitoring results, of possible VOCs concentration changes in ambient air.

Samples of the herbaceous groundcover were also analyzed during the July 2008 event, collected in the western portion of the phytoremediation tree stand (Figure 4.15). Most of the samples showed no detectable concentrations of carbon tetrachloride. The exceptions were as follows (Table B.1):

- One blanket flower sample (Grass-31) collected near tree W707 showed a carbon tetrachloride concentration of 43 μg/kg.

- Three grass samples (Grass-1, Grass-28, and Grass-33) collected near locations W118, SWM2, and W407, respectively, contained carbon tetrachloride at the relatively low level of 5 μg/kg.

4.3.2.2 Results of Vegetation Analyses for Chloroform

Reductive dechlorination of carbon tetrachloride will result in the generation of progressively more reduced degradation products, including chloroform and dichloromethane. The identification of elevated levels of these degradation products in association with carbon tetrachloride in groundwater or plant materials at Murdock might therefore provide empirical evidence for possible reductive dechlorination, on either the macroscale or the microscale, in the phytoremediation environment.

Concentrations of chloroform ranging up to 7 µg/kg were detected in branch tissue samples collected at locations throughout the phytoremediation area during the spring sampling event (March 2008; Table B.1). In July, chloroform detections occurred throughout the phytoremediation planting area, with levels ranging up to 68 µg/kg (at location W606). Background locations outside the planted area had non-detectable chloroform levels.

Samples of groundcover collected in the planting area and along the margins of the wetlands predominantly showed no detectable chloroform; a few samples contained low concentrations of chloroform (Table B.1), as follows:

- A wild rye sample collected at W118 (Grass-01) contained chloroform at 2 µg/kg.

- A switch grass sample collected between trees W505 and W606 (Grass-13) contained chloroform at 1 µg/kg .

- A sample of switch grass near W407 (Grass-33) contained chloroform at 7 µg/kg.

- A sample of blanket flower near W707 (Grass-31) contained chloroform at 6 µg/kg.

4.3.2.3 Tree Growth, Depth to Water, and Nitrogen Use

The patterns of carbon tetrachloride uptake outlined above are qualitatively consistent with measurements of tree growth (trunk diameter at breast height or DBH) recorded in the phytoremediation area in April 2007, November 2007, and October 2008. As in the previous reporting period, the current data (Figure 4.14) indicate that for cottonwoods, willows, and ashes *the most pronounced growth has occurred in the shallow planting zone*, where a relatively unlimited supply of water is readily available. This difference was found to be statistically significant (P = 0.05). Growth of northern catalpa was similar for deep- and shallow-planted locations; however, very few catalpas were planted at shallow locations. Anecdotally, catalpas appeared to benefit significantly from their association with cottonwoods for wind shielding. Niobe willows and cottonwoods growing in the *deeper* planting zone had diameters in fall 2008 that were comparable to or larger than those for the same species in the *shallow* planting zone in fall 2007. These observations indicate that *a developmental lag of approximately one growing season for the trees in the deep planting zone persisted in the fourth (2008) growth season.*

Overall, tree survival since the 2005 planting was approximately 93%. The highest relative losses were recorded for black willows and green ashes (two of the four species planted in smaller numbers). The black willows, particularly, did not always compete successfully with their nearest neighbors. Survival rates for the most represented trees were, respectively, 94% for eastern cottonwoods and 93% for Niobe willows. These survival rates are within typical ranges for large-scale plantings.

The slower tree growth observed in the deep planting areas upslope from the creek also suggests that the specialized planting technique (TreeWell®) and the growth of groundcover species in the deep planting zone are achieving the intended effect of limiting the availability of direct precipitation and surface runoff to the deeply planted trees, while encouraging growth of their root systems toward the groundwater. The similarity of patterns of carbon tetrachloride and chloroform in trees in the deep planting zone to patterns in previous reporting periods confirms that *the roots of the deeply planted trees are accessing the contaminated groundwater resource*.

The presence of standing water in parts of the phytoremediation area since the spring of 2007 has caused ongoing concern over the health of the tree stand. When tree diameters were recorded in fall 2008, the presence of standing water in the vicinity of each location was documented. Figure 3.1 illustrates the survey findings. Wet ground was found near 264

locations, while dry soil was found near 740 locations. The condition of the wet-ground soils ranged from saturated to submerged below several centimeters of standing water. Wet areas in the planting occurred predominantly on the east side of the tributary creek, and to a lesser degree in the southernmost area of the west side.

The effects of presence or absence of wet ground (Figure 3.1) on tree growth were evaluated. Unlike the effects of deep versus shallow planting, the presence of wet versus dry soil conditions did not result in statistically significant growth differences. This interpretation might have been influenced, however, by the relatively short duration (approximately two growing seasons thus far) of the unusually wet conditions at the site, as well as by the dissimilar numbers of observation points available for the wet and dry conditions.

Three cottonwood trees were harvested in June and July 2008 to obtain information indicative of standing biomass yield and metrics. The tree harvest and measurement activities are documented in the Photo Gallery (Appendix A). The 2007 total Kjeldahl nitrogen analysis results for branches and leaves were used to estimate nitrogen use by the trees at the peak of the growing season. The values (Table 4.5) were compared with literature data. Trees harvested were similar in DBH to the stand-wide average for cottonwoods and were thus considered representative of a typical cottonwood at the site. The average cottonwood woody biomass (moist) measured from harvested trees was 26.6 kg per tree, and the leaf biomass was 4.3 kg per tree. Average tree height was 797 cm. Allometric equations for determining standing biomass from DBH measurements were investigated and checked against the field data. In particular, equations and coefficients reported by Ter-Mikaelian and Korzukhin (1997) were tested, as they were the only authors who reported values for the tree species represented at Murdock. Because data derived from literature coefficients were significantly different from the field-measured data, calculations of standing biomass were made by using Murdock field data only. Reasons for this discrepancy are unknown at this time, but finding large differences is not unusual in attempts to fit broadly derived coefficients in a specific context. Nitrogen use data in Table 4.5 were conservative in comparison to available literature data, as the concentrations recorded in the 2007 samples were generally at the lower end of the range reported by Hansen (1994).

Extrapolation of the average cottonwood biomass to the 745 standing cottonwoods and poplars gave a total standing biomass for these two species of 19.8 metric tons. Although the collection of biomass data for willows was deferred until the 2009 growing season, applying the same per-tree biomass values would provide a very conservative estimate of 24.5 tons for the

924 Niobe willows standing. Biomass from other tree species (green ash and catalpa) is still too small to be significant, and — because of their small numbers — measurement by harvesting is not recommended at this time.

4.3.3 Evidence of Possible Enhanced Microbial Degradation

Direct measurement of the microbial activity in the root zone created by the phytoremediation plantings is neither easy nor economical to employ at this time as a periodic monitoring tool. In accordance with the approved *Monitoring Plan* (Argonne 2006), twice yearly sampling and analysis of the groundwater at 19 permanent monitoring wells within and upgradient of the phytoremediation area (Figure 2.3) is performed as a logistically viable alternative for monitoring for (1) changes in the concentrations of carbon tetrachloride in groundwater and (2) the possible development of reducing/anaerobic conditions within the aquifer required for the microbial degradation of carbon tetrachloride by reductive dechlorination.

4.3.3.1 VOCs Analysis Results for Groundwater

The analytical results for VOCs in groundwater samples collected during the review period are summarized in Table 4.6 and in Figures 4.17 and 4.18. Table 4.6 includes results from previous sampling events for comparison.

Table 4.6 indicates that the observed concentrations of carbon tetrachloride in the Murdock aquifer have remained relatively stable in the years 2005-2008 at most of the monitoring well locations, showing no consistent trend of increase or decrease. The highest concentrations of carbon tetrachloride in groundwater (since monitoring began in 2005) have consistently been identified at monitoring locations PMW1, PMW2, and PMW3 near the tributary creek headwaters, as well as at location SB65, upgradient (south) of the phytoremediation planting area. The highest maximum concentrations consistently detected during all sampling events have occurred at monitoring wells PMW1D (641-3,077 µg/L) and PMW2D (568-3,827 µg/L), although concentrations exceeding 1,000 µg/L were also observed at location PMW3 during the July 2007 and July 2008 sampling events (Table 4.6). Figures 4.17 and 4.18, respectively, show the analytical results for groundwater samples in the May and July 2008 sampling events.

Figure 4.19 highlights carbon tetrachloride results for three wells with shallow completions (PMW1S, PMW2SA, PMW3S) in the upgradient, headwaters portion of the phytoremediation area. As Figure 4.19 illustrates, the carbon tetrachloride concentrations in these three shallow wells were generally similar in April 2006, August 2006, and April 2007. In the July 2007 sampling event, however, dramatic increases in the levels of carbon tetrachloride were observed in all three wells, and relatively elevated levels persisted at these locations in both the May 2008 and July 2008 sampling events. The observed increases are believed to reflect the movement of more highly contaminated groundwater from the deeper portion of the aquifer into the shallower portion at these locations, in association with the 2007 and 2008 rises in groundwater levels described in Section 4.1. Persistent seepage to the land surface (presumably groundwater seepage) was observed during much of 2007 and throughout 2008 in the vicinity of these monitoring wells, further suggesting upward movement of contaminated groundwater in this area subsequent to the April 2007 sampling event.

Groundwater monitoring for VOCs has consistently demonstrated that the *measured carbon tetrachloride concentrations in groundwater decrease rapidly northward and downgradient from the creek headwaters area*; the 2008 sampling results continue this trend. The maximum concentrations identified at the northernmost groundwater sampling location, PMW8, ranged from 16 μg/L to 26 μg/L between the original Murdock baseline sampling event in July 2005 and the event in May 2008; a slight increase, to 44 μg/L, was observed in the July 2008 sampling event (Table 4.6).

Chloroform concentrations identified in the groundwater samples from each of the monitoring events in 2008 (Table 4.6) were generally low (< 10 μg/L), with the consistent exception of the TEST-1 well on the Murdock public school property (17 μg/L and 16 μg/L in the May 2008 and July 2008 sampling events, respectively).

Comparison of the carbon tetrachloride and chloroform concentrations in the groundwater samples collected in the area with elevated carbon tetrachloride concentrations (> 50 μg/L) indicated that, except for the TEST-1 well, the ratios of chloroform to carbon tetrachloride were consistently < 3%, and mostly < 1%.

4.3.3.2 Geochemical Analysis Results for Groundwater

The inorganic geochemical parameters dissolved oxygen (DO), reduced iron (Fe^{2+}), and oxidation-reduction potential (ORP) are measured in each of the monitoring wells as possible indicators of the development of oxygen-depleted, chemically reducing conditions that would promote anaerobic degradation of the carbon tetrachloride within the Murdock aquifer. The results of these measurements for the present review period are in Table 4.7, together with data from previous sampling events. With few exceptions, the results show no clear patterns of significantly decreased DO or ORP levels or increased Fe^{2+} in conjunction with the annual growing season that would suggest the *widespread* onset of anaerobic conditions in the groundwater as a result of plant growth or microbial activity. The measured concentrations of dissolved Fe^{2+} increased very slightly at all monitoring well locations (except for PMW4 and SB65D) in July 2008 relative to May 2008; however, the concentrations of Fe^{2+} remained at trace levels (generally ≤0.2 mg/L) at all locations during both sampling events.

At most of the sampled locations, the observed DO and ORP levels variably showed minor increases or decreases between the May 2008 and July 2008 sampling events. More significant decreases in DO in July were noted at locations PMW5, PMW6, and PMW7 in the downstream portion of the phytoremediation area; however, increased DO levels were observed at nearby downgradient locations PMW4 and PMW8. Curiously, with only one exception (at PMW9D), a consistent *inverse* relationship was observed for these geochemical parameters at each groundwater monitoring point for the 2008 sampling events, in that increased DO concentrations (from May to July) were associated with decreased ORP levels and vice-versa. These results are in contrast to data for the 2006 and 2007 monitoring events (Table 4.7), which showed an apparent seasonal influence on ORP values measured at all well locations in the phytoremediation area, with relatively lower ORP values occurring during the summer periods of active plant growth. The 2008 geochemical measurements therefore provide little evidence for the possible development of locally more reducing conditions in groundwater during the 2008 summer growth period. These observations may in part reflect the influence of a greater flux of recently infiltrated shallow groundwater and surface runoff through the Murdock flow system during 2008, as noted in Section 4.1.

4.3.4 Summary of Results for the Phytoremediation Area

The results of the phytoremediation monitoring activities during the present review period support the following observations:

- Distinct seasonal fluctuations in groundwater levels observed at all monitoring well locations in the phytoremediation area appear linked to the diurnal effects of groundwater "pumping" by the phytoremediation plantings, native vegetation, and nearby crops during the annual growing season. Limited estimates suggest that this effect reduced net water flow in the tributary creek by 30-40 gpm during peak daily water usage in the driest period of the summer growing season.

- In contrast to results obtained in 2006 and 2007, geochemical data for 2008 suggest little development of increasingly reducing conditions in the Murdock aquifer during the annual summer growing period that might stimulate the localized degradation of carbon tetrachloride in the subsurface.

- Uptake of carbon tetrachloride by the planted tree stand has been confirmed by the seasonal presence of this contaminant, along with chloroform, in branch tissue at increasing concentrations and over an expanding areal extent, both in the shallow planting area and in the deep planting area. Concentrations of carbon tetrachloride and chloroform appeared to be slightly lower than in 2007 for reasons that are not yet fully understood.

- The increased ratio of chloroform to carbon tetrachloride observed in plant tissues versus groundwater suggests that carbon tetrachloride degradation is occurring in the phytoremediation system. The degradation could be associated with the plant tissue activity, microbial activity in the root zones of the plantings, or both.

- Native grasses sampled in 2008 did not show significant carbon tetrachloride and chloroform concentrations.

- Evidence of groundwater and contaminant uptake was found in the trees planted deepest, indicating that these trees might have reached or be close to reaching the target rooting depth. Higher-than-normal groundwater elevations recorded in 2008 may, however, have contributed to enhanced contact between the tree roots and the groundwater. If this is true, a decline in uptake in future years might reflect the effect of a declining water level rather than a

failure of the system to accomplish groundwater restoration. As the water level recedes to more typical elevations in the future, the tree roots will extend downward to follow the declining water table. A relatively gradual decline in the water level is not expected to stress the trees.

- Significant tree growth during the 2008 growing season indicates the potential for substantial water use by the trees. This potential was measured as tree water use through sap flow monitoring and was also reflected in the decrease in measured discharge from the phytoremediation-wetlands system. Sap flow monitoring indicated an estimated tree water use of 8,000-20,000 gal/d. Decreases in the measured discharge exiting the wetlands area showed that, *averaged over 24 hr*, the estimated combined water usage (15-20 gpm) associated with uptake and treatment by the phytoremediation plantings, groundcover species, natural vegetation, and adjacent farm crops, as well as possible direct evaporation from these areas, in 2008 would amount to 21,600-28,800 gal/d during the active growing season, or approximately 3.24-5.18 million gallons in a growing season of 150-180 days.

4.4 Results for Vegetation Sampling in the Wetlands Area

Selected herbaceous and woody vegetation samples were collected during the July 2008 sampling event, in the water and at the water's edge along the wetlands perimeter. Species collected included young adventitious willows and cottonwoods, as well as arrowhead, blanket flower, bluestem, bulrush, cattail, knotweed, lemna, reeds, switch grass, and wild rye. No carbon tetrachloride or chloroform was found in these samples (Table B.1), except for the trace levels (< 1 μg/kg) of carbon tetrachloride detected in two samples (Grass-24 and Grass-37) collected just south of the wetlands outfall and south of the west side weir wall. As the plantings become better established with time, convincing evidence of carbon tetrachloride uptake by the wetlands vegetation may be found if the wetlands water concentrations are elevated enough to make carbon tetrachloride detectable in plant tissue.

4.5 Results for Compliance Monitoring at Surface Water Locations SWM1, SWM2, and SWM3

Surface water sampling point SWM3 lies directly downstream of the outfall from the phytoremediation and wetlands treatment zones (Figure 3.5), and hence it reflects the final contaminant levels achieved in the effluent from the combined treatment processes. Location SWM3 was therefore identified in the EPA-accepted *Monitoring Plan* (Argonne 2006) as the primary point for quantitative assessment of the net performance of the Murdock treatment efforts. A maximum target carbon tetrachloride concentration of 44.2 µg/L was adopted for this discharge, as established by the NDEQ for surface waters of the state under NDEQ Title 117 – *Nebraska Surface Water Quality Standard*.

The results of the 2008 surface water sampling and analyses are in Table 4.8, along with previous data for comparison. Carbon tetrachloride contamination was detected in all surface water samples collected at SWM3 in 2008, at levels exceeding the instrument detection limit of 0.1 µg/L. *The levels identified (1.0-2.9 µg/L), however, were below the regulatory target concentration (44.2 µg/L) promulgated for this outfall by an order of magnitude.* Carbon tetrachloride levels detected in 2008 at upstream sampling location SWM2 ranged from 3.6 µg/L to 9.0 µg/L, also falling well below the identified target level for surface waters. Carbon tetrachloride levels identified in the surface waters sampled at upstream location SWM1 ranged from 100 µg/L in February 2008 to 20 µg/L in July 2008; these values were consistently lower than the concentrations observed for the corresponding quarterly monitoring events in 2007.

The results demonstrate almost complete removal of carbon tetrachloride contamination from the surface water, as well as the groundwater seepage, that passed through the phytoremediation and wetlands treatment zones during the review period. The system met the EPA's compliance goals.

4.6 Results for Atmospheric Compliance Monitoring

The EPA has adopted the Agency for Toxic Substances and Disease Registry's intermediate inhalation minimal risk level (MRL) of 192 $\mu g/m^3$ as a target maximum concentration for carbon tetrachloride in air in the phytoremediation and wetlands treatment areas. This concentration will be protective of health for both workers and members of the general public who might periodically visit these areas. The intermediate MRL is defined as an

estimate of the daily human exposure that is likely to be without appreciable risk of adverse non-cancer health effects for an exposure duration of 15-364 d (EPA 2005).

Ambient air is sampled at three locations (Figure 3.6) — two in the phytoremediation area (AA1, AA2) and one in the wetlands (AA3) — as specified in the EPA-approved *Monitoring Plan* (Argonne 2006). Samples are collected by using special evacuated canisters fitted with metered inlet valves. The valves allow air to enter the canisters at a preset, slow rate. At Murdock, an air sample is collected at each location over an 8-hr period, on each of three consecutive days, for each sampling event. This procedure yields "average" samples of the air to which a visitor at the site might be exposed. The purpose is to compensate for unusual wind or other weather conditions that might affect the air sampled on any one given day. For comparison, samples of "background" air are collected during each sampling event from a location southwest of the phytoremediation and wetlands areas (BA1; Figure 3.6), by using the same procedures. The air samplers were placed at an inlet height of approximately 5.5 ft above ground level, roughly corresponding to the breathing zone.

The results of the 2008 air sampling and analyses are compared to data for previous sampling events in Table 4.9. Carbon tetrachloride was detected at low levels in the ambient air sampled at location AA1, in the upstream portion of the phytoremediation area (Figure 3.6), during both the May 2008 and July 2008 sampling events, at concentrations of 2.0-4.5 $\mu g/m^3$ and ND (not detected) to 2.5 $\mu g/m^3$, respectively. Carbon tetrachloride was also detected at levels slightly above the indicated reporting limit of 1.3 $\mu g/m^3$ in one sample of ambient air collected at location AA2 (1.4 $\mu g/m^3$, on May 15) and in one sample of air at location AA3 (1.5 $\mu g/m^3$, on May 1) during the May 2008 sampling event; however, these results were not corroborated by the samples collected at these locations on the remaining days of that event. No carbon tetrachloride was detected at the background air collection point (BA1), and no chloroform was identified (at an indicated reporting limit of 0.98 $\mu g/m^3$) in the ambient air at locations BA1 or AA1-AA3, during the current review period. *The levels of carbon tetrachloride detected in the ambient air at Murdock sampling points AA1-AA3 were below the regulatory target level (192 $\mu g/m^3$) adopted for this contaminant by the EPA, by approximately two orders of magnitude.*

Several other compounds, including chloromethane, acetone, and chlorofluoromethanes, were identified at low or trace concentrations in many of the air samples collected in the phytoremediation and wetlands areas, at levels comparable to those found at background

sampling location BA1 (Table 4.9). The presence of these compounds appears unrelated to the former CCC/USDA grain storage activities at Murdock or to the groundwater and surface water restoration processes that are presently in progress.

4.7 Quality Control for Monitoring Activities

A comprehensive quality assurance/quality control program was implemented to confirm the reliability and representativeness of all analytical results as they were accumulated. Sample collection and handling activities were monitored by documenting samples as they were collected and using chain-of-custody forms and custody seals to ensure sample integrity during handling and shipment. Field blanks, equipment rinsates, and trip blanks were collected as appropriate to ensure that cross-contamination did not occur during sample collection and handling. To monitor the consistency of the sampling methodology and provide a measure of analytical precision, blind replicate samples were collected, and other samples were selected for duplicate analyses.

Groundwater, surface water, and spray irrigation effluent samples were analyzed for VOCs by the Applied Geosciences and Environmental Management (AGEM) Laboratory at Argonne, Illinois. The AGEM Laboratory used a modification of EPA Method 524.2 to achieve a quantitation limit of 1.0 µg/L. In this purge-and-trap method with analysis on a gas chromatograph-mass spectrometer system, VOCs are extracted (purged) from the sample matrix by bubbling an inert gas through each sample. The purged components are then trapped in a specified sorbent tube. After the purging, the sorbent tube is heated and backflushed with an inert gas to desorb the components into the analytical system. The compounds eluting from the gas chromatography column are identified by retention time and through comparison with reference library spectra. The concentration of each component is calculated by comparison of the mass spectrometer response for the quantitation ion to corresponding calibration curves, the responses for internal standards, or both.

Vegetation samples were analyzed for carbon tetrachloride and chloroform by the AGEM Laboratory with a modification of the protocol in EPA Method 5021 (headspace analysis on a gas chromatograph with electron capture detection) to achieve the low detection limits required. An 11-point calibration of the gas chromatograph system was established on the basis of the mass of known quantities of carbon tetrachloride and chloroform. Consistency in the results for

secondary quality control analyses provides support for the sampling and analytical methodologies.

To aid in characterization of the water-bearing zone, groundwater samples were analyzed for geochemical parameters including total nitrogen, DO, Fe^{2+}, ORP, pH, and conductivity. Samples were analyzed for nitrate/nitrite-nitrogen by TestAmerica Laboratories (University Park, Illinois) with EPA Method 353.2, an automated colorimetric method based on cadmium reduction. Commercial field test kits and instruments were used for measurement of the other geochemical parameters of interest.

Air-monitoring samples were analyzed at TestAmerica Laboratories (South Burlington, Vermont) by EPA Method TO-15 on a gas chromatograph-mass spectrometer system. The atmospheric air samples were drawn into specially prepared, preevacuated stainless steel canisters. For the analysis, the sample (a known volume of air) was directed from the canister through a multisorbent concentrator. After the concentration and drying steps were complete, the VOCs were thermally desorbed, entrained in a carrier gas stream, and directed through a multisorbent trap. The sample was then released by thermal desorption and carried onto the gas chromatography column for separation.

TABLE 4.1 Analytical results for volatile organic compounds in samples of untreated water collected from extraction well GWEX-1 at Murdock, 2005-2008.[a]

Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L)		
			Carbon Tetrachloride	Chloroform	Methylene Chloride
MUGWEX-W-18312	7/18/05	47.0–77.0	205	2.3	ND[b]
MUTAP-W-15717	9/22/05	47.0–77.0	232	2.7	ND
MUTAP-W-15718[c]	9/22/05	47.0–77.0	223	2.4	ND
MUTAP-W-18128	6/8/06	47.0–77.0	262	3.2	ND
MUTAP-W-18129[c]	6/8/06	47.0–77.0	270	3.3	ND
MUGWX1-W-18151	8/15/06	47.0–77.0	262	4.5	ND
MUGWX1-W-18152[c]	8/15/06	47.0–77.0	179	2.7	ND
MUGWX1-W-23082	9/12/07	47.0–77.0	336	4.2	ND
MUGWX1-W-23083[c]	9/12/07	47.0–77.0	285	3.7	ND

[a] Well GWEX-1 was not operated in 2008 because of wet conditions at the site.

[b] ND, not detected at instrument detection limit of 0.1 µg/L.

[c] Quality control replicate.

TABLE 4.2 Analytical results for volatile organic compounds in samples of treated spray collected at Murdock, 2005-2008.[a]

Sample	Sample Date	Carbon Tetrachloride	Chloroform	Methylene Chloride
MUTEST1-W-B	6/2/05	0.8 J[b]	ND[c]	ND
MUTEST1-W-C	6/2/05	1.8	ND	ND
MUTEST1-W-D	6/2/05	1.1	ND	ND
MUTEST1-W-E	6/2/05	0.7 J	ND	ND
MUTEST2-W-B	6/2/05	1.3	ND	ND
MUTEST2-W-C	6/2/05	2.1	ND	ND
MUTEST2-W-D	6/2/05	2.2	ND	ND
MUTEST2-W-E	6/2/05	5.9 S[d]	ND	ND
MU-C-W-15722	9/22/05	1.9	ND	ND
MU-D-W-15723	9/22/05	2.9	ND	ND
MU-E-W-15719	9/22/05	4.7	ND	ND
MU-F-W-15720	9/22/05	3.0	ND	ND
MU-G-W-15721	9/22/05	4.0	ND	ND
MUB-W-18134	6/8/06	5.2	ND	ND
MUC-W-18133	6/8/06	1.7	ND	ND
MUD-W-18130	6/8/06	3.0	ND	ND
MUD-W-18131[e]	6/8/06	3.1	ND	ND
MUE-W-18132	6/8/06	2.7	ND	ND
MUB-W-18153	8/15/06	5.2	ND	ND
MUC-W-18154	8/15/06	0.9 J	ND	ND
MUD-W-18155	8/15/06	2.6	ND	ND
MUD-W-18156[e]	8/15/06	1.7	ND	ND
MUE-W-18157	8/15/06	2.5	ND	ND
MUF-W-18158	8/15/06	2.3	ND	ND
MUB-W-23090	9/12/07	2.1	ND	ND
MUC-W-23088	9/12/07	2.4	ND	ND
MUC-W-23089[e]	9/12/07	2.3	ND	ND
MUD-W-23086	9/12/07	4.0	ND	ND
MUD-W-23087[e]	9/12/07	4.3	ND	ND
MUE-W-23085	9/12/07	2.7	ND	ND
MUF-W-23084	9/12/07	6.5	ND	ND

[a] The spray treatment unit was not operated in 2008 because of wet conditions at the site.

[b] Qualifier J indicates an estimated concentration below the method quantitation limit of 1.0 µg/L.

[c] ND, not detected at instrument detection limit of 0.1 µg/L.

[d] Qualifier S indicates that the surrogate recovery was outside the quality control range.

[e] Quality control replicate.

TABLE 4.3 Analytical results for pH in samples of treated spray collected at Murdock, 2005-2008.[a]

Sample Date	pH Minimum	pH Maximum
6/2/05	7.76	7.88
9/22/05	6.57	7.33
6/8/06	6.54	6.55
8/15/06	7.60	7.66
9/12/07	7.24	7.33

[a] The spray treatment unit was not operated in 2008 because of wet conditions at the site.

TABLE 4.4 Calculated mean daily sap flow values, summer 2008 (July 22-August 26).

Probe	Tree (n = 18)	Diameter at Breast Height, July 2008 (cm)	Calculated Total Wood Sap Flow (L/d)
1	W506EC	10.9	26.3
2	W610WN1	11.9	51.7
3	W609EC2	6.4	16.5
4	W608EC2	10.2	38.8
5	W608EC2	10.2	29.2
6	W709EC	11.4	21.0
7	W607EC1	10.7	19.5
8	W505EC1	9.1	33.3
9	W505EC1	9.1	28.7
10	W504WN1	10.7	45.8
11	W504WN2	10.9	39.4
12	W605WN1	13.7	82.2
13	W605WN1	13.7	102.7
14	W606EC1	9.7	17.9
15	W706EC2	9.4	17.9
16	W707EC2	11.2	24.8
17	W810EC1	10.0	37.6
18	W809EC1	10.9	24.6
19	W708EC1	7.1	8.7
20	W707GA	2.5	0.7
21	W708EC2	11.2	62.9

[a] Tree species abbreviations: EC, eastern cottonwood; GA, green ash; WN, Niobe willow.

TABLE 4.5 Field-measured biomass parameters (June and July 2008), per tree.

	Values for each Tree			
	W421EC1	W421EC2	W417EC1	Average Values
Height (cm)	866	838	688	797.3
Diameter at breast height (mm)	100	92	85	92.3
Total wood weight (kg)	32.4	24.5	23	26.6
Leaf weight (kg)	5.9	2.9	4	4.3
Moisture in wood (%)	43	43	43	43
Moisture in leaf (%)	54	54	54	54
Nitrogen (%) in wood, moist basis[a]	0.15	0.15	0.15	0.15
Nitrogen (%) in leaf, moist basis[a]	0.6	0.6	0.6	0.6
Total nitrogen mass in wood (g)	48.6	36.75	34.5	39.95
Total nitrogen mass in leaf (g)	35.4	17.4	24	25.6
Dry yield wood mass (kg/tree)	18.47	13.97	13.11	15.18
Dry yield leaf mass (kg/tree)	2.71	1.33	1.84	1.96

[a] Data from 2007 Murdock biomass sampling.

TABLE 4.6 Analytical results for volatile organic compounds in groundwater samples collected from monitoring wells at Murdock, 2005-2008.

				Concentration (µg/L)		
Location	Sample	Sample Date	Depth (ft BGL)	Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in phytoremediation treatment area						
PMW1S	MUPMW1S-W-18318	7/19/05	4.6-14.6	9.4	0.4 J[a]	ND
PMW1S	MUPMW1S-W-15720	4/6/06	4.6-14.6	4.1	0.3 J	ND
PMW1S	MUPMW1S-W-18168	8/17/06	4.6-14.6	0.2 J	ND[b]	ND
PMW1S	MUPMW1S-W-18205	4/12/07	4.6-14.6	0.9 J	ND	ND
PMW1S	MUPMW1S-W-22846	7/24/07	4.6-14.6	820	2.7	ND
PMW1S	MUPMW1S-W-22923	5/8/08	4.6-14.6	106	1.0	ND
PMW1S	MUPMW1S-W-19183	7/22/08	4.6-14.6	640	3.4	ND
PMW1D	MUPMW1D-W-18313	7/19/05	24.6-34.6	1233	5.2	ND
PMW1D	MUPMW1D-W-15721	4/6/06	24.6-34.6	3077	1.6	ND
PMW1D	MUPMW1D-W-18166	8/17/06	24.6-34.6	2241	9.3	ND
PMW1D	MUPMW1D-W-18206	4/12/07	24.6-34.6	1876	4.8	ND
PMW1D	MUPMW1D-W-22845	7/24/07	24.6-34.6	1706	ND[c]	ND
PMW1D	MUPMW1D-W-22924	5/8/08	24.6-34.6	901	7.1	ND
PMW1D	MUPMW1D-W-19184	7/22/08	24.6-34.6	641	4.8	ND
PMW2SA	MUPMW2SA-W-15717	4/6/06	4.6-14.6	359	2.8	ND
PMW2SA	MUPMW2SA-W-18163	8/17/06	4.6-14.6	385	3.5	ND
PMW2SA	MUPMW2SA-W-18196	4/12/07	4.6-14.6	603	6.1	ND
PMW2SA	MUPMW2SA-W-22839	7/23/07	4.6-14.6	2742	7.9	ND
PMW2SA	MUPMW2SA-W-22925	5/12/08	4.6-14.6	758	6.7	ND
PMW2SA	MUPMW2SA-W-19185	7/23/08	4.6-14.6	361	3.9	ND
PMW2SB	MUPMW2SB-W-18334	7/21/05	4.6-14.6	377	6.4	ND
PMW2SB	MUPMW2SB-W-18194	4/12/07	4.6-14.6	586	4.2	ND
PMW2D	MUPMW2D-W-18314	7/19/05	19.6-29.6	1564	4.8	ND
PMW2D	MUPMW2D-W-15718	4/6/06	19.6-29.6	3353	9.6	ND
PMW2D	MUPMW2D-W-18164	8/17/06	19.6-29.6	1336	7.4	ND
PMW2D	MUPMW2D-W-18193	4/12/07	19.6-29.6	1273	5.9	ND
PMW2D	MUPMW2D-W-22841	7/23/07	19.6-29.6	1009	8.2	ND
PMW2D	MUPMW2D-W-22926	5/12/08	19.6-29.6	763	5.4	ND
PMW2D	MUPMW2D-W-19186	7/23/08	19.6-29.6	568	3.8	ND
PMW3S	MUPMW3S-W-18331	7/21/05	4.5-14.5	394	2.4	ND
PMW3S	MUPMW3S-W-15673	4/5/06	4.5-14.5	65	0.7 J	ND
PMW3S	MUPMW3S-W-18159	8/15/06	4.5-14.5	85	1.0	ND
PMW3S	MUPMW3S-W-18201	4/12/07	4.5-14.5	90	ND	ND
PMW3S	MUPMW3S-W-22834	7/23/07	4.5-14.5	1133	12	ND
PMW3S	MUPMW3S-W-22927	5/13/08	4.5-14.5	417	2.9	ND
PMW3S	MUPMW3S-W-19187	7/23/08	4.5-14.5	207	1.3	ND
PMW3D	MUPMW3D-W-18316	7/19/05	19.5-24.5	801	4.9	ND
PMW3D	MUPMW3D-W-15671	4/5/06	19.5-24.5	346	ND	ND
PMW3D	MUPMW3D-W-18161	8/15/06	19.5-24.5	444	4.4	ND
PMW3D	MUPMW3D-W-18202	4/12/07	19.5-24.5	382	3.0	ND
PMW3D	MUPMW3D-W-22833	7/23/07	19.5	352	2.9	ND
PMW3D	MUPMW3D-W-22928	5/13/08	19.5-24.5	867	6.2	ND
PMW3D	MUPMW3D-W-19188	7/23/08	19.5-24.5	1152	8.3	ND

TABLE 4.6 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L) Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in phytoremediation treatment area (cont.)						
PMW4	MUPMW4-W-18321	7/20/05	19.5-24.5	52	1.8	ND
PMW4	MUPMW4-W-15728	4/10/06	19.5-24.5	31	0.6 J	ND
PMW4	MUPMW4-W-18346	8/21/06	19.5-24.5	35	0.6 J	ND
PMW4	MUPMW4-W-18188	4/9/07	19.5-24.5	65	1.0	ND
PMW4	MUPMW4-W-22849	7/24/07	19.5-24.5	75	1.1	ND
PMW4	MUPMW4-W-22929	5/12/08	19.5-24.5	17	0.9 J	ND
PMW4	MUPMW4-W-19189	7/21/08	19.5-24.5	118	2.0	ND
PMW5	MUPMW5-W-18322	7/20/05	4.5-14.5	118	1.0	ND
PMW5	MUPMW5-W-15727	4/10/06	4.5-14.5	178	1.5	ND
PMW5	MUPMW5-W-18347	8/21/06	4.5-14.5	34	0.2 J	ND
PMW5	MUPMW5-W-18204	4/12/07	4.5-14.5	355	2.9	ND
PMW5	MUPMW5-W-22850	7/24/07	4.5-14.5	372	3.6	ND
PMW5	MUPMW5-W-22930	5/12/08	4.5-14.5	168	3.7	ND
PMW5	MUPMW5-W-19190	7/21/08	4.5-14.5	260	3.9	ND
PMW6	MUPMW6-W-18333	7/21/05	4.5-14.5	9.6	0.4 J	ND
PMW6	MUPMW6-W-15724	4/10/06	4.5-14.5	8.7	0.4 J	ND
PMW6	MUPMW6-W-18174	8/23/06	4.5-14.5	9.4	0.6 J	ND
PMW6	MUPMW6-W-18190	4/10/07	4.5-14.5	5.5	0.4 J	ND
PMW6	MUPMW6-W-22853	7/24/07	4.5-14.5	6.9	0.2 J	ND
PMW6	MUPMW6-W-22931	5/12/08	4.5-14.5	3.1	0.4 J	ND
PMW6	MUPMW6-W-19191	7/22/08	4.5-14.5	1.8	0.2 J	ND
PMW7	MUPMW7-W-18332	7/21/05	14.5-19.5	3.5	0.6 J	ND
PMW7	MUPMW7-W-15722	4/10/06	14.5-19.5	3.7	0.9 J	ND
PMW7	MUPMW7-W-18172	8/23/06	14.5-19.5	5.4	1.1	ND
PMW7	MUPMW7-W-18192	4/10/07	14.5-19.5	3.4	0.7 J	ND
PMW7	MUPMW7-W-22854	7/24/07	14.5-19.5	2.5	0.7 J	ND
PMW7	MUPMW7-W-22932	5/12/08	14.5-19.5	2.3	0.4 J	ND
PMW7	MUPMW7-W-19192	7/22/08	14.5-19.5	0.8 J	ND	ND
PMW8	MUPMW8-W-18323	7/20/05	4.5-14.5	23	0.8 J	ND
PMW8	MUPMW8-W-15726	4/10/06	4.5-14.5	16	0.6 J	ND
PMW8	MUPMW8-W-18169	8/21/06	4.5-14.5	19	0.7 J	ND
PMW8	MUPMW8-W-18189	4/9/07	4.5-14.5	17	0.5 J	ND
PMW8	MUPMW8-W-22851	7/24/07	4.5-14.5	26	0.5 J	ND
PMW8	MUPMW8-W-22933	5/12/08	4.5-14.5	19	0.4 J	ND
PMW8	MUPMW8-W-19193	7/21/08	4.5-14.5	44	0.8 J	ND
PMW9S	MUPMW9S-W-18328	7/20/05	5.0-9.0	10	14	ND
PMW9S	MUPMW9S-W-15712	4/5/06	5.0-9.0	8.1	14	ND
PMW9S	MUPMW9S-W-17206	8/16/06	5.0-9.0	11	8.7	ND
PMW9S	MUPMW9S-W-18197	4/12/07	5.0-9.0	11	24	ND
PMW9S	MUPMW9S-W-22837	7/23/07	5.0-9.0	17	5.2	ND
PMW9S	MUPMW9S-W-22934	5/12/08	5.0-9.0	17	2.7	ND
PMW9S	MUPMW9S-W-19194	7/23/08	5.0-9.0	12	0.4 J	ND
PMW9M	MUPMW9M-W-18329	7/20/05	11.0-15.0	60	2.0	ND
PMW9M	MUPMW9M-W-15674	4/5/06	11.0-15.0	60	1.8	ND
PMW9M	MUPMW9M-W-17207	8/16/06	11.0-15.0	44	1.6	ND

TABLE 4.6 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L) Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in phytoremediation treatment area (cont.)						
PMW9M	MUPMW9M-W-18200	4/12/07	11.0-15.0	28	1.2	ND
PMW9M	MUPMW9M-W-22835	7/23/07	11.0-15.0	24	0.5 J	ND
PMW9M	MUPMW9M-W-22935	5/12/08	11.0-15.0	6.5	ND	ND
PMW9M	MUPMW9M-W-19195	7/23/08	11.0-15.0	8.1	ND	ND
PMW9D	MUPMW9D-W-18315	7/20/05	19.5-29.5	4.6	0.9 J	ND
PMW9D	MUPMW9D-W-15713	4/6/06	19.5-29.5	ND	0.4 J	ND
PMW9D	MUPMW9D-W-18345	8/16/06	19.5-29.5	0.5 J	0.3 J	ND
PMW9D	MUPMW9D-W-18198	4/12/07	19.5-29.5	ND	0.3 J	ND
PMW9D	MUPMW9D-W-22842	7/23/07	19.5-29.5	0.7 J	0.5 J	ND
PMW9D	MUPMW9D-W-22936	5/13/08	19.5-29.5	ND	0.3 J	ND
PMW9D	MUPMW9D-W-19196	7/23/08	19.5-29.5	0.9 J	0.2 J	ND
W103	MU578-W-18260	7/19/05	2.9-5.0	ND	ND	ND
W103	MUW103-W-17200	4/13/06	2.9-5.0	ND	ND	ND
W103	MUW103-W-18182	8/24/06	2.9-5.0	ND	ND	ND
W103	MUW103-W-18208	4/12/07	2.9-5.0	ND	ND	ND
W103	MUW103-W-22867	8/2/07	2.9-5.0	ND	ND	ND
W103	MUW103-W-22937	5/13/08	2.9-5.0	ND	ND	ND
W103	MUW103-W-19197	7/26/08	2.9-5.0	1.6	ND	ND
W410	MUTW444-W-18261	7/23/05	2.5-4.9	38	31	ND
W410	MUW410-W-18127	4/13/06	2.5-4.9	1.6	3.6	ND
W410	MUW410-W-22872	8/2/07	2.5-4.9	15	23	ND
W410	MUW410-W-22938	5/13/08	2.5-4.9	242	77	1.4
W410	MUW410-W-19198	7/26/08	2.5-4.9	59	54	2.3
Wells in upgradient plume area						
2S	MU2S-W-18308	7/18/05	70.5-80.5	85	2.5	ND
2S	MUS2-W-17202	4/18/06	70.5-80.5	88	1.6	ND
2S	MUS2-W-18179	8/24/06	70.5-80.5	130	2.8	ND
2S	MU2S-W-18213	4/13/07	70.5-80.5	100	2.4	ND
2S	MU2S-W-22861	7/25/07	70.5-80.5	102	2.3	ND
2S	MU2S-W-22917	5/8/08	70.5-80.5	59	1.8	ND
2S	MUS2-W-19178	7/24/08	70.5-80.5	54	1.6	ND
2D	MUD2-W-18344	7/22/05	85.0-95.0	10	3.4	ND
2D	MUD2-W-17201	4/17/06	85.0-95.0	2.2	4.6	ND
2D	MUD2-W-18181	8/24/06	85.0-95.0	36	4.1	ND
2D	MU2D-W-18212	4/13/07	85.0-95.0	20	4.9	ND
2D	MU2D-W-22859	7/25/07	85.0-95.0	17	5.3	ND
2D	MU2D-W-22918	5/8/08	85.0-95.0	1.3	6.0	ND
2D	MUD2-W-19179	7/24/08	85.0-95.0	2.8	4.4	ND
SB65S	MUSB65S-W-18335	7/21/05	23.7-38.7	ND	ND	ND
SB65S	MUSB65S-W-15732	4/13/06	23.7-38.7	0.5 J	ND	ND
SB65S	MUSB65S-W-18176	8/23/06	23.7-38.7	0.7 J	ND	ND
SB65S	MUSB65S-W-18209	4/13/07	23.7-38.7	ND	ND	ND
SB65S	MUSB65S-W-22855	7/25/07	23.7-38.7	ND	ND	ND

TABLE 4.6 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L) Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in upgradient plume area (cont.)						
SB65S	MUSB65S-W-22919	5/8/08	23.7-38.7	ND	ND	ND
SB65S	MUSB65S-W-19181	7/24/08	23.7-38.7	0.9 J	ND	ND
SB65D	MU65D-W-18309	7/18/05	38.0-53.0	201	1.0	ND
SB65D	MUSB65D-W-15733	4/13/06	38.0-53.0	582	3.6	ND
SB65D	MUSB65D-W-18175	8/23/06	38.0-53.0	595	4.9	ND
SB65D	MUSB65D-W-18210	4/13/07	38.0-53.0	457	2.7	ND
SB65D	MUSB65D-W-22857	7/25/07	38.0-53.0	122	ND[c]	ND
SB65D	MUSB65D-W-22920	5/8/08	38.0-53.0	3.1	ND	ND
SB65D	MUSB65D-W-19182	7/24/08	38.0-53.0	3.1	ND	ND
GWEXTEST1	MUTEST1-W-18311	7/18/05	60.0-65.0	81	49	ND
GWEXTEST1	MUTEST1-W-18125	4/13/06	60.0-65.0	79	24	ND
GWEXTEST1	MUTST1-W-18177	8/23/06	60.0-65.0	84	24	0.4 J
GWEXTEST1	MUGWEXTEST1-W-18214	4/13/07	60.0-65.0	138	18	ND
GWEXTEST1	MUGWTXT-W-22862	7/25/07	60.0-65.0	187	14	ND
GWEXTEST1	MUGWEXTEST1-W-22921	5/8/08	60.0-65.0	361	17	ND
GWEXTEST1	MUTEST1-W-19180	7/26/08	60.0-65.0	457	16	ND

[a] Qualifier J indicates an estimated concentration below the method quantitation limit of 1.0 µg/L.

[b] ND, not detected at instrument detection limit of 0.1 µg/L.

[c] No analysis at dilution to detect chloroform.

TABLE 4.7 Geochemical parameters measured in water samples collected from monitoring wells at Murdock, 2005-2008.

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron II (mg/L)	Oxidation-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen[a] (mg/L)
Monitoring wells in phytoremediation treatment area										
PMW1S	MUPMW1S-W-18318	7/19/05	4.6-14.6	19.8	6.45	463	NR[b]	NR	NR	NA[c]
PMW1S	MUPMW1S-W-15720	4/6/06	4.6-14.6	10.7	6.81	470	8.29	0.09	177	15.4
PMW1S	MUPMW1S-W-18168	8/17/06	4.6-14.6	18.7	6.68	377	0.13	0.07	27	1.98
PMW1S	MUPMW1S-W-18205	4/12/07	4.6-14.6	8.9	7.05	328	2.71	0.10	311	4.40
PMW1S	MUPMW1S-W-22846	7/24/07	4.6-14.6	16.6	6.33	442	6.01	0.01	73	9.50
PMW1S	MUPMW1S-W-22923	5/8/08	4.6-14.6	13.1	6.74	486	6.65	0.02	121	11.0
PMW1S	MUPMW1S-W-19183	7/22/08	4.6-14.6	15.6	6.21	473	6.27	0.11	149	8.20
PMW1D	MUPMW1D-W-18313	7/19/05	24.6-34.6	14.6	6.58	416	8.31	0.00	215	3.84
PMW1D	MUPMW1D-W-15721	4/6/06	24.6-34.6	12.2	6.74	430	8.04	0.12	188	4.25
PMW1D	MUPMW1D-W-18166	8/17/06	24.6-34.6	14.9	6.42	403	7.17	0.15	84	4.23
PMW1D	MUPMW1D-W-18206	4/12/07	24.6-34.6	10.4	6.76	446	3.86	0.00	210	4.90
PMW1D	MUPMW1D-W-22845	7/24/07	24.6-34.6	15.8	6.27	494	7.91	0.06	65	5.90
PMW1D	MUPMW1D-W-22924	5/8/08	24.6-34.6	14.0	6.67	457	6.44	0.01	186	5.40
PMW1D	MUPMW1D-W-19184	7/22/08	24.6-34.6	15.9	6.19	509	6.81	0.12	144	4.50
PMW2SA	MUPMW2SA-W-15717	4/6/06	4.6-14.6	10.0	6.87	439	8.91	0.09	189	8.28
PMW2SA	MUPMW2SA-W-18163	8/17/06	4.6-14.6	17.8	6.42	443	5.62	0.06	96	7.45
PMW2SA	MUPMW2SA-W-18196	4/12/07	4.6-14.6	9.6	6.90	511	4.44	0.33	276	13.0
PMW2SA	MUPMW2SA-W-22839	7/23/07	4.6-14.6	16.5	6.44	416	9.48	0.20	188	5.80
PMW2SA	MUPMW2SA-W-22925	5/12/08	4.6-14.6	12.8	6.29	547	6.07	0.03	234	6.10
PMW2SA	MUPMW2SA-W-19185	7/23/08	4.6-14.6	14.4	6.15	619	6.35	0.21	224	6.40
PMW2SB	MUPMW2SB-W-18334	7/21/05	4.6-14.6	16.0	6.54	540	7.67	0.55	NR	13.0
PMW2SB	MUPMW2SB-W-18194	4/12/07	4.6-14.6	9.5	6.84	521	5.60	1.14	289	14.0
PMW2D	MUPMW2D-W-18314	7/19/05	19.6-29.6	12.0	6.56	500	8.36	0.00	220	4.48
PMW2D	MUPMW2D-W-15718	4/6/06	19.6-29.6	11.8	6.68	435	7.26	0.13	202	5.75
PMW2D	MUPMW2D-W-18164	8/17/06	19.6-29.6	14.9	6.40	461	7.00	0.23	73	5.45
PMW2D	MUPMW2D-W-18193	4/12/07	19.6-29.6	10.2	6.78	444	3.75	0.13	296	7.50
PMW2D	MUPMW2D-W-22841	7/23/07	19.6-29.6	17.8	6.43	454	8.94	0.10	114	5.50
PMW2D	MUPMW2D-W-22926	5/12/08	19.6-29.6	13.8	6.68	579	6.36	0.07	219	7.50
PMW2D	MUPMW2D-W-19186	7/23/08	19.6-29.6	15.0	6.10	544	6.27	0.19	226	7.10

TABLE 4.7 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron II (mg/L)	Oxidation-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen[a] (mg/L)
Monitoring wells in phytoremediation treatment area (cont.)										
PMW3S	MUPMW3S-W-18331	7/21/05	4.5-14.5	13.0	6.16	407	8.17	0.20	NR	6.12
PMW3S	MUPMW3S-W-15673	4/5/06	4.5-14.5	10.6	6.45	419	8.49	1.51	207	8.80
PMW3S	MUPMW3S-W-18159	8/15/06	4.5-14.5	15.8	6.96	403	7.48	0.13	72	6.20
PMW3S	MUPMW3S-W-18201	4/12/07	4.5-14.5	10.6	6.75	432	5.18	0.23	265	9.00
PMW3S	MUPMW3S-W-22834	7/23/07	4.5-14.5	14.0	6.25	528	7.57	0.00	115	5.50
PMW3S	MUPMW3S-W-22927	5/13/08	4.5-14.5	11.7	6.62	522	6.80	0.00	222	7.30
PMW3S	MUPMW3S-W-19187	7/23/08	4.5-14.5	12.1	6.27	511	6.56	0.11	233	6.90
PMW3D	MUPMW3D-W-18316	7/19/05	19.5-24.5	12.1	6.44	595	7.17	0.00	215	5.06
PMW3D	MUPMW3D-W-15671	4/5/06	19.5-24.5	11.6	6.86	638	5.13	0.00	196	5.76
PMW3D	MUPMW3D-W-18161	8/15/06	19.5-24.5	14.0	7.32	620	5.01	0.15	77	5.45
PMW3D	MUPMW3D-W-18202	4/12/07	19.5-24.5	10.8	7.03	646	2.40	0.16	279	6.30
PMW3D	MUPMW3D-W-22833	7/23/07	19.5-24.5	18.7	6.07	586	6.14	0.17	62	5.80
PMW3D	MUPMW3D-W-22928	5/13/08	19.5-24.5	11.9	6.81	607	6.45	0.02	230	6.80
PMW3D	MUPMW3D-W-19188	7/23/08	19.5-24.5	12.7	6.23	592	6.65	0.16	218	5.10
PMW4	MUPMW4-W-18321	7/20/05	19.5-24.5	13.0	6.36	395	7.97	NR	210	9.08
PMW4	MUPMW4-W-15728	4/10/06	19.5-24.5	11.3	6.80	411	8.05	0.31	207	9.98
PMW4	MUPMW4-W-18346	8/21/06	19.5-24.5	14.9	6.37	410	2.97	0.05	102	11.8
PMW4	MUPMW4-W-18188	4/9/07	19.5-24.5	11.2	6.86	429	2.01	0.04	235	11.0
PMW4	MUPMW4-W-22849	7/24/07	19.5-24.5	20.2	6.27	379	3.02	0.33	72	10.0
PMW4	MUPMW4-W-22929	5/12/08	19.5-24.5	16.8	6.53	423	2.86	0.00	187	19.0
PMW4	MUPMW4-W-19189	7/21/08	19.5-24.5	16.8	6.17	377	3.44	0.00	139	6.80
PMW5	MUPMW5-W-18322	7/20/05	4.5-14.5	14.6	6.56	520	6.74	0.00	NR	4.58
PMW5	MUPMW5-W-15727	4/10/06	4.5-14.5	10.2	6.86	591	7.16	0.26	191	5.17
PMW5	MUPMW5-W-18347	8/21/06	4.5-14.5	16.6	6.58	572	6.42	0.38	86	5.02
PMW5	MUPMW5-W-18204	4/12/07	4.5-14.5	9.7	6.96	587	5.14	0.44	301	5.20
PMW5	MUPMW5-W-22850	7/24/07	4.5-14.5	18.2	6.52	491	7.36	0.01	58	4.80
PMW5	MUPMW5-W-22930	5/12/08	4.5-14.5	15.5	6.64	482	9.28	0.05	157	5.60
PMW5	MUPMW5-W-19190	7/21/08	4.5-14.5	17.2	5.44	479	5.44	0.19	199	4.50

TABLE 4.7 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron II (mg/L)	Oxidation-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen[a] (mg/L)
Monitoring wells in phytoremediation treatment area (cont.)										
PMW6	MUPMW6-W-18333	7/21/05	4.5-14.5	18.4	6.52	884	NR	NR	NR	NA
PMW6	MUPMW6-W-15724	4/10/06	4.5-14.5	10.7	6.72	863	5.15	0.17	222	10.7
PMW6	MUPMW6-W-18174	8/23/06	4.5-14.5	17.3	6.58	835	3.16	0.82	68	9.33
PMW6	MUPMW6-W-18190	4/10/07	4.5-14.5	8.4	7.03	792	4.04	0.00	83	16.0
PMW6	MUPMW6-W-22853	7/24/07	4.5-14.5	15.7	6.34	808	7.15	0.20	49	12.0
PMW6	MUPMW6-W-22931	5/12/08	4.5-14.5	14.6	6.65	962	8.85	0.04	194	18.0
PMW6	MUPMW6-W-19191	7/22/08	4.5-14.5	16.1	5.43	1067	4.18	0.13	254	13.0
PMW7	MUPMW7-W-18332	7/21/05	14.5-19.5	14.6	6.31	691	NR	NR	NR	NA
PMW7	MUPMW7-W-15722	4/10/06	14.5-19.5	11.3	6.36	604	8.65	0.00	174	10.8
PMW7	MUPMW7-W-18172	8/23/06	14.5-19.5	13.9	6.41	642	9.26	0.07	96	14.9
PMW7	MUPMW7-W-18192	4/10/07	14.5-19.5	9.0	7.12	695	6.28	0.06	160	18.0
PMW7	MUPMW7-W-22854	7/24/07	14.5-19.5	15.7	6.43	640	8.50	0.00	114	15.0
PMW7	MUPMW7-W-22932	5/12/08	14.5-19.5	14.4	6.63	837	7.15	0.02	162	17.0
PMW7	MUPMW7-W-19192	7/22/08	14.5-19.5	16.5	5.86	855	3.26	0.11	188	14.0
PMW8	MUPMW8-W-18323	7/20/05	4.5-14.5	15.8	6.46	418	2.79	0.60	NR	4.63
PMW8	MUPMW8-W-15726	4/10/06	4.5-14.5	10.1	6.82	435	5.42	0.07	181	5.37
PMW8	MUPMW8-W-18169	8/21/06	4.5-14.5	16.2	6.52	425	5.93	0.00	100	6.43
PMW8	MUPMW8-W-18189	4/9/07	4.5-14.5	9.1	6.91	453	3.73	0.03	147	5.90
PMW8	MUPMW8-W-22851	7/24/07	4.5-14.5	17.3	6.41	417	7.08	0.08	138	9.30
PMW8	MUPMW8-W-22933	5/12/08	4.5-14.5	11.2	6.59	417	3.75	0.09	99	3.80
PMW8	MUPMW8-W-19193	7/21/08	4.5-14.5	15.6	5.31	479	6.31	0.12	279	8.30
PMW9S	MUPMW9S-W-18328	7/20/05	5.0-9.0	21.3	6.41	508	NR	NR	NR	NA
PMW9S	MUPMW9S-W-15712	4/5/06	5.0-9.0	10.1	6.87	474	5.36	0.13	203	12.3
PMW9S	MUPMW9S-W-17206	8/16/06	5.0-9.0	19.5	6.30	454	4.54	0.05	111	11.2
PMW9S	MUPMW9S-W-18197	4/12/07	5.0-9.0	8.5	6.79	542	2.41	0.02	251	15.0
PMW9S	MUPMW9S-W-22837	7/23/07	5.0-9.0	19.6	6.32	466	1.34	0.00	120	12.0
PMW9S	MUPMW9S-W-22934	5/12/08	5.0-9.0	10.4	6.48	474	3.16	0.00	195	14.0
PMW9S	MUPMW9S-W-19194	7/23/08	5.0-9.0	17.0	5.16	493	3.70	0.16	266	12.0
PMW9M	MUPMW9M-W-18329	7/20/05	11.0-15.0	14.8	6.24	466	NR	NR	NR	NA
PMW9M	MUPMW9M-W-15674	4/5/06	11.0-15.0	10.3	6.62	502	4.55	0.06	206	12.3

TABLE 4.7 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron II (mg/L)	Oxidation-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen[a] (mg/L)
Monitoring wells in phytoremediation treatment area (cont.)										
PMW9M	MUPMW9M-W-17207	8/16/06	11.0-15.0	16.2	6.41	461	4.19	0.12	203	12.7
PMW9M	MUPMW9M-W-18200	4/12/07	11.0-15.0	9.6	6.81	521	3.51	0.00	275	14.0
PMW9M	MUPMW9M-W-22835	7/23/07	11.0-15.0	19.8	6.33	448	4.85	0.20	102	13.0
PMW9M	MUPMW9M-W-22935	5/12/08	11.0-15.0	11.0	6.51	492	5.40	0.01	215	14.0
PMW9M	MUPMW9M-W-19195	7/23/08	11.0-15.0	11.1	6.24	506	5.14	0.12	233	12.0
PMW9D	MUPMW9D-W-18315	7/20/05	19.5-29.5	25.1	7.13	643	NR	NR	NR	3.85
PMW9D	MUPMW9D-W-15713	4/6/06	19.5-29.5	12.0	7.23	646	3.52	0.00	189	0.17
PMW9D	MUPMW9D-W-18345	8/16/06	19.5-29.5	14.9	7.06	659	3.48	0.09	177	2.25
PMW9D	MUPMW9D-W-18198	4/12/07	19.5-29.5	8.7	7.38	674	0.07	0.47	318	0.95
PMW9D	MUPMW9D-W-22842	7/23/07	19.5-29.5	NR	NR	NR	1.10	0.09	23	2.40
PMW9D	MUPMW9D-W-22936	5/13/08	19.5-29.5	11.5	7.39	678	0.78	0.17	184	ND
PMW9D	MUPMW9D-W-19196	7/23/08	19.5-29.5	16.6	7.02	711	0.28	0.24	26	0.13
W103	MU578-W-18260	7/19/05	2.9-5.0	24.5	6.57	4100	NR	NR	NR	NA
W103	MUW103-W-17200	4/13/06	2.9-5.0	12.5	6.66	2860	NR	NR	NR	13.1
W103	MUW103-W-18182	8/24/06	2.9-5.0	25.3	6.79	3450	NR	3.30	-145	0.143
W103	MUW103-W-18208	4/12/07	2.9-5.0	8.2	7.24	733	0.86	1.75	57	2.00
W103	MUW103-W-22867	8/2/07	2.9-5.0	22.2	6.44	1492	0.67	2.52	-167	0.12
W103	MUW103-W-22937	5/13/08	2.9-5.0	13.9	6.89	2544	2.47	NR	-132	0.13
W103	MUW103-W-19197	7/26/08	2.9-5.0	19.4	6.26	1227	0.22	0.00	-101	1.50
W410	MUW410-W-18127	4/13/06	2.5-4.9	NR	NR	NR	NR	NR	NR	NA
W410	MUW410-W-22872	8/2/07	2.5-4.9	23.8	6.29	1048	0.10	3.30	-100	0.54
W410	MUW410-W-22938	5/13/08	2.5-4.9	13.5	6.80	918	4.78	1.23	-41	4.10
W410	MUW410-W-19198	7/26/08	2.5-4.9	17.5	6.47	1603	0.14	2.10	-120	1.50
Monitoring wells in upgradient plume area										
2S	MU2S-W-18308	7/18/05	70.5-80.5	16.3	6.20	552	6.76	0.00	275	5.00
2S	MUS2-W-17202	4/18/06	70.5-80.5	13.4	6.43	566	6.48	0.00	61	5.16
2S	MUS2-W-18179	8/24/06	70.5-80.5	16.5	6.30	552	6.32	0.15	141	4.18
2S	MU2S-W-18213	4/13/07	70.5-80.5	13.9	6.65	568	4.06	0.05	279	5.70
2S	MU2S-W-22861	7/25/07	70.5-80.5	16.7	6.24	550	6.19	0.06	74	5.10

TABLE 4.7 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron II (mg/L)	Oxidation-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen[a] (mg/L)
Monitoring wells in upgradient plume area (cont.)										
2S	MU2S-W-22917	5/8/08	70.5-80.5	15.2	6.49	568	7.30	0.00	156	5.40
2S	MUS2-W-19178	7/24/08	70.5-80.5	18.5	6.35	615	4.12	0.09	163	6.10
2D	MUD2-W-18344	7/22/05	85.0-95.0	Dry	Dry	Dry	Dry	Dry	Dry	Dry
2D	MUD2-W-17201	4/17/06	85.0-95.0	13.1	8.21	481	0.95	0.12	140	1.64
2D	MUD2-W-18181	8/24/06	85.0-95.0	21.2	6.92	598	6.69	0.33	113	2.61
2D	MU2D-W-18212	4/13/07	85.0-95.0	14.9	9.17	260	0.10	0.14	140	4.40
2D	MU2D-W-22859	7/25/07	85.0-95.0	22.8	6.88	609	0.86	0.00	116	4.90
2D	MU2D-W-22918	5/8/08	85.0-95.0	16.8	8.46	577	1.76	0.03	136	1.20
2D	MUD2-W-19179	7/24/08	85.0-95.0	19.5	8.27	546	0.40	0.08	-6	0.75
SB65S	MUSB65S-W-18335	7/21/05	23.7-38.7	15.3	6.28	403	NR	NR	NR	NA
SB65S	MUSB65S-W-15732	4/13/06	23.7-38.7	12.5	6.59	371	7.24	0.00	228	9.17
SB65S	MUSB65S-W-18176	8/23/06	23.7-38.7	17.7	6.18	403	7.17	0.17	120	9.98
SB65S	MUSB65S-W-18209	4/13/07	23.7-38.7	12.9	6.49	401	3.85	0.00	318	8.50
SB65S	MUSB65S-W-22855	7/25/07	23.7-38.7	18.3	5.93	331	6.29	0.10	111	13.0
SB65S	MUSB65S-W-22919	5/8/08	23.7-38.7	14.2	6.26	371	6.70	0.00	208	16.0
SB65S	MUSB65S-W-19181	7/24/08	23.7-38.7	15.5	5.79	382	6.74	0.13	231	16.0
SB65D	MU65D-W-18309	7/18/05	38.0-53.0	15.1	6.28	510	8.76	0.00	235	4.74
SB65D	MUSB65D-W-15733	4/13/06	38.0-53.0	16.2	6.59	494	NR	NR	203	5.96
SB65D	MUSB65D-W-18175	8/23/06	38.0-53.0	17.2	6.51	489	8.06	0.00	102	5.67
SB65D	MUSB65D-W-18210	4/13/07	38.0-53.0	13.4	6.70	514	2.16	0.00	248	5.50
SB65D	MUSB65D-W-22857	7/25/07	38.0-53.0	16.9	6.33	493	5.62	0.05	169	5.70
SB65D	MUSB65D-W-22920	5/8/08	38.0-53.0	14.1	6.60	444	6.03	0.13	125	5.30
SB65D	MUSB65D-W-19182	7/24/08	38.0-53.0	14.6	6.14	452	5.89	0.13	188	4.10
GWEXTEST1	MUTEST1-W-18311	7/18/05	60.0-65.0	12.7	6.56	663	5.14	NR	245	6.13
GWEXTEST1	MUTEST1-W-18125	4/13/06	60.0-65.0	16.0	6.71	631	NR	NR	NR	7.12
GWEXTEST1	MUTST1-W-18177	8/23/06	60.0-65.0	16.5	6.61	616	6.82	0.02	126	7.15
GWEXTEST1	MUGWEXTEST1-W-18214	4/13/07	60.0-65.0	14.1	4.48	647	2.70	0.10	286	8.30
GWEXTEST1	MUGWTXT-W-22862	7/25/07	60.0-65.0	16.4	6.45	615	6.43	0.11	244	7.30
GWEXTEST1	MUGWEXTEST1-W-22921	5/8/08	60.0-65.0	11.8	7.45	579	8.04	0.00	178	6.40
GWEXTEST1	MUTEST1-W-19180	7/26/08	60.0-65.0	16.5	7.00	592	4.43	0.03	85	6.40

TABLE 4.7 (Cont.)

[a] July 2005 samples were analyzed for nitrate as nitrogen.

[b] NR, not recorded.

[c] NA, not analyzed.

TABLE 4.8 Analytical results for volatile organic compounds in surface water samples collected at Murdock, 2005-2008.

			Concentration (µg/L)		
Location	Sample	Sample Date	Carbon Tetrachloride	Chloroform	Methylene Chloride
SWM1	MUSWM1-W-15730	4/10/06	151	8.3	0.4 J
SWM1	MUSWM1-W-18147	8/14/06	380	6.3	ND
SWM1	MUSWM1-W-15724	11/8/06	259	12	1.6
SWM1	MUSWM1-W-18184	2/23/07	237	12	ND
SWM1	MUSWM1-W-18250	4/18/07	149	8.5	ND
SWM1	MUSWM1-W-22863	8/1/07	77	1.9	ND
SWM1	MUSWM1-W-18954	11/8/07	52	1.4	ND
SWM1	MUSWM1-W-19101	2/13/08	100	5.9	ND
SWM1	MUSWM1-W-22912	5/5/08	45	1.5	ND
SWM1	MUSWM1-W-19199	7/21/08	20	0.5 J	ND
SWM1	MUSWM1-W-27026	12/2/08	25	0.8 J	ND
SWM2	MUSWM2-W-15729	4/10/06	3.6	0.4 J	ND
SWM2	MUSWM2-W-18148	8/14/06	1.4	0.2 J	ND
SWM2	MUSWM2-W-15725	11/8/06	6.1	0.6 J	ND
SWM2	MUSWM2-W-18185	2/23/07	7.5	0.6 J	ND
SWM2	MUSWM2-W-18251	4/18/07	3.5	0.4 J	ND
SWM2	MUSWM2-W-22865	8/1/07	4.4	0.3 J	ND
SWM2	MUSWM2-W-18956	11/8/07	19	0.7 J	ND
SWM2	MUSWM2-W-19102	2/13/08	9.0	0.8 J	ND
SWM2	MUSWM2-W-22914	5/5/08	3.6	0.3 J	ND
SWM2	MUSWM2-W-19200	7/21/08	4.6	0.2 J	ND
SWM2	MUSWM2-W-27027	12/2/08	7.7	0.3 J	ND
SWM3	MU-W-15670	10/19/05	ND	ND	ND
SWM3	MUSWM3-W-15731	4/10/06	ND	ND	ND
SWM3	MUSWM3-W-18149	8/14/06	ND	ND	ND
SWM3	MUSWM3-W-15726	11/8/06	0.7 J	ND	ND
SWM3	MUSWM3-W-18186	2/23/07	2.4	0.2 J	ND
SWM3	MUSWM3-W-18252	4/18/07	0.3 J	ND	ND
SWM3	MUSWM3-W-22866	8/1/07	1.0	ND	ND
SWM3	MUSWM3-W-18957	11/8/07	4.4	ND	ND
SWM3	MUSWM3-W-19103	2/13/08	2.9	ND	ND
SWM3	MUSWM3-W-22915	5/5/08	1.0	ND	ND
SWM3	MUSWM3-W-19201	7/21/08	1.2	ND	ND
SWM3	MUSWM3-W-27028	12/2/08	2.1	ND	ND

[a] Qualifier J indicates an estimated concentration below the method quantitation limit of 1.0 µg/L.

[b] ND, not detected at instrument detection limit of 0.1 µg/L.

TABLE 4.9 Analytical results for volatile organic compounds in ambient air at Murdock in 2006-2008.

			Concentration (µg/m³)																				
Location	Sample	Sample Date	Carbon Tetrachloride	Chloroform	Dichloromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	2-Butanone	2-Chlorotoluene	4-Ethyltoluene	Acetone	Benzene	Carbon Disulfide	Chloromethane	Cyclohexane	Dichlorodifluoromethane	Ethylbenzene	Hexane	Toluene	n-Heptane	Trichlorofluoromethane	Xylene (total)
Detection Limit			1.3	0.98	1.7	0.98	0.98	0.93	1.5	1.0	0.98	12	0.64	1.6	1.0	0.69	2.5	0.87	1.8	0.75	0.82	1.1	0.87
Location AA1																							
AA1	MUAA1-G-15785	5/17/06	–	–	–	–	–	–	–	–	–	–	–	–	1.4	–	3.3	–	–	0.94	–	1.6	–
AA1	MUAA1-G-15786	5/18/06	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	3.4	–	–	0.9	–	1.7	–
AA1	MUAA1-G-15787	5/19/06	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	3.2	–	–	1.8	–	1.5	–
AA1	MUAA1-G-18138	8/14/06	–	–	–	–	–	1.1	2.1	–	–	15	1.2	–	1.4	–	3.2	–	–	4.5	–	1.5	2.3
AA1	MUAA1-G-18139	8/15/06	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	3.4	–	–	0.75	–	1.6	–
AA1	MUAA1-G-18140	8/16/06	–	–	–	–	–	–	2.8	–	–	15	–	1.6	1.9	–	3.8	–	–	1.6	–	1.7	–
AA1	MUAA1-G-18170	8/23/06	–	–	–	–	–	–	3.8	–	–	36	–	–	1.8	–	3.8	–	–	0.87	–	1.6	–
AA1	MUAA1-G-18241	4/17/07	–	–	–	–	–	–	1.8	–	–	15	–	–	1.2	–	2.5	–	–	–	–	1.2	–
AA1	MUAA1-G-18242	4/18/07	–	–	–	–	–	–	1.6	–	–	14	–	–	1.3	–	2.6	–	–	–	–	1.2	–
AA1	MUAA1-G-18243	4/19/07	–	–	–	–	–	–	3.8	–	–	31	–	–	1.4	–	2.7	–	–	–	–	1.2	–
AA1	MUAA1-G-22229	7/23/07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.1	–
AA1	MUAA1-G-22230	7/24/07	–	–	–	–	–	–	2.4	–	–	16	–	–	1.1	–	–	–	–	–	–	1.2	–
AA1	MUAA1-G-22231	7/25/07	–	–	–	–	–	–	2.9	3.2	–	14	–	5.9	2.9	–	3.0	–	–	–	–	1.2	–
AA1	MUAA1-G-22944	5/13/08	2.0	–	–	–	–	–	–	–	–	–	–	–	1.3	–	2.9	–	–	–	–	1.3	–
AA1	MUAA1-G-22948	5/14/08	2.3	–	–	–	–	–	3.2	–	–	15	–	–	1.3	–	2.9	–	–	–	–	1.2	–
AA1	MUAA1-G-22952	5/15/08	4.3	–	–	–	–	–	–	–	–	–	–	3.1	1.1	–	3.0	–	–	1.2	–	1.4	–
AA1	MUAA1-G-19230	7/22/08	–	–	–	2.0	–	4.1	3.8	–	2.0	26	7.3	–	1.2	2.3	–	3.2	7.0	24	2.7	2.2	13
AA1	MUAA1-G-19231	7/23/08	2.3	–	–	–	–	–	–	–	–	–	0.7	–	1.2	–	–	–	–	2.0	–	1.2	–
AA1	MUAA1-G-19232	7/24/08	2.5	–	–	–	–	–	1.6	–	–	–	–	–	1.2	–	–	–	–	1.0	–	–	–
Location AA2																							
AA2	MUAA2-G-15791	5/17/06	–	–	–	–	–	–	–	–	–	–	–	–	1.8	–	3.6	–	–	2.5	–	1.7	–
AA2	MUAA2-G-15792	5/18/06	1.4	–	–	–	–	–	–	–	–	–	–	–	1.6	–	3.6	–	–	0.94	–	1.7	–
AA2	MUAA2-G-15793	5/19/06	–	–	–	–	–	–	–	–	–	–	–	–	1.8	–	3.5	–	–	1.8	–	1.7	–
AA2	MUAA2-G-18144	8/14/06	–	–	–	1.7	–	1.1	–	–	1.4	22	1.2	–	1.6	–	3.7	1.7	–	5.7	–	1.6	6.9
AA2	MUAA2-G-18145	8/15/06	–	–	–	–	–	–	–	–	–	–	–	–	1.6	–	3.7	–	–	–	–	1.6	–
AA2	MUAA2-G-18146	8/16/06	–	–	–	–	–	–	2.3	–	–	19	–	–	1.8	–	3.7	–	–	0.9	–	1.7	–
AA2	MUAA2-G-18171	8/23/06	–	–	–	–	–	–	4.1	–	–	38	–	–	1.9	–	3.9	–	–	0.79	–	1.7	–
AA2	MUAA2-G-18247	4/17/07	–	–	–	–	–	–	2.3	–	–	20	–	–	1.3	–	2.6	–	–	–	–	1.2	–
AA2	MUAA2-G-18248	4/18/07	–	–	–	–	–	–	–	–	–	–	–	–	1.3	–	–	–	–	–	–	1.1	–
AA2	MUAA2-G-18249	4/19/07	–	–	–	–	–	–	–	–	–	–	–	–	1.1	–	–	–	–	1.1	–	1.2	–
AA2	MUAA2-G-22235	7/23/07	–	–	–	–	–	–	2.1	–	–	13	–	–	1.1	–	–	–	–	–	–	1.1	–
AA2	MUAA2-G-22236	7/24/07	–	–	–	–	–	–	–	–	–	–	–	–	1.1	–	–	–	–	–	–	1.1	–
AA2	MUAA2-G-22237	7/25/07	–	–	–	–	–	–	1.6	–	–	–	–	–	1.4	–	3.0	–	–	–	–	1.2	–
AA2	MUAA2-G-22945	5/13/08	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.8	–	–	–	–	1.2	–
AA2	MUAA2-G-22949	5/14/08	–	–	–	–	–	–	–	–	–	–	–	–	1.3	–	2.9	–	–	0.75	–	1.2	–
AA2	MUAA2-G-22953	5/15/08	1.4	–	–	–	–	–	–	–	–	–	–	8.1	1.5	–	2.8	–	–	1.5	–	1.2	–
AA2	MUAA2-G-19233	7/22/08	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.5	–	–	1.4	–	1.2	–
AA2	MUAA2-G-19234	7/23/08	–	–	–	–	–	–	–	–	–	–	–	–	1.1	–	–	–	–	0.83	–	1.1	–
AA2	MUAA2-G-19235	7/24/08	–	–	–	3.9	1.2	5.6	4.7	–	3.4	20	8.9	–	1.1	1.7	–	4.3	8.1	29	3.1	2.3	20

TABLE 4.9 (Cont.)

Location	Sample	Sample Date	Carbon Tetrachloride	Chloroform	Dichloromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	2-Butanone	2-Chlorotoluene	4-Ethyltoluene	Acetone	Benzene	Carbon Disulfide	Chloromethane	Cyclohexane	Dichlorodifluoromethane	Ethylbenzene	Hexane	Toluene	n-Heptane	Trichlorofluoromethane	Xylene (total)
			Concentration (µg/m^3)																				
Detection Limit			1.3	0.98	1.7	0.98	0.98	0.93	1.5	1.0	0.98	12	0.64	1.6	1.0	0.69	2.5	0.87	1.8	0.75	0.82	1.1	0.87
Location AA3																							
AA3	MUAA3-G-15788	5/17/06	–	–	–	–	–	–	–	–	–	–	–	–	1.7	–	3.3	–	–	1.2	–	1.6	–
AA3	MUAA3-G-15789	5/18/06	–	–	–	–	–	–	–	–	–	–	–	–	1.4	–	3.2	–	–	0.87	–	1.5	–
AA3	MUAA3-G-15790	5/19/06	–	–	–	–	–	–	1.5	–	–	–	0.77	–	2.0	–	3.9	–	–	3.4	–	2	–
AA3	MUAA3-G-18141	8/14/06	–	–	–	–	–	–	–	–	–	–	–	–	1.6	–	3.5	–	–	1.3	–	1.6	–
AA3	MUAA3-G-18142	8/15/06	–	–	–	–	–	–	–	–	–	–	–	–	1.7	–	3.7	–	–	0.9	–	1.8	–
AA3	MUAA3-G-18143	8/16/06	2.5 U[a]	2 U	3.5 U	2 U	–	1.9 U	27	–	2 U	170	1.3 U	3.1 U	4.3	–	4.9 U	1.7 U	–	1.5 U	2.5	2.2 U	1.7 U
AA3	MUAA3-G-18244	4/17/07	–	–	–	–	–	–	1.9	–	–	13	0.73	–	1.2	–	2.9	–	–	1.9	–	1.3	–
AA3	MUAA3-G-18245	4/18/07	–	–	–	–	–	–	–	–	–	15	–	–	1.3	–	2.7	–	–	–	–	1.2	–
AA3	MUAA3-G-18246	4/19/07	–	–	–	–	–	–	6.2	–	–	33	–		1.1	–	–	–	–	–	–	1.1	–
AA3	MUAA3-G-22232	7/23/07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–
AA3	MUAA3-G-22233	7/24/07	–	–	–	–	–	–	1.5	–	–	17	–	–	1.1	–	–	–	–	–	–	1.1	–
AA3	MUAA3-G-22234	7/25/07	–	–	–	–	–	–	1.9	–	–	13	–	–	1.3	–	3.0	–	–	–	–	1.1	–
AA3	MUAA3-G-22946	5/13/08	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.8	–	–	–	–	1.2	–
AA3	MUAA3-G-22950	5/14/08	1.5	–	–	–	–	–	–	–	–	–	–	–	1.2	–	3.1	–	–	–	–	1.3	–
AA3	MUAA3-G-22954	5/15/08	–	–	–	–	–	–	–	–	–	–	–	34	1.2	–	2.8	–	–	5.7	–	1.2	–
AA3	MUAA3-G-19236	7/22/08	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.5	–	–	2.0	–	1.2	–
AA3	MUAA3-G-19237	7/23/08	–	–	–	–	–	1.4	2.0	–	–	–	2.5	–	1.1	–	–	1.1	2.1	7.2	–	1.4	4.8
AA3	MUAA3-G-19238	7/24/08	–	–	–	0.98	–	1.5	2.1	–	0.98	–	2.5	–	1.1	–	–	1.4	2.3	7.9	0.82	1.4	6.1
Location BA1																							
BA1	MUBA1-G-17203	5/17/06	–	–	2.0	–	–	–	–	–	–	–	–	–	1.6	–	3.6	–	–	1.0	–	1.7	–
BA1	MUBA1-G-17204	5/18/06	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	3.2	–	–	1.9	–	1.3	–
BA1	MUBA1-G-17205	5/19/06	–	–	–	–	–	–	1.7	–	–	18	–	–	2.1	–	3.4	–	–	1.7	–	1.6	–
BA1	MUBA1-G-18135	8/14/06	–	–	–	–	–	–	7.7	–	–	50	–	–	1.4	–	3.0	–	–	1.2	–	1.5	–
BA1	MUBA1-G-18136	8/15/06	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	3.3	–	–	0.87	–	1.6	–
BA1	MUBA1-G-18137	8/16/06	–	–	–	–	–	–	1.5	–	–	13	–	–	1.7	–	3.5	–	–	–	–	1.6	–
BA1	MUBA1-G-18238	4/17/07	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.5	–	–	1.1	–	1.1	–
BA1	MUBA1-G-18239	4/18/07	–	–	–	–	–	–	–	–	–	16	–	–	1.3	–	2.8	–	–	–	–	1.3	–
BA1	MUBA1-G-18240	4/19/07	–	–	–	–	–	–	–	–	–	–	–	–	1.3	–	2.6	–	–	–	–	1.2	–
BA1	MUBA1-G-22226	7/23/07	–	–	–	–	–	–	2.9	–	–	18	–	–	1.0	–	–	–	–	–	–	1.1	–
BA1	MUBA1-G-22227	7/24/07	–	–	–	–	–	–	1.5	–	–	16	–	–	1.1	–	–	–	–	–	–	1.2	–
BA1	MUBA1-G-22228	7/25/07	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.8	–	–	–	–	1.1	–
BA1	MUBA1-G-22943	5/13/08	–	–	–	–	–	–	–	–	–	–	–	–	1.1	–	2.5	–	–	1.3	–	1.2	–
BA1	MUBA1-G-22947	5/14/08	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	2.8	–	–	–	–	1.2	–
BA1	MUBA1-G-22951	5/15/08	–	–	–	–	–	–	–	–	–	–	0.8	69	1.4	–	3.3	–	–	9.0	–	1.5	–
BA1	MUBA1-G-19227	7/22/08	–	–	–	–	–	–	2.3	–	–	24	–	–	1.1	–	–	–	–	0.9	–	–	–
BA1	MUBA1-G-19228	7/23/08	–	–	–	1.7	–	2.3	5.6	–	1.5	31	4.2	–	1.2	0.86	–	1.9	3.5	13	1.5	1.7	8.7
BA1	MUBA1-G-19229	7/24/08	–	–	–	–	–	1.4	2.6	–	–	12	2.6	–	1.1	–	–	1.8	2.2	8.3	0.82	1.5	11

[a] U, not detected at indicated reporting limit. Apparent elevation in concentration is due to dilution of the sample to quantify other constituents.

FIGURE 4.1 Weather station in old location (May 2008; top) and new location (July 2008; bottom).

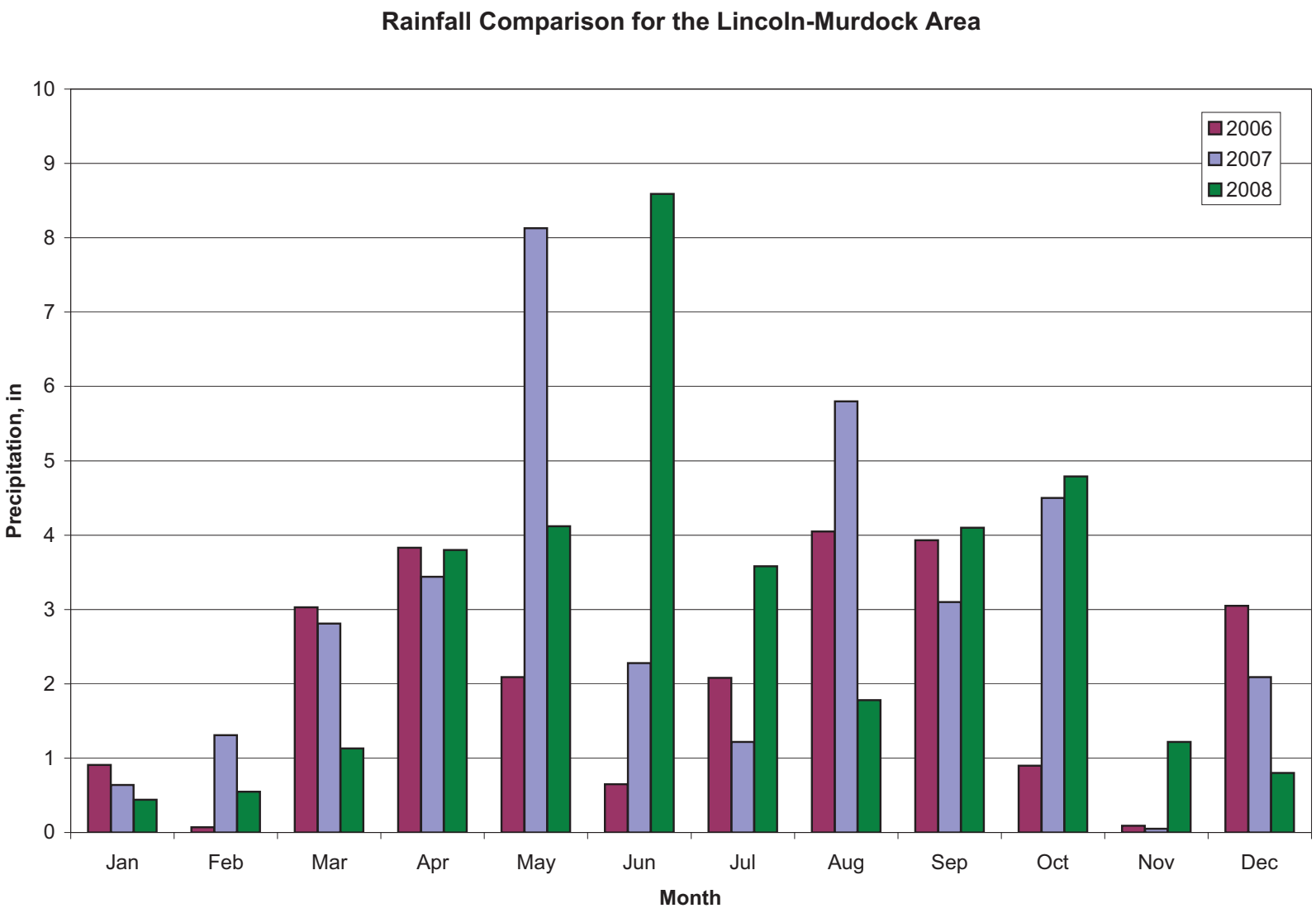


FIGURE 4.2 Monthly rainfall for the Lincoln-Murdock area, 2006-2008.

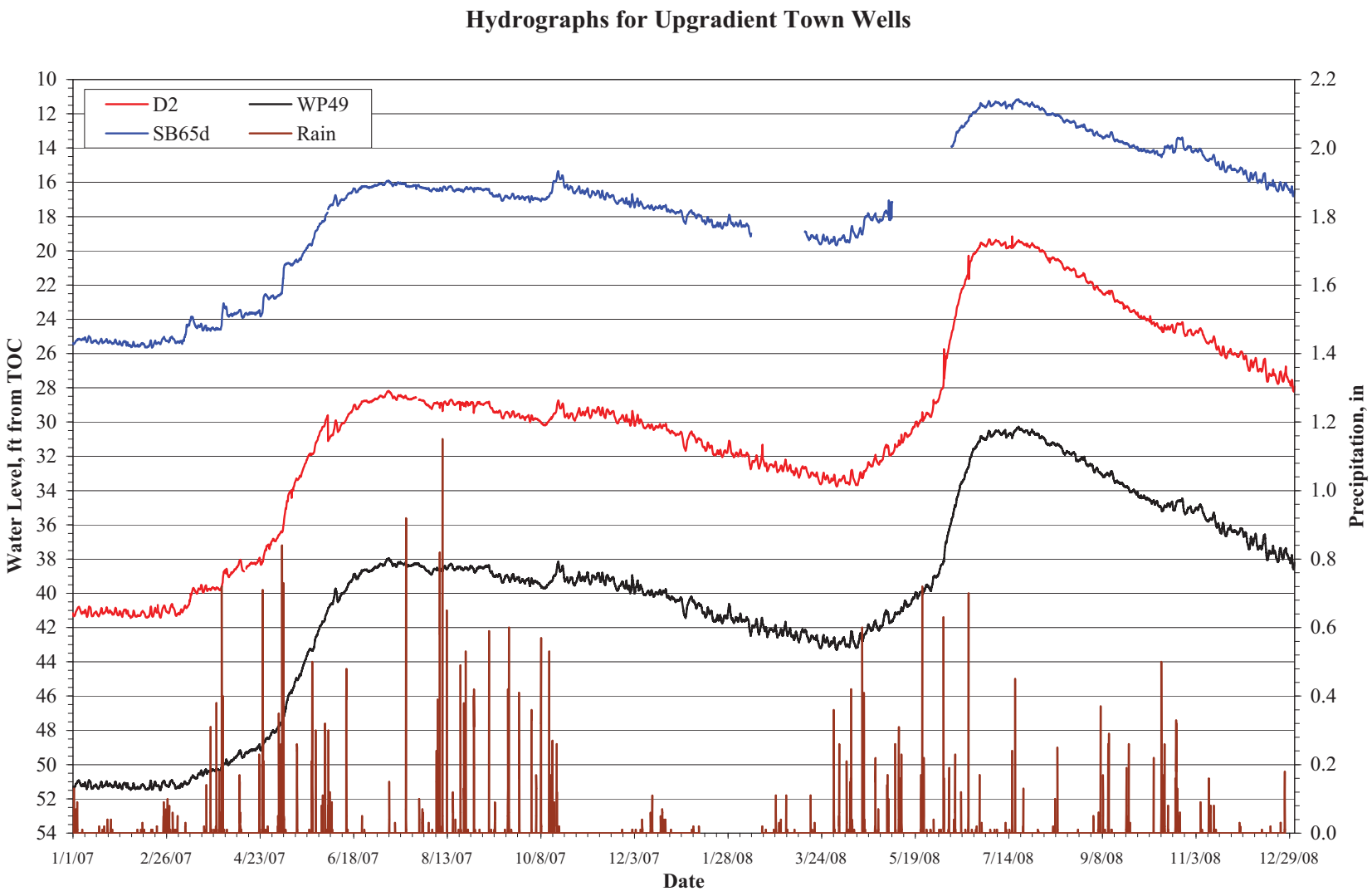


FIGURE 4.3 Hydrographs for upgradient wells, January 2007 through December 2008.

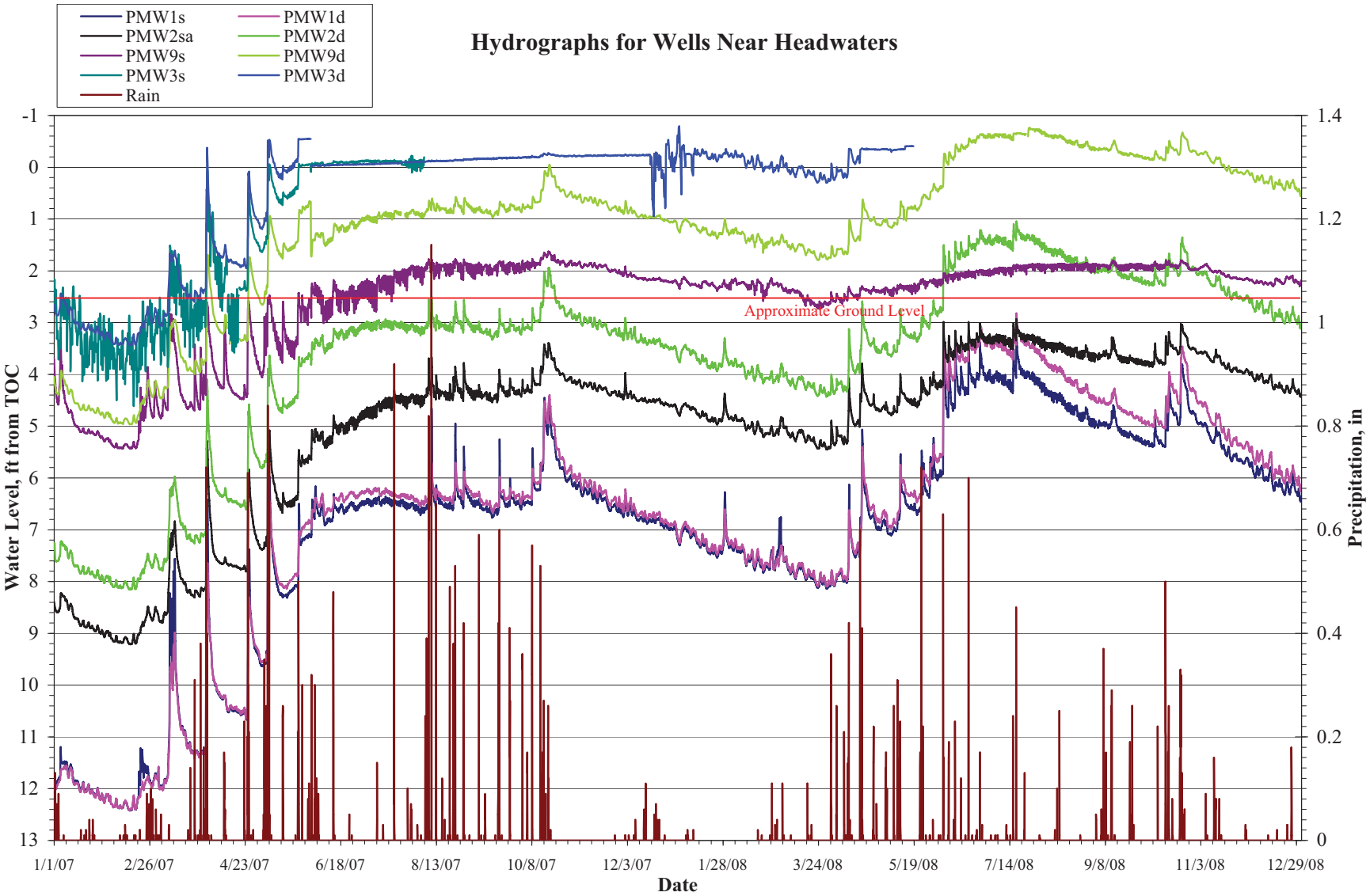


FIGURE 4.4 Hydrographs for phytoremediation area wells near the headwaters of the tributary creek, January 2007 through December 2008.

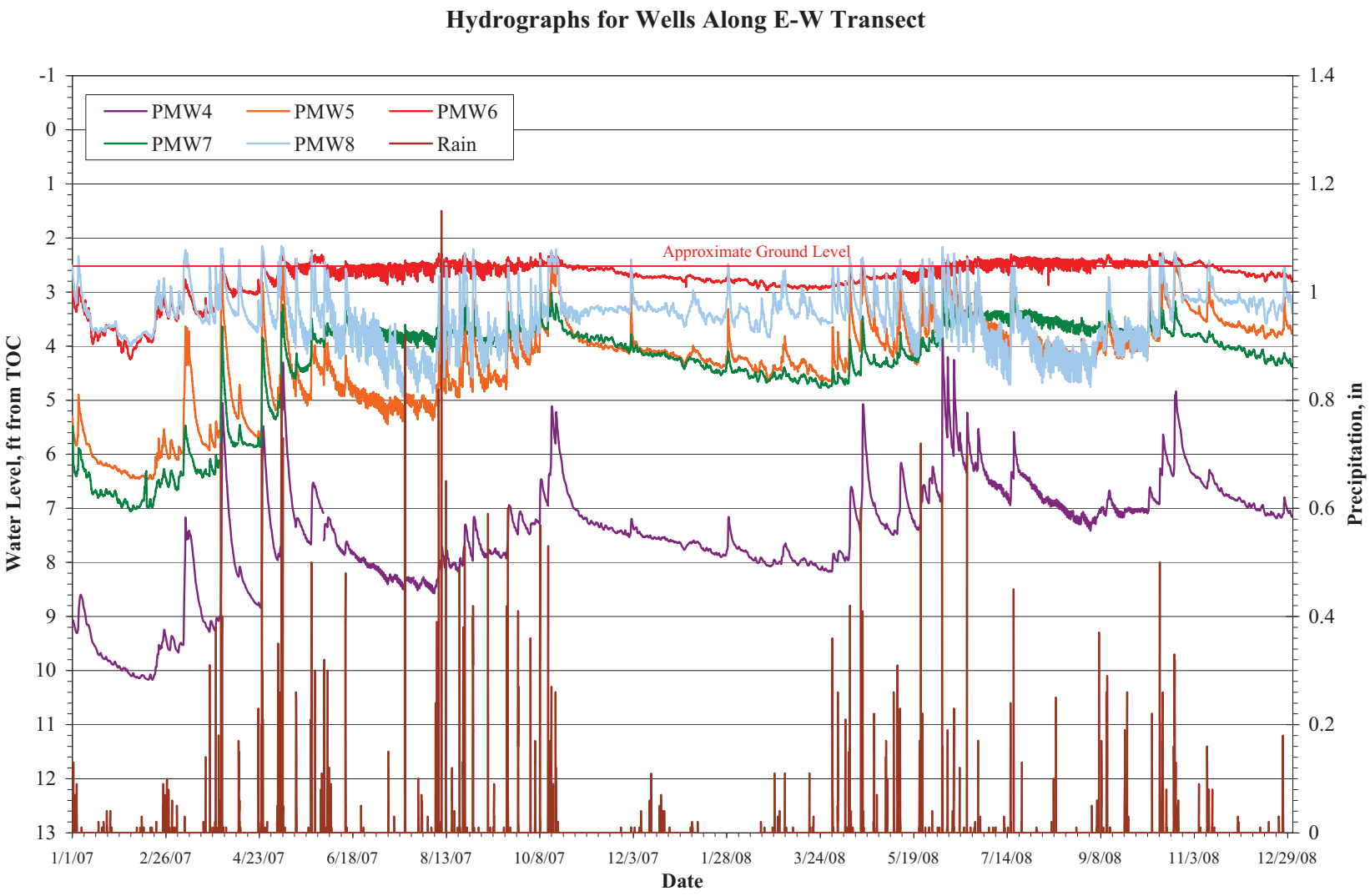


FIGURE 4.5 Hydrographs for wells in the downstream portion of the phytoremediation area, January 2007 through December 2008.

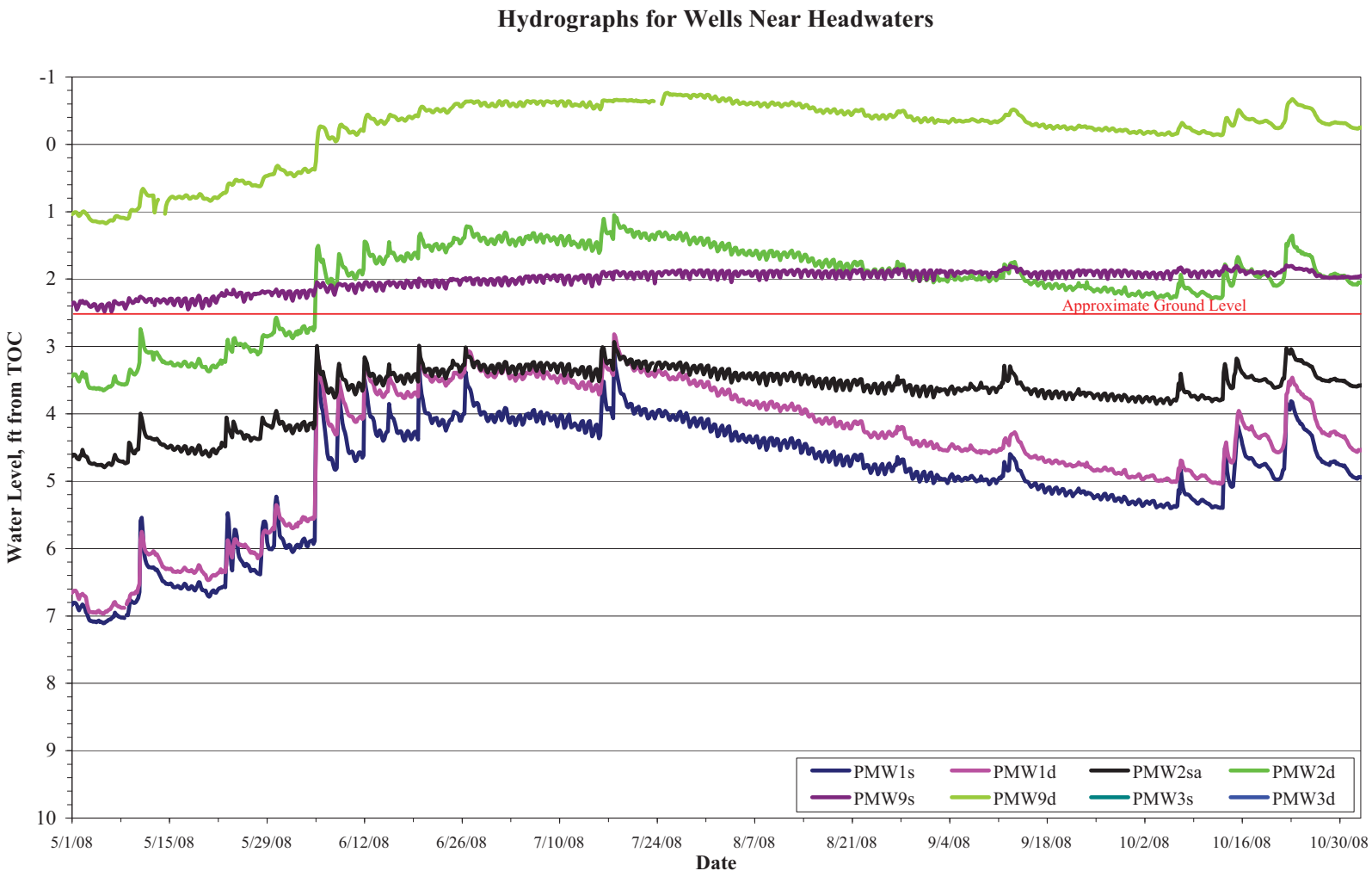


FIGURE 4.6 Hydrographs for phytoremediation area wells near the headwaters of the tributary creek, May to October 2008.

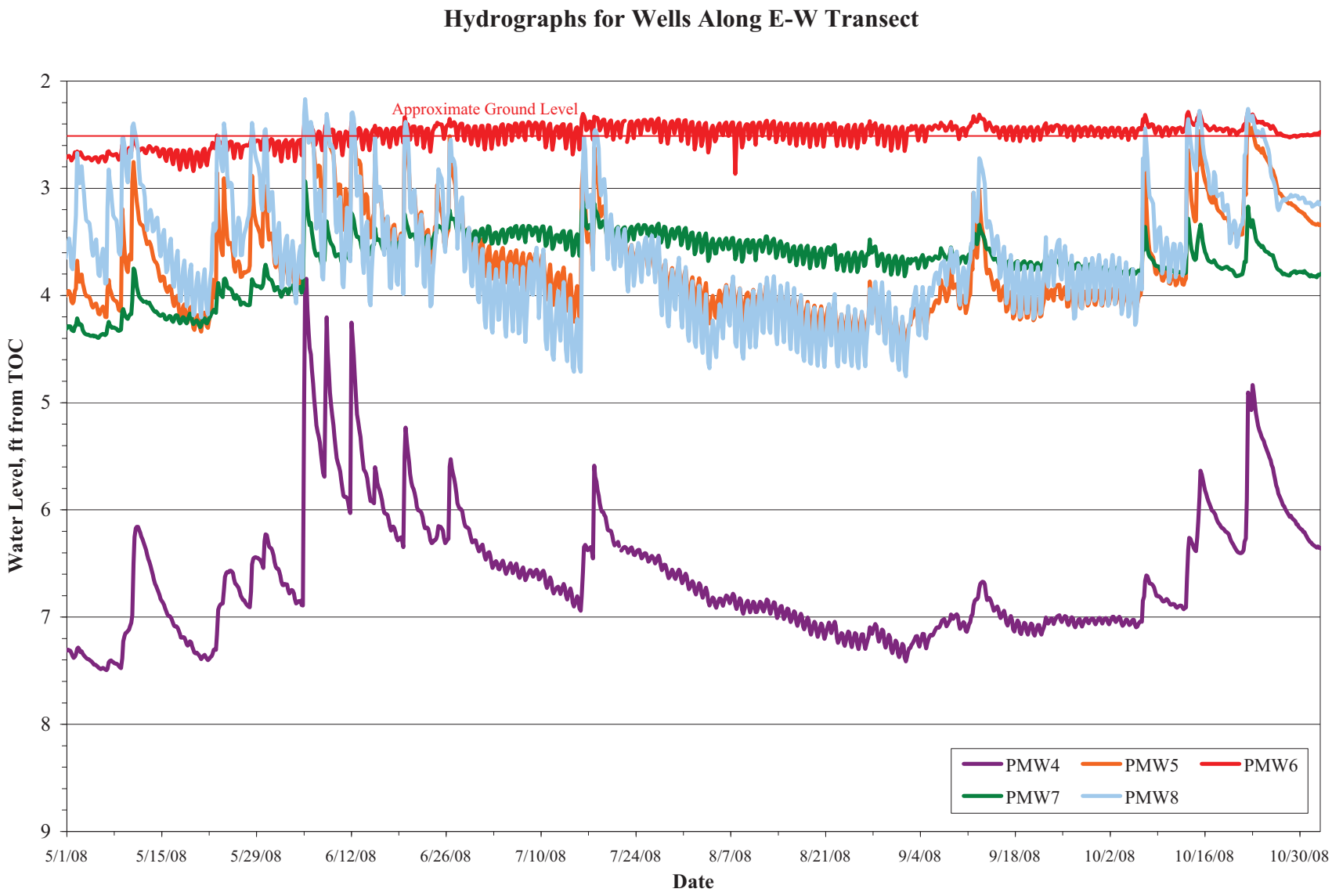


FIGURE 4.7 Hydrographs for wells in the downstream portion of the phytoremediation area, May to October 2008.

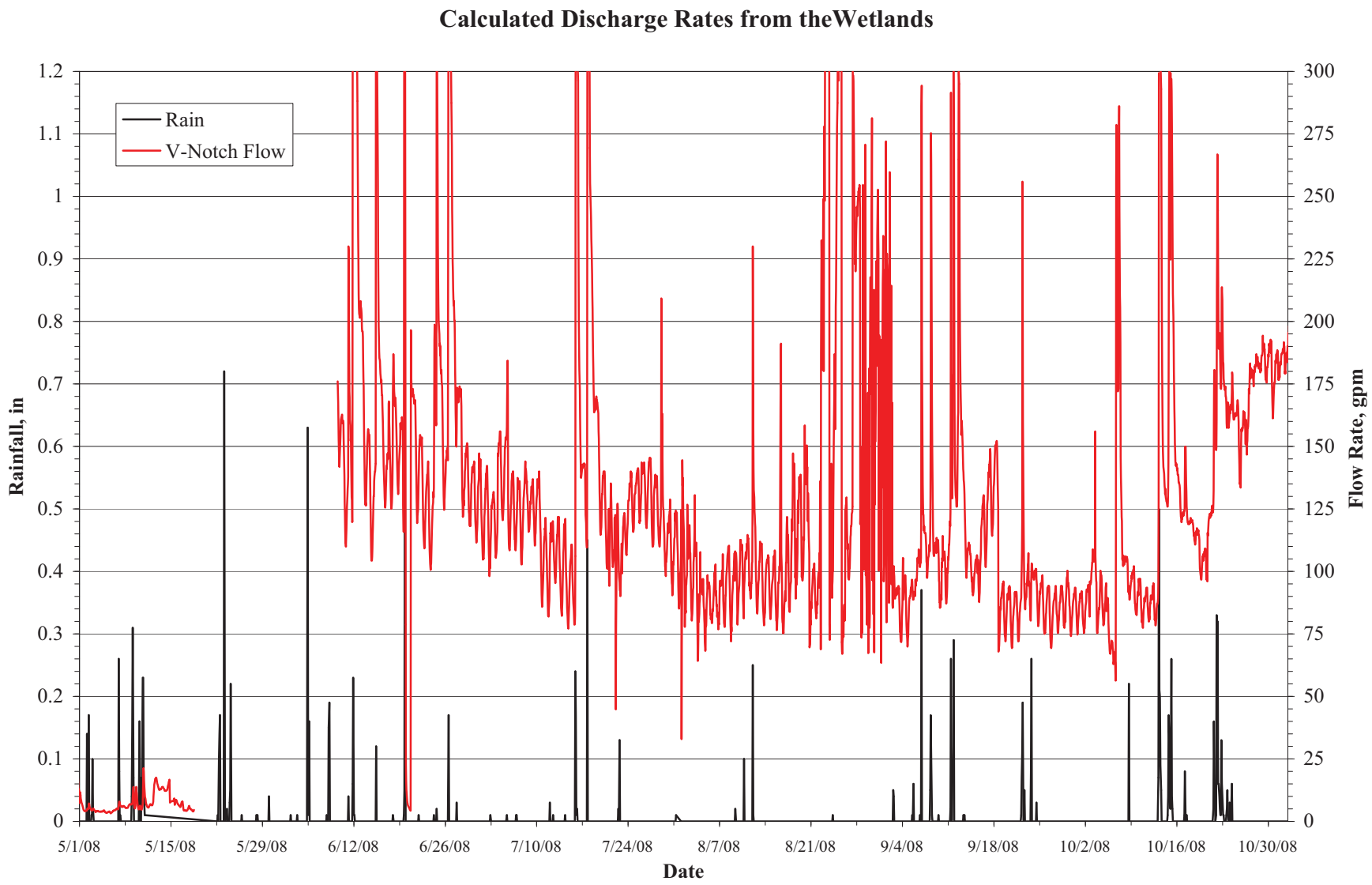


FIGURE 4.8 Calculated surface water discharge rates determined from the V-notch weir at the wetlands outfall, May to October 2008.

FIGURE 4.9 Distribution of blue dye in a freshly cut log from a harvested cottonwood tree, confirming that the entire trunk inside the bark actively took up water.

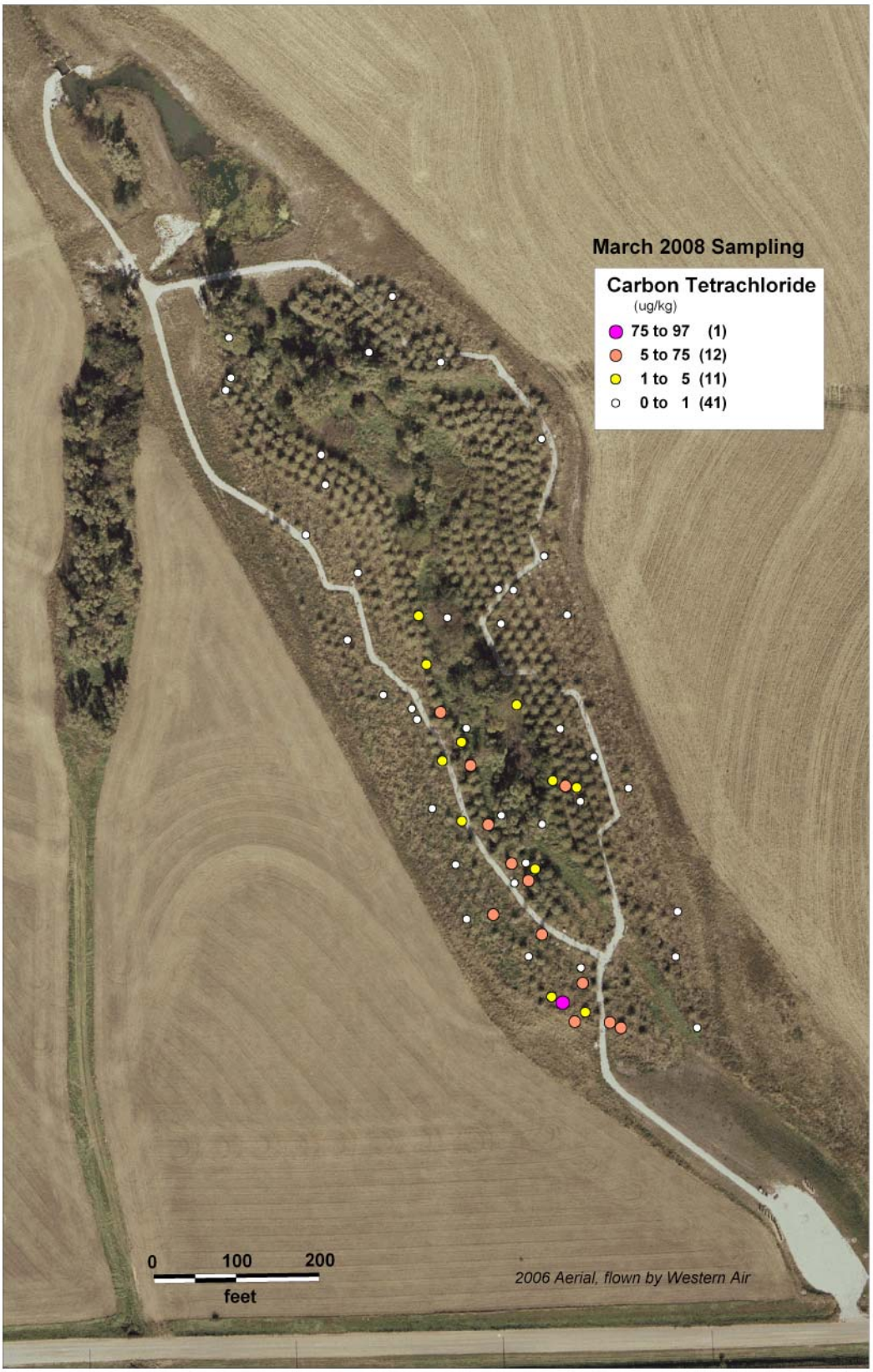


FIGURE 4.10 Carbon tetrachloride concentrations in branch samples, March 2008.

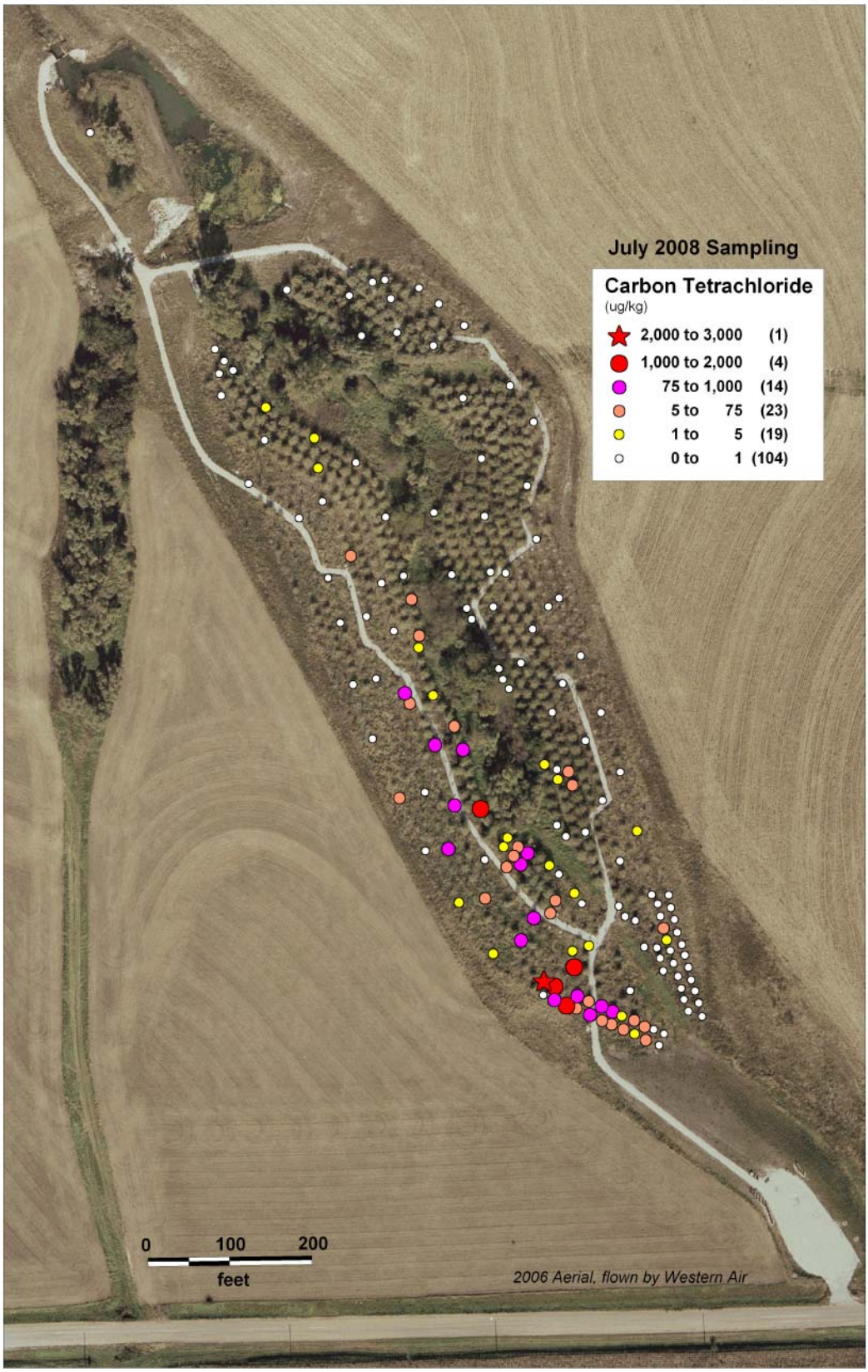


FIGURE 4.11 Carbon tetrachloride concentrations in branch samples, July 2008.

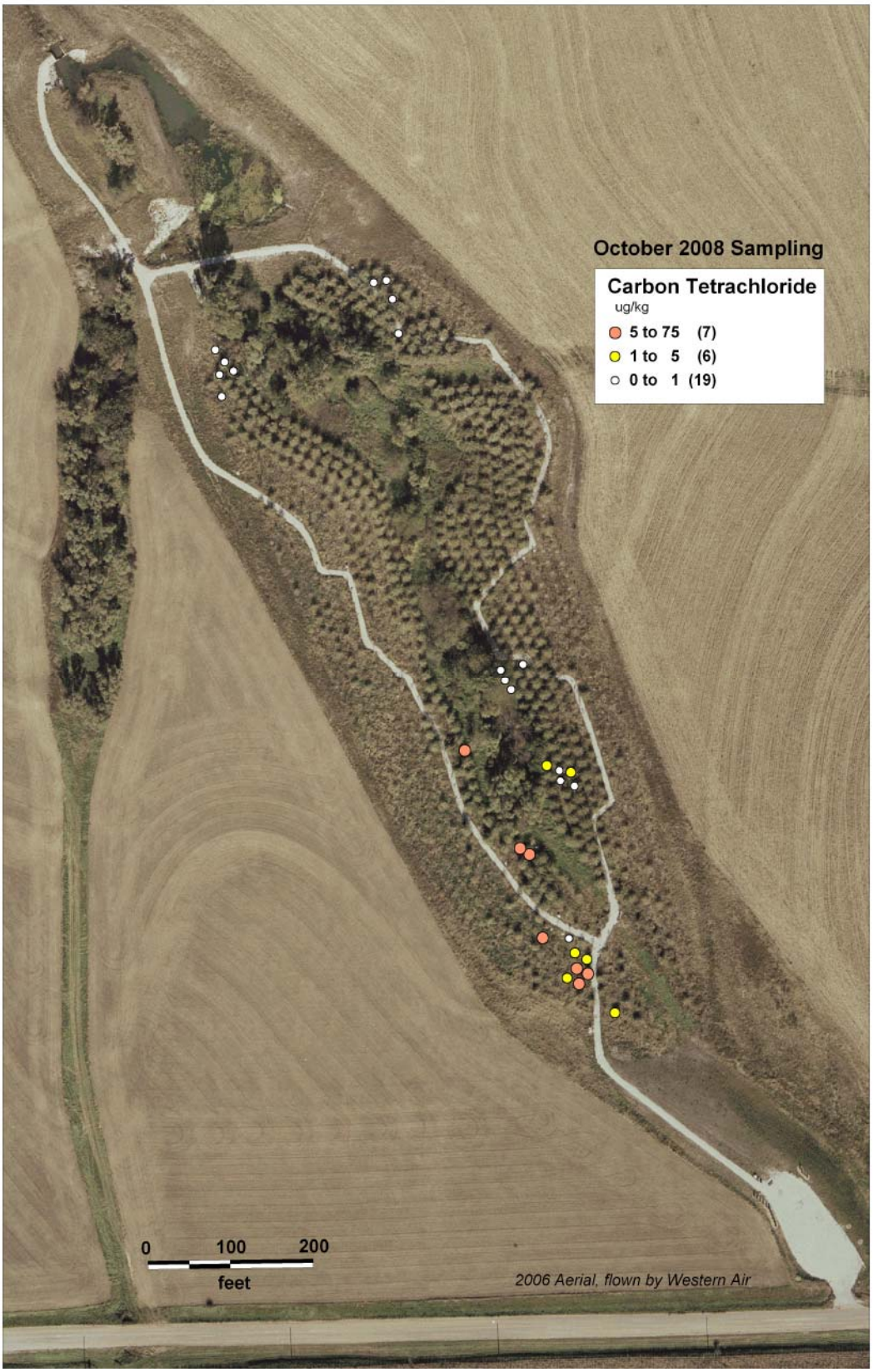


FIGURE 4.12 Carbon tetrachloride concentrations in branch samples, October 2008.

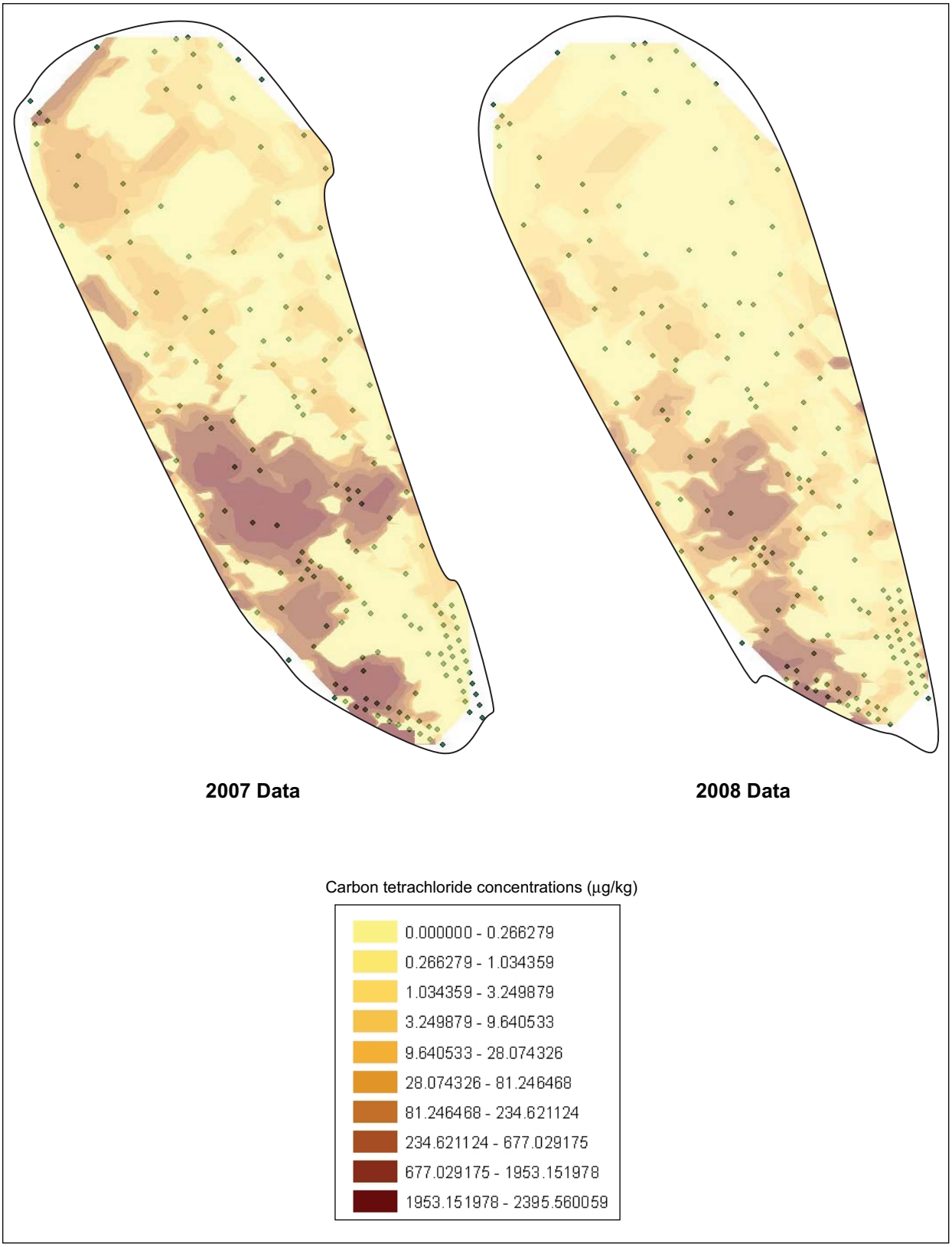


FIGURE 4.13 Geostatistical comparison of carbon tetrachloride concentrations in branch samples, July 2007 and July 2008.

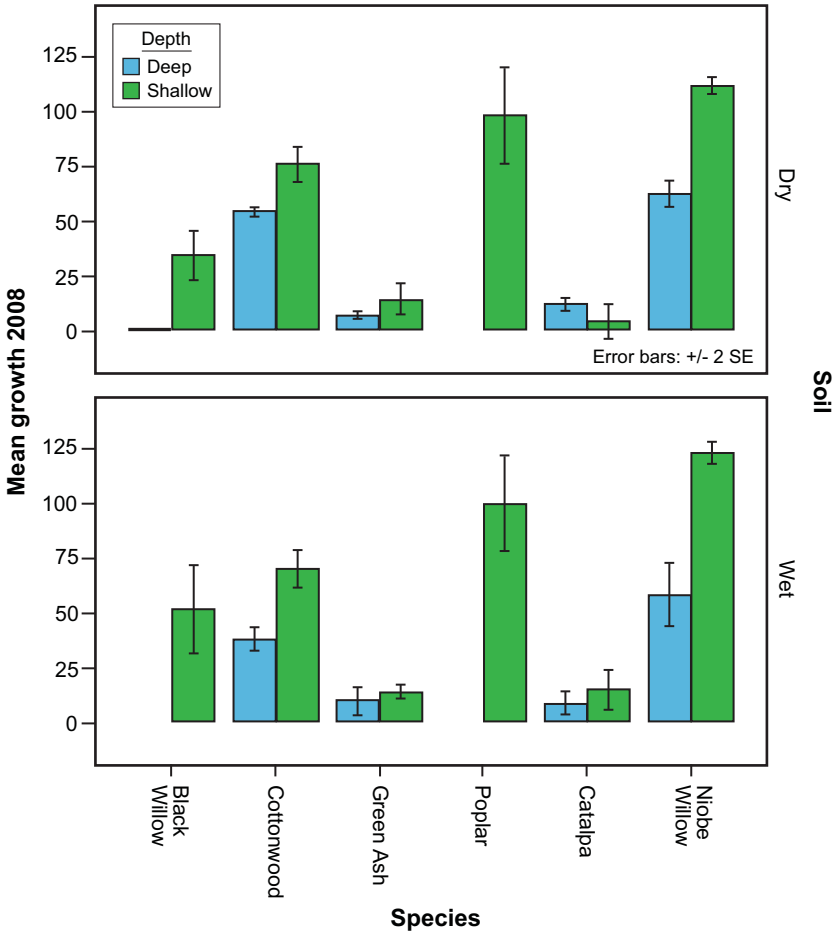


FIGURE 4.14 Tree diameter measurements by species as a function of planting depth and surface soil moisture in 2008.

FIGURE 4.15 Carbon tetrachloride concentrations in grasses and other vegetation in July 2008.

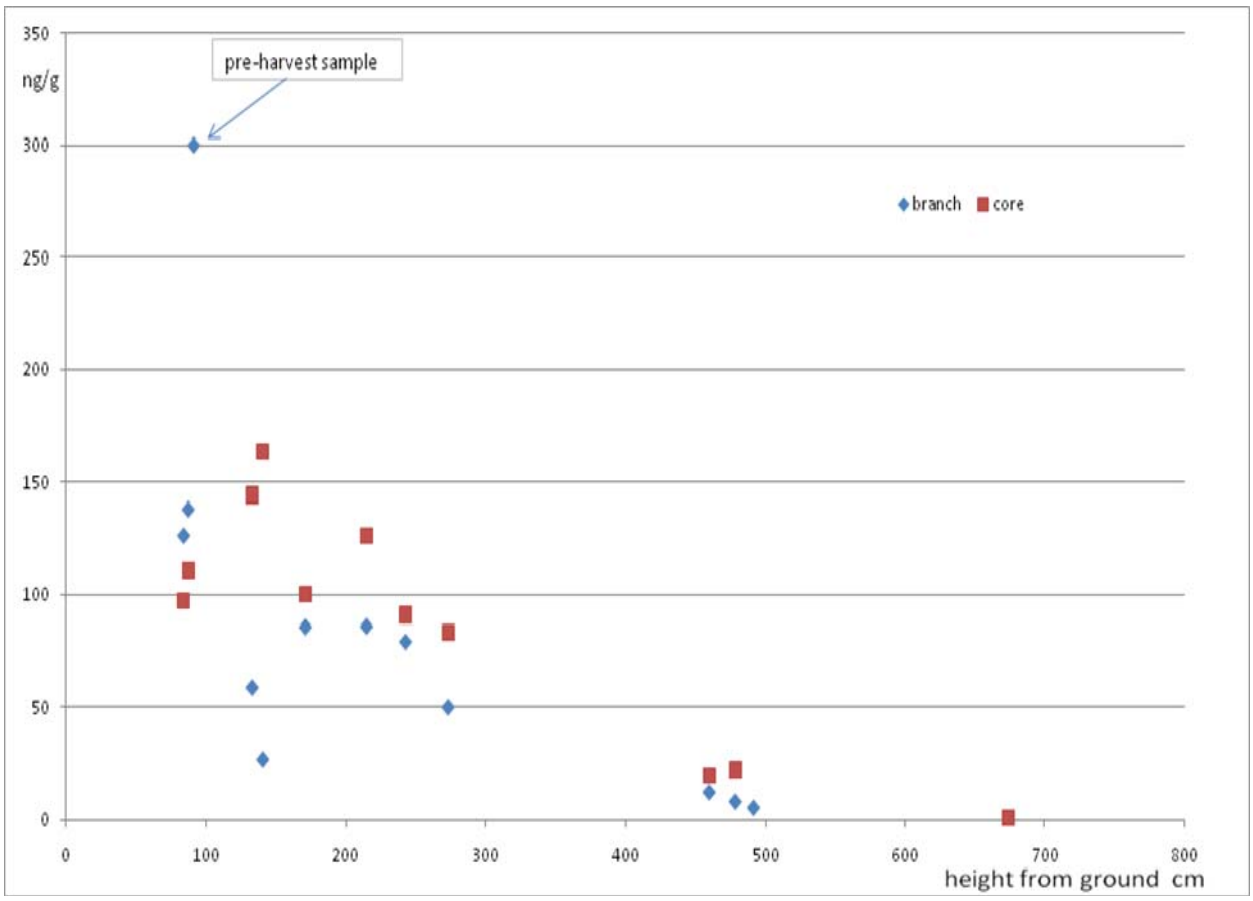


FIGURE 4.16 Vertical distribution of carbon tetrachloride in tissues of harvested eastern cottonwood tree W417EC1.

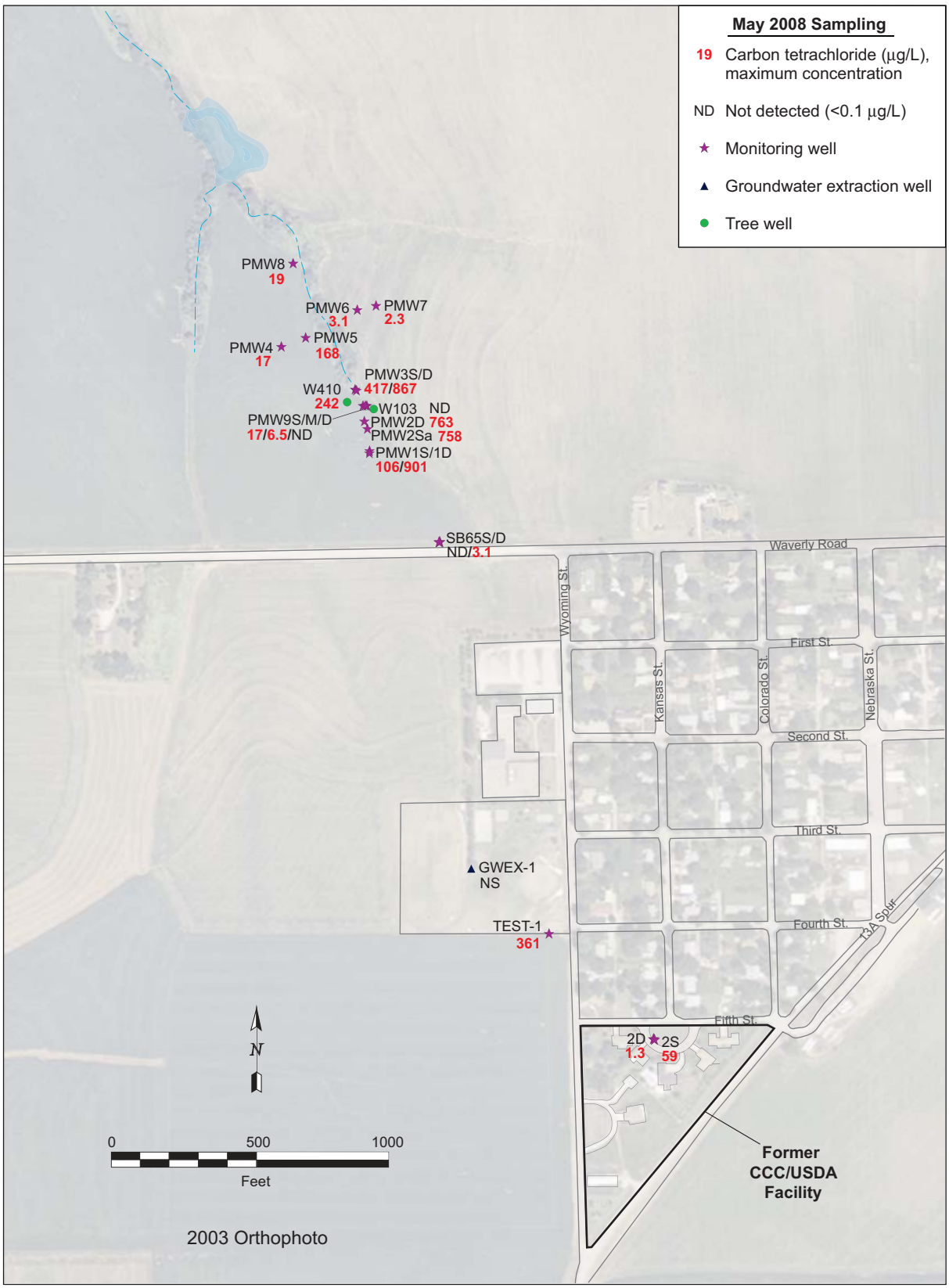


FIGURE 4.17 Maximum carbon tetrachloride concentrations in groundwater samples collected from permanent monitoring points in May 2008. Source of photograph: NAIP (2003).

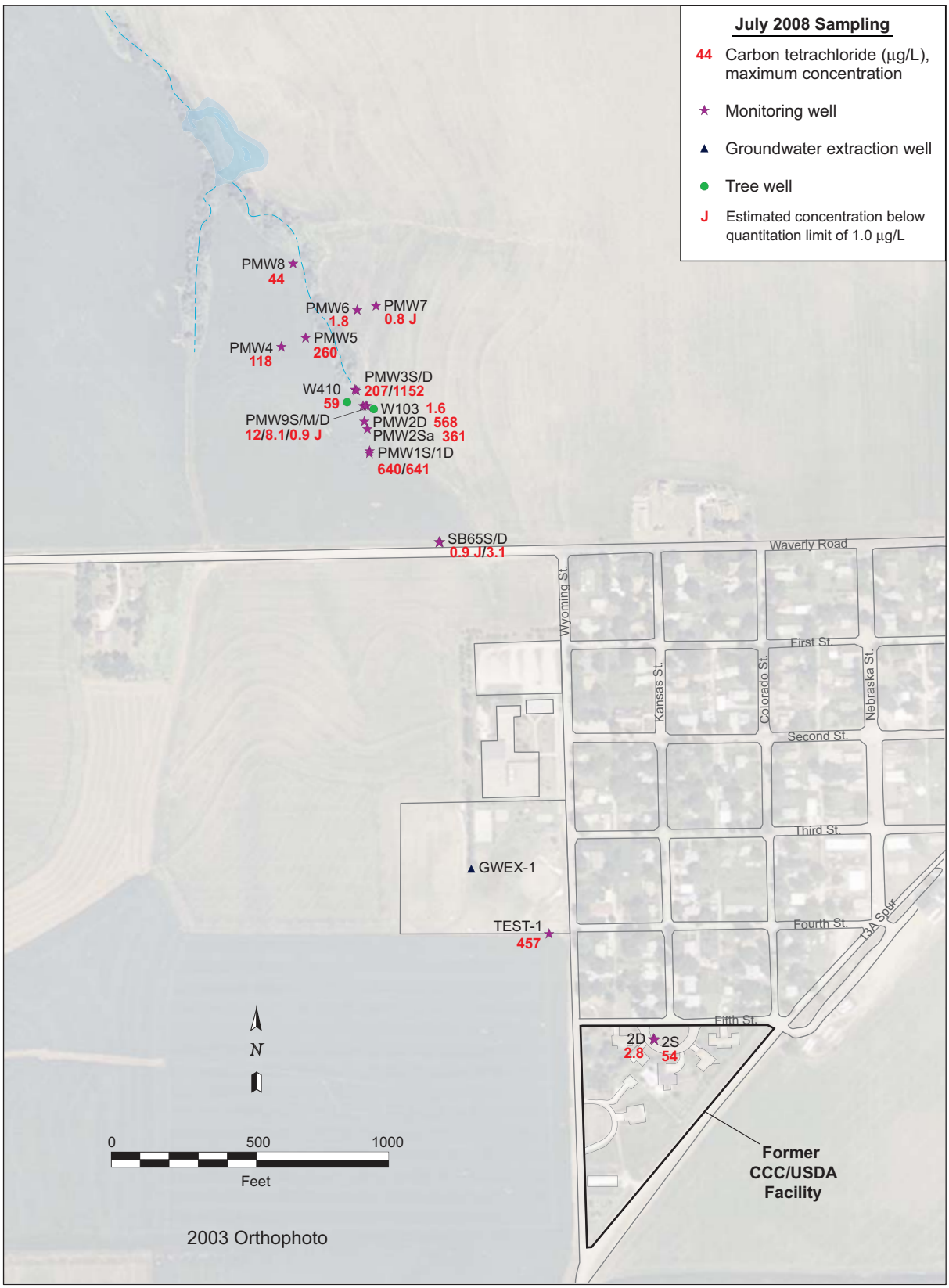


FIGURE 4.18 Maximum carbon tetrachloride concentrations in groundwater samples collected from permanent monitoring points in July 2008. Source of photograph: NAIP (2003).

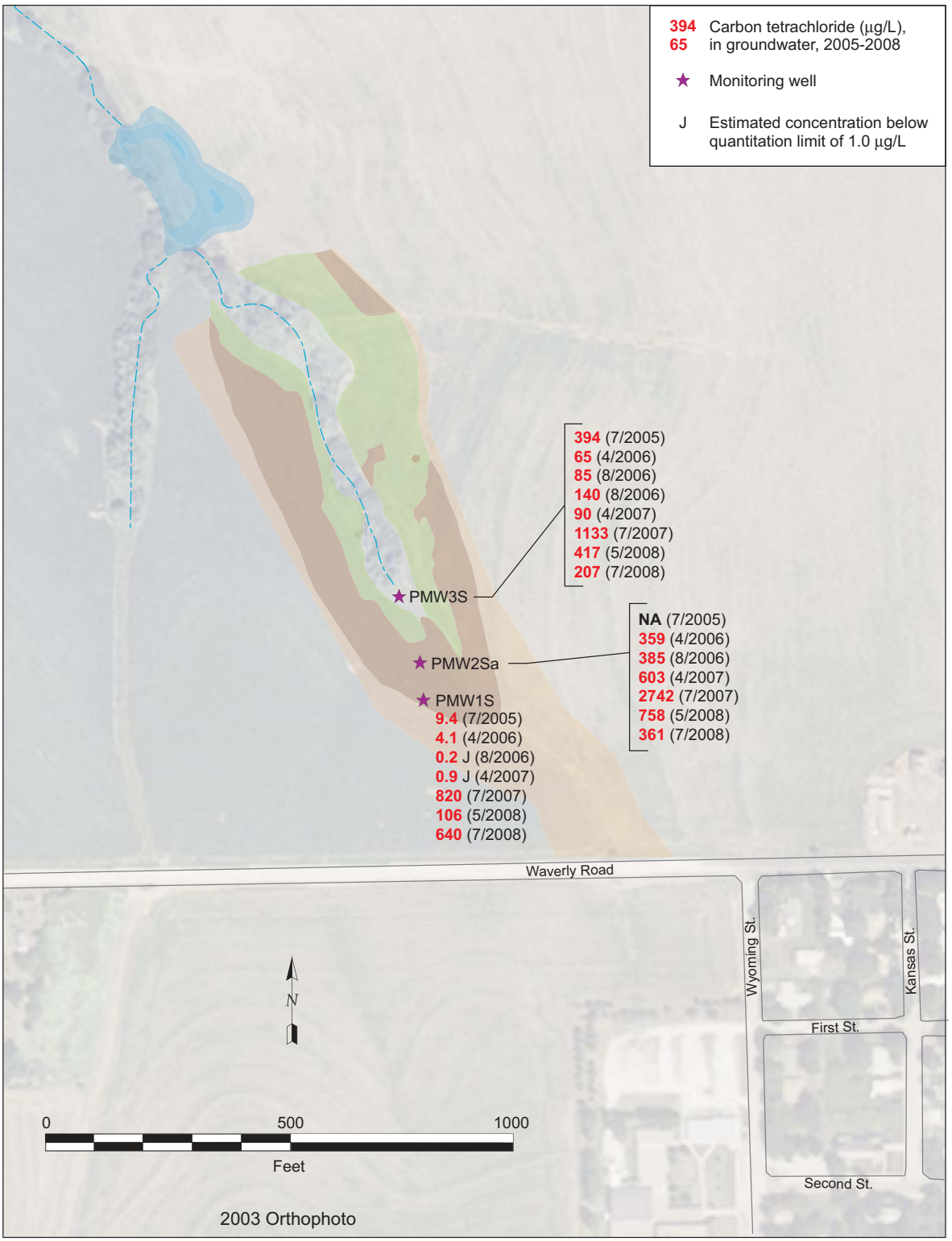


FIGURE 4.19 Carbon tetrachloride concentrations in groundwater samples collected from the shallow monitoring wells in the headwaters area, July 2005-July 2008. Source of photograph: NAIP (2003).

5 Operation, Maintenance, and System Modifications

5.1 Well GWEX-1 and the Spray Irrigation Treatment Unit

No service or maintenance was required for the GWEX-1 extraction well or the spray irrigation treatment unit during the review period.

5.2 Phytoremediation Planting and Buffer Areas

Unusually high rainfalls at Murdock in 2007 resulted in shallow flooding of the land surface in portions of the phytoremediation area throughout much of that year. Local pooling of surface water, groundwater seepage, and increased surface runoff were particularly noted in the western and central portions of the shallow planting area near the headwaters of the tributary creek, as well as along both sides of the tributary creek in the more downstream portion of the shallow planting area (Figure 2.1). These surface conditions persisted during 2008, as a result of continued greater-than-normal rainfall (particularly in the spring).

The following specific activities were implemented in 2008 to maintain the health of the plantings and the integrity of the visitor amenities in the phytoremediation area:

- The phytoremediation planting area was inspected frequently throughout the growing season for possible indicators of plant stress or other detrimental conditions associated with the wet surface environment.

- Argonne representatives met with the Nebraska state forester (Richard Lodes) early in 2008, for continued consideration of the condition of the phytoremediation plantings and development of both (1) a long-term tree management plan and (2) immediate actions needed to foster the healthy development of the tree stand during the 2008 growing season.

- As in 2007, some trees were affected by fungi, partly because of the prolonged wet conditions and the dense canopy growth that restricted local air flow and promoted the stagnation of moist air. Some thinning occurred in 2008, after consultation with Richard Lodes during his annual visit to the site.

- Mowing, trimming, and weeding were conducted throughout the summer and early fall of 2008 to control vigorous growth of the groundcover species in the phytoremediation area and to facilitate access to the trees for vegetation sampling and monitoring.

- Temporary support was provided in 2007 for a number of trees that began to lean unacceptably during the late spring and summer because of soft soil conditions that had developed in several areas of persistent standing surface water. In 2008, selected trees were removed in these areas and dissected to provide additional data regarding contaminant uptake in the tree tissues.

- Activities to help control and enhance the patterns of surface drainage through the phytoremediation plantings included (1) regrading and stabilization (with gravel) of the main channel leading into the phytoremediation area at the headwaters of the tributary creek, (2) the installation of additional drainage conduits at selected locations in the phytoremediation area, and (3) redressing of the pedestrian walking path in several low places in the headwaters area.

- Localized erosion was observed near the headwaters of the tributary creek, at the southernmost end of the phytoremediation area, as a result of the heavy spring rains. Representatives from Olsson Associates, the engineering firm that assisted in the original design and construction of erosion control measures for the phytoremediation and wetlands areas, visited the site to observe and consult regarding potentially continuing detrimental erosional effects. Little additional downcutting was observed during the remainder of the review period, however, and no further actions were taken.

- The on-site weather station was relocated from its original site near the headwaters of the tributary creek (in the phytoremediation area) to a new location at the southern margin of the wetlands area. The station was moved to prevent encroachment on the weather sensors by the neighboring trees as they continue to increase in size.

5.3 Constructed Wetlands Area

In May 2008, the weir structure (water control structure) at the outlet of the wetlands was repositioned at a slightly higher level beneath the water control stop logs. In conjunction with this modification, the stream channel immediately downstream of the weir was cleared of heavy plant growth and other natural flow obstructions, and the channel was regraded slightly to improve the surface water flow leaving the wetlands. These actions were taken to ensure continuation of a free fall of water from the weir outlet, which is required for the weir to function properly in the estimation of discharge flow rates from the wetlands.

In summer 2008, minor regrading was performed adjacent to the walking pathway near the southwestern margin of the wetlands, to mitigate the effects of localized runoff and surface erosion observed previously (primarily in spring 2007) at this location. Several conduits beneath the pathway in this area were also replaced with larger-diameter units, to improve control of sporadic surface drainage into the wetlands from the agricultural fields immediately to the west.

5.4 Monitoring Well Network

No repairs to or modifications of the monitoring well network were required during 2008. Routine data recovery and battery replacement for the water level recorders installed at the site were performed approximately quarterly.

5.5 Operating and Maintenance Costs for the Current Review Period

The operating and maintenance (O&M) costs for the 12-month period from January to December 2008 are summarized in Table 5.1. The costs for this period of operation include one-time expenses associated with the following:

- The erosion control measures described in Section 3.3.

- Purchase and deployment of some of the thermal dissipation probes and sap flow meters described in Section 3.2. (Additional thermal dissipation probes were on loan from another Argonne program.)

- Performance of a separate investigation authorized by the CCC/USDA concerning the potential for mitigation of nitrate contamination by the constructed wetlands.

TABLE 5.1 Operations and maintenance costs for the Murdock site restoration project, January-December 2008.

Item	Cost[a] ($)
Routine O&M	
General management and technical oversight	20,297
Logistics and field support	67,846
Remediation monitoring and reporting	316,165
Total routine O&M	404,309
One-Time Expenses	
Erosion control	16,726
Purchase and deployment of thermal dissipation probes and sap flow meters	16,500
CCC/USDA wetlands study at Murdock	82,790
Total one-time expenses	116,016
Grand Total	520,325

[a] Numbers rounded; totals may not be equal to the sum of individual items.

6 Summary

6.1 Performance of the Removal Action Systems

The results of the baseline sampling performed at Murdock in July 2005 indicated that the intended outcome of the integrated remedial approach designed for this site is achievable. Subsequent monitoring conducted during the third full year of operation (January to December 2008) of the remediation systems demonstrated the following:

- Seasonal operation of well GWEX-1 captures elevated concentrations of carbon tetrachloride in the upgradient portion of the groundwater plume and reduces the contaminant load approaching the tributary creek headwaters. The associated spray irrigation treatment unit decreases contaminant concentrations in the spray discharge to acceptable levels and improves the quality of the Elmwood-Murdock Public School athletic fields. Well GWEX-1 and the spray irrigation treatment unit could not be operated during 2008, however, because of unusually wet conditions at the site throughout much of the year.

- Highly contaminated water in the more downgradient portion of the groundwater plume continues to approach the phytoremediation and wetlands treatment areas.

- Carbon tetrachloride levels in surface waters show a rapid drop along the flow pathway established through the phytoremediation and wetlands treatment areas; no unacceptable levels of this contaminant have been detected in the final surface discharge from the wetlands.

- Carbon tetrachloride was not detected at unacceptable levels in ambient air in the phytoremediation and wetlands treatment zones at the “breathing” level among the planted and preexisting native trees.

- The total costs for operation and maintenance of the removal action systems at Murdock during the review period were $520,325. This amount includes several one-time costs.

6.2 Regulatory Compliance of the Removal Action Systems

Under the EPA-approved *Monitoring Plan* (Argonne 2006), site-specific monitoring requirements and compliance criteria governing the removal action at Murdock have been established by the EPA and the NDEQ. These requirements are as follows:

- For GWEX-1 and the spray irrigation treatment system:
  - Sample the discharge quarterly during periods of seasonal operation.
  - Demonstrate an acceptable carbon tetrachloride level (44.2 µg/L) in the discharge.
  - Demonstrate an acceptable pH range (6.0-9.0) in the discharge.
  - Report the actual volume of groundwater treated and discharged.
  - Report results quarterly.
- For surface water discharged from the combined phytoremediation and wetlands treatment zones:
  - Sample surface flow quarterly at locations SWM1-SWM3.
  - Demonstrate an acceptable carbon tetrachloride level (44.2 µg/L) at location SWM3.
  - Report results quarterly.
- For ambient air in the phytoremediation and wetlands treatment zones:

- Sample twice yearly at locations AA1-AA3.

- Demonstrate an acceptable carbon tetrachloride level (192 μg/m^3) in the ambient air.

- Report results annually.

The results of all compliance monitoring performed during the current review period are summarized as follows:

- No sampling of treated groundwater from the spray irrigation treatment system was required or performed during the current review period, as the GWEX-1 extraction well and spray system did not operate in 2008.

- Trace to low levels of carbon tetrachloride contamination (1.0-2.9 μg/L) were detected in the surface water samples collected at the surface water compliance point, location SWM3. The acceptable limit is 44.2 μg/L.

- Carbon tetrachloride was detected at low levels (2.0-4.5 μg/m^3 and ND-2.5 μg/m^3, respectively) in the ambient air sampled at location AA1 in the upstream portion of the phytoremediation area during both the May 2008 and July 2008 sampling events. Carbon tetrachloride was also detected at trace levels in one sample of ambient air collected at location AA2 (1.4 μg/m^3, on May 15) and in one sample of air at location AA3 (1.5 μg/m^3, on May 1) during the May 2008 sampling event. The target maximum concentration is 192 μg/m^3.

All monitoring and reporting requirements and compliance criteria were met during the review period.

7 References

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Appendix A:

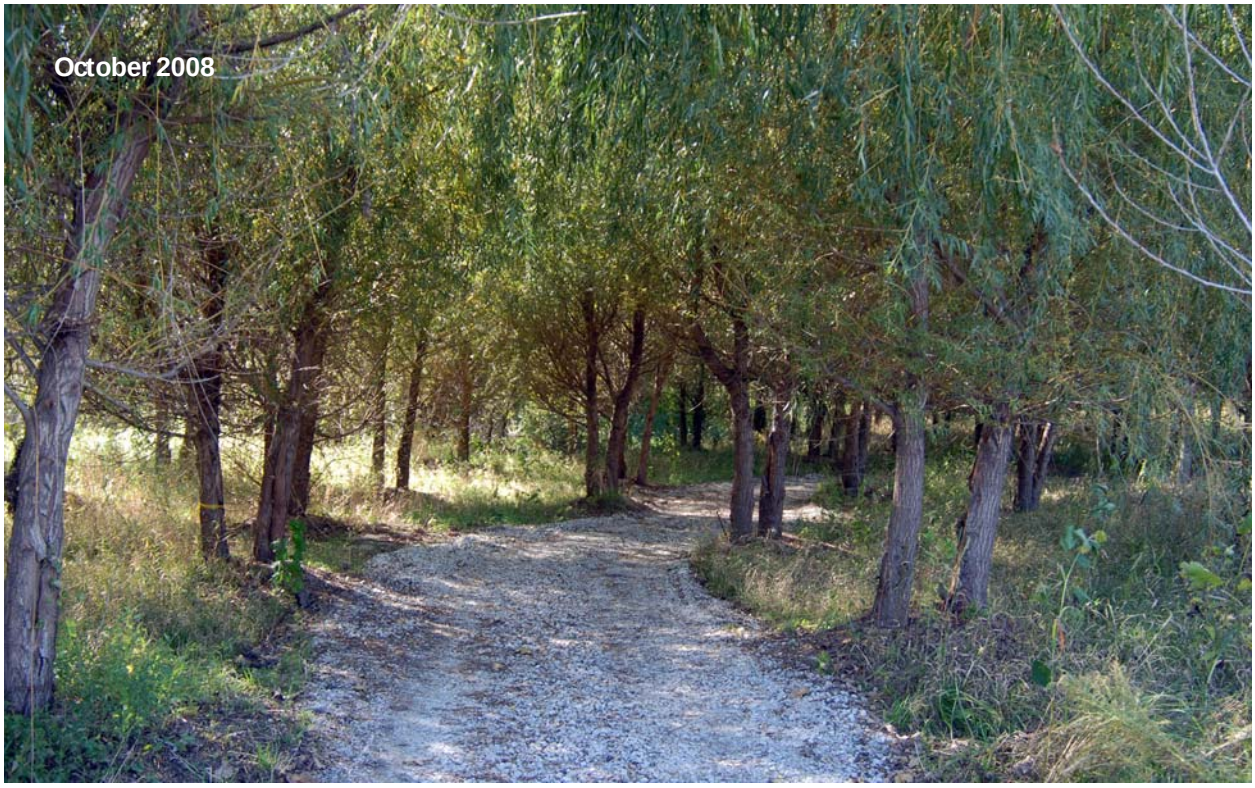
Photo Gallery

Phytoremediation plantation, 2005 to 2008.

Wetlands view from north end, 2006-2008.

Wetlands view from south end, 2006-2008.

Wetlands view toward weather station, 2006 and 2008.



Effect of tree trimming and path reconstruction, 2008.

Erosion, June 2008.

Wet ground and leaning trees, June 2008.

Tree harvest, June 2008.

Preparing the harvested tree for weighing, June 2008.

Weighing the tree and dyeing the log, June 2008.

Field trip, Great Plains Society of American Foresters, October 2008.

Appendix B:

Vegetation Analysis Results

FIGURE B.1 Tree sampling locations in 2008.

TABLE B.1 Results of analyses for volatile organic compounds in vegetation samples collected at Murdock in 2008.

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008									
E106	WN1	MUE106WN1-B-25030	3/27/08	11:10	Branch	1	ND[d]	10	Branch 4 in. above ground, west orientation.
E111	WN1	MUE111WN1-B-25031	3/27/08	11:15	Branch	1	ND	91	Branch 36 in. above ground, south orientation.
E129	WN1	MUE129WN1-B-25032	3/27/08	11:56	Branch	ND	ND	10	Branch 4 in. above ground, north orientation.
E207	WN1	MUE207WN1-B-25033	3/27/08	11:36	Branch	5	ND	122	Branch 4 ft above ground, north orientation.
E207	WN2	MUE207WN2-B-25034	3/27/08	11:35	Branch	12	2	122	Branch 4 ft above ground, north orientation.
E308	WN1	MUE308WN1-B-25035	3/27/08	11:30	Branch	< 1[e]	ND	15	Branch 6 in. above ground, west orientation.
E308	WN2	MUE308WN2-B-25036	3/27/08	11:31	Branch	< 1	ND	15	Branch 6 in. above ground, west orientation.
E309	WN1	MUE309WN1-B-25037	3/27/08	11:25	Branch	< 1	ND	15	Branch 6 in. above ground, south orientation.
E309	WN2	MUE309WN2-B-25038	3/27/08	11:26	Branch	1	ND	10	Branch 4 in. above ground, south orientation.
E314	HP1	MUE314HP1-B-25039	3/27/08	11:20	Branch	< 1	ND	152	Branch 5 ft above ground, northeast orientation. Sample collected from secondary branch 12 in. from trunk insert.
E324	WN1	MUE324WN1-B-25040	3/27/08	11:45	Branch	ND	ND	3	Branch 1 in. above ground, north orientation. Sickly tree.
E428	WN1	MUE428WN1-B-25041	3/27/08	11:46	Branch	< 1	ND	122	Branch 4 ft above ground, north orientation.
E517	WN1	MUE517WN1-B-25042	3/27/08	11:40	Branch	ND	ND	122	Branch 4 ft above ground, east orientation.
E532	WN1	MUE532WN1-B-25054	3/27/08	11:50	Branch	< 1	ND	152	Branch 5 ft above ground, east orientation. Sample from secondary branch 6 in. off trunk.
E550	WN1	MUE550WN1-B-25043	3/27/08	11:51	Branch	ND	ND	122	Branch 4 ft above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008 (cont.)									
E659	WN1	MUE659WN1-B-25044	3/27/08	11:55	Branch	ND	ND	20	Branch 8 in. above ground, south orientation.
E700	EC1	MUE700EC1-B-25050	3/27/08	11:00	Branch	ND	ND	30	Secondary branch 12 in. above ground, north orientation.
E706	WN2	MUE706WN2-B-25051	3/27/08	11:01	Branch	< 1	ND	0	Branch sample at base of tree, south orientation. Tree labeled EC is actually WN2.
E720	EC	MUE720EC-B-25045	3/27/08	12:12	Branch	ND	ND	122	Branch 4 ft above ground, east orientation.
E720	GA	MUE720GA-B-25046	3/27/08	12:13	Branch	ND	ND	122	Branch 4 ft above ground, east orientation.
E735	EC1	MUE735EC1-B-25047	3/27/08	12:10	Branch	ND	ND	122	Branch 4 ft above ground, west orientation. Wet area.
E735	EC2	MUE735EC2-B-25048	3/27/08	12:11	Branch	ND	< 1	152	Branch 5 ft above ground, east orientation. Secondary branch 6 in. from main stem.
E740	EC	MUE740EC-B-25049	3/27/08	12:01	Branch	ND	< 1	91	Branch 3 ft above ground, west orientation.
E810	EC1	MUE810EC1-B-25052	3/27/08	11:05	Branch	ND	ND	25	Branch 10 in. above ground, east orientation.
E858	HP	MUE858HP-B-25053	3/27/08	12:00	Branch	ND	ND	152	Branch 5 ft above ground, north orientation. Secondary branch 8 in. from main stem.
W109	WN1	MUW109WN1-B-25060	3/27/08	13:25	Branch	2	2	15	Branch 6 in. above ground, south orientation.
W109	WN2	MUW109WN2-B-25061	3/27/08	13:26	Branch	< 1	ND	30	Branches 6 in and 12 in. above ground, south orientation. Took 2 small branches near each other.
W110	WN1	MUW110WN1-B-25062	3/27/08	13:30	Branch	< 1	ND	3	Basal shoot 1 in. above ground, west orientation.
W110	WN2	MUW110WN2-B-25063	3/27/08	13:31	Branch	< 1	< 1	3	Basal shoot 1 in. above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008 (cont.)									
W114	WN2	MUW114WN2-B-25064	3/27/08	13:32	Branch	6	< 1	61	Branch 24 in. above ground, south orientation.
W119	WN1	MUW119WN1-B-25065	3/27/08	13:35	Branch	50	2	91	Branch 3 ft above ground, east orientation. Secondary branch 8 in. from main stem.
W119	WN2	MUW119WN2-B-25066	3/27/08	13:36	Branch	3	1	10	Branch 4 in. above ground, west orientation.
W121	WN2	MUW121WN2-B-25067	3/27/08	13:40	Branch	3	ND	61	Branch 24 in. above ground, west orientation. Secondary branch 4 in. from main trunk.
W124	WN2	MUW124WN2-B-25068	3/27/08	13:41	Branch	15	2	122	Branch 4 ft above ground, south orientation.
W128	WN1	MUW128WN1-B-25069	3/27/08	13:42	Branch	3	ND	20	Branch 8 in. above ground, east orientation.
W128	WN2	MUW128WN2-B-25070	3/27/08	13:43	Branch	1	ND	61	Branch 24 in. above ground, south orientation.
W132	WN1	MUW132WN1-B-25071	3/27/08	13:45	Branch	< 1	ND	91	Branch 36 in. above ground, south orientation. Secondary branch 8 in. from main stem.
W132	WN2	MUW132WN2-B-25072	3/27/08	13:46	Branch	1	ND	122	Branch 48 in. above ground, south orientation.
W148	WN2	MUW148WN2-B-25073	3/27/08	13:47	Branch	< 1	ND	152	Branch 5 ft above ground, south orientation.
W158	WN1	MUW158WN1-B-25074	3/27/08	13:50	Branch	ND	ND	15	Branch 6 in. above ground, west orientation.
W158	WN2	MUW158WN2-B-25075	3/27/08	13:51	Branch	ND	ND	30	Branch 12 in. above ground, west orientation.
W210	WN1	MUW210WN1-B-25076	3/27/08	14:31	Branch	23	3	122	Branch 48 in. above ground, south orientation. Secondary branch 4 in. from main stem.
W210	WN2	MUW210WN2-B-25077	3/27/08	14:32	Branch	< 1	1	20	Branch 8 in. above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008 (cont.)									
W212	WN2	MUW212WN2-B-25078	3/27/08	14:40	Branch	10	2	91	Branch 36 in. above ground, east orientation. Secondary branch 4 in. from main stem.
W308	EC1	MUW308EC1-B-25080	3/27/08	14:46	Branch	< 1	ND	91	Branch 36 in. above ground, east orientation. Cottonwood.
W308	NC	MUW308EC-B-25079	3/27/08	14:45	Branch	ND	ND	122	Branch 48 in. above ground, east orientation. This is a catalpa tree.
W357	WN1	MUW357WN1-B-25081	3/27/08	13:55	Branch	ND	ND	0	Base sucker collected at ground level, north orientation.
W407	WN1	MUW407WN1-B-25082	3/27/08	14:47	Branch	31	3	152	Branch 5 ft above ground, south orientation.
W407	WN2	MUW407WN2-B-25083	3/27/08	14:48	Branch	62	2	122	Branch 48 in. above ground, south orientation. Secondary branch 6 in. from main stem.
W417	EC1	MUW417EC1-B-25084	3/27/08	14:50	Branch	3	< 1	152	Branch 5 ft above ground, east orientation.
W422	EC2	MUW422EC2-B-25086	3/27/08	14:51	Branch	< 1	ND	152	Branch 5 ft above ground, west orientation. Secondary branch 8 in. from main stem.
W426	EC2	MUW426EC2-B-25085	3/27/08	14:52	Branch	< 1	< 1	152	Branch 5 ft above ground, west orientation.
W427	EC	MUW427EC-B-25100	3/27/08	14:55	Branch	< 1	ND	183	Branch 6 ft above ground, west orientation. Secondary branch 12 in. from main trunk. Labeled in field as EC2.
W427	GA	MUW427GA-B-25101	3/27/08	14:56	Branch	ND	ND	122	Branch 48 in. above ground, south orientation. Distal branch tip.
W447	WN	MUW447WN-B-25102	3/27/08	15:00	Branch	ND	< 1	61	Branch 24 in. above ground, south orientation.
W505	EC1	MUW505EC1-B-25103	3/27/08	15:32	Branch	< 1	2	152	Branch 5 ft above ground, west orientation. Secondary branch 16 in. from main stem.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008 (cont.)									
W505	EC2	MUW505EC2-B-25104	3/27/08	15:33	Branch	< 1	1	122	Branch 48 in. above ground, west orientation.
W606	EC1	MUW606EC1-B-25105	3/27/08	15:30	Branch	41	7	122	Branch 48 in. above ground, east orientation.
W606	EC2	MUW606EC2-B-25106	3/27/08	15:31	Branch	35	4	152	Branch 5 ft above ground, east orientation.
W611	EC1	MUW611EC1-B-25107	3/27/08	15:37	Branch	< 1	2	91	Branch 36 in. above ground, east orientation. Secondary branch 2 in. from main stem.
W616	EC1	MUW616EC1-B-25108	3/27/08	15:26	Branch	6	3	10	Branch 4 in. above ground, west orientation.
W621	EC	MUW621EC-B-25109	3/27/08	15:25	Branch	< 1	4	122	Branch 48 in. above ground, west orientation.
W626	EC	MUW626EC-B-25110	3/27/08	15:21	Branch	ND	2	122	Branch 48 in. above ground, south orientation. Secondary branch 6 in. from main stem.
W636	EC	MUW636EC-B-25111	3/27/08	15:20	Branch	< 1	ND	122	Branch 48 in. above ground, south orientation. Secondary branch 12 in. off main stem.
W646	WN1	MUW646WN1-B-25112	3/27/08	15:15	Branch	ND	1	15	Branch 6 in. above ground, south orientation.
W805	WN1	MUW805WN1-B-25090	3/27/08	14:20	Branch	5	1	10	Branch 4 in. above ground, south orientation.
W806	EC2	MUW806EC2-B-25113	3/27/08	14:16	Branch	18	2	122	Branch 48 in. above ground, south orientation.
W808	WN2	MUW808WN2-B-25089	3/27/08	14:21	Branch	3	ND	122	Branch 48 in. above ground, south orientation. Tree is mislabeled as W807.
W809	EC2	MUW809EC2-B-25091	3/27/08	14:30	Branch	96	2	152	Branch 5 ft above ground, west orientation.
W810	EC2	MUW810EC2-B-25114	3/27/08	14:15	Branch	4	ND	122	Branch 48 in. above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008 (cont.)									
W820	EC1	MUW820EC1-B-25115	3/27/08	14:10	Branch	ND	ND	122	Branch 48 in. above ground, west orientation. Secondary branch 3 in. from main stem.
W820	EC2	MUW820EC2-B-25116	3/27/08	14:11	Branch	ND	ND	122	Branch 48 in. above ground, west orientation.
W845	EC1	MUW845EC1-B-25117	3/27/08	14:05	Branch	ND	ND	91	Branch 36 in. above ground, east orientation.
W854	EC	MUW854EC-B-25118	3/27/08	14:00	Branch	ND	ND	122	Branch 4 ft above ground, north orientation.
W854	GA	MUW854GA-B-25119	3/27/08	14:01	Branch	ND	ND	0	Basal sucker collected at ground level, west orientation.
W908	EC1	MUW908EC1-B-25088	3/27/08	15:35	Branch	12	3	122	Branch 48 in. above ground, west orientation. Secondary branch 2 in. from main stem.
PREW001	Willow	MUPREW001-B-25120	3/27/08	15:45	Branch	< 1	3	122	Sucker at base collected 48 in. above ground, west orientation.
PREW003	Willow-Ash	MUPREW003-B-25121	3/27/08	15:50	Branch	ND	2	122	Willow closest to creek bed is in bad shape, looks dead, no easy branches. Sampled nearby ash which had ribbon on. Samples at 48 in. above ground. Fourth-order branch 7 ft from main stem.
PREW004	Ash	MUPREW004-B-25122	3/27/08	15:51	Branch	< 1	3	122	Branch 48 in. above ground, west orientation. Ash, small, between two cottonwoods.
PREW006	Cottonwood	MUPREW006-B-25123	3/27/08	15:55	Branch	ND	2	183	Branch 6 ft above ground, northwest orientation. Cottonwood, fourth-order branch 6 ft off main trunk.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in March 2008 (cont.)									
PREE009	Willow	MUPREE009-B-25124	3/27/08	16:10	Branch	< 1	3	122	Willow on east side of creek. (Moved ribbon from tree on west side to one on east side.) Sucker 48 in. above ground, east orientation.
Bruttig-1	Oak	MUBRUTTIG1-B-25126	3/27/08	16:21	Branch	ND	ND	152	Branch 5 ft above ground, west orientation. Tertiary branch 12 in. from main stem. Pin Oak.
Bruttig-3	Ash	MUBRUTTIG3-B-25127	3/27/08	16:20	Branch	ND	ND	183	Branch 6 ft above ground, east orientation. Fourth-order branch 3 ft from main trunk.
School-1	Ash	MUSCHOOL1-B-25125	3/27/08	16:15	Branch	ND	< 1	3	Basal shoot 1 in. above ground, north orientation. Ash.
Sampling in June 2008 (tree sacrifice)									
W421	EC2	MUW421-EC2-R1-19128	6/23/08	12:15	Root	< 1	< 1		Surface roots. Lateral roots; deep roots at site rotten. Live root.
W421	EC2	MUW421-EC2-R2-19129	6/23/08	12:23	Root	< 1	2		Surface roots. Live lateral root.
W421	EC2	MUW421-EC2-R3-19130	6/23/08	12:25	Root	< 1	1		Surface root. Live root.
W421	EC2	MUW421-EC2-S1-19131	6/23/08	12:30	Soil	< 1	ND		Soil from roots.
W421	EC2	MUW421-EC2-S2-19132	6/23/08	12:32	Soil	< 1	ND		Soil from roots rhizosphere.
W421	EC2	MUW421-EC2-B1-19133	6/23/08	12:35	Branch	20	2		Primary branch, 5 in. off ground line. (SOP deviation: Orientation not recorded for branch samples, as tree had been cut off.)
W421	EC2	MUW421-EC2-B2-19134	6/23/08	12:36	Branch	41	16		Primary branch, 2 in. up second log.
W421	EC2	MUW421-EC2-B3-19135	6/23/08	12:40	Branch	3	6		Secondary branch, 2 in. up second log.
W421	EC2	MUW421-EC2-L1-19136	6/23/08	12:42	Leaf	ND	2		Leaf sample from branch sampled as B3-19135.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in June 2008 (tree sacrifice) (cont.)									
W421	EC2	MUW421-EC2-B4-19137	6/23/08	12:44	Branch	46	21		Primary branch from second log, 18 in. up, same side as sample B1-19133.
W421	EC2	MUW421-EC2-L2-19138	6/23/08	12:45	Leaf	ND	1		Leaf sample from branch sampled as B4-19137.
W421	EC2	MUW421-EC2-B5-19139	6/23/08	12:48	Branch	16	12		Primary branch, 52 in. from bottom of second log, 45 deg off first secondary branch.
W421	EC2	MUW421-EC2-L3-19140	6/23/08	12:50	Leaf	ND	2		Leaf from branch sampled as B5-19139.
W421	EC2	MUW421-EC2-B7-19142	6/23/08	12:55	Branch	< 1	2		Sample 42 in. higher than B6-19141.
W421	EC2	MUW421-EC2-B6-19141	6/23/08	12:55	Branch	ND	< 1		Secondary branch 65 in. from second cut; 6 in. off primary, first cut.
W421	EC2	MUW421-EC2-L4-19143	6/23/08	12:57	Leaf	ND	2		Leaf sample from branch sampled as B7-19142.
W421	EC2	MUW421-EC2-B8-19144	6/23/08	12:59	Branch	17	15		Primary branch 6 in. from third piece at intersection.
W421	EC2	MUW421-EC2-B9-19145	6/23/08	13:02	Branch	4	6		Sample 36 in. up from B8-19144, same branch.
W421	EC2	MUW421-EC2-B10-19146	6/23/08	13:05	Branch	3	4		Primary branch 3 in. below last cut.
W421	EC2	MUW421-EC2-L5-19147	6/23/08	13:06	Leaf	ND	1		Leaf sample from B10-19146.
W421	EC2	MUW421-EC2-B11-19148	6/23/08	13:08	Branch	2	2		Primary branch 6 in. from up fourth cut.
W421	EC2	MUW421-EC2-B12-19149	6/23/08	13:10	Branch	< 1	3		Branch sample 28 in. from log 4.
W421	EC2	MUW421-EC2-L6-19150	6/23/08	13:12	Leaf	ND	1		Leaf sample from branch sampled as B12-19149.
W421	EC2	MUW421-EC2-B13-19151	6/23/08	13:14	Branch	< 1	5		Primary branch 47 in. off fourth log.
W421	EC2	MUW421-EC2-L7-19152	6/23/08	13:15	Leaf	ND	2		Leaf sample from branch sampled as B13-19151.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in June 2008 (tree sacrifice) (cont.)									
W421	EC2	MUW421-EC2-B14-19153	6/23/08	13:17	Branch	< 1	2		Branch 14 is 57 in. off begin fourth.
W421	EC2	MUW421-EC2-B15-19154	6/23/08	13:20	Branch	< 1	ND		Apical branch 36 in. higher than B14-19153.
W421	EC2	MUW421-EC2-B16-19155	6/23/08	13:22	Branch	ND	ND		Top of tree, 3 in. below top distal leaves.
W421	EC2	MUW421-EC2-L8-19156	6/23/08	13:25	Leaf	ND	1		Apical leaves, leaves from B16-19155.
W421	EC2	MUW421-EC2-L9-19157	6/23/08	13:30	Leaf	NA[f]	NA		Sample of leaves in plastic bag for moisture analysis.
W421	EC2	MUW421-EC2-L10-19158	6/23/08	13:31	Leaf	NA	NA		Large leaf sample for moisture analysis and leaf area analysis.
W421	EC2	MUW421-EC2-B17-19159	6/23/08	13:32	Branch	NA	NA		Large branch sample for moisture analysis.
W421	EC2	MUW421-EC2-C1-19160	6/23/08	13:40	Core	53	8		Core 1; beginning of second log; 1-in.-thick slice cut off with saw for VOCs analyses.
W421	EC2	MUW421-EC2-C2-19161-edge	6/23/08	13:45	Core	109	25		Core 2; 31 in. from beginning of log 2; 1-in.-thick slice for VOCs analyses. Sample aliquot removed from edge of core.
W421	EC2	MUW421-EC2-C3-19162-edge	6/23/08	13:46	Core	13	6		Core 3; 66 in. from beginning of log 2 for VOCs analyses. Sample aliquot removed from edge of core.
W421	EC2	MUW421-EC2-C4-19163-edge	6/23/08	13:50	Core	4	4		Core 4; 36 in. up on third log for VOCs analyses. Sample aliquot removed from edge of core.
W421	EC2	MUW421-EC2-C5-19164-edge	6/23/08	14:00	Core	2	3		Core 5; 72 in. up on third log for VOCs analyses. Sample aliquot removed from edge of core.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in June 2008 (tree sacrifice) (cont.)									
W421	EC2	MUW421-EC2-C5-19164-center	6/23/08	14:00	Core	9	7		Core 5; 72 in. up on third log for VOCs analyses. Sample aliquot removed from center of core.
W421	EC2	MUW421-EC2-C4-19163-center	6/23/08	14:00	Core	34	13		Core 4; 36 in. up on third log for VOCs analyses. Sample aliquot removed from center of core.
W421	EC2	MUW421-EC2-C6-19165-edge	6/23/08	14:01	Core	1	3		Core 6; 36 in. up on fourth log for VOCs analyses. Sample aliquot removed from edge of core.
W421	EC2	MUW421-EC2-C6-19165-center	6/23/08	14:01	Core	1	4		Core 6; 36 in. up on fourth log for VOCs analyses. Sample aliquot removed from center of core.
W421	EC2	MUW421-EC2-C7-19166	6/23/08	14:02	Core	< 1	2		Core 7; 72 in. up on fourth log for VOCs analyses.
W421	EC2	MUW421-EC2-C8-19167	6/23/08	14:45	Core	NA	NA		Core 8; core with stain collected at tree base, ground level, for sapwood stain.
W421	EC2	MUW421-EC2-C9-19168	6/23/08	15:00	Core	NA	NA		Log 2 base for density analysis. Large wood.
W421	EC2	MUW421-EC2-C10-19169	6/23/08	15:01	Core	NA	NA		Core 10 for density analysis. Smaller wood.
W421	EC1	MUW421-EC1-C1-19170	6/23/08	16:00	Core	NA	NA		Second tree at location for sap stain. Core sample 1 from base of tree.
Sampling in July 2008									
E100	WN1	MUE100-WN1-B-19178	7/21/08	10:45	Branch	ND	ND	0	Secondary branch 1 ft off main stem. Sample collected at ground level, south orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E101	WN1	MUE101-WN1-B-19179	7/21/08	10:47	Branch	< 1	ND	0	Secondary branch 1.5 ft off main stem. Sample collected at ground level, south orientation.
E106	WN1	MUE106-WN1-B-19180	7/21/08	11:30	Branch	3	2	46	Primary branch. Sample collected 1.5 ft above ground, east orientation.
E111	WN1	MUE111-WN1-B-19181	7/21/08	11:31	Branch	< 1	ND	91	Secondary branch 6 in. off main stem. Sample collected 3 ft above ground, north orientation. Wet ground.
E112	WN2	MUE112-WN2-B-19183	7/21/08	11:35	Branch	< 1	ND	46	Primary branch. Sample collected 1.5 ft above ground, northwest orientation.
E112	WN2	MUE112-WN2-L-19182	7/21/08	11:36	Leaf	ND	1	46	Leaf sample from same branch as sample ID 19183.
E113	WN1	MUE113-WN1-B-19185	7/21/08	11:40	Branch	ND	ND	30	Primary branch. Sample collected 1 ft above ground, west orientation.
E113	WN1	MUE113-WN1-L-19184	7/21/08	11:41	Leaf	ND	< 1	30	Leaf sample from same branch as sample ID 19185.
E117	WN2	MUE117-WN2-B-19186	7/21/08	11:42	Branch	ND	ND	46	Primary branch. Sample collected 1.5 ft above ground, south orientation. Tree E116W is dead. Unclear from log if this is the previously sampled WN2 tree.
E118	WN1	MUE118-WN1-B-19187	7/21/08	11:45	Branch	< 1	1	122	Secondary branch. Sample collected 4 ft above ground, north orientation.
E121	WN1	MUE121-WN1-B-19188	7/21/08	11:46	Branch	ND	1	30	Primary branch. Sample collected 1 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E126	WN1	MUE126-WN1-B-19189	7/21/08	11:50	Branch	ND	1	30	Secondary branch. Sample collected 1 ft above ground, west orientation.
E129	WN1	MUE129-WN1-B-19190	7/21/08	12:00	Branch	ND	< 1	61	Primary branch. Sample collected 2 ft above ground, east orientation. Tree is broken approximately 2 ft above ground.
E206	WN2	MUE206-WN2-B-19191	7/21/08	12:05	Branch	< 1	ND	30	Primary branch. Sample collected 1 ft above ground, west orientation.
E207	WN1	MUE207-WN1-B-19192	7/21/08	12:08	Branch	ND	< 1	30	Primary branch. Sample collected 1 ft above ground, west orientation. Small tree.
E207	WN2	MUE207-WN2-B-19193	7/21/08	12:06	Branch	< 1	1	91	Primary branch. Sample collected 3 ft above ground, west orientation.
E245	WN1	MUE245-WN1-B-19194	7/21/08	12:02	Branch	ND	ND	5	Primary branch. Sample collected 2 in. above ground, south orientation.
E300	WN1	MUE300WN1-C-26294	7/23/08	8:55	Core	NA	NA		Core for sapwood area analysis. Density, agronomy analyses; no VOCs analyses.
E302	WN1	MUE302WN1-C-26295	7/23/08	8:56	Core	NA	NA		Core for sapwood area analysis. Density, agronomy analysis; no VOCs analyses.
E304	WN2	MUE304-WN2-B-19195	7/21/08	10:50	Branch	ND	ND	91	Primary branch. Sample collected 3 ft above ground, south orientation. Wet ground.
E308	WN1	MUE308-WN1-B-19196	7/21/08	10:55	Branch	< 1	ND	0	Secondary branch 6 in. off main stem. Sample collected at ground level, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E308	WN2	MUE308-WN2-B-19197	7/21/08	10:56	Branch	12	ND	30	Secondary branch 3 in. off main stem. Sample collected 1 ft above ground, west orientation.
E309	WN1	MUE309-WN1-B-19198	7/21/08	10:58	Branch	11	< 1	15	Primary branch. Sample collected 6 in. above ground, east orientation.
E309	WN2	MUE309-WN2-B-19199	7/21/08	11:00	Branch	< 1	ND	46	Primary branch. Sample collected 1.5 ft above ground, southeast orientation. Wet ground.
E314	HP1	MUE314-HP1-B-19200	7/21/08	11:05	Branch	< 1	ND	91	Secondary branch. Sample collected 3 ft above ground, east orientation. Wet ground.
E319	WN2	MUE319-WN2-B-19201	7/21/08	12:15	Branch	ND	ND	13	Secondary branch 5 in. off main stem. Sample collected 5 in. above ground, south orientation.
E324	WN1	MUE324-WN1-B-19202	7/21/08	12:18	Branch	ND	ND	30	Primary branch. Sample collected 1 ft above ground, south orientation.
E340	WN2	MUE340-WN2-B-19203	7/21/08	12:20	Branch	ND	ND	11	Secondary branch 2 ft off main stem. Sample collected 4.5 in. above ground, north orientation.
E345	WN1	MUE345-WN1-B-19204	7/21/08	12:22	Branch	ND	ND	46	Primary branch. Sample collected 1.5 ft above ground, north orientation.
E400	EC1	MUE400-EC1-B-19206	7/21/08	14:12	Branch	ND	ND	46	Primary branch. Sample collected 1.5 ft above ground, west orientation. NOTE: true E400 tree.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E401	EC1	MUE401-EC1-B-19205	7/21/08	14:10	Branch	ND	ND	46	Primary branch. Sample collected 1.5 ft above ground, west orientation. NOTE: tree is mislabeled as E400 in field, but is really E401.
E402	WN1	MUE402WN1-C-26293	7/23/08	8:50	Core	NA	NA		Core for sapwood area analysis. Density, agronomy analysis; no VOCs analyses.
E428	WN1	MUE428-WN1-B-19207	7/21/08	14:30	Branch	ND	ND	152	Secondary branch. Sample collected 5 ft above ground, west orientation.
E428	WN1	MUE438-WN1-B-19208	7/21/08	14:50	Branch	ND	ND	30	Primary branch. Sample collected 1 ft above ground, south orientation.
E500	EC1	MUE500-EC1-B-19209	7/21/08	14:20	Branch	ND	ND	30	Secondary branch 8 in. off primary branch. Sample collected 1 ft above ground, west orientation. Tree EC2 is not there.
E502	WN1	MUE502-WN1-B-19210	7/21/08	14:22	Branch	< 1	ND	0	Primary branch. Sample collected at ground level, west orientation.
E507	EC	MUE507-EC-B-19211	7/21/08	14:25	Branch	ND	ND	91	Secondary branch 6 in. off main stem. Sample collected 3 ft above ground, south orientation.
E512	WN1	MUE512-WN1-B-19212	7/21/08	14:26	Branch	ND	ND	5	Primary branch. Sample collected 2 in. above ground, south orientation.
E517	WN1	MUE517-WN1-B-19213	7/21/08	14:27	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E522	EC	MUE522-EC-B-19214	7/21/08	14:31	Branch	< 1	ND	91	Primary branch. Sample collected 3 ft above ground, north orientation.
E527	WN2	MUE527-WN2-B-19215	7/21/08	14:35	Branch	ND	ND	122	Secondary branch. Sample collected 4 ft above ground, west orientation.
E532	WN1	MUE532-WN1-B-19216	7/21/08	14:45	Branch	ND	ND	168	Secondary branch 1 ft from main branch. Sample collected 5.5 ft above ground, east orientation.
E537	WN1	MUE537-WN1-B-19217	7/21/08	14:55	Branch	ND	ND	5	Secondary branch 6 in. off main stem. Sample collected 2 in. above ground, south orientation.
E542	WN	MUE542-WN-B-19218	7/21/08	15:10	Branch	ND	ND	152	Secondary branch 6 in. off main stem. Sample collected 5 ft above ground, north orientation.
E547	WN2	MUE547-WN2-B-19219	7/21/08	15:11	Branch	ND	ND	122	Primary branch. Sample collected 4 ft above ground, north orientation.
E550	WN1	MUE550-WN1-B-19220	7/21/08	15:15	Branch	ND	ND	152	Secondary branch. Sample collected 5 ft above ground, east orientation. Tree location is mislabeled in field as E556; true location is E550.
E555	WN1	MUE555-WN1-B-19221	7/21/08	15:20	Branch	ND	ND	152	Secondary branch 1.5 ft off main stem. Sample collected 5 ft above ground, east orientation.
E557	WN1	MUE557-WN1-B-19222	7/21/08	15:21	Branch	ND	ND	168	Secondary branch 2 in. off main stem. Sample collected 5.5 ft above ground, south orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E600	EC2	MUE600-EC2-B-19223	7/21/08	16:15	Branch	ND	ND	91	Secondary branch 1 ft off main stem. Sample collected 3 ft above ground, north orientation.
E601	WN1	MUE601-WN1-B-19224	7/21/08	16:16	Branch	ND	ND	5	Primary branch. Sample collected 2 in. above ground, northwest orientation.
E602	EC2	MUE602-EC2-B-19225	7/21/08	16:20	Branch	ND	ND	5	Primary branch. Sample collected 2 in. above ground, west-northwest orientation.
E659	WN1	MUE659-WN1-B-19226	7/21/08	15:30	Branch	< 1	ND	15	Primary branch. Sample collected 6 in. above ground, west orientation.
E700	EC1	MUE700-EC1-B-19227	7/21/08	16:21	Branch	ND	ND	122	Secondary branch 6 in. off main stem. Sample collected 4 ft above ground, north orientation.
E701	WN1	MUE701-WN1-B-19228	7/21/08	16:25	Branch	ND	ND	5	Primary branch. Sample collected 2 in. above ground, west orientation.
E702	EC2	MUE702-EC2-B-19229	7/21/08	16:26	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, south orientation.
E703	EC2	MUE703-EC2-B-19230	7/21/08	16:30	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, south orientation.
E704	EC	MUE704-EC-B-19231	7/21/08	16:31	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, southwest orientation.
E705	EC2	MUE705-EC2-B-19232	7/21/08	16:35	Branch	< 1	ND	152	Primary branch. Sample collected 5 ft above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E706	WN2	MUE706-WN2-B-19233	7/21/08	16:36	Branch	1	ND	0	Primary branch. Sample collected at ground level, west orientation.
E707	EC1	MUE707-EC1-B-19234	7/21/08	16:40	Branch	6	1	122	Secondary branch 6 in. off main stem. Sample collected 4 ft above ground, west orientation.
E708	EC2	MUE708-EC2-B-19235	7/21/08	16:41	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, east orientation.
E709	WN1	MUE709-WN1-B-19236	7/21/08	16:45	Branch	ND	ND	0	Primary branch. Sample collected at ground level, west orientation.
E710	EC	MUE710-EC-B-19237	7/21/08	16:46	Branch	ND	ND	122	Secondary branch 1 ft off main stem. Sample collected 4 ft above ground, north orientation.
E715	EC1	MUE715-EC1-B-19238	7/21/08	17:21	Branch	4	< 1	122	Secondary branch 10 in. off main stem. Sample collected 4 ft above ground, south orientation.
E715	EC2	MUE715-EC2-B-19239	7/21/08	17:22	Branch	< 1	ND	91	Secondary branch 1 ft off main stem. Sample collected 3 ft above ground, east orientation.
E720	EC	MUE720-EC-B-19240	7/21/08	17:25	Branch	ND	ND	137	Primary branch. Sample collected 4.5 ft above ground, north orientation.
E720	GA	MUE720-GA-B-19241	7/21/08	17:26	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, south orientation.
E725	EC	MUE725-EC-B-19242	7/21/08	17:30	Branch	ND	ND	122	Primary branch. Sample collected 4 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E730	EC	MUE730-EC-B-19243	7/21/08	17:31	Branch	ND	ND	152	Secondary branch 3 in. off main stem. Sample collected 5 ft above ground, northwest orientation.
E735	EC1	MUE735-EC1-B-19244	7/21/08	17:35	Branch	ND	ND	122	Primary branch. Sample collected 4 ft above ground, east orientation. Wet area.
E735	EC2	MUE735-EC2-B-19245	7/21/08	17:36	Branch	< 1	ND	152	Secondary branch 3 in. off main stem. Sample collected 5 ft above ground, east orientation. EC2 is bending down.
E740	EC	MUE740-EC-B-19246	7/21/08	17:40	Branch	ND	ND	122	Primary branch. Sample collected 1 ft from insertion, 4 ft above ground, west orientation.
E758	EC1	MUE758-EC1-B-19247	7/21/08	15:32	Branch	ND	ND	137	Secondary branch 4 in. off main stem. Sample collected 4.5 ft above ground, west orientation. No tags on tree. Sample collected from larger of two trees.
E800	EC2	MUE800-EC2-B-19248	7/21/08	17:20	Branch	ND	ND	91	Secondary branch 6 in. off main stem. Sample collected 3 ft above ground, west orientation.
E801	WN1	MUE801-WN1-B-19249	7/21/08	17:16	Branch	ND	ND	0	Primary branch. Sample collected at ground level, east orientation.
E802	EC	MUE802-EC-B-19250	7/21/08	17:15	Branch	< 1	ND	10	Primary branch. Sample collected 2 ft from insertion, 4 in. above ground, north orientation.
E803	EC2	MUE803-EC2-B-19251	7/21/08	17:12	Branch	< 1	ND	91	Secondary branch 1.5 ft off main stem. Sample collected 3 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E804	EC2	MUE804-EC2-B-19252	7/21/08	17:11	Branch	ND	ND	10	Primary branch. Sample collected 2 ft from insertion, 4 in. above ground, west orientation. Tree location is mislabeled in the field as E802, E804 is correct.
E805	EC	MUE805-EC-B-19253	7/21/08	17:10	Branch	ND	ND	107	Primary branch. Sample collected 2 ft from insertion, 3.5 ft above ground, west orientation.
E806	EC2	MUE806-EC2-B-19254	7/21/08	17:05	Branch	ND	ND	91	Secondary branch 1.5 ft off main stem. Sample collected 3 ft above ground, west orientation.
E807	EC	MUE807-EC-B-19255	7/21/08	17:01	Branch	ND	ND	107	Primary branch. Sample collected 3.5 ft above ground, north orientation.
E808	EC2	MUE808-EC2-B-19256	7/21/08	17:00	Branch	ND	< 1	107	Secondary branch 3 in. off main stem. Sample collected 3.5 ft above ground, south orientation.
E809	EC	MUE809-EC-B-19257	7/21/08	16:55	Branch	ND	ND	107	Secondary branch 1 in. off main stem. Sample collected 3.5 ft above ground, west orientation.
E810	EC1	MUE810-EC1-B-25130	7/21/08	16:47	Branch	ND	ND	91	Primary branch. Sample collected 3 ft above ground, east orientation.
E845	WN1	MUE845-WN1-B-25131	7/21/08	15:51	Branch	ND	ND	137	Primary branch. Sample collected 4.5 ft above ground, north orientation.
E845	WN2	MUE845-WN2-B-25132	7/21/08	15:52	Branch	ND	ND	152	Primary branch. Sample collected 5 ft above ground, west orientation.
E858	HP	MUE858-HP-B-25133	7/21/08	15:50	Branch	< 1	ND	152	Secondary branch 1 ft off main stem. Sample collected 5 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
E862	EC	MUE862-EC-B-25134	7/21/08	15:45	Branch	< 1	ND	91	Secondary branch 8 in. off main stem. Sample collected 3 ft above ground, east orientation.
E866	EC	MUE866-EC-B-25135	7/21/08	15:35	Branch	ND	ND	183	Primary branch. Sample collected 6 ft above ground, west orientation.
E866	GA	MUE866-GA-B-25136	7/21/08	15:43	Branch	ND	ND	122	Secondary branch 2 in. off main stem. Sample collected 4 ft above ground, east orientation.
E869	EC	MUE869-EC-B-25137	7/21/08	15:40	Branch	ND	ND	183	Secondary branch 6 in. off main stem. Sample collected 6 ft above ground, west orientation.
E871	EC	MUE871-EC-B-25138	7/21/08	15:33	Branch	ND	ND	152	Primary branch. Sample collected 5 ft above ground, west orientation.
W103	EC1	MUW103-EC1-B-25140	7/22/08	8:45	Branch	ND	ND	107	Primary branch. Sample collected 6 in. from insertion, 3.5 ft above ground, east orientation.
W104	WN1	MUW104-WN1-B-25141	7/22/08	8:46	Branch	< 1	ND	5	Primary branch. Sample collected 2 in. above ground, east orientation.
W106	WN	MUW106-WN-B-25142	7/22/08	8:47	Branch	< 1	ND	0	Primary branch. Sample collected at ground level, east orientation. Wet soil.
W107	WN2	MUW107-WN2-B-25143	7/22/08	8:50	Branch	4	7	15	Primary branch. Sample collected 6 in. above ground, east orientation. Wet soil.
W109	WN1	MUW109-WN1-B-25144	7/22/08	8:51	Branch	428	64	0	Primary branch. Sample collected at ground level, east orientation.
W109	WN1	MUW109-WN1-L-25145	7/22/08	8:52	Leaf	ND	ND	0	Leaf sample from branch sampled as ID 25144.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W109	WN2	MUW109-WN2-B-25146	7/22/08	8:53	Branch	29	4	5	Primary branch. Sample collected 2 in. above ground, east orientation.
W109	WN2	MUW109-WN2-L-25147	7/22/08	8:54	Leaf	ND	2	5	Leaf sample from branch sampled as ID 25146.
W110	WN1	MUW110-WN1-B-25148	7/22/08	8:55	Branch	8	7	15	Primary branch. Sample collected 6 in. above ground, west orientation.
W110	WN1	MUW110-WN1-L-25149	7/22/08	8:56	Leaf	< 1	1	15	Leaf sample from branch sampled as ID 25148.
W110	WN2	MUW110-WN2-B-26206	7/22/08	8:57	Branch	1	3	15	Primary branch. Sample collected 6 in. above ground, east orientation.
W111	WN1	MUW111-WN1-B-25151	7/22/08	9:01	Branch	3	2	15	Primary branch. Sample collected 6 in. above ground, west orientation.
W111	WN1	MUW111-WN1-L-25150	7/22/08	9:00	Leaf	< 1	1	15	Leaf sample from branch sampled as ID 25151.
W111	WN2	MUW111-WN2-B-25153	7/22/08	9:03	Branch	< 1	ND	15	Primary branch. Sample collected 6 in. above ground, west orientation.
W111	WN2	MUW111-WN2-L-25152	7/22/08	9:02	Leaf	ND	< 1	15	Leaf sample from branch sampled as ID 25153.
W114	WN2	MUW114-WN2-B-25154	7/22/08	9:05	Branch	1708	25	15	Primary branch. Sample collected 6 in. above ground, west orientation. Wet ground.
W119	WN1	MUW119-WN1-B-25155	7/22/08	9:06	Branch	114	27	122	Secondary branch 2 ft off main stem. Sample collected 4 ft above ground, west orientation. Wet ground.
W119	WN2	MUW119-WN2-B-25156	7/22/08	9:07	Branch	225	30	152	Primary branch. Sample collected 1.5 ft from intersect with main, 5 ft above ground, west orientation. Wet ground.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W121	WN2	MUW121-WN2-B-25157	7/22/08	9:15	Branch	6	1	15	Primary branch. Sample collected 6 in. above ground, west orientation. Wet ground.
W124	WN2	MUW124-WN2-B-25158	7/22/08	9:16	Branch	1	ND	15	Primary branch. Sample collected 6 in. above ground, west orientation. Wet ground.
W128	WN1	MUW128-WN1-B-25159	7/22/08	9:20	Branch	3	2	152	Secondary branch 2 ft from insertion point. Sample collected 5 ft above ground, east orientation. Wet ground.
W128	WN2	MUW128-WN2-B-26120	7/22/08	9:21	Branch	2	3	15	Primary branch. Sample collected 6 in. above ground, west orientation.
W129	WN2	MUW129-WN2-B-26121	7/22/08	9:22	Branch	7	6	152	Tertiary branch, 12 in. from insertion, 1 in. off main stem. Sample collected 5 ft above ground, east orientation.
W132	WN1	MUW132-WN1-B-26122	7/22/08	9:25	Branch	2	2	122	Secondary branch 2 ft from insertion point. Sample collected 4 ft above ground, west orientation. Wet ground but accessible.
W132	WN2	MUW132-WN2-B-26123	7/22/08	9:26	Branch	10	4	122	Primary branch. Sample collected 4 ft above ground, north orientation.
W134	WN1	MUW134-WN1-B-26124	7/22/08	9:30	Branch	< 1	ND	91	Secondary branch at insertion point. Sample collected 3 ft above ground, northwest orientation.
W139	WN1	MUW139-WN1-B-26125	7/22/08	9:35	Branch	ND	ND	152	Secondary branch 6 in. off main stem. Sample collected 5 ft above ground, west orientation. Tree WN1 was sampled; tree WN2 is dead.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W144	WN2	MUW144-WN2-B-26126	7/22/08	9:36	Branch	ND	ND	152	Secondary branch 2 ft from main insertion. Sample collected 5 ft above ground, south orientation. No water on ground; dry area.
W148	WN2	MUW148-WN2-B-26127	7/22/08	9:40	Branch	3	3	152	Secondary branch 6 in. off main stem. Sample collected 5 ft above ground, southwest orientation. No tag on tree; there is a ribbon. Wet ground.
W153	WN2	MUW153-WN2-B-26128	7/22/08	9:41	Branch	< 1	1	122	Primary branch. Sample collected 4 ft above ground, northeast orientation. Only tree at this location. Dry soil.
W157	WN1	MUW157-WN1-B-26129	7/22/08	9:45	Branch	< 1	ND	152	Secondary branch 1 in. off main stem. Sample collected 5 ft above ground, east orientation. Dry ground.
W158	WN1	MUW158-WN1-B-26130	7/22/08	9:46	Branch	< 1	2	122	Secondary branch 2.5 ft from insertion. Sample collected 4 ft above ground, east orientation. Dry ground.
W158	WN2	MUW158-WN2-B-26131	7/22/08	9:47	Branch	< 1	2	152	Secondary branch 2.5 ft from main insertion. Sample collected 5 ft above ground, west orientation.
W159	EC2	MUW159-EC2-B-26132	7/22/08	9:50	Branch	ND	ND	30	Secondary branch 1.5 ft from insertion point. Sample collected 1 ft above ground, south orientation.
W203	WN1	MUW203-WN1-B-26133	7/22/08	10:00	Branch	58	8	5	Primary branch. Sample collected 2 in. above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W210	WN1	MUW210-WN1-B-26134	7/22/08	10:05	Branch	40	3	5	Primary branch. Sample collected 2 in. above ground, west orientation.
W210	WN2	MUW210-WN2-B-26135	7/22/08	10:06	Branch	91	15	5	Primary branch. Sample collected 2 in. above ground, west orientation. Wet ground.
W211	EC	MUW211-EC-B-26136	7/22/08	10:10	Branch	19	20	107	Secondary branch at insertion point. Sample collected 3.5 ft above ground, east orientation. Wet ground.
W211	EC	MUW211-EC-L-26207	7/22/08	10:16	Leaf	ND	< 1	0	Leaf sample from same tree as the branch sampled as ID 26136, but not from the same branch. Sample of leaves closest to the air sampler.
W212	WN2	MUW212-WN2-B-26137	7/22/08	10:15	Branch	4	3	152	Secondary branch 6 in. from insertion point. Sample collected 5 ft above ground, east orientation. Aphids on tree; wet ground.
W303	EC1	MUW303-EC1-B-26138	7/22/08	10:19	Branch	54	10	107	Primary branch. Sample collected 3.5 ft above ground, west orientation.
W308	EC	MUW308-EC-B-26140	7/22/08	10:18	Branch	31	17	122	Secondary branch 2 ft from insertion point. Sample collected 4 ft above ground, west orientation.
W308	EC	MUW308-EC-L-26139	7/22/08	10:17	Leaf	< 1	ND	122	Secondary branch 2 ft from insertion point. Sample collected 4 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W357	WN1	MUW357-WN1-B-26141	7/22/08	10:51	Branch	ND	ND	152	Secondary branch 1.5 ft from insertion point. Sample collected 5 ft above ground, north orientation. Dry ground.
W402	EC2	MUW402-EC2-B-26142	7/22/08	10:20	Branch	2	3	122	Secondary branch 6 in. from insertion point. Sample collected 4 ft above ground, north orientation. Dry ground.
W407	WN1	MUW407-WN1-B-26143	7/22/08	10:21	Branch	52	9	0	Primary branch. Sample collected at ground level, north orientation. Dry ground.
W407	WN2	MUW407-WN2-B-26144	7/22/08	10:22	Branch	460	30	0	Primary branch. Sample collected at ground level, north orientation.
W412	EC2	MUW412-EC2-B-26145	7/22/08	10:25	Branch	ND	ND	61	Secondary branch 2 ft from insertion point. Sample collected 2 ft above ground, southeast orientation. Wet ground.
W417	EC1	MUW417EC1-B9-26232	7/22/08	16:42	Branch	5	14		At 86 in. from B8.
W417	EC1	MUW417EC1-B11-26234	7/22/08	16:45	Branch	8	15		At 7.3 in. from B10.
W417	EC1	MUW417EC1-B10-26233	7/22/08	16:43	Branch	12	17		At 10 in. from base of log 3.
W417	EC1	MUW417EC1-C10-26244	7/22/08	17:22	Core	20	22		Core cross section at B10.
W417	EC1	MUW417EC1-C11-26245	7/22/08	17:23	Core	22	27		Core cross section at B11.
W417	EC1	MUW417EC1-B4-26227	7/22/08	16:33	Branch	27	16		At 3 in. above B3.
W417	EC1	MUW417EC1-B8-26231	7/22/08	16:41	Branch	50	27		At 12 in. above B7.
W417	EC1	MUW417EC1-B3-26226	7/22/08	16:32	Branch	59	30		At 18 in. above B2.
W417	EC1	MUW417EC1-B7-26230	7/22/08	16:40	Branch	79	33		At 11 in. above B6.
W417	EC1	MUW417EC1-C8-26243	7/22/08	17:21	Core	84	37		Core cross section at B8.
W417	EC1	MUW417EC1-B5-26228	7/22/08	16:35	Branch	86	31		At 12 in. above B4.
W417	EC1	MUW417EC1-B6-26229	7/22/08	16:36	Branch	86	35		At 3.5 in. from base of log 2.
W417	EC1	MUW417EC1-C7-26242	7/22/08	17:20	Core	91	35		Core cross section at B7.
W417	EC1	MUW417EC1-C1-26236	7/22/08	17:00	Core	97	21		Core cross section at B1.
W417	EC1	MUW417EC1-C5-26240	7/22/08	17:11	Core	100	31		Core cross section at B5.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W417	EC1	MUW417EC1-C2-26237	7/22/08	17:01	Core	111	30		Core cross section at B2.
W417	EC1	MUW417EC1-C6-26241	7/22/08	17:15	Core	126	38		Core cross section at B6.
W417	EC1	MUW417EC1-B1-26224	7/22/08	16:30	Branch	126	27		Begin sampling harvested tree W417-EC1. Sample collected 36 in. from base of log 1.
W417	EC1	MUW417EC1-B2-26225	7/22/08	16:31	Branch	138	35		At 1.3 in. above B1, west side.
W417	EC1	MUW417EC1-C3-26238	7/22/08	17:05	Core	144	34		Core cross section at B3.
W417	EC1	MUW417EC1-C4-26239	7/22/08	17:10	Core	163	45		Core cross section at B4.
W417	EC1	MUW417-EC1-B-26146	7/22/08	10:26	Branch	300	36	91	Primary branch 6 in. from main. Sample collected 3 ft above ground, east orientation. Wet ground. Tree collapsed.
W417	EC1	MUW417EC1-B12-26235	7/22/08	16:46	Branch	< 1	9		At 77 in. from B11.
W417	EC1	MUW417EC1-BB-26247	7/22/08	17:25	Branch	NA	NA		Representative small branch samples for density, agronomy analyses; no VOCs analyses.
W417	EC1	MUW417EC1-L1-26246	7/22/08	17:24	Leaf	NA	NA		Leaf sample for LAI; no VOCs analyses.
W417	EC1	MUW417EC1-T-26248	7/22/08	17:30	Core	NA	NA		Representative trunk sample for density, agronomy analyses; no VOCs analyses.
W422	EC2	MUW422-EC2-B-26147	7/22/08	10:30	Branch	104	20	152	Secondary branch 2 ft from main insertion point. Sample collected 5 ft above ground, north orientation.
W426	EC2	MUW426-EC2-B-26148	7/22/08	10:31	Branch	7	8	152	Primary branch. Sample collected 5 ft above ground, 1 ft from main stem, south orientation.
W427	EC	MUW427-EC-B-26149	7/22/08	10:32	Branch	149	34	152	Secondary branch 1.5 ft from insertion point. Sample collected 5 ft above ground, south orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W427	GA	MUW427-GA-B-26150	7/22/08	10:33	Branch	2	4	122	Primary branch. Sample collected 4 ft above ground, 2.5 ft from main insert, east orientation. Wet area.
W432	EC	MUW432-EC-B-26151	7/22/08	10:40	Branch	< 1	2	152	Primary branch. Sample collected 5 ft above ground, east orientation.
W436	WN2	MUW436-WN2-B-26152	7/22/08	10:41	Branch	< 1	1	0	Primary branch. Sample collected at ground level, south orientation.
W447	WN	MUW447-WN-B-26153	7/22/08	10:45	Branch	2	2	15	Primary branch. Sample collected 6 in. above ground, east orientation. Dry ground.
W452	WN2	MUW452-WN2-B-26154	7/22/08	10:46	Branch	< 1	ND	15	Primary branch. Sample collected 6 in. above ground, west orientation.
W457	EC	MUW457-EC-B-26155	7/22/08	10:50	Branch	ND	ND	107	Primary branch. Sample collected 3.5 ft above ground, north orientation.
W505	EC1	MUW505-EC1-B-26156	7/22/08	8:25	Branch	2	2	168	Secondary branch 1 ft off main stem. Sample collected 5.5 ft above ground, west orientation.
W505	EC1	MUW505-EC1-L-26157	7/22/08	8:27	Leaf	ND	2	168	Leaf sample from branch sampled as ID 26156.
W505	EC2	MUW505-EC2-B-26158	7/22/08	8:26	Branch	2	2	122	Primary branch. Sample collected 4 ft above ground, north orientation.
W505	EC2	MUW505-EC2-L-26159	7/22/08	8:28	Leaf	ND	< 1	122	Leaf sample from branch sampled as ID 26158.
W601	EC	MUW601-EC-B-26160	7/22/08	8:40	Branch	< 1	ND	91	Secondary branch 1 ft off main stem. Sample collected 3 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W606	EC1	MUW606-EC1-B-26161	7/22/08	8:30	Branch	1274	58	152	Primary branch. Sample collected 5 ft above ground, south orientation.
W606	EC2	MUW606-EC2-B-26162	7/22/08	8:31	Branch	465	68	168	Primary branch. Sample collected 5.5 ft above ground, south orientation.
W611	EC1	MUW611-EC1-B-26163	7/22/08	8:35	Branch	122	5	76	Primary branch. Sample collected 2.5 ft above ground, south orientation.
W616	EC1	MUW616-EC1-B-26164	7/22/08	12:15	Branch	34	27	122	Primary branch at 6 in. from insertion. Sample collected 4 ft above ground, east orientation. Wet ground. Tree fell over but is still alive. EC2 tree is dead.
W621	EC	MUW621-EC-B-26165	7/22/08	12:20	Branch	123	16	5	Secondary branch 2 in. from main stem. Sample collected 2 in. above ground, south orientation.
W626	EC	MUW626-EC-B-26166	7/22/08	12:21	Branch	< 1	ND	122	Secondary branch 3 in. from insertion. Sample collected 4 ft above ground, south orientation.
W636	EC	MUW636-EC-B-26167	7/22/08	12:25	Branch	< 1	< 1	122	Secondary branch 1.5 ft from insertion. Sample collected 4 ft above ground, east orientation.
W641	EC1	MUW641-EC1-B-26168	7/22/08	12:30	Branch	ND	ND	152	Primary branch. Sample collected 5 ft above ground, east orientation.
W646	WN1	MUW646-WN1-B-26169	7/22/08	12:31	Branch	9	4	5	Primary branch. Sample collected 2 in. above ground, south orientation. Dry ground.
W651	WN2	MUW651-WN2-B-26170	7/22/08	12:35	Branch	ND	1	15	Primary branch. Sample collected 6 in. above ground, south orientation. Dry ground.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W800	EC1	MUW800-EC1-B-26171	7/22/08	11:20	Branch	ND	ND	15	Secondary branch at insertion point. Sample collected 6 in. above ground, south orientation. Dry ground.
W801	EC2	MUW801-EC2-B-26172	7/22/08	11:21	Branch	< 1	ND	137	Primary branch. Sample collected 4.5 ft above ground, approx 3 ft from insert, east orientation. Dry ground.
W802	EC2	MUW802-EC2-B-26173	7/22/08	11:25	Branch	15	3	137	Primary branch. Sample collected 4.5 ft above ground, 4 in. from main insert, east orientation. Dry ground.
W803	WN1	MUW803-WN1-B-26174	7/22/08	11:26	Branch	5	2	5	Primary branch. Sample collected 2 in. above ground, east orientation. Dry ground.
W804	EC	MUW804-EC-B-26175	7/22/08	11:30	Branch	1	1	5	Secondary branch 6 in. off main trunk. Sample collected 2 in. above ground, west orientation.
W805	WN1	MUW805-WN1-B-26176	7/22/08	11:31	Branch	671	12	5	Primary branch. Sample collected 2 in. above ground, east orientation. Dry ground.
W806	EC2	MUW806-EC2-B-26177	7/22/08	11:35	Branch	383	16	122	Secondary branch 6 in. off main stem. Sample collected 4 ft above ground, east orientation.
W807	WN	MUW807-WN-B-26178	7/22/08	11:40	Branch	60	8	0	Primary branch. Sample collected at ground level, west orientation.
W808	WN2	MUW808-WN2-B-26179	7/22/08	11:41	Branch	85	5	30	Primary branch. Sample collected 1 ft above ground, north orientation. Dry ground.
W809	EC2	MUW809-EC2-B-26180	7/22/08	11:42	Branch	1303	55	122	Primary branch. Sample collected 4 ft above ground, south orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W810	EC2	MUW810-EC2-B-26182	7/22/08	11:46	Branch	1528	31	122	Secondary branch 1 ft from insertion. Sample collected 4 ft above ground, west orientation.
W810	EC2	MUW810-EC2-B-26181	7/22/08	11:45	Branch	2396	68	5	Primary branch. Sample collected 2 in. above ground, north orientation. Dry ground.
W815	EC2	MUW815-EC2-B-26183	7/22/08	13:01	Branch	< 1	ND	152	Secondary branch at 1.5 ft from main insertion. Sample collected 5 ft above ground, east orientation. Wet.
W820	EC1	MUW820-EC1-B-26184	7/22/08	13:00	Branch	1	ND	168	Primary branch. Sample collected 5.5 ft above ground, east orientation.
W820	EC2	MUW820-EC2-B-26185	7/22/08	12:55	Branch	< 1	ND	152	Primary branch. Sample collected 5 ft above ground, north orientation.
W825	EC1	MUW825-EC1-B-26186	7/22/08	12:53	Branch	< 1	ND	122	Primary branch. Sample collected 4 ft above ground, east orientation.
W830	EC	MUW830-EC-B-26187	7/22/08	12:52	Branch	8	2	137	Secondary branch 6 in. from main. Sample collected 4.5 ft above ground, north orientation.
W835	EC	MUW835-EC-B-26188	7/22/08	12:51	Branch	< 1	ND	91	Secondary branch at 1 ft from main insertion. Sample collected 3 ft above ground, south orientation.
W840	WN1	MUW840-WN1-B-26189	7/22/08	12:50	Branch	ND	ND	15	Primary branch. Sample collected 6 in. above ground, south orientation.
W845	EC1	MUW845-EC1-B-26190	7/22/08	12:46	Branch	ND	ND	152	Primary branch. Sample collected 5 ft above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W849	EC1	MUW849-EC1-B-26191	7/22/08	12:45	Branch	ND	ND	137	Primary branch 6 in. from main trunk. Sample collected 4.5 ft above ground, north orientation.
W854	EC	MUW854-EC-B-26192	7/22/08	12:41	Branch	< 1	ND	46	Primary branch. Sample collected 1.5 ft above ground, south orientation.
W854	GA	MUW854-GA-B-26193	7/22/08	12:40	Branch	ND	ND	0	Secondary branch at 6 in. from main insertion. Sample collected at ground level, south orientation.
W859	EC	MUW859-EC-B-26194	7/22/08	12:36	Branch	< 1	ND	91	Primary branch at 1 ft from insertion. Sample collected 3 ft above ground, north orientation.
W900	EC1	MUW900-EC1-B-26195	7/22/08	12:06	Branch	< 1	ND	122	Primary branch at 2.5 ft from intersect. Sample collected 4 ft above ground, east orientation. Dry ground.
W901	EC1	MUW901-EC1-B-26196	7/22/08	12:05	Branch	12	3	137	Secondary branch 1.5 ft from main stem. Sample collected 4.5 ft above ground, east orientation.
W902	EC2	MUW902-EC2-B-26197	7/22/08	12:02	Branch	1	< 1	137	Secondary branch 1.5 ft from main stem. Sample collected 4.5 ft above ground, west orientation.
W903	EC	MUW903-EC-B-26198	7/22/08	12:01	Branch	49	4	30	Secondary branch 6 in. from insertion. Sample collected 1 ft above ground, west orientation.
W904	EC2	MUW904-EC2-B-26199	7/22/08	12:00	Branch	14	4	122	Secondary branch 1 ft from insertion. Sample collected 4 ft above ground, south orientation. Dry.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
W905	EC1	MUW905-EC1-B-26200	7/22/08	11:56	Branch	56	4	91	Secondary branch 1 ft from insertion. Sample collected 3 ft above ground, east orientation.
W906	EC2	MUW906-EC2-B-26201	7/22/08	11:55	Branch	229	17	137	Primary branch. Sample collected 4.5 ft above ground, north orientation.
W907	EC2	MUW907-EC2-B-26202	7/22/08	11:51	Branch	69	9	137	Secondary branch 1 ft from insertion. Sample collected 4.5 ft above ground, east orientation.
W908	EC1	MUW908-EC1-B-26203	7/22/08	11:50	Branch	1660	58	152	Secondary branch 6 in. from insertion. Sample collected 5 ft above ground, south orientation. Dry ground. No tag on tree.
W909	EC1	MUW909-EC1-B-26204	7/22/08	11:48	Branch	207	14	91	Primary branch. Sample collected 3 ft above ground, south orientation. Dry ground.
W910	EC2	MUW910-EC2-B-26205	7/22/08	11:47	Branch	< 1	ND	30	Primary branch. Sample collected 1 ft above ground, east orientation. Dry ground.
PREWET1		MUPREWET1-B-26251	7/23/08	9:01	Branch	ND	ND	183	Secondary branch 2 ft from insertion. Sample collected 6 ft above ground, west orientation. Same location as 2007 sample.
PREWET1		MUPREWET1-L-26250	7/23/08	9:00	Leaf	ND	1	183	Leaf sample.
Bruttig-3	Ash	MUBRUTTIG3-B-26208	7/22/08	14:20	Branch	ND	ND	244	Fifth order branch, 1 ft from main stem. Sample collected 8 ft above ground, south orientation.
School-1	Ash	MUSCHOOL1-B-26209	7/22/08	14:21	Branch	ND	ND	305	Tertiary branch. Sample collected 10 ft above ground, north orientation.
Grass-01		MUGRASS01-G-26210	7/22/08	15:35	N	5	2		Wild rye underneath W118.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
Grass-02		MUGRASS02-G-26211	7/22/08	15:41	N	ND	ND		Grass not identified.
Grass-03		MUGRASS03-G-26212	7/22/08	15:40	N	ND	ND		Wild rye.
Grass-04		MUGRASS04-G-26213	7/22/08	15:46	N	ND	ND		Switch grass near W643.
Grass-05		MUGRASS05-G-26214	7/22/08	15:45	N	ND	ND		Wild rye near W744.
Grass-06		MUGRASS06-G-26252	7/23/08	9:10	N	ND	ND		Switch grass at outfall of TD5, approximately 10 ft up from water edge.
Grass-09		MUGRASS09-G-26255	7/23/08	10:30	N	ND	ND		Bulrush at 2007 Grass-9 GPS point (stake).
Grass-10		MUGRASS10-G-26215	7/22/08	15:30	N	< 1	ND		Wild rye 2 ft west of W109 piezometer.
Grass-11		MUGRASS11-G-26216	7/22/08	15:31	N	ND	ND		Bulrush 5 ft south of W109.
Grass-12		MUGRASS12-G-26217	7/22/08	15:00	N	ND	ND		Bluestem 2 ft east of piezometer W505.
Grass-13		MUGRASS13-G-26218	7/22/08	15:01	N	ND	1		Switch grass 5 ft east of W505 EC2 tree.
Grass-14		MUGRASS14-G-26256	7/23/08	9:15	N	ND	ND		Knotweed.
Grass-15		MUGRASS15-G-26257	7/23/08	9:25	N	ND	ND		Young willow at water's edge at same location as 2007 sample.
Grass-16		MUGRASS16-G-26258	7/23/08	9:45	N	ND	ND		Leaves collected from water surface at location 16.
Grass-17		MUGRASS17-G-26259	7/23/08	9:30	N	ND	ND		Cattail just south of north-south wetland partitioning.
Grass-18		MUGRASS18-G-26260	7/23/08	9:35	N	ND	ND		Bulrush at sample location Grass-18 in 2007. Found 2007 stake.
Grass-19		MUGRASS19-G-26261	7/23/08	9:41	N	ND	ND		Bulrush at sample location Grass-19 in 2007.
Grass-20		MUGRASS20-G-26262	7/23/08	9:50	N	ND	ND		Cattail at 2007 Grass-20 location. Stake found.
Grass-21		MUGRASS21-G-26263	7/23/08	9:55	N	ND	ND		Willow at water's edge same location as Grass-20.
Grass-22		MUGRASS22-G-26264	7/23/08	10:05	N	ND	ND		Reed on east side of north wetland just south of concrete wall.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in July 2008 (cont.)									
Grass-23		MUGRASS23-G-26265	7/23/08	10:25	N	ND	ND		Willow at water's edge, same Grass-23 2007 location, GPS.
Grass-24		MUGRASS24-G-26266	7/23/08	10:26	N	< 1	ND		Bulrush, same location as Grass-23.
Grass-25		MUGRASS25-B-26267	7/23/08	10:15	N	ND	ND		Cottonwood at GPS location Grass-25 in 2007. (No arrowhead found.)
Grass-26		MUGRASS26-G-26268	7/23/08	10:20	N	ND	ND		Arrowhead ??
Grass-27		MUGRASS27-G-26269	7/23/08	10:10	N	ND	ND		Cattail at GPS location Grass-27 in 2007.
Grass-28		MUGRASS28-G-26270	7/23/08	10:21	N	5	ND		Reed at Grass-28 2007 location. Found stake, GPS.
Grass-29		MUGRASS29-G-26219	7/22/08	15:05	N	< 1	ND		Switch grass 8 ft southeast of W806, equidistant with W804.
Grass-30		MUGRASS30-G-26220	7/22/08	15:15	N	ND	ND		Switch grass 2 ft northwest of W808 EC2.
Grass-31		MUGRASS31-G-26221	7/22/08	15:16	N	43	6		Blanket flower 1 ft from W707 EC2.
Grass-32		MUGRASS32-G-26222	7/22/08	15:20	N	< 1	ND		Wild rye between W809 and W810.
Grass-33		MUGRASS33-G-26223	7/22/08	15:25	N	5	7		Switch grass 8 ft southwest of W407.
Grass-34		MUGRASS34-B-26271	7/23/08	9:16	N	ND	ND		Cottonwood sapling growing at water's edge, same location as Grass-14. Stems collected at 6 in. above ground.
Grass-35		MUGRASS35-B-26272	7/23/08	9:31	N	ND	ND		Willow growing at water's edge halfway between Grass-15 and Grass-17.
Grass-36		MUGRASS36-B-26273	7/23/08	9:40	N	ND	ND		Willow at water's edge same location as Grass-18.
Grass-37		MUGRASS37-G-26274	7/23/08	10:31	N	< 1	ND		Leaves from water surface just south of concrete wall on west side of weir.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in October 2008									
E106	WN1	MUE106WN1-B-27429	10/7/08	12:00	Branch	< 1	ND	152	Secondary branch 5 ft above ground; 6 in. from main. East orientation.
E111	WN1	MUE111WN1-B-27425	10/7/08	11:50	Branch	ND	ND	122	Branch tip 4 ft above ground. North orientation. Bad looking tree.
E112	WN2	MUE112WN2-B-27426	10/7/08	11:51	Branch	ND	ND	15	Basal sucker 6 in. above ground. Northeast orientation.
E113	WN1	MUE113WN1-B-27427	10/7/08	11:52	Branch	ND	ND	30	Sucker off main stem 1 ft above ground. South orientation.
E206	WN1	MUE206WN1-B-27430	10/7/08	12:05	Branch	ND	ND	61	Primary sucker off main trunk 2 ft above ground. North orientation. Water is flowing in the area.
E207	WN1	MUE207WN1-B-27431	10/7/08	12:06	Branch	ND	ND	122	Branch tip 4 ft above ground. North orientation. Bad tree.
E207	WN2	MUE207WN2-B-27432	10/7/08	12:07	Branch	< 1	ND	122	Branch tip 4 ft above ground. North orientation. Bad tree.
E308	WN2	MUE308WN2-B-27433	10/7/08	12:08	Branch	ND	ND	213	Secondary branch 7 ft above ground; 2 ft from main stem. West orientation.
E309	WN1	MUE309WN1-B-27434	10/7/08	12:10	Branch	< 1	ND	15	Basal sucker 6 in. above ground. South orientation.
E319	WN2	MUE319WN2-B-27428	10/7/08	11:55	Branch	ND	ND	183	Secondary branch 6 ft above ground; 6 in. from main stem. Northeast orientation.
E340	WN2	MUE340WN2-B-27423	10/7/08	11:36	Branch	< 1	ND	122	Secondary branch 4 ft above ground; 6 in. from main stem. West orientation.
E555	WN1	MUE555WN1-B-27421	10/7/08	11:31	Branch	< 1	ND	198	Secondary branch 6.5 ft above ground; 2 ft from main stem. East orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in October 2008 (cont.)									
E557	WN1	MUE557WN1-B-27420	10/7/08	11:30	Branch	< 1	ND	183	Secondary branch; 6 ft above ground; 12 in. from main. East orientation.
E659	WN1	MUE659WN1-B-27422	10/7/08	11:35	Branch	ND	ND	20	Sucker off main stem; 8 in. above ground. North orientation.
E659	WN2	MUE659WN2-B-27424	10/7/08	11:37	Branch	< 1	ND	15	Sucker off main stem; 6 in. above ground. South orientation. Large diameter tree.
W109	WN1	MUW109WN1-B-27437	10/7/08	13:20	Branch	15	ND	20	Primary sucker 8 in. above ground. East orientation.
W109	WN2	MUW109WN2-B-27438	10/7/08	13:21	Branch	22	2	30	Primary sucker 12 in. above ground. North orientation.
W110	WN1	MUW110WN1-B-27439	10/7/08	13:25	Branch	7	2	122	Secondary branch 4 ft above ground; 12 in. from main stem. Northeast orientation.
W110	WN2	MUW110WN2-B-27440	10/7/08	13:26	Branch	ND	ND	122	Secondary branch 4 ft above ground; 12 in. from main stem. Northeast orientation.
W119	WN1	MUW119WN1-B-26312	10/7/08	11:10	Branch	17	1	183	Primary branch 6 ft above ground. East orientation.
W119	WN1	MUW119WN1-B-27445	10/8/08	9:25	Branch	6	2	122	Daily time series. Secondary branch 4 ft above ground; 1 ft from main. North orientation.
W119	WN1	MUW119WN1-B-27461	10/9/08	9:10	Branch	5	1	183	Daily time series. Secondary branch 6 ft above ground; 8 in. from main stem. East orientation.
W119	WN2	MUW119WN2-B-26313	10/7/08	11:11	Branch	1	< 1	183	Primary branch 6 ft above ground. East orientation.
W119	WN2	MUW119WN2-B-27446	10/8/08	9:26	Branch	4	1	213	Daily time series. Primary branch tip 7 ft above ground. Northeast orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in October 2008 (cont.)									
W119	WN2	MUW119WN2-B-27462	10/9/08	9:11	Branch	9	1	213	Daily time series. Primary branch 7 ft above ground. North orientation.
W157	WN1	MUW157WN1-B-26314	10/7/08	11:15	Branch	ND	ND	152	Primary branch 5 ft above ground. East orientation.
W158	WN1	MUW158WN1-B-26315	10/7/08	11:16	Branch	ND	ND	20	Suckers off trunk; 8 in. above ground. East orientation.
W158	WN2	MUW158WN2-B-26316	10/7/08	11:17	Branch	ND	ND	20	Sucker off main; 8 in. above ground. East orientation.
W159	EC2	MUW159EC2-B-26317	10/7/08	11:18	Branch	ND	ND	183	Primary branch 6 ft above ground. Northeast orientation. Very few leaves left on tree.
W357	WN1	MUW357WN1-B-26318	10/7/08	11:20	Branch	ND	ND	15	Sucker off main stem; 6 in. above ground. East orientation.
W404	EC1	MUW404EC1-B-26296	10/7/08	10:40	Branch	< 1	ND	122	Secondary branch 4 ft up; 6 in. from main stem. South orientation.
W404	EC2	MUW404EC2-B-26297	10/7/08	10:41	Branch	< 1	< 1	122	Primary branch 4 ft above ground. East orientation.
W457	EC	MUW457EC-B-26319	10/7/08	11:21	Branch	< 1	ND	183	Secondary branch 6 ft up; 6 in. from main stem. North orientation. Tree in bad shape with canker; leaves eaten up by caterpillars. Much smaller tree than those at nearby locations.
W504	WN1	MUW504WN1-B-26302	10/7/08	10:47	Branch	4	< 1	15	Basal sucker; 6 in. above ground. Northeast orientation.
W504	WN2	MUW504WN2-B-26303	10/7/08	10:48	Branch	1	ND	15	Basal sucker; 6 in. above ground. Northeast orientation.
W505	EC1	MUW505EC1-B-26298	10/7/08	10:44	Branch	< 1	ND	183	Primary branch; 6 ft above ground. West orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in October 2008 (cont.)									
W505	EC1	MUW505EC1-B-27441	10/8/08	9:15	Branch	< 1	< 1	152	Daily time series on second day of sampling. Secondary branch 5 ft above ground; 10 in. off main stem. West orientation.
W505	EC1	MUW505EC1-B-27447	10/9/08	9:00	Branch	< 1	1	183	Daily time series on third day of sampling. Primary branch 6 ft above ground. West orientation.
W505	EC2	MUW505EC2-B-26299	10/7/08	10:45	Branch	ND	ND	183	Secondary branch; 6 ft above ground; 6 in. from main. South orientation.
W505	EC2	MUW505EC2-B-27448	10/9/08	9:01	Branch	ND	ND	183	Daily time series. Primary branch 6 ft above ground. East orientation.
W506	EC	MUW506EC-B-26300	10/7/08	10:46	Branch	67	4	137	Primary branch; 4.5 ft above ground. East orientation.
W605	WN1	MUW605WN1-B-26304	10/7/08	10:49	Branch	< 1	ND	30	Suckers off main stem; 12 in. above ground. North orientation.
W605	WN2	MUW605WN2-B-26305	10/7/08	10:50	Branch	11	2	30	Sucker off main stem; 12 in. above ground. North orientation.
W606	EC1	MUW606EC1-B-26306	10/7/08	10:51	Branch	ND	ND	91	Secondary branch; 3 ft above ground; 1 ft from main stem. North orientation.
W606	EC1	MUW606EC1-B-27444	10/8/08	9:21	Branch	21	1	152	Daily time series. Secondary branch 5 ft above ground; 8 in. from main stem. West orientation.
W606	EC1	MUW606EC1-B-27449	10/9/08	9:02	Branch	18	2	152	Daily time series. Primary branch 5 ft above ground. East orientation.

TABLE B.1 (Cont.)

Location	Species[a]	Sample	Date	Time	Type	Concentration[b] (µg/kg) Carbon Tetrachloride	Chloroform	Height[c] (cm)	Sample Description
Sampling in October 2008 (cont.)									
W606	EC2	MUW606EC2-B-26307	10/7/08	10:52	Branch	7	2	183	Secondary branch; 6 ft above ground; 1 ft from main stem. East orientation.
W606	EC2	MUW606EC2-B-27443	10/8/08	9:20	Branch	25	2	183	Daily time series. Secondary branch 6 ft above ground; 8 in. from main stem. West orientation.
W606	EC2	MUW606EC2-B-27460	10/9/08	9:05	Branch	11	1	168	Daily time series. Primary branch 5.5 ft above ground. West orientation.
W706	EC1	MUW706EC1-B-26308	10/7/08	10:55	Branch	2	< 1	122	Secondary branch; 4 ft above ground; 6 in. from main. South orientation.
W706	EC2	MUW706EC2-B-26309	10/7/08	10:56	Branch	23	1	122	Primary branch 4 ft above ground. East orientation.
W707	EC	MUW707EC-B-26310	10/7/08	11:00	Branch	1	ND	122	Primary branch 4 ft above ground. North orientation.
W805	EC2	MUW805EC2-B-27442	10/8/08	9:16	Branch	< 1	ND	152	Daily time series. Primary branch 5 ft above ground. North orientation.
Bruttig-3	Ash	MUBRUTTIG3-B-27435	10/7/08	13:05	Branch	ND	ND	183	Tertiary branch 6 ft above ground; 6 ft from main stem. West orientation. Ash tree.
School-1	Ash	MUSCHOOL1-B-27436	10/7/08	13:10	Branch	ND	ND	122	Sucker off main stem 4 ft above ground. South orientation. Ash tree.

TABLE B.1 (Cont.)

[a] Tree species: EC, eastern cottonwood; GA, green ash; HP, hybrid poplar; NC, northern catalpa; WN, Niobe willow. Numerals 1 and 2 distinguish two trees of the same species at a single location.

[b] Concentrations are rounded to whole numbers.

[c] Sample height is measured from the branch insertion point to ground level.

[d] ND, contaminant not detected at reporting limits of 0.1 μg/kg for carbon tetrachloride and 0.75 μg/kg for chloroform.

[e] < 1, concentration below the method quantitation limit of 1.0 μg/kg.

[f] NA, not analyzed for this constituent.

Supplementary Material for

Summary of Operations and Performance of the Murdock Site Restoration Project in 2008

ANL/EVS/AGEM/TR-09-06

CD Contents

Supplement 1: Water Level Recorder Data

Supplement 1 contains water level data recorded automatically during 2008 in the 16 monitoring wells identified in Figure 2.3. The data are presented as follows:

- Table S1.1: Rainfall data from the on-site weather station
- Table S1.2: Water level data for upgradient wells
- Table S1.3: Water level data for headwaters area wells
- Table S1.4: Water level data for downgradient wells
- Table S1.5: Water level measurements at the wetlands outfall and calculated discharge flow rates

The discharge flow rates presented in Table S1.5 were calculated as discussed in Supplement 1 of the previous performance report (Argonne 2008).

Supplement 2: Sap Flow Data

Sap flux data (in milliliters of sap per centimeter-hour) were obtained from thermal dissipation probes installed in 18 trees in the phytoremediation planting area at Murdock for approximately one month at the peak of the 2008 transpiration season (July-August). The complete data set is in Table S2.1. The measured data were multiplied by the surface area of the active sapwood per tree, and hence for the tree stand, to obtain estimates of total daily tree water use. The results are discussed in Section 4.3.1.2 and are summarized in Table 4.4.

TABLE S1.1 Rainfall data collected by the on-site weather station in 2008 (values used to plot rainfall in figures).

Date	Time	Rain (in.)
1/6/08	6:00	0
1/6/08	8:00	0.01
1/6/08	10:00	0
1/7/08	2:00	0
1/7/08	4:00	0.02
1/7/08	6:00	0
1/7/08	8:00	0
1/7/08	10:00	0.01
1/7/08	12:00	0
1/10/08	12:00	0
1/10/08	14:00	0.02
1/10/08	16:00	0
2/17/08	6:00	0
2/17/08	8:00	0.01
2/17/08	10:00	0.02
2/17/08	12:00	0
2/19/08	12:00	0
2/19/08	14:00	0.01
2/19/08	16:00	0
2/24/08	8:00	0
2/24/08	10:00	0.01
2/24/08	12:00	0
2/25/08	12:00	0
2/25/08	14:00	0.11
2/25/08	16:00	0.06
2/25/08	18:00	0.01
2/25/08	20:00	0
2/27/08	10:00	0
2/27/08	12:00	0.03
2/27/08	14:00	0.02
2/27/08	16:00	0
2/28/08	10:00	0
2/28/08	12:00	0.01
2/28/08	14:00	0.04
2/28/08	16:00	0
3/2/08	16:00	0
3/2/08	18:00	0.11
3/2/08	20:00	0
3/2/08	22:00	0.01
3/3/08	0:00	0
3/3/08	12:00	0

Table S1.1 (Cont.)

Date	Time	Rain (in.)
3/3/08	14:00	0.01
3/3/08	16:00	0
3/7/08	14:00	0
3/7/08	16:00	0.01
3/7/08	18:00	0
3/17/08	8:00	0
3/17/08	10:00	0.11
3/17/08	12:00	0
3/17/08	18:00	0
3/17/08	20:00	0.01
3/17/08	22:00	0.01
3/18/08	0:00	0
3/19/08	6:00	0
3/19/08	8:00	0.01
3/19/08	10:00	0
3/19/08	18:00	0
3/19/08	20:00	0.03
3/19/08	22:00	0
3/31/08	2:00	0
3/31/08	4:00	0.19
3/31/08	6:00	0.36
3/31/08	8:00	0.08
3/31/08	10:00	0.06
3/31/08	12:00	0
3/31/08	16:00	0
3/31/08	18:00	0.01
3/31/08	20:00	0
4/3/08	6:00	0
4/3/08	8:00	0.05
4/3/08	10:00	0.02
4/3/08	12:00	0.26
4/3/08	14:00	0.06
4/3/08	16:00	0
4/7/08	18:00	0
4/7/08	20:00	0.01
4/7/08	22:00	0.21
4/8/08	0:00	0.03
4/8/08	2:00	0
4/8/08	4:00	0.01
4/8/08	6:00	0
4/8/08	10:00	0
4/8/08	12:00	0.01
4/8/08	14:00	0.01
4/8/08	16:00	0
4/9/08	2:00	0
4/9/08	4:00	0.01

Table S1.1 (Cont.)

Date	Time	Rain (in.)
4/9/08	6:00	0
4/9/08	22:00	0
4/10/08	0:00	0.05
4/10/08	2:00	0.15
4/10/08	4:00	0.04
4/10/08	6:00	0.05
4/10/08	8:00	0.03
4/10/08	10:00	0.05
4/10/08	12:00	0.16
4/10/08	14:00	0.1
4/10/08	16:00	0.42
4/10/08	18:00	0
4/10/08	20:00	0
4/10/08	22:00	0.02
4/11/08	0:00	0.01
4/11/08	2:00	0.01
4/11/08	4:00	0.01
4/11/08	6:00	0.04
4/11/08	8:00	0.02
4/11/08	10:00	0
4/11/08	16:00	0
4/11/08	18:00	0.01
4/11/08	20:00	0
4/12/08	8:00	0
4/12/08	10:00	0.01
4/12/08	12:00	0
4/17/08	4:00	0
4/17/08	6:00	0.6
4/17/08	8:00	0.24
4/17/08	10:00	0.01
4/17/08	12:00	0
4/17/08	14:00	0.02
4/17/08	16:00	0.06
4/17/08	18:00	0.02
4/17/08	20:00	0.02
4/17/08	22:00	0.13
4/18/08	0:00	0.02
4/18/08	2:00	0
4/18/08	4:00	0.06
4/18/08	6:00	0.25
4/18/08	8:00	0.41
4/18/08	10:00	0.01
4/18/08	12:00	0.01
4/18/08	14:00	0.04
4/18/08	16:00	0
4/18/08	22:00	0

Table S1.1 (Cont.)

Date	Time	Rain (in.)
4/19/08	0:00	0.01
4/19/08	2:00	0
4/24/08	18:00	0
4/24/08	20:00	0.02
4/24/08	22:00	0
4/25/08	0:00	0
4/25/08	2:00	0.15
4/25/08	4:00	0.22
4/25/08	6:00	0.01
4/25/08	8:00	0
4/25/08	10:00	0.01
4/25/08	12:00	0
4/26/08	18:00	0
4/26/08	20:00	0.07
4/26/08	22:00	0.07
4/27/08	0:00	0.01
4/27/08	2:00	0
5/2/08	2:00	0
5/2/08	4:00	0.14
5/2/08	6:00	0
5/2/08	8:00	0.05
5/2/08	10:00	0.17
5/2/08	12:00	0
5/2/08	18:00	0
5/2/08	20:00	0.01
5/2/08	22:00	0.01
5/3/08	0:00	0.1
5/3/08	2:00	0.02
5/3/08	4:00	0
5/6/08	22:00	0
5/7/08	0:00	0.26
5/7/08	2:00	0.08
5/7/08	4:00	0
5/7/08	6:00	0.01
5/7/08	8:00	0
5/8/08	22:00	0
5/9/08	0:00	0.04
5/9/08	2:00	0.15
5/9/08	4:00	0.31
5/9/08	6:00	0.07
5/9/08	8:00	0
5/10/08	2:00	0
5/10/08	4:00	0.16
5/10/08	6:00	0
5/10/08	10:00	0
5/10/08	12:00	0.07

Table S1.1 (Cont.)

Date	Time	Rain (in.)
5/10/08	14:00	0.07
5/10/08	16:00	0.23
5/10/08	18:00	0.23
5/10/08	20:00	0.04
5/10/08	22:00	0.03
5/11/08	0:00	0.01
5/11/08	2:00	0
5/22/08	2:00	0
5/22/08	4:00	0.01
5/22/08	6:00	0
5/22/08	8:00	0.1
5/22/08	10:00	0.14
5/22/08	12:00	0.17
5/22/08	14:00	0
5/23/08	2:00	0
5/23/08	4:00	0.72
5/23/08	6:00	0.02
5/23/08	8:00	0
5/23/08	10:00	0.01
5/23/08	12:00	0.01
5/23/08	14:00	0.02
5/23/08	16:00	0
5/23/08	22:00	0
5/24/08	0:00	0.03
5/24/08	2:00	0.05
5/24/08	4:00	0.22
5/24/08	6:00	0
5/25/08	18:00	0
5/25/08	20:00	0.01
5/25/08	22:00	0
5/28/08	0:00	0
5/28/08	2:00	0.01
5/28/08	4:00	0
5/28/08	6:00	0.01
5/28/08	8:00	0
5/29/08	22:00	0
5/30/08	0:00	0.04
5/30/08	2:00	0
6/2/08	6:00	0
6/2/08	8:00	0.01
6/2/08	10:00	0
6/3/08	6:00	0
6/3/08	8:00	0.01
6/3/08	10:00	0
6/4/08	20:00	0
6/4/08	22:00	0.63

Table S1.1 (Cont.)

Date	Time	Rain (in.)
6/5/08	0:00	0.01
6/5/08	2:00	0.03
6/5/08	4:00	0.16
6/5/08	6:00	0
6/7/08	18:00	0
6/7/08	20:00	0.01
6/7/08	22:00	0
6/8/08	2:00	0
6/8/08	4:00	0.15
6/8/08	6:00	0.19
6/8/08	8:00	0
6/11/08	2:00	0
6/11/08	4:00	0.04
6/11/08	6:00	0
6/11/08	18:00	0
6/11/08	20:00	0.06
6/11/08	22:00	0.23
6/12/08	0:00	0.01
6/12/08	2:00	0.01
6/12/08	4:00	0
6/15/08	8:00	0
6/15/08	10:00	0.12
6/15/08	12:00	0
6/17/08	22:00	0
6/18/08	0:00	0.01
6/18/08	2:00	0
6/19/08	14:00	0
6/19/08	16:00	0.01
6/19/08	18:00	0.05
6/19/08	20:00	0.7
6/19/08	22:00	0
6/21/08	20:00	0
6/21/08	22:00	0.01
6/22/08	0:00	0
6/24/08	4:00	0
6/24/08	6:00	0.01
6/24/08	8:00	0
6/24/08	14:00	0
6/24/08	16:00	0.02
6/24/08	18:00	0
6/26/08	10:00	0
6/26/08	12:00	0.17
6/26/08	14:00	0
6/27/08	16:00	0
6/27/08	18:00	0.03
6/27/08	20:00	0

Table S1.1 (Cont.)

Date	Time	Rain (in.)
7/2/08	20:00	0
7/2/08	22:00	0.01
7/3/08	0:00	0
7/5/08	8:00	0
7/5/08	10:00	0.01
7/5/08	12:00	0
7/6/08	18:00	0
7/6/08	20:00	0.01
7/6/08	22:00	0.01
7/7/08	0:00	0
7/11/08	22:00	0
7/12/08	0:00	0.03
7/12/08	2:00	0
7/12/08	10:00	0
7/12/08	12:00	0.01
7/12/08	14:00	0
7/14/08	6:00	0
7/14/08	8:00	0.01
7/14/08	10:00	0
7/15/08	20:00	0
7/15/08	22:00	0.24
7/16/08	0:00	0.17
7/16/08	2:00	0.01
7/16/08	4:00	0.02
7/16/08	6:00	0
7/17/08	16:00	0
7/17/08	18:00	0.45
7/17/08	20:00	0
7/22/08	10:00	0
7/22/08	12:00	0.02
7/22/08	14:00	0
7/22/08	16:00	0.13
7/22/08	18:00	0
7/31/08	6:00	0
7/31/08	8:00	0.01
8/1/08	2:00	0
8/9/08	8:00	0
8/9/08	10:00	0.02
8/9/08	12:00	0
8/10/08	16:00	0
8/10/08	18:00	0.1
8/10/08	20:00	0
8/12/08	0:00	0
8/12/08	2:00	0.25
8/12/08	4:00	0.01
8/12/08	6:00	0

Table S1.1 (Cont.)

Date	Time	Rain (in.)
8/24/08	6:00	0
8/24/08	8:00	0.01
8/24/08	10:00	0
9/2/08	12:00	0
9/2/08	14:00	0.05
9/2/08	16:00	0.04
9/2/08	18:00	0
9/5/08	10:00	0
9/5/08	12:00	0.01
9/5/08	14:00	0
9/5/08	16:00	0.06
9/5/08	18:00	0
9/6/08	14:00	0
9/6/08	16:00	0.01
9/6/08	18:00	0
9/6/08	20:00	0
9/6/08	22:00	0.37
9/7/08	0:00	0
9/8/08	4:00	0
9/8/08	6:00	0.05
9/8/08	8:00	0.17
9/8/08	10:00	0.1
9/8/08	12:00	0.01
9/8/08	14:00	0
9/9/08	10:00	0
9/9/08	12:00	0.01
9/9/08	14:00	0
9/11/08	6:00	0
9/11/08	8:00	0.02
9/11/08	10:00	0.26
9/11/08	12:00	0
9/11/08	14:00	0
9/11/08	16:00	0.08
9/11/08	18:00	0.12
9/11/08	20:00	0.29
9/11/08	22:00	0
9/13/08	6:00	0
9/13/08	8:00	0.01
9/13/08	10:00	0
9/13/08	12:00	0.01
9/13/08	14:00	0
9/22/08	2:00	0
9/22/08	4:00	0.01
9/22/08	6:00	0.07
9/22/08	8:00	0.11
9/22/08	10:00	0.19

Table S1.1 (Cont.)

Date	Time	Rain (in.)
9/22/08	12:00	0
9/22/08	14:00	0
9/22/08	16:00	0.05
9/22/08	18:00	0
9/23/08	14:00	0
9/23/08	16:00	0.08
9/23/08	18:00	0.26
9/23/08	20:00	0
9/24/08	10:00	0
9/24/08	12:00	0.03
9/24/08	14:00	0
10/8/08	14:00	0
10/8/08	16:00	0.22
10/8/08	18:00	0
10/13/08	2:00	0
10/13/08	4:00	0.07
10/13/08	6:00	0.5
10/13/08	8:00	0.21
10/13/08	10:00	0.2
10/13/08	12:00	0.09
10/13/08	14:00	0.05
10/13/08	16:00	0
10/14/08	12:00	0
10/14/08	14:00	0.01
10/14/08	16:00	0.04
10/14/08	18:00	0.17
10/14/08	20:00	0.14
10/14/08	22:00	0.06
10/15/08	0:00	0.02
10/15/08	2:00	0.12
10/15/08	4:00	0.26
10/15/08	6:00	0.04
10/15/08	8:00	0.02
10/15/08	10:00	0
10/17/08	2:00	0
10/17/08	4:00	0.01
10/17/08	6:00	0.08
10/17/08	8:00	0
10/17/08	10:00	0
10/17/08	12:00	0.01
10/17/08	14:00	0
10/21/08	12:00	0
10/21/08	14:00	0.02
10/21/08	16:00	0.16
10/21/08	18:00	0.08
10/21/08	20:00	0.03

Table S1.1 (Cont.)

Date	Time	Rain (in.)
10/21/08	22:00	0
10/22/08	0:00	0.01
10/22/08	2:00	0.33
10/22/08	4:00	0.18
10/22/08	6:00	0.32
10/22/08	8:00	0.06
10/22/08	10:00	0.06
10/22/08	12:00	0.04
10/22/08	14:00	0.02
10/22/08	16:00	0.01
10/22/08	18:00	0.01
10/22/08	20:00	0.13
10/22/08	22:00	0.06
10/23/08	0:00	0.03
10/23/08	2:00	0.01
10/23/08	4:00	0.01
10/23/08	6:00	0
10/23/08	12:00	0
10/23/08	14:00	0.01
10/23/08	16:00	0.02
10/23/08	18:00	0.05
10/23/08	20:00	0.01
10/23/08	22:00	0
10/24/08	0:00	0
10/24/08	2:00	0.03
10/24/08	4:00	0
10/24/08	6:00	0
10/24/08	8:00	0.01
10/24/08	10:00	0.06
10/24/08	12:00	0
11/5/08	16:00	0
11/5/08	18:00	0.09
11/5/08	20:00	0
11/6/08	14:00	0
11/6/08	16:00	0.01
11/6/08	18:00	0
11/10/08	12:00	0
11/10/08	14:00	0.02
11/10/08	16:00	0.16
11/10/08	18:00	0.08
11/10/08	20:00	0.02
11/10/08	22:00	0.04
11/11/08	0:00	0
11/11/08	2:00	0.01
11/11/08	4:00	0
11/11/08	6:00	0.05

Table S1.1 (Cont.)

Date	Time	Rain (in.)
11/11/08	8:00	0
11/11/08	10:00	0.03
11/11/08	12:00	0.05
11/11/08	14:00	0.08
11/11/08	16:00	0.06
11/11/08	18:00	0.08
11/11/08	20:00	0
11/13/08	12:00	0
11/13/08	14:00	0.01
11/13/08	16:00	0.01
11/13/08	18:00	0.08
11/13/08	20:00	0
11/14/08	18:00	0
11/14/08	20:00	0.01
11/14/08	22:00	0.01
11/15/08	0:00	0
11/29/08	0:00	0
11/29/08	2:00	0.03
11/29/08	4:00	0.01
11/29/08	6:00	0
11/29/08	8:00	0.01
11/29/08	10:00	0.01
11/29/08	12:00	0.02
11/29/08	14:00	0.01
11/29/08	16:00	0
12/12/08	8:00	0
12/12/08	10:00	0.01
12/12/08	12:00	0
12/17/08	12:00	0
12/17/08	14:00	0.02
12/17/08	16:00	0
12/23/08	12:00	0
12/23/08	14:00	0.03
12/23/08	16:00	0.03
12/23/08	18:00	0
12/25/08	20:00	0
12/25/08	22:00	0.01
12/26/08	0:00	0.06
12/26/08	2:00	0.18
12/26/08	4:00	0.12
12/26/08	6:00	0.01
12/26/08	8:00	0

TABLE S1.2 Automatically measured water levels in upgradient wells in 2008.

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/1/08	0:00	31.088	40.855	18.094
1/1/08	4:00	31.193	40.972	18.169
1/1/08	8:00	31.282	41.054	18.209
1/1/08	12:00	31.387	41.169	18.284
1/1/08	16:00	31.431	41.193	18.284
1/1/08	20:00	31.492	41.263	18.321
1/2/08	0:00	31.539	41.312	18.351
1/2/08	4:00	31.569	41.331	18.358
1/2/08	8:00	31.615	41.385	18.396
1/2/08	12:00	31.678	41.439	18.426
1/2/08	16:00	31.634	41.345	18.34
1/2/08	20:00	31.569	41.277	18.284
1/3/08	0:00	31.501	41.2	18.232
1/3/08	4:00	31.394	41.061	18.129
1/3/08	8:00	31.27	40.911	18.026
1/3/08	12:00	31.179	40.827	17.989
1/3/08	16:00	31.058	40.695	17.904
1/3/08	20:00	31.004	40.66	17.895
1/4/08	0:00	30.96	40.623	17.874
1/4/08	4:00	30.916	40.571	17.846
1/4/08	8:00	30.872	40.534	17.83
1/4/08	12:00	30.86	40.52	17.823
1/4/08	16:00	30.783	40.428	17.759
1/4/08	20:00	30.755	40.412	17.759
1/5/08	0:00	30.711	40.353	17.72
1/5/08	4:00	30.671	40.318	17.699
1/5/08	8:00	30.643	40.299	17.699
1/5/08	12:00	30.648	40.297	17.699
1/5/08	16:00	30.592	40.234	17.652
1/5/08	20:00	30.573	40.222	17.649
1/6/08	0:00	30.55	40.187	17.624
1/6/08	4:00	30.538	40.198	17.647
1/6/08	8:00	30.589	40.28	17.72
1/6/08	12:00	30.666	40.367	17.78
1/6/08	16:00	30.713	40.412	17.809
1/6/08	20:00	30.771	40.468	17.844
1/7/08	0:00	30.79	40.454	17.818
1/7/08	4:00	30.776	40.463	17.837
1/7/08	8:00	30.729	40.4	17.776
1/7/08	12:00	30.771	40.447	17.813
1/7/08	16:00	30.792	40.47	17.834
1/7/08	20:00	30.853	40.557	17.902

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/8/08	0:00	30.874	40.55	17.886
1/8/08	4:00	30.876	40.541	17.869
1/8/08	8:00	30.949	40.653	17.965
1/8/08	12:00	31.023	40.731	18.014
1/8/08	16:00	31.072	40.787	18.052
1/8/08	20:00	31.151	40.867	18.101
1/9/08	0:00	31.193	40.899	18.113
1/9/08	4:00	31.179	40.85	18.066
1/9/08	8:00	31.14	40.801	18.021
1/9/08	12:00	31.142	40.808	18.028
1/9/08	16:00	31.03	40.651	17.902
1/9/08	20:00	30.997	40.651	17.919
1/10/08	0:00	30.993	40.644	17.916
1/10/08	4:00	30.953	40.602	17.888
1/10/08	8:00	30.932	40.59	17.881
1/10/08	12:00	30.932	40.604	17.904
1/10/08	16:00	30.928	40.592	17.9
1/10/08	20:00	30.986	40.667	17.956
1/11/08	0:00	31.028	40.712	17.989
1/11/08	4:00	31.039	40.71	17.982
1/11/08	8:00	31.035	40.7	17.97
1/11/08	12:00	31.044	40.7	17.965
1/11/08	16:00	31.007	40.66	17.932
1/11/08	20:00	31.032	40.714	17.986
1/12/08	0:00	31.077	40.761	18.024
1/12/08	4:00	31.135	40.836	18.082
1/12/08	8:00	31.217	40.939	18.162
1/12/08	12:00	31.317	41.04	18.23
1/12/08	16:00	31.354	41.052	18.218
1/12/08	20:00	31.413	41.132	18.279
1/13/08	0:00	31.448	41.153	18.281
1/13/08	4:00	31.466	41.162	18.283
1/13/08	8:00	31.473	41.169	18.288
1/13/08	12:00	31.499	41.19	18.295
1/13/08	16:00	31.441	41.096	18.213
1/13/08	20:00	31.452	41.15	18.269
1/14/08	0:00	31.522	41.244	18.351
1/14/08	4:00	31.578	41.303	18.386
1/14/08	8:00	31.632	41.347	18.414
1/14/08	12:00	31.688	41.415	18.459
1/14/08	16:00	31.674	41.364	18.403
1/14/08	20:00	31.667	41.357	18.393
1/15/08	0:00	31.641	41.317	18.361

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/15/08	4:00	31.578	41.239	18.297
1/15/08	8:00	31.485	41.132	18.223
1/15/08	12:00	31.408	41.028	18.148
1/15/08	16:00	31.268	40.862	18.026
1/15/08	20:00	31.203	40.834	18.033
1/16/08	0:00	31.182	40.817	18.028
1/16/08	4:00	31.226	40.904	18.113
1/16/08	8:00	31.31	41.012	18.199
1/16/08	12:00	31.413	41.127	18.283
1/16/08	16:00	31.457	41.143	18.281
1/16/08	20:00	31.499	41.195	18.323
1/17/08	0:00	31.522	41.2	18.316
1/17/08	4:00	31.494	41.15	18.279
1/17/08	8:00	31.445	41.092	18.23
1/17/08	12:00	31.45	41.117	18.258
1/17/08	16:00	31.401	41.038	18.183
1/17/08	20:00	31.38	41.033	18.19
1/18/08	0:00	31.373	41.033	18.19
1/18/08	4:00	31.378	41.04	18.195
1/18/08	8:00	31.427	41.132	18.286
1/18/08	12:00	31.597	41.364	18.475
1/18/08	16:00	31.681	41.404	18.475
1/18/08	20:00	31.76	41.493	18.536
1/19/08	0:00	31.865	41.612	18.618
1/19/08	4:00	31.891	41.605	18.583
1/19/08	8:00	31.895	41.608	18.583
1/19/08	12:00	31.94	41.661	18.625
1/19/08	16:00	31.9	41.575	18.536
1/19/08	20:00	31.877	41.565	18.534
1/20/08	0:00	31.879	41.572	18.541
1/20/08	4:00	31.879	41.579	18.56
1/20/08	8:00	31.902	41.615	18.59
1/20/08	12:00	31.949	41.664	18.625
1/20/08	16:00	31.886	41.549	18.52
1/20/08	20:00	31.884	41.596	18.571
1/21/08	0:00	31.881	41.556	18.531
1/21/08	4:00	31.811	41.464	18.461
1/21/08	8:00	31.746	41.399	18.412
1/21/08	12:00	31.704	41.354	18.389
1/21/08	16:00	31.634	41.27	18.333
1/21/08	20:00	31.657	41.359	18.421
1/22/08	0:00	31.758	41.479	18.52
1/22/08	4:00	31.846	41.568	18.583

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/22/08	8:00	31.877	41.579	18.581
1/22/08	12:00	31.879	41.563	18.56
1/22/08	16:00	31.797	41.439	18.454
1/22/08	20:00	31.741	41.397	18.426
1/23/08	0:00	31.692	41.338	18.389
1/23/08	4:00	31.643	41.289	18.356
1/23/08	8:00	31.606	41.265	18.356
1/23/08	12:00	31.662	41.357	18.436
1/23/08	16:00	31.713	41.425	18.492
1/23/08	20:00	31.867	41.603	18.627
1/24/08	0:00	31.947	41.661	18.66
1/24/08	4:00	31.968	41.678	18.665
1/24/08	8:00	32.003	41.711	18.681
1/24/08	12:00	32.047	41.753	18.712
1/24/08	16:00	32.01	41.678	18.637
1/24/08	20:00	31.977	41.657	18.623
1/25/08	0:00	31.97	41.638	18.609
1/25/08	4:00	31.914	41.554	18.534
1/25/08	8:00	31.83	41.46	18.473
1/25/08	12:00	31.779	41.406	18.435
1/25/08	16:00	31.69	41.303	18.363
1/25/08	20:00	31.676	41.329	18.396
1/26/08	0:00	31.662	41.307	18.384
1/26/08	4:00	31.641	41.293	18.382
1/26/08	8:00	31.653	41.314	18.403
1/26/08	12:00	31.725	41.406	18.482
1/26/08	16:00	31.732	41.399	18.471
1/26/08	20:00	31.786	41.467	18.527
1/27/08	0:00	31.797	41.462	18.513
1/27/08	4:00	31.797	41.455	18.506
1/27/08	8:00	31.804	41.462	18.513
1/27/08	12:00	31.793	41.436	18.496
1/27/08	16:00	31.692	41.272	18.349
1/27/08	20:00	31.604	41.193	18.3
1/28/08	0:00	31.525	41.103	18.239
1/28/08	4:00	31.417	40.979	18.15
1/28/08	8:00	31.301	40.857	18.07
1/28/08	12:00	31.198	40.733	17.982
1/28/08	16:00	31.081	40.616	17.886
1/28/08	20:00	31.128	40.721	17.958
1/29/08	0:00	31.142	40.759	17.965
1/29/08	4:00	31.207	40.848	18.017
1/29/08	8:00	31.359	41.071	18.188

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/29/08	12:00	31.515	41.204	18.251
1/29/08	16:00	31.606	41.286	18.295
1/29/08	20:00	31.727	41.422	18.386
1/30/08	0:00	31.8	41.481	18.414
1/30/08	4:00	31.835	41.5	18.419
1/30/08	8:00	31.853	41.511	18.424
1/30/08	12:00	31.902	41.568	18.457
1/30/08	16:00	31.825	41.46	18.361
1/30/08	20:00	31.865	41.537	18.436
1/31/08	0:00	31.937	41.619	18.506
1/31/08	4:00	31.972	41.643	18.52
1/31/08	8:00	32.021	41.701	18.566
1/31/08	12:00	32.059	41.732	18.581
1/31/08	16:00	32.019	41.65	18.501
1/31/08	20:00	32.005	41.654	18.515
2/1/08	0:00	31.975	41.61	18.48
2/1/08	4:00	31.928	41.568	18.457
2/1/08	8:00	31.886	41.516	18.421
2/1/08	12:00	31.863	41.502	18.419
2/1/08	16:00	31.788	41.387	18.323
2/1/08	20:00	31.767	41.401	18.358
2/2/08	0:00	31.769	41.399	18.356
2/2/08	4:00	31.776	41.415	18.377
2/2/08	8:00	31.807	41.481	18.445
2/2/08	12:00	31.893	41.579	18.527
2/2/08	16:00	31.94	41.612	18.543
2/2/08	20:00	31.968	41.643	18.566
2/3/08	0:00	32.007	41.659	18.574
2/3/08	4:00	31.989	41.631	18.55
2/3/08	8:00	31.963	41.591	18.513
2/3/08	12:00	31.937	41.554	18.482
2/3/08	16:00	31.832	41.427	18.377
2/3/08	20:00	31.788	41.411	18.393
2/4/08	0:00	31.769	41.373	18.358
2/4/08	4:00	31.648	41.2	18.227
2/4/08	8:00	31.592	41.181	18.23
2/4/08	12:00	31.622	41.246	18.297
2/4/08	16:00	31.653	41.291	18.342
2/4/08	20:00	31.765	41.446	18.471
2/5/08	0:00	31.881	41.551	18.541
2/5/08	4:00	31.94	41.636	18.616
2/5/08	8:00	31.977	41.643	18.597
2/5/08	12:00	31.998	41.636	18.578

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/5/08	16:00	31.942	41.563	18.524
2/5/08	20:00	31.97	41.617	18.578
2/6/08	0:00	31.972	41.596	18.55
2/6/08	4:00	31.937	41.556	18.522
2/6/08	8:00	31.923	41.549	18.52
2/6/08	12:00	31.956	41.603	18.566
2/6/08	16:00	31.935	41.558	18.524
2/6/08	20:00	31.963	41.612	18.574
2/7/08	0:00	32	41.647	18.597
2/7/08	4:00	31.991	41.608	18.557
2/7/08	8:00	31.968	41.596	18.555
2/7/08	12:00	31.977	41.61	18.569
2/7/08	16:00	31.926	41.528	18.494
2/7/08	20:00	31.902	41.516	18.492
2/8/08	0:00	31.858	41.446	18.435
2/8/08	4:00	31.788	41.382	18.396
2/8/08	8:00	31.769	41.389	18.414
2/8/08	12:00	31.835	41.479	18.492
2/8/08	16:00	31.851	41.483	18.489
2/8/08	20:00	31.895	41.549	18.545
2/9/08	0:00	31.93	41.561	18.543
2/9/08	4:00	31.935	41.558	18.545
2/9/08	8:00	31.963	41.619	18.599
2/9/08	12:00	32.098	41.797	18.742
2/9/08	16:00	32.252	41.957	18.85
2/9/08	20:00	32.38	42.088	18.934
2/10/08	0:00	32.492	42.198	19.004
2/10/08	4:00	32.576	42.287	19.048
2/10/08	8:00	32.667	42.384	19.109
2/10/08	12:00	32.756	42.475	19.163
2/10/08	16:00	32.716	42.374	19.051
2/10/08	20:00	32.663	42.301	18.995
2/11/08	0:00	32.597	42.229	
2/11/08	4:00	32.511	42.126	
2/11/08	8:00	32.408	42.025	
2/11/08	12:00	32.369	41.971	
2/11/08	16:00	32.266	41.861	
2/11/08	20:00	32.278	41.919	
2/12/08	0:00	32.301	41.95	
2/12/08	4:00	32.308	41.95	
2/12/08	8:00	32.31	41.962	
2/12/08	12:00	32.345	41.999	
2/12/08	16:00	32.294	41.912	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/12/08	20:00	32.296	41.936	
2/13/08	0:00	32.273	41.891	
2/13/08	4:00	32.238	41.858	
2/13/08	8:00	32.194	41.807	
2/13/08	12:00	32.175	41.79	
2/13/08	16:00	32.056	41.619	
2/13/08	20:00	31.977	41.53	
2/14/08	0:00	31.93	41.504	
2/14/08	4:00	31.961	41.582	
2/14/08	8:00	31.996	41.631	
2/14/08	12:00	32.117	41.793	
2/14/08	16:00	32.278	41.969	
2/14/08	20:00	32.432	42.135	
2/15/08	0:00	32.558	42.257	
2/15/08	4:00	32.616	42.301	
2/15/08	8:00	32.672	42.346	
2/15/08	12:00	32.73	42.402	
2/15/08	16:00	32.672	42.294	
2/15/08	20:00	32.621	42.245	
2/16/08	0:00	32.593	42.198	
2/16/08	4:00	32.53	42.121	
2/16/08	8:00	32.448	42.039	
2/16/08	12:00	32.362	41.915	
2/16/08	16:00	32.215	41.748	
2/16/08	20:00	32.117	41.659	
2/17/08	0:00	32.038	41.575	
2/17/08	4:00	31.926	41.446	
2/17/08	8:00	31.863	41.42	
2/17/08	12:00	31.951	41.577	
2/17/08	16:00	31.319	41.687	
2/17/08	20:00	32.149	41.814	
2/18/08	0:00	32.205	41.833	
2/18/08	4:00	32.285	41.926	
2/18/08	8:00	32.308	41.936	
2/18/08	12:00	32.387	42.037	
2/18/08	16:00	32.448	42.102	
2/18/08	20:00	32.506	42.161	
2/19/08	0:00	32.558	42.203	
2/19/08	4:00	32.574	42.208	
2/19/08	8:00	32.539	42.14	
2/19/08	12:00	32.478	42.072	
2/19/08	16:00	32.385	41.962	
2/19/08	20:00	32.411	42.048	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/20/08	0:00	32.551	42.231	
2/20/08	4:00	32.674	42.353	
2/20/08	8:00	32.772	42.466	
2/20/08	12:00	32.877	42.559	
2/20/08	16:00	32.83	42.461	
2/20/08	20:00	32.807	42.442	
2/21/08	0:00	32.781	42.393	
2/21/08	4:00	32.73	42.325	
2/21/08	8:00	32.637	42.229	
2/21/08	12:00	32.623	42.231	
2/21/08	16:00	32.539	42.112	
2/21/08	20:00	32.502	42.107	
2/22/08	0:00	32.502	42.107	
2/22/08	4:00	32.481	42.083	
2/22/08	8:00	32.488	42.105	
2/22/08	12:00	32.511	42.126	
2/22/08	16:00	32.483	42.074	
2/22/08	20:00	32.467	42.076	
2/23/08	0:00	32.495	42.105	
2/23/08	4:00	32.511	42.121	
2/23/08	8:00	32.511	42.109	
2/23/08	12:00	32.537	42.151	
2/23/08	16:00	32.537	42.137	
2/23/08	20:00	32.567	42.198	
2/24/08	0:00	32.616	42.238	
2/24/08	4:00	32.632	42.241	
2/24/08	8:00	32.609	42.205	
2/24/08	12:00	32.607	42.203	
2/24/08	16:00	32.553	42.13	
2/24/08	20:00	32.504	42.083	
2/25/08	0:00	32.464	42.03	
2/25/08	4:00	32.383	41.912	
2/25/08	8:00	32.31	41.856	
2/25/08	12:00	32.299	41.865	
2/25/08	16:00	32.355	41.976	
2/25/08	20:00	32.53	42.198	
2/26/08	0:00	32.677	42.348	
2/26/08	4:00	32.772	42.419	
2/26/08	8:00	32.851	42.508	
2/26/08	12:00	32.933	42.585	
2/26/08	16:00	32.938	42.55	
2/26/08	20:00	32.886	42.475	
2/27/08	0:00	32.856	42.442	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/27/08	4:00	32.823	42.416	
2/27/08	8:00	32.821	42.419	
2/27/08	12:00	32.83	42.428	
2/27/08	16:00	32.786	42.363	
2/27/08	20:00	32.758	42.341	
2/28/08	0:00	32.737	42.313	
2/28/08	4:00	32.693	42.259	
2/28/08	8:00	32.623	42.18	
2/28/08	12:00	32.593	42.17	
2/28/08	16:00	32.537	42.09	
2/28/08	20:00	32.532	42.114	
2/29/08	0:00	32.567	42.158	
2/29/08	4:00	32.628	42.252	
2/29/08	8:00	32.751	42.402	
2/29/08	12:00	32.851	42.489	
2/29/08	16:00	32.868	42.473	
2/29/08	20:00	32.87	42.468	
3/1/08	0:00	32.854	42.428	
3/1/08	4:00	32.781	42.325	
3/1/08	8:00	32.667	42.18	
3/1/08	12:00	32.583	42.102	
3/1/08	16:00	32.495	42.006	
3/1/08	20:00	32.422	41.94	
3/2/08	0:00	32.369	41.877	
3/2/08	4:00	32.278	41.755	
3/2/08	8:00	32.18	41.659	
3/2/08	12:00	32.212	41.772	
3/2/08	16:00	32.334	41.919	
3/2/08	20:00	32.448	42.06	
3/3/08	0:00	32.569	42.198	
3/3/08	4:00	32.66	42.262	
3/3/08	8:00	32.753	42.367	
3/3/08	12:00	32.854	42.482	
3/3/08	16:00	32.849	42.435	
3/3/08	20:00	32.814	42.4	
3/4/08	0:00	32.795	42.358	
3/4/08	4:00	32.744	42.297	
3/4/08	8:00	32.705	42.259	
3/4/08	12:00	32.665	42.212	
3/4/08	16:00	32.581	42.107	
3/4/08	20:00	32.532	42.081	
3/5/08	0:00	32.525	42.083	
3/5/08	4:00	32.492	42.034	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/5/08	8:00	32.546	42.158	
3/5/08	12:00	32.702	42.339	
3/5/08	16:00	32.772	42.391	
3/5/08	20:00	32.835	42.461	
3/6/08	0:00	32.907	42.522	
3/6/08	4:00	32.903	42.489	
3/6/08	8:00	32.903	42.503	
3/6/08	12:00	32.945	42.55	
3/6/08	16:00	32.893	42.456	
3/6/08	20:00	32.858	42.442	
3/7/08	0:00	32.896	42.501	
3/7/08	4:00	32.98	42.604	
3/7/08	8:00	33.047	42.684	
3/7/08	12:00	33.113	42.733	
3/7/08	16:00	33.082	42.663	
3/7/08	20:00	33.026	42.599	
3/8/08	0:00	32.991	42.562	
3/8/08	4:00	32.912	42.454	
3/8/08	8:00	32.828	42.37	
3/8/08	12:00	32.753	42.276	
3/8/08	16:00	32.688	42.234	
3/8/08	20:00	32.698	42.287	
3/9/08	0:00	32.758	42.36	
3/9/08	4:00	32.812	42.409	
3/9/08	8:00	32.877	42.503	
3/9/08	12:00	32.963	42.595	
3/9/08	16:00	33.001	42.611	
3/9/08	20:00	33.045	42.663	
3/10/08	0:00	33.117	42.747	
3/10/08	4:00	33.164	42.775	
3/10/08	8:00	33.201	42.827	
3/10/08	12:00	33.255	42.871	
3/10/08	16:00	33.19	42.752	
3/10/08	20:00	33.124	42.684	
3/11/08	0:00	33.092	42.656	
3/11/08	4:00	33.022	42.557	
3/11/08	8:00	32.942	42.477	
3/11/08	12:00	32.875	42.402	
3/11/08	16:00	32.786	42.294	
3/11/08	20:00	32.725	42.252	
3/12/08	0:00	32.709	42.241	
3/12/08	4:00	32.672	42.182	
3/12/08	8:00	32.616	42.13	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/12/08	12:00	32.579	42.09	
3/12/08	16:00	32.574	42.116	
3/12/08	20:00	32.628	42.194	
3/13/08	0:00	32.665	42.224	
3/13/08	4:00	32.7	42.252	
3/13/08	8:00	32.702	42.25	
3/13/08	12:00	32.725	42.276	
3/13/08	16:00	32.67	42.177	
3/13/08	20:00	32.642	42.17	18.905
3/14/08	0:00	32.618	42.137	18.865
3/14/08	4:00	32.609	42.135	18.868
3/14/08	8:00	32.63	42.168	18.889
3/14/08	12:00	32.663	42.217	18.926
3/14/08	16:00	32.658	42.189	18.905
3/14/08	20:00	32.709	42.269	18.982
3/15/08	0:00	32.807	42.391	19.074
3/15/08	4:00	32.858	42.43	19.097
3/15/08	8:00	32.907	42.494	19.144
3/15/08	12:00	32.984	42.573	19.205
3/15/08	16:00	32.991	42.55	19.167
3/15/08	20:00	33.036	42.62	19.235
3/16/08	0:00	33.113	42.7	19.284
3/16/08	4:00	33.141	42.724	19.293
3/16/08	8:00	33.204	42.803	19.359
3/16/08	12:00	33.257	42.855	19.387
3/16/08	16:00	33.243	42.806	19.329
3/16/08	20:00	33.206	42.749	19.282
3/17/08	0:00	33.204	42.763	19.308
3/17/08	4:00	33.162	42.686	19.228
3/17/08	8:00	33.122	42.67	19.221
3/17/08	12:00	33.08	42.618	19.179
3/17/08	16:00	32.982	42.489	19.095
3/17/08	20:00	32.954	42.482	19.092
3/18/08	0:00	32.952	42.494	19.109
3/18/08	4:00	32.931	42.468	19.083
3/18/08	8:00	32.94	42.489	19.123
3/18/08	12:00	32.984	42.527	19.141
3/18/08	16:00	32.968	42.496	19.106
3/18/08	20:00	33.001	42.557	19.174
3/19/08	0:00	33.071	42.627	19.216
3/19/08	4:00	33.068	42.606	19.209
3/19/08	8:00	33.075	42.641	19.247
3/19/08	12:00	33.131	42.691	19.272

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/19/08	16:00	33.099	42.62	19.202
3/19/08	20:00	33.08	42.627	19.254
3/20/08	0:00	33.127	42.677	19.265
3/20/08	4:00	33.143	42.679	19.261
3/20/08	8:00	33.152	42.709	19.296
3/20/08	12:00	33.178	42.707	19.27
3/20/08	16:00	33.071	42.555	19.148
3/20/08	20:00	33.001	42.489	19.104
3/21/08	0:00	32.949	42.447	19.071
3/21/08	4:00	32.935	42.442	19.076
3/21/08	8:00	33.017	42.588	19.223
3/21/08	12:00	33.148	42.738	19.345
3/21/08	16:00	33.208	42.773	19.343
3/21/08	20:00	33.269	42.852	19.42
3/22/08	0:00	33.341	42.916	19.453
3/22/08	4:00	33.383	42.944	19.46
3/22/08	8:00	33.43	43.012	19.516
3/22/08	12:00	33.497	43.085	19.56
3/22/08	16:00	33.509	43.073	19.532
3/22/08	20:00	33.551	43.131	19.588
3/23/08	0:00	33.607	43.192	19.623
3/23/08	4:00	33.612	43.171	19.6
3/23/08	8:00	33.609	43.174	19.605
3/23/08	12:00	33.635	43.202	19.621
3/23/08	16:00	33.6	43.141	19.556
3/23/08	20:00	33.574	43.115	19.544
3/24/08	0:00	33.558	43.092	19.523
3/24/08	4:00	33.528	43.047	19.49
3/24/08	8:00	33.458	42.967	19.427
3/24/08	12:00	33.357	42.829	19.312
3/24/08	16:00	33.18	42.609	19.148
3/24/08	20:00	33.059	42.517	19.104
3/25/08	0:00	32.977	42.437	19.05
3/25/08	4:00	32.947	42.445	19.09
3/25/08	8:00	33.078	42.658	19.268
3/25/08	12:00	33.171	42.731	19.317
3/25/08	16:00	33.201	42.738	19.319
3/25/08	20:00	33.248	42.803	19.375
3/26/08	0:00	33.308	42.857	19.408
3/26/08	4:00	33.339	42.874	19.417
3/26/08	8:00	33.336	42.864	19.401
3/26/08	12:00	33.339	42.871	19.399
3/26/08	16:00	33.269	42.745	19.286

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/26/08	20:00	33.197	42.679	19.249
3/27/08	0:00	33.15	42.63	19.209
3/27/08	4:00	33.103	42.564	19.165
3/27/08	8:00	33.103	42.611	19.233
3/27/08	12:00	33.131	42.653	19.261
3/27/08	16:00	33.183	42.705	19.289
3/27/08	20:00	33.243	42.794	19.371
3/28/08	0:00	33.334	42.892	19.455
3/28/08	4:00	33.406	42.958	19.502
3/28/08	8:00	33.481	43.068	19.584
3/28/08	12:00	33.549	43.115	19.598
3/28/08	16:00	33.523	43.038	19.518
3/28/08	20:00	33.502	43.028	19.525
3/29/08	0:00	33.528	43.068	19.56
3/29/08	4:00	33.516	43.028	19.518
3/29/08	8:00	33.495	43.019	19.513
3/29/08	12:00	33.458	42.946	19.436
3/29/08	16:00	33.343	42.813	19.338
3/29/08	20:00	33.288	42.787	19.343
3/30/08	0:00	33.313	42.829	19.375
3/30/08	4:00	33.329	42.841	19.387
3/30/08	8:00	33.383	42.92	19.453
3/30/08	12:00	33.416	42.944	19.469
3/30/08	16:00	33.388	42.892	19.42
3/30/08	20:00	33.383	42.888	19.422
3/31/08	0:00	33.369	42.86	19.392
3/31/08	4:00	33.229	42.611	19.179
3/31/08	8:00	33.117	42.599	19.184
3/31/08	12:00	33.068	42.564	19.176
3/31/08	16:00	33.089	42.611	19.212
3/31/08	20:00	33.204	42.754	19.324
4/1/08	0:00	33.341	42.906	19.429
4/1/08	4:00	33.444	43.01	19.497
4/1/08	8:00	33.567	43.164	19.619
4/1/08	12:00	33.682	43.263	19.67
4/1/08	16:00	33.721	43.27	19.651
4/1/08	20:00	33.735	43.272	19.651
4/2/08	0:00	33.766	43.307	19.677
4/2/08	4:00	33.745	43.256	19.614
4/2/08	8:00	33.721	43.23	19.605
4/2/08	12:00	33.698	43.195	19.567
4/2/08	16:00	33.607	43.061	19.446
4/2/08	20:00	33.516	42.986	19.41

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/3/08	0:00	33.5	42.977	19.406
4/3/08	4:00	33.437	42.895	19.34
4/3/08	8:00	33.39	42.871	19.34
4/3/08	12:00	33.376	42.871	19.357
4/3/08	16:00	33.341	42.82	19.303
4/3/08	20:00	33.367	42.888	19.364
4/4/08	0:00	33.423	42.932	19.38
4/4/08	4:00	33.413	42.906	19.34
4/4/08	8:00	33.434	42.944	19.373
4/4/08	12:00	33.451	42.939	19.354
4/4/08	16:00	33.385	42.843	19.268
4/4/08	20:00	33.336	42.799	19.249
4/5/08	0:00	33.332	42.799	19.251
4/5/08	4:00	33.308	42.768	19.233
4/5/08	8:00	33.311	42.78	19.249
4/5/08	12:00	33.299	42.749	19.207
4/5/08	16:00	33.215	42.634	19.118
4/5/08	20:00	33.171	42.613	19.127
4/6/08	0:00	33.166	42.611	19.116
4/6/08	4:00	33.124	42.552	19.085
4/6/08	8:00	33.129	42.588	19.123
4/6/08	12:00	33.178	42.672	19.207
4/6/08	16:00	33.225	42.698	19.205
4/6/08	20:00	33.306	42.829	19.338
4/7/08	0:00	33.437	42.96	19.425
4/7/08	4:00	33.474	42.965	19.406
4/7/08	8:00	33.509	43.007	19.446
4/7/08	12:00	33.584	43.092	19.492
4/7/08	16:00	33.539	42.991	19.396
4/7/08	20:00	33.553	43.073	19.495
4/8/08	0:00	33.56	43.045	19.455
4/8/08	4:00	33.546	43.019	19.406
4/8/08	8:00	33.511	42.96	19.373
4/8/08	12:00	33.53	43.028	19.432
4/8/08	16:00	33.525	42.993	19.389
4/8/08	20:00	33.521	43.005	19.42
4/9/08	0:00	33.584	43.092	19.49
4/9/08	4:00	33.607	43.092	19.483
4/9/08	8:00	33.626	43.122	19.509
4/9/08	12:00	33.651	43.143	19.518
4/9/08	16:00	33.614	43.08	19.448
4/9/08	20:00	33.514	42.953	19.364
4/10/08	0:00	33.481	42.927	19.336

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/10/08	4:00	33.364	42.777	19.212
4/10/08	8:00	33.218	42.611	19.088
4/10/08	12:00	33.031	42.393	18.917
4/10/08	16:00	32.847	42.215	18.758
4/10/08	20:00	32.8	42.234	18.61
4/11/08	0:00	32.781	42.229	18.545
4/11/08	4:00	32.798	42.269	18.556
4/11/08	8:00	32.872	42.384	18.641
4/11/08	12:00	32.991	42.513	18.718
4/11/08	16:00	33.096	42.62	18.795
4/11/08	20:00	33.208	42.731	18.868
4/12/08	0:00	33.281	42.782	18.891
4/12/08	4:00	33.311	42.792	18.896
4/12/08	8:00	33.35	42.845	18.947
4/12/08	12:00	33.411	42.911	18.999
4/12/08	16:00	33.451	42.939	19.017
4/12/08	20:00	33.495	42.988	19.06
4/13/08	0:00	33.539	43.04	19.106
4/13/08	4:00	33.565	43.049	19.111
4/13/08	8:00	33.616	43.124	19.179
4/13/08	12:00	33.679	43.188	19.226
4/13/08	16:00	33.672	43.153	19.186
4/13/08	20:00	33.649	43.122	19.172
4/14/08	0:00	33.661	43.148	19.207
4/14/08	4:00	33.658	43.136	19.2
4/14/08	8:00	33.675	43.174	19.24
4/14/08	12:00	33.679	43.148	19.209
4/14/08	16:00	33.605	43.045	19.116
4/14/08	20:00	33.514	42.944	19.048
4/15/08	0:00	33.483	42.935	19.057
4/15/08	4:00	33.416	42.848	18.992
4/15/08	8:00	33.348	42.78	18.952
4/15/08	12:00	33.255	42.66	18.861
4/15/08	16:00	33.11	42.487	18.739
4/15/08	20:00	33.019	42.43	18.718
4/16/08	0:00	32.989	42.395	18.702
4/16/08	4:00	32.912	42.316	18.657
4/16/08	8:00	32.931	42.402	18.769
4/16/08	12:00	33.017	42.508	18.854
4/16/08	16:00	33.085	42.566	18.893
4/16/08	20:00	33.15	42.651	18.975
4/17/08	0:00	33.262	42.761	19.038
4/17/08	4:00	33.257	42.707	19.008

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/17/08	8:00	33.022	42.787	19.043
4/17/08	12:00	33.276	42.787	18.931
4/17/08	16:00	33.239	42.731	18.821
4/17/08	20:00	33.185	42.67	18.765
4/18/08	0:00	33.131	42.62	18.683
4/18/08	4:00	33.045	42.515	18.561
4/18/08	8:00	32.863	42.468	18.472
4/18/08	12:00	32.926	42.428	18.236
4/18/08	16:00	32.893	42.402	18.112
4/18/08	20:00	32.865	42.386	18.06
4/19/08	0:00	32.851	42.365	18.014
4/19/08	4:00	32.819	42.327	17.993
4/19/08	8:00	32.828	42.355	18.039
4/19/08	12:00	32.842	42.351	18.039
4/19/08	16:00	32.786	42.266	17.983
4/19/08	20:00	32.723	42.205	17.974
4/20/08	0:00	32.709	42.196	17.988
4/20/08	4:00	32.672	42.151	17.974
4/20/08	8:00	32.625	42.102	17.946
4/20/08	12:00	32.553	42.001	17.878
4/20/08	16:00	32.434	41.877	17.808
4/20/08	20:00	32.343	41.809	17.803
4/21/08	0:00	32.364	41.865	17.869
4/21/08	4:00	32.343	41.837	17.864
4/21/08	8:00	32.366	41.889	17.929
4/21/08	12:00	32.443	41.999	18.032
4/21/08	16:00	32.474	42.011	18.037
4/21/08	20:00	32.464	41.999	18.037
4/22/08	0:00	32.509	42.069	18.098
4/22/08	4:00	32.513	42.076	18.112
4/22/08	8:00	32.56	42.147	18.173
4/22/08	12:00	32.602	42.187	18.203
4/22/08	16:00	32.583	42.147	18.168
4/22/08	20:00	32.551	42.121	18.166
4/23/08	0:00	32.579	42.166	18.215
4/23/08	4:00	32.574	42.151	18.208
4/23/08	8:00	32.576	42.166	18.224
4/23/08	12:00	32.555	42.114	18.173
4/23/08	16:00	32.436	41.962	18.065
4/23/08	20:00	32.366	41.908	18.035
4/24/08	0:00	32.341	41.91	18.053
4/24/08	4:00	32.273	41.819	17.995
4/24/08	8:00	32.224	41.783	17.983

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/24/08	12:00	32.173	41.729	17.95
4/24/08	16:00	32.108	41.661	17.911
4/24/08	20:00	32.075	41.643	17.908
4/25/08	0:00	32.045	41.603	17.894
4/25/08	4:00	31.907	41.575	17.801
4/25/08	8:00	32.042	41.697	18.007
4/25/08	12:00	32.131	41.783	18.06
4/25/08	16:00	32.182	41.828	18.091
4/25/08	20:00	32.24	41.896	18.145
4/26/08	0:00	32.285	41.94	18.173
4/26/08	4:00	32.292	41.929	18.152
4/26/08	8:00	32.334	42.006	18.224
4/26/08	12:00	32.397	42.067	18.273
4/26/08	16:00	32.406	42.072	18.271
4/26/08	20:00	32.434	42.119	18.309
4/27/08	0:00	32.462	42.14	18.32
4/27/08	4:00	32.481	42.163	18.341
4/27/08	8:00	32.495	42.18	18.365
4/27/08	12:00	32.478	42.14	18.313
4/27/08	16:00	32.392	42.02	18.215
4/27/08	20:00	32.299	41.926	18.154
4/28/08	0:00	32.252	41.901	18.152
4/28/08	4:00	32.257	41.929	18.196
4/28/08	8:00	32.294	41.99	18.255
4/28/08	12:00	32.313	42.006	18.259
4/28/08	16:00	32.296	41.969	18.234
4/28/08	20:00	32.266	41.94	18.222
4/29/08	0:00	32.24	41.908	18.196
4/29/08	4:00	32.219	41.901	18.201
4/29/08	8:00	32.217	41.905	18.217
4/29/08	12:00	32.18	41.851	18.163
4/29/08	16:00	32.068	41.701	18.049
4/29/08	20:00	31.982	41.631	18.014
4/30/08	0:00	31.93	41.591	17.997
4/30/08	4:00	31.837	41.467	17.906
4/30/08	8:00	31.751	41.401	17.88
4/30/08	12:00	31.671	41.31	17.815
4/30/08	16:00	31.573	41.202	17.749
4/30/08	20:00	31.501	41.143	17.721
5/1/08	0:00	31.48	41.143	17.742
5/1/08	4:00	31.41	41.054	17.679
5/1/08	8:00	31.38	41.042	17.686
5/1/08	12:00	31.333	40.986	17.642

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/1/08	16:00	31.319	41.003	17.695
5/1/08	20:00	31.408	41.122	17.77
5/2/08	0:00	31.499	41.232	17.836
5/2/08	4:00	31.438	41.143	17.796
5/2/08	8:00	31.375	41.078	17.754
5/2/08	12:00	31.359	41.087	17.766
5/2/08	16:00	31.394	41.127	17.808
5/2/08	20:00	31.45	41.214	17.883
5/3/08	0:00	31.578	41.364	17.995
5/3/08	4:00	31.676	41.476	17.052
5/3/08	8:00	31.818	41.645	18.194
5/3/08	12:00	31.928	41.739	17.221
5/3/08	16:00	31.944	41.715	17.184
5/3/08	20:00	31.933	41.692	17.17
5/4/08	0:00	31.956	41.72	18.206
5/4/08	4:00	31.935	41.69	18.18
5/4/08	8:00	31.933	41.704	17.184
5/4/08	12:00	31.937	41.69	17.163
5/4/08	16:00	31.872	41.603	18.114
5/4/08	20:00	31.823	41.565	18.098
5/5/08	0:00	31.853	41.631	17.151
5/5/08	4:00	31.853	41.619	17.144
5/5/08	8:00	31.86	41.633	17.16
5/5/08	12:00	31.863	41.626	
5/5/08	16:00	31.814	41.551	
5/5/08	20:00	31.751	41.488	
5/6/08	0:00	31.746	41.49	
5/6/08	4:00	31.704	41.443	
5/6/08	8:00	31.664	41.406	
5/6/08	12:00	31.629	41.361	
5/6/08	16:00	31.527	41.232	
5/6/08	20:00	31.438	41.155	
5/7/08	0:00	31.289	41.188	
5/7/08	4:00	31.375	41.117	
5/7/08	8:00	31.413	41.204	
5/7/08	12:00	31.422	41.209	
5/7/08	16:00	31.448	41.225	
5/7/08	20:00	31.431	41.197	
5/8/08	0:00	31.445	41.218	
5/8/08	4:00	31.443	41.223	
5/8/08	8:00	31.441	41.211	
5/8/08	12:00		41.19	
5/8/08	16:00	31.378	41.106	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/8/08	20:00	31.312	41.094	
5/9/08	0:00	31.31	41.127	
5/9/08	4:00	31.06	41.092	
5/9/08	8:00	31.298	41.164	
5/9/08	12:00	31.352	41.211	
5/9/08	16:00	31.336	41.169	
5/9/08	20:00	31.319	41.148	
5/10/08	0:00	31.308	41.125	
5/10/08	4:00	31.261	41.059	
5/10/08	8:00	31.233	41.042	
5/10/08	12:00	31.119	40.878	
5/10/08	16:00	30.729	40.827	
5/10/08	20:00	30.979	40.834	
5/11/08	0:00	31.067	40.93	
5/11/08	4:00	31.109	40.967	
5/11/08	8:00	31.172	41.035	
5/11/08	12:00	31.198	41.038	
5/11/08	16:00	31.163	40.97	
5/11/08	20:00	31.091	40.878	
5/12/08	0:00	31.058	40.853	
5/12/08	4:00	30.979	40.761	
5/12/08	8:00	30.918	40.695	
5/12/08	12:00	30.827	40.588	
5/12/08	16:00	30.697	40.438	
5/12/08	20:00	30.638	40.426	
5/13/08	0:00	30.666	40.484	
5/13/08	4:00	30.636	40.438	
5/13/08	8:00	30.643	40.494	
5/13/08	12:00	30.669	40.522	
5/13/08	16:00	30.706	40.578	
5/13/08	20:00	30.762	40.649	
5/14/08	0:00	30.841	40.747	
5/14/08	4:00	30.844	40.731	
5/14/08	8:00	30.862	40.778	
5/14/08	12:00	30.879	40.771	
5/14/08	16:00	30.823	40.693	
5/14/08	20:00	30.783	40.677	
5/15/08	0:00	30.783	40.691	
5/15/08	4:00	30.757	40.663	
5/15/08	8:00	30.767	40.695	
5/15/08	12:00	30.781	40.714	
5/15/08	16:00	30.741	40.646	
5/15/08	20:00	30.713	40.639	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/16/08	0:00	30.713	40.649	
5/16/08	4:00	30.685	40.613	
5/16/08	8:00	30.68	40.625	
5/16/08	12:00	30.664	40.592	
5/16/08	16:00	30.592	40.501	
5/16/08	20:00	30.505	40.412	
5/17/08	0:00	30.454	40.379	
5/17/08	4:00	30.396	40.33	
5/17/08	8:00	30.403	40.363	
5/17/08	12:00	30.386	40.337	
5/17/08	16:00	30.319	40.252	
5/17/08	20:00	30.272	40.229	
5/18/08	0:00	30.284	40.255	
5/18/08	4:00	30.263	40.238	
5/18/08	8:00	30.286	40.285	
5/18/08	12:00	30.291	40.269	
5/18/08	16:00	30.23	40.184	
5/18/08	20:00	30.139	40.088	
5/19/08	0:00	30.095	40.06	
5/19/08	4:00	30.004	39.922	
5/19/08	8:00	29.976	39.957	
5/19/08	12:00	29.988	39.985	
5/19/08	16:00	29.983	39.969	
5/19/08	20:00	29.964	39.966	
5/20/08	0:00	30.048	40.093	
5/20/08	4:00	30.095	40.135	
5/20/08	8:00	30.205	40.285	
5/20/08	12:00	30.261	40.306	
5/20/08	16:00	30.223	40.231	
5/20/08	20:00	30.153	40.161	
5/21/08	0:00	30.121	40.135	
5/21/08	4:00	30.1	40.123	
5/21/08	8:00	30.086	40.119	
5/21/08	12:00	30.048	40.065	
5/21/08	16:00	29.992	39.994	
5/21/08	20:00	29.918	39.931	
5/22/08	0:00	29.901	39.926	
5/22/08	4:00	29.892	39.929	
5/22/08	8:00	29.878	39.929	
5/22/08	12:00	29.904	39.948	
5/22/08	16:00	29.878	39.917	
5/22/08	20:00	29.817	39.856	
5/23/08	0:00	29.848	39.912	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/23/08	4:00	29.428	40.001	
5/23/08	8:00	29.862	39.98	
5/23/08	12:00	29.936	40.046	
5/23/08	16:00	29.918	39.999	
5/23/08	20:00	29.904	39.987	
5/24/08	0:00	29.89	39.962	
5/24/08	4:00	29.727	39.713	
5/24/08	8:00	29.792	39.849	
5/24/08	12:00	29.794	39.854	
5/24/08	16:00	29.745	39.779	
5/24/08	20:00	29.699	39.739	
5/25/08	0:00	29.678	39.706	
5/25/08	4:00	29.626	39.643	
5/25/08	8:00	29.608	39.638	
5/25/08	12:00	29.542	39.542	
5/25/08	16:00	29.489	39.495	
5/25/08	20:00	29.451	39.53	
5/26/08	0:00	29.451	39.488	
5/26/08	4:00	29.447	39.521	
5/26/08	8:00	29.47	39.549	
5/26/08	12:00	29.54	39.629	
5/26/08	16:00	29.538	39.601	
5/26/08	20:00	29.505	39.563	
5/27/08	0:00	29.538	39.626	
5/27/08	4:00	29.526	39.61	
5/27/08	8:00	29.568	39.673	
5/27/08	12:00	29.636	39.755	
5/27/08	16:00	29.659	39.776	
5/27/08	20:00	29.675	39.8	
5/28/08	0:00	29.696	39.821	
5/28/08	4:00	29.706	39.835	
5/28/08	8:00	29.703	39.87	
5/28/08	12:00	29.708	39.847	
5/28/08	16:00	29.64	39.753	
5/28/08	20:00	29.556	39.645	
5/29/08	0:00	29.491	39.589	
5/29/08	4:00	29.402	39.486	
5/29/08	8:00	29.337	39.418	
5/29/08	12:00	29.244	39.3	
5/29/08	16:00	29.109	39.139	
5/29/08	20:00	28.987	39.031	
5/30/08	0:00	28.707	39.089	
5/30/08	4:00	28.92	39.05	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/30/08	8:00	28.887	38.991	
5/30/08	12:00	28.878	39.007	
5/30/08	16:00	28.859	38.986	
5/30/08	20:00	28.85	38.993	
5/31/08	0:00	28.871	39.033	
5/31/08	4:00	28.88	39.036	
5/31/08	8:00	28.894	39.064	
5/31/08	12:00	28.91	39.078	
5/31/08	16:00	28.873	39.021	
5/31/08	20:00	28.822	38.979	
6/1/08	0:00	28.826	39.007	
6/1/08	4:00	28.794	38.977	
6/1/08	8:00	28.815	39.017	
6/1/08	12:00	28.798	38.993	
6/1/08	16:00	28.749	38.935	
6/1/08	20:00	28.689	38.883	
6/2/08	0:00	28.686	38.904	
6/2/08	4:00	28.626	38.825	
6/2/08	8:00	28.598	38.799	
6/2/08	12:00	28.542	38.733	
6/2/08	16:00	28.437	38.606	
6/2/08	20:00	28.367	38.578	
6/3/08	0:00	28.297	38.489	
6/3/08	4:00	28.192	38.403	
6/3/08	8:00	28.159	38.379	
6/3/08	12:00	28.134	38.36	
6/3/08	16:00	28.103	38.335	
6/3/08	20:00	28.068	38.316	
6/4/08	0:00	28.061	38.313	
6/4/08	4:00	28.05	38.304	
6/4/08	8:00	28.029	38.311	
6/4/08	12:00	28.006	38.271	
6/4/08	16:00	27.957	38.203	
6/4/08	20:00	27.87	38.116	
6/5/08	0:00	27.52	38.091	
6/5/08	4:00	25.741	38.154	
6/5/08	8:00	27.46	37.957	
6/5/08	12:00	27.285	37.741	
6/5/08	16:00	27.084	37.498	
6/5/08	20:00	26.816	37.279	
6/6/08	0:00	26.655	37.075	
6/6/08	4:00	26.406	37.017	
6/6/08	8:00	26.189	37.064	

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/6/08	12:00	26.147	37.083	
6/6/08	16:00	26.121	37.01	
6/6/08	20:00	26.277	36.932	
6/7/08	0:00	26.224	36.881	
6/7/08	4:00	26.093	36.714	
6/7/08	8:00	25.979	36.616	
6/7/08	12:00	25.911	36.557	
6/7/08	16:00	25.823	36.464	
6/7/08	20:00	25.741	36.414	
6/8/08	0:00	25.697	36.389	
6/8/08	4:00	25.531	36.325	
6/8/08	8:00	25.487	36.26	
6/8/08	12:00	25.415	36.208	
6/8/08	16:00	25.31	36.126	
6/8/08	20:00	25.219	36.046	
6/9/08	0:00	25.158	36.02	
6/9/08	4:00	25.086	35.936	
6/9/08	8:00	25.025	35.891	
6/9/08	12:00	24.967	35.838	
6/9/08	16:00	24.883	35.746	13.929
6/9/08	20:00	24.78	35.65	13.873
6/10/08	0:00	24.743	35.643	13.913
6/10/08	4:00	24.682	35.58	13.885
6/10/08	8:00	24.65	35.556	13.896
6/10/08	12:00	24.601	35.5	13.873
6/10/08	16:00	24.491	35.362	13.779
6/10/08	20:00	24.382	35.27	13.739
6/11/08	0:00	24.312	35.212	13.718
6/11/08	4:00	24.207	35.113	13.653
6/11/08	8:00	24.148	35.076	13.66
6/11/08	12:00	24.067	34.977	13.599
6/11/08	16:00	23.99	34.904	13.566
6/11/08	20:00	23.883	34.848	13.585
6/12/08	0:00	23.88	34.982	13.41
6/12/08	4:00	23.81	34.865	13.3
6/12/08	8:00	23.729	34.832	13.225
6/12/08	12:00	23.605	34.698	13.155
6/12/08	16:00	23.465	34.553	13.066
6/12/08	20:00	23.355	34.466	13.052
6/13/08	0:00	23.281	34.412	13.049
6/13/08	4:00	23.232	34.356	13.035
6/13/08	8:00	23.197	34.351	13.08
6/13/08	12:00	23.181	34.328	13.096

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/13/08	16:00	23.097	34.22	13.028
6/13/08	20:00	23.003	34.131	12.998
6/14/08	0:00	22.943	34.079	12.981
6/14/08	4:00	22.859	33.992	12.942
6/14/08	8:00	22.824	33.981	12.967
6/14/08	12:00	22.772	33.927	12.946
6/14/08	16:00	22.693	33.826	12.878
6/14/08	20:00	22.586	33.718	12.818
6/15/08	0:00	22.516	33.671	12.811
6/15/08	4:00	22.451	33.606	12.785
6/15/08	8:00	22.425	33.587	12.801
6/15/08	12:00	22.343	33.606	12.785
6/15/08	16:00	22.318	33.54	12.703
6/15/08	20:00	22.241	33.477	12.691
6/16/08	0:00	22.229	33.5	12.747
6/16/08	4:00	22.208	33.463	12.738
6/16/08	8:00	22.208	33.491	12.801
6/16/08	12:00	22.206	33.477	12.794
6/16/08	16:00	22.148	33.402	12.75
6/16/08	20:00	22.092	33.355	12.731
6/17/08	0:00	22.073	33.357	12.754
6/17/08	4:00	22.036	33.315	12.729
6/17/08	8:00	21.994	33.284	12.738
6/17/08	12:00	21.982	33.256	12.717
6/17/08	16:00	21.891	33.137	12.621
6/17/08	20:00	21.802	33.066	12.595
6/18/08	0:00	21.739	32.968	12.549
6/18/08	4:00	21.667	32.937	12.523
6/18/08	8:00	21.655	32.954	12.565
6/18/08	12:00	21.646	32.944	12.572
6/18/08	16:00	21.578	32.855	12.499
6/18/08	20:00	21.504	32.79	12.462
6/19/08	0:00	21.471	32.766	12.469
6/19/08	4:00	21.443	32.736	12.46
6/19/08	8:00	21.42	32.717	12.453
6/19/08	12:00	21.404	32.696	12.443
6/19/08	16:00	21.348	32.621	12.397
6/19/08	20:00	20.289	32.647	12.389
6/20/08	0:00	21.653	32.567	12.226
6/20/08	4:00	21.231	32.471	12.191
6/20/08	8:00	21.04	32.379	12.186
6/20/08	12:00	20.923	32.295	12.167
6/20/08	16:00	20.751	32.178	12.118

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/20/08	20:00	20.657	32.1	12.102
6/21/08	0:00	20.639	32.1	12.139
6/21/08	4:00	20.592	32.046	12.13
6/21/08	8:00	20.585	32.039	12.146
6/21/08	12:00	20.566	32.002	12.125
6/21/08	16:00	20.501	31.906	12.06
6/21/08	20:00	20.422	31.828	12.034
6/22/08	0:00	20.378	31.789	12.003
6/22/08	4:00	20.333	31.753	11.999
6/22/08	8:00	20.308	31.723	11.987
6/22/08	12:00	20.282	31.683	11.961
6/22/08	16:00	20.228	31.608	11.91
6/22/08	20:00	20.165	31.556	11.893
6/23/08	0:00	20.182	31.601	11.943
6/23/08	4:00	20.154	31.561	11.922
6/23/08	8:00	20.158	31.575	11.943
6/23/08	12:00	20.177	31.573	11.938
6/23/08	16:00	20.163	31.545	11.924
6/23/08	20:00	20.116	31.486	11.882
6/24/08	0:00	20.135	31.531	11.931
6/24/08	4:00	20.091	31.453	11.87
6/24/08	8:00	20.065	31.418	11.851
6/24/08	12:00	20.067	31.446	11.861
6/24/08	16:00	20.032	31.388	11.821
6/24/08	20:00	19.99	31.338	11.788
6/25/08	0:00	19.96	31.313	11.776
6/25/08	4:00	19.927	31.277	11.76
6/25/08	8:00	19.932	31.273	11.755
6/25/08	12:00	19.913	31.245	11.73
6/25/08	16:00	19.878	31.191	11.697
6/25/08	20:00	19.846	31.16	11.676
6/26/08	0:00	19.836	31.167	11.685
6/26/08	4:00	19.818	31.118	11.643
6/26/08	8:00	19.79	31.092	11.636
6/26/08	12:00	19.701	31.16	11.648
6/26/08	16:00	19.762	31.092	11.561
6/26/08	20:00	19.662	30.947	11.435
6/27/08	0:00	19.58	30.867	11.374
6/27/08	4:00	19.547	30.832	11.36
6/27/08	8:00	19.524	30.839	11.409
6/27/08	12:00	19.543	30.869	11.444
6/27/08	16:00	19.54	30.834	11.426
6/27/08	20:00	19.547	30.872	11.468

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/28/08	0:00	19.601	30.944	11.538
6/28/08	4:00	19.599	30.912	11.496
6/28/08	8:00	19.615	30.933	11.526
6/28/08	12:00	19.657	30.973	11.561
6/28/08	16:00	19.641	30.935	11.524
6/28/08	20:00	19.613	30.902	11.507
6/29/08	0:00	19.627	30.928	11.538
6/29/08	4:00	19.65	30.954	11.564
6/29/08	8:00	19.683	30.998	11.608
6/29/08	12:00	19.722	31.034	11.634
6/29/08	16:00	19.718	31.001	11.594
6/29/08	20:00	19.692	30.97	11.573
6/30/08	0:00	19.713	31.008	11.613
6/30/08	4:00	19.72	31.008	11.608
6/30/08	8:00	19.741	31.031	11.629
6/30/08	12:00	19.748	31.02	11.615
6/30/08	16:00	19.704	30.942	11.55
6/30/08	20:00	19.643	30.879	11.505
7/1/08	0:00	19.624	30.869	11.505
7/1/08	4:00	19.594	30.832	11.47
7/1/08	8:00	19.568	30.799	11.458
7/1/08	12:00	19.531	30.731	11.393
7/1/08	16:00	19.463	30.654	11.346
7/1/08	20:00	19.386	30.574	11.299
7/2/08	0:00	19.356	30.548	11.287
7/2/08	4:00	19.326	30.513	11.252
7/2/08	8:00	19.323	30.551	11.316
7/2/08	12:00	19.347	30.558	11.327
7/2/08	16:00	19.37	30.586	11.351
7/2/08	20:00	19.44	30.717	11.496
7/3/08	0:00	19.512	30.783	11.536
7/3/08	4:00	19.561	30.804	11.535
7/3/08	8:00	19.613	30.855	11.575
7/3/08	12:00	19.636	30.853	11.564
7/3/08	16:00	19.634	30.832	11.54
7/3/08	20:00	19.606	30.787	11.498
7/4/08	0:00	19.61	30.811	11.526
7/4/08	4:00	19.617	30.804	11.512
7/4/08	8:00	19.613	30.794	11.512
7/4/08	12:00	19.62	30.792	11.505
7/4/08	16:00	19.585	30.729	11.449
7/4/08	20:00	19.54	30.687	11.421
7/5/08	0:00	19.547	30.712	11.447

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/5/08	4:00	19.526	30.673	11.407
7/5/08	8:00	19.517	30.684	11.428
7/5/08	12:00	19.491	30.63	11.388
7/5/08	16:00	19.445	30.551	11.32
7/5/08	20:00	19.403	30.52	11.297
7/6/08	0:00	19.4	30.52	11.309
7/6/08	4:00	19.382	30.499	11.288
7/6/08	8:00	19.365	30.49	11.294
7/6/08	12:00	19.403	30.525	11.325
7/6/08	16:00	19.421	30.532	11.332
7/6/08	20:00	19.428	30.539	11.351
7/7/08	0:00	19.449	30.56	11.369
7/7/08	4:00	19.447	30.544	11.358
7/7/08	8:00	19.442	30.537	11.351
7/7/08	12:00	19.449	30.532	11.341
7/7/08	16:00	19.435	30.506	11.327
7/7/08	20:00	19.419	30.501	11.337
7/8/08	0:00	19.454	30.548	11.379
7/8/08	4:00	19.48	30.558	11.372
7/8/08	8:00	19.503	30.602	11.414
7/8/08	12:00	19.547	30.635	11.437
7/8/08	16:00	19.552	30.616	11.407
7/8/08	20:00	19.573	30.656	11.454
7/9/08	0:00	19.627	30.719	11.505
7/9/08	4:00	19.641	30.701	11.479
7/9/08	8:00	19.678	30.75	11.526
7/9/08	12:00	19.699	30.759	11.522
7/9/08	16:00	19.685	30.719	11.477
7/9/08	20:00	19.645	30.673	11.454
7/10/08	0:00	19.662	30.708	11.482
7/10/08	4:00	19.638	30.656	11.433
7/10/08	8:00	19.657	30.691	11.463
7/10/08	12:00	19.636	30.649	11.426
7/10/08	16:00	19.603	30.593	11.386
7/10/08	20:00	19.566	30.555	11.362
7/11/08	0:00	19.568	30.576	11.395
7/11/08	4:00	19.568	30.569	11.381
7/11/08	8:00	19.552	30.541	11.36
7/11/08	12:00	19.536	30.515	11.339
7/11/08	16:00	19.501	30.464	11.299
7/11/08	20:00	19.489	30.464	11.325
7/12/08	0:00	19.601	30.687	11.522
7/12/08	4:00	19.673	30.719	11.547

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/12/08	8:00	19.809	30.855	11.65
7/12/08	12:00	19.862	30.905	11.685
7/12/08	16:00	19.86	30.844	11.603
7/12/08	20:00	19.822	30.783	11.55
7/13/08	0:00	19.82	30.794	11.566
7/13/08	4:00	19.816	30.78	11.55
7/13/08	8:00	19.822	30.794	11.566
7/13/08	12:00	19.839	30.801	11.566
7/13/08	16:00	19.802	30.733	11.507
7/13/08	20:00	19.75	30.675	11.472
7/14/08	0:00	19.743	30.684	11.486
7/14/08	4:00	19.739	30.682	11.489
7/14/08	8:00	19.757	30.705	11.512
7/14/08	12:00	19.767	30.696	11.498
7/14/08	16:00	19.739	30.651	11.47
7/14/08	20:00	19.713	30.623	11.454
7/15/08	0:00	19.755	30.705	11.557
7/15/08	4:00	19.755	30.691	11.526
7/15/08	8:00	19.769	30.696	11.54
7/15/08	12:00	19.832	30.769	11.585
7/15/08	16:00	19.846	30.762	11.571
7/15/08	20:00	19.836	30.743	11.55
7/16/08	0:00	19.146	30.933	11.713
7/16/08	4:00	19.578	30.874	11.592
7/16/08	8:00	19.783	30.729	11.407
7/16/08	12:00	19.813	30.776	11.463
7/16/08	16:00	19.781	30.691	11.4
7/16/08	20:00	19.718	30.602	11.346
7/17/08	0:00	19.727	30.621	11.381
7/17/08	4:00	19.711	30.583	11.362
7/17/08	8:00	19.692	30.555	11.36
7/17/08	12:00	19.692	30.546	11.358
7/17/08	16:00	19.659	30.492	11.313
7/17/08	20:00	19.573	30.48	11.255
7/18/08	0:00	19.589	30.487	11.245
7/18/08	4:00	19.571	30.459	11.21
7/18/08	8:00	19.547	30.443	11.213
7/18/08	12:00	19.54	30.433	11.213
7/18/08	16:00	19.515	30.394	11.182
7/18/08	20:00	19.463	30.344	11.164
7/19/08	0:00	19.482	30.391	11.213
7/19/08	4:00	19.461	30.351	11.182
7/19/08	8:00	19.456	30.368	11.215

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/19/08	12:00	19.461	30.354	11.199
7/19/08	16:00	19.407	30.276	11.14
7/19/08	20:00	19.379	30.269	11.147
7/20/08	0:00	19.403	30.326	11.213
7/20/08	4:00	19.435	30.363	11.241
7/20/08	8:00	19.466	30.398	11.274
7/20/08	12:00	19.51	30.447	11.327
7/20/08	16:00	19.512	30.424	11.29
7/20/08	20:00	19.477	30.379	11.253
7/21/08	0:00	19.468	30.394	11.267
7/21/08	4:00	19.515	30.454	11.318
7/21/08	8:00	19.489	30.422	11.313
7/21/08	12:00	19.51	30.433	11.311
7/21/08	16:00	19.512	30.426	11.304
7/21/08	20:00	19.494	30.417	11.304
7/22/08	0:00	19.517	30.447	11.337
7/22/08	4:00	19.545	30.485	11.369
7/22/08	8:00	19.568	30.508	11.383
7/22/08	12:00	19.599	30.534	11.402
7/22/08	16:00	19.61	30.53	11.4
7/22/08	20:00	19.596	30.52	11.393
7/23/08	0:00	19.638	30.583	11.454
7/23/08	4:00	19.655	30.59	11.449
7/23/08	8:00	19.669	30.602	11.461
7/23/08	12:00	19.666	30.583	11.442
7/23/08	16:00	19.641	30.544	11.407
7/23/08	20:00	19.62	30.525	11.4
7/24/08	0:00	19.606	30.506	11.383
7/24/08	4:00	19.587	30.499	11.379
7/24/08	8:00	19.592	30.504	11.383
7/24/08	12:00	19.589	30.492	11.372
7/24/08	16:00	19.736	30.473	11.355
7/24/08	20:00	19.594	30.48	11.374
7/25/08	0:00	19.599	30.522	11.412
7/25/08	4:00	19.599	30.511	11.395
7/25/08	8:00	19.634	30.574	11.465
7/25/08	12:00	19.699	30.647	11.512
7/25/08	16:00	19.727	30.656	11.503
7/25/08	20:00	19.722	30.644	11.498
7/26/08	0:00	19.76	30.712	11.55
7/26/08	4:00	19.776	30.71	11.543
7/26/08	8:00	19.788	30.726	11.554
7/26/08	12:00	19.816	30.764	11.582

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/26/08	16:00	19.767	30.661	11.482
7/26/08	20:00	19.715	30.607	11.442
7/27/08	0:00	19.699	30.605	11.449
7/27/08	4:00	19.669	30.572	11.419
7/27/08	8:00	19.662	30.567	11.428
7/27/08	12:00	19.655	30.555	11.414
7/27/08	16:00	19.608	30.487	11.365
7/27/08	20:00	19.552	30.433	11.327
7/28/08	0:00	19.568	30.487	11.372
7/28/08	4:00	19.561	30.485	11.381
7/28/08	8:00	19.641	30.593	11.482
7/28/08	12:00	19.671	30.583	11.465
7/28/08	16:00	19.671	30.583	11.47
7/28/08	20:00	19.664	30.567	11.454
7/29/08	0:00	19.725	30.673	11.543
7/29/08	4:00	19.739	30.675	11.543
7/29/08	8:00	19.732	30.661	11.536
7/29/08	12:00	19.79	30.731	11.604
7/29/08	16:00	19.802	30.712	11.573
7/29/08	20:00	19.785	30.698	11.559
7/30/08	0:00	19.809	30.729	11.578
7/30/08	4:00	19.806	30.724	11.578
7/30/08	8:00	19.818	30.738	11.589
7/30/08	12:00	19.825	30.724	11.582
7/30/08	16:00	19.816	30.698	11.557
7/30/08	20:00	19.774	30.654	11.529
7/31/08	0:00	19.809	30.717	11.592
7/31/08	4:00	19.802	30.696	11.561
7/31/08	8:00	19.816	30.717	11.585
7/31/08	12:00	19.846	30.745	11.587
7/31/08	16:00	19.811	30.689	11.561
7/31/08	20:00	19.816	30.712	11.587
8/1/08	0:00	19.874	30.799	11.66
8/1/08	4:00	19.906	30.825	11.681
8/1/08	8:00	19.962	30.9	11.751
8/1/08	12:00	20.025	30.944	11.765
8/1/08	16:00	20.028	30.902	11.739
8/1/08	20:00	20.009	30.891	11.725
8/2/08	0:00	20.037	30.942	11.772
8/2/08	4:00	20.049	30.944	11.763
8/2/08	8:00	20.044	30.926	11.739
8/2/08	12:00	20.03	30.893	11.711
8/2/08	16:00	19.983	30.839	11.653

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/2/08	20:00	19.944	30.825	11.643
8/3/08	0:00	19.965	30.881	11.697
8/3/08	4:00	19.986	30.898	11.711
8/3/08	8:00	20.007	30.912	11.732
8/3/08	12:00	20.035	30.923	11.737
8/3/08	16:00	20.03	30.902	11.728
8/3/08	20:00	20.014	30.888	11.723
8/4/08	0:00	20.039	30.933	11.772
8/4/08	4:00	20.065	30.949	11.781
8/4/08	8:00	20.098	30.991	11.83
8/4/08	12:00	20.13	31.022	11.852
8/4/08	16:00	20.151	31.034	11.854
8/4/08	20:00	20.156	31.031	11.863
8/5/08	0:00	20.21	31.102	11.926
8/5/08	4:00	20.268	31.172	11.968
8/5/08	8:00	20.319	31.219	11.99
8/5/08	12:00	20.373	31.282	12.053
8/5/08	16:00	20.403	31.277	12.036
8/5/08	20:00	20.403	31.266	12.015
8/6/08	0:00	20.412	31.299	12.05
8/6/08	4:00	20.431	31.301	12.041
8/6/08	8:00	20.499	31.327	12.067
8/6/08	12:00	20.517	31.352	12.067
8/6/08	16:00	20.559	31.287	12.018
8/6/08	20:00	20.475	31.277	12.02
8/7/08	0:00	20.436	31.322	12.055
8/7/08	4:00	20.583	31.303	12.032
8/7/08	8:00	20.592	31.331	12.064
8/7/08	12:00	20.69	31.355	12.071
8/7/08	16:00	20.562	31.317	12.029
8/7/08	20:00	20.452	31.28	12.008
8/8/08	0:00	20.461	31.313	12.041
8/8/08	4:00	20.471	31.32	12.048
8/8/08	8:00	20.485	31.329	12.064
8/8/08	12:00	20.492	31.322	12.06
8/8/08	16:00	20.447	31.245	11.99
8/8/08	20:00	20.394	31.195	11.964
8/9/08	0:00	20.387	31.2	11.973
8/9/08	4:00	20.375	31.188	11.971
8/9/08	8:00	20.38	31.2	11.987
8/9/08	12:00	20.389	31.205	11.99
8/9/08	16:00	20.399	31.205	11.997
8/9/08	20:00	20.389	31.193	11.997

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/10/08	0:00	20.436	31.263	12.057
8/10/08	4:00	20.452	31.266	12.048
8/10/08	8:00	20.482	31.32	12.102
8/10/08	12:00	20.515	31.331	12.102
8/10/08	16:00	20.503	31.301	12.071
8/10/08	20:00	20.489	31.291	12.067
8/11/08	0:00	20.543	31.369	12.135
8/11/08	4:00	20.541	31.348	12.102
8/11/08	8:00	20.555	31.367	12.13
8/11/08	12:00	20.566	31.367	12.121
8/11/08	16:00	20.536	31.313	12.069
8/11/08	20:00	20.492	31.268	12.041
8/12/08	0:00	20.499	31.294	12.083
8/12/08	4:00	20.471	31.266	12.06
8/12/08	8:00	20.503	31.301	12.085
8/12/08	12:00	20.543	31.345	12.118
8/12/08	16:00	20.538	31.315	12.083
8/12/08	20:00	20.522	31.303	12.074
8/13/08	0:00	20.548	31.345	12.125
8/13/08	4:00	20.576	31.369	12.125
8/13/08	8:00	20.594	31.39	12.151
8/13/08	12:00	20.62	31.404	12.149
8/13/08	16:00	20.615	31.385	12.132
8/13/08	20:00	20.604	31.383	12.142
8/14/08	0:00	20.653	31.463	12.238
8/14/08	4:00	20.636	31.427	12.184
8/14/08	8:00	20.681	31.481	12.217
8/14/08	12:00	20.723	31.519	12.24
8/14/08	16:00	20.737	31.521	12.242
8/14/08	20:00	20.758	31.549	12.27
8/15/08	0:00	20.823	31.641	12.341
8/15/08	4:00	20.865	31.667	12.352
8/15/08	8:00	20.902	31.711	12.39
8/15/08	12:00	20.975	31.786	12.444
8/15/08	16:00	20.986	31.765	12.408
8/15/08	20:00	20.986	31.779	12.434
8/16/08	0:00	21.054	31.864	12.495
8/16/08	4:00	21.072	31.864	12.483
8/16/08	8:00	21.091	31.882	12.5
8/16/08	12:00	21.117	31.899	12.5
8/16/08	16:00	21.077	31.824	12.427
8/16/08	20:00	21.03	31.784	12.401
8/17/08	0:00	21.033	31.798	12.418

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/17/08	4:00	21.021	31.782	12.408
8/17/08	8:00	21.03	31.798	12.425
8/17/08	12:00	21.037	31.784	12.411
8/17/08	16:00	20.995	31.723	12.355
8/17/08	20:00	20.949	31.69	12.341
8/18/08	0:00	20.961	31.721	12.373
8/18/08	4:00	20.968	31.723	12.378
8/18/08	8:00	20.979	31.744	12.397
8/18/08	12:00	21.005	31.763	12.418
8/18/08	16:00	21.007	31.744	12.401
8/18/08	20:00	20.995	31.744	12.404
8/19/08	0:00	21.021	31.786	12.444
8/19/08	4:00	21.042	31.803	12.46
8/19/08	8:00	21.079	31.852	12.495
8/19/08	12:00	21.114	31.871	12.509
8/19/08	16:00	21.11	31.842	12.474
8/19/08	20:00	21.089	31.828	12.472
8/20/08	0:00	21.112	31.868	12.504
8/20/08	4:00	21.119	31.873	12.509
8/20/08	8:00	21.145	31.901	12.532
8/20/08	12:00	21.159	31.894	12.518
8/20/08	16:00	21.121	31.828	12.465
8/20/08	20:00	21.1	31.821	12.469
8/21/08	0:00	21.107	31.838	12.49
8/21/08	4:00	21.103	31.826	12.472
8/21/08	8:00	21.096	31.819	12.469
8/21/08	12:00	21.096	31.819	12.469
8/21/08	16:00	21.072	31.772	12.427
8/21/08	20:00	21.035	31.744	12.404
8/22/08	0:00	21.056	31.789	12.441
8/22/08	4:00	21.072	31.803	12.46
8/22/08	8:00	21.089	31.826	12.488
8/22/08	12:00	21.126	31.861	12.507
8/22/08	16:00	21.147	31.868	12.525
8/22/08	20:00	21.205	31.962	12.607
8/23/08	0:00	21.306	32.096	12.706
8/23/08	4:00	21.378	32.171	12.748
8/23/08	8:00	21.467	32.267	12.827
8/23/08	12:00	21.516	32.269	12.802
8/23/08	16:00	21.49	32.213	12.748
8/23/08	20:00	21.469	32.201	12.743
8/24/08	0:00	21.499	32.243	12.776
8/24/08	4:00	21.492	32.232	12.757

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/24/08	8:00	21.537	32.286	12.809
8/24/08	12:00	21.551	32.281	12.797
8/24/08	16:00	21.525	32.234	12.75
8/24/08	20:00	21.495	32.206	12.729
8/25/08	0:00	21.499	32.232	12.759
8/25/08	4:00	21.504	32.229	12.759
8/25/08	8:00	21.516	32.236	12.769
8/25/08	12:00	21.537	32.255	12.78
8/25/08	16:00	21.485	32.166	12.71
8/25/08	20:00	21.455	32.143	12.696
8/26/08	0:00	21.46	32.164	12.729
8/26/08	4:00	21.457	32.157	12.715
8/26/08	8:00	21.467	32.171	12.736
8/26/08	12:00	21.481	32.175	12.738
8/26/08	16:00	21.432	32.086	12.656
8/26/08	20:00	21.401	32.072	12.656
8/27/08	0:00	21.432	32.119	12.699
8/27/08	4:00	21.432	32.117	12.696
8/27/08	8:00	21.443	32.18	12.771
8/27/08	12:00	21.299	32.189	12.743
8/27/08	16:00	21.425	32.098	12.666
8/27/08	20:00	21.369	32.03	12.614
8/28/08	0:00	21.352	32.018	12.612
8/28/08	4:00	21.341	32.023	12.64
8/28/08	8:00	21.383	32.075	12.678
8/28/08	12:00	21.485	32.196	12.78
8/28/08	16:00	21.544	32.246	12.811
8/28/08	20:00	21.576	32.267	12.823
8/29/08	0:00	21.674	32.398	12.935
8/29/08	4:00	21.725	32.44	12.949
8/29/08	8:00	21.76	32.468	12.968
8/29/08	12:00	21.814	32.518	12.991
8/29/08	16:00	21.812	32.49	12.954
8/29/08	20:00	21.786	32.464	12.94
8/30/08	0:00	21.833	32.532	12.996
8/30/08	4:00	21.84	32.527	12.984
8/30/08	8:00	21.868	32.569	13.024
8/30/08	12:00	21.893	32.569	13.005
8/30/08	16:00	21.861	32.511	12.951
8/30/08	20:00	21.83	32.49	12.947
8/31/08	0:00	21.847	32.525	12.975
8/31/08	4:00	21.849	32.52	12.97
8/31/08	8:00	21.851	32.525	12.975

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/31/08	12:00	21.858	32.518	12.963
8/31/08	16:00	21.812	32.45	12.904
8/31/08	20:00	21.781	32.429	12.904
9/1/08	0:00	21.819	32.494	12.97
9/1/08	4:00	21.835	32.499	12.97
9/1/08	8:00	21.854	32.529	12.998
9/1/08	12:00	21.872	32.522	12.984
9/1/08	16:00	21.851	32.49	12.956
9/1/08	20:00	21.83	32.471	12.944
9/2/08	0:00	21.861	32.529	13.01
9/2/08	4:00	21.879	32.534	13
9/2/08	8:00	21.942	32.654	13.127
9/2/08	12:00	22.066	32.785	13.22
9/2/08	16:00	22.166	32.832	13.216
9/2/08	20:00	22.164	32.844	13.225
9/3/08	0:00	22.22	32.912	13.274
9/3/08	4:00	22.248	32.928	13.279
9/3/08	8:00	22.269	32.949	13.283
9/3/08	12:00	22.266	32.921	13.251
9/3/08	16:00	22.206	32.827	13.152
9/3/08	20:00	22.145	32.771	13.117
9/4/08	0:00	22.129	32.762	13.12
9/4/08	4:00	22.117	32.743	13.11
9/4/08	8:00	22.092	32.719	13.096
9/4/08	12:00	22.087	32.712	13.082
9/4/08	16:00	22.05	32.658	13.04
9/4/08	20:00	22.047	32.672	13.075
9/5/08	0:00	22.087	32.729	13.124
9/5/08	4:00	22.117	32.752	13.15
9/5/08	8:00	22.155	32.813	13.204
9/5/08	12:00	22.215	32.876	13.241
9/5/08	16:00	22.25	32.902	13.251
9/5/08	20:00	22.273	32.921	13.267
9/6/08	0:00	22.294	32.935	13.274
9/6/08	4:00	22.297	32.923	13.248
9/6/08	8:00	22.292	32.94	13.272
9/6/08	12:00	22.35	32.998	13.305
9/6/08	16:00	22.315	32.94	13.241
9/6/08	20:00	22.313	32.942	13.255
9/7/08	0:00	22.341	33.008	13.309
9/7/08	4:00	22.357	32.996	13.288
9/7/08	8:00	22.397	33.055	13.342
9/7/08	12:00	22.434	33.083	13.351

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/7/08	16:00	22.425	33.05	13.314
9/7/08	20:00	22.43	33.066	13.34
9/8/08	0:00	22.476	33.118	13.379
9/8/08	4:00	22.481	33.106	13.363
9/8/08	8:00	22.521	33.177	13.447
9/8/08	12:00	22.544	33.212	13.436
9/8/08	16:00	22.549	33.186	13.398
9/8/08	20:00	22.539	33.165	13.379
9/9/08	0:00	22.565	33.195	13.41
9/9/08	4:00	22.563	33.183	13.393
9/9/08	8:00	22.57	33.195	13.407
9/9/08	12:00	22.572	33.184	13.384
9/9/08	16:00	22.518	33.099	13.309
9/9/08	20:00	22.474	33.057	13.291
9/10/08	0:00	22.483	33.071	13.3
9/10/08	4:00	22.46	33.045	13.291
9/10/08	8:00	22.465	33.062	13.316
9/10/08	12:00	22.465	33.041	13.279
9/10/08	16:00	22.418	32.982	13.239
9/10/08	20:00	22.404	32.984	13.265
9/11/08	0:00	22.418	33.001	13.274
9/11/08	4:00	22.406	32.973	13.26
9/11/08	8:00	22.437	33.033	13.316
9/11/08	12:00	22.465	33.083	13.344
9/11/08	16:00	22.474	33.066	13.319
9/11/08	20:00	22.329	33.097	13.342
9/12/08	0:00	22.521	33.153	13.361
9/12/08	4:00	22.535	33.139	13.312
9/12/08	8:00	22.53	33.123	13.298
9/12/08	12:00	22.53	33.101	13.276
9/12/08	16:00	22.439	33.005	13.181
9/12/08	20:00	22.397	32.947	13.124
9/13/08	0:00	22.371	32.921	13.096
9/13/08	4:00	22.332	32.872	13.064
9/13/08	8:00	22.332	32.883	13.085
9/13/08	12:00	22.355	32.905	13.103
9/13/08	16:00	22.346	32.876	13.089
9/13/08	20:00	22.381	32.937	13.157
9/14/08	0:00	22.448	33.019	13.225
9/14/08	4:00	22.488	33.045	13.241
9/14/08	8:00	22.558	33.127	13.323
9/14/08	12:00	22.626	33.219	13.396
9/14/08	16:00	22.71	33.291	13.44

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/14/08	20:00	22.756	33.345	13.489
9/15/08	0:00	22.842	33.437	13.557
9/15/08	4:00	22.889	33.477	13.574
9/15/08	8:00	22.933	33.528	13.609
9/15/08	12:00	22.98	33.559	13.62
9/15/08	16:00	22.936	33.479	13.536
9/15/08	20:00	22.901	33.448	13.517
9/16/08	0:00	22.922	33.486	13.557
9/16/08	4:00	22.922	33.477	13.543
9/16/08	8:00	22.922	33.486	13.557
9/16/08	12:00	22.94	33.493	13.557
9/16/08	16:00	22.898	33.425	13.492
9/16/08	20:00	22.875	33.42	13.501
9/17/08	0:00	22.905	33.467	13.548
9/17/08	4:00	22.929	33.488	13.567
9/17/08	8:00	22.952	33.519	13.597
9/17/08	12:00	22.989	33.554	13.618
9/17/08	16:00	22.975	33.512	13.569
9/17/08	20:00	22.964	33.509	13.578
9/18/08	0:00	22.996	33.561	13.625
9/18/08	4:00	23.017	33.577	13.634
9/18/08	8:00	23.031	33.596	13.651
9/18/08	12:00	23.059	33.613	13.653
9/18/08	16:00	23.034	33.561	13.599
9/18/08	20:00	23.008	33.545	13.597
9/19/08	0:00	23.022	33.568	13.62
9/19/08	4:00	23.036	33.575	13.627
9/19/08	8:00	23.048	33.601	13.651
9/19/08	12:00	23.064	33.603	13.644
9/19/08	16:00	23.036	33.552	13.595
9/19/08	20:00	23.02	33.552	13.602
9/20/08	0:00	23.055	33.606	13.651
9/20/08	4:00	23.078	33.624	13.66
9/20/08	8:00	23.108	33.667	13.702
9/20/08	12:00	23.148	33.697	13.716
9/20/08	16:00	23.127	33.648	13.67
9/20/08	20:00	23.39	33.725	13.691
9/21/08	0:00	23.218	33.756	13.74
9/21/08	4:00	23.218	33.76	13.747
9/21/08	8:00	23.234	33.781	13.768
9/21/08	12:00	23.248	33.788	13.768
9/21/08	16:00	23.355	33.791	13.707
9/21/08	20:00	23.244	33.758	13.707

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/22/08	0:00	23.262	33.805	13.754
9/22/08	4:00	23.269	33.814	13.772
9/22/08	8:00	23.255	33.798	13.763
9/22/08	12:00	23.274	33.812	13.765
9/22/08	16:00	23.232	33.746	13.705
9/22/08	20:00	23.227	33.758	13.73
9/23/08	0:00	23.26	33.793	13.758
9/23/08	4:00	23.283	33.814	13.78
9/23/08	8:00	23.314	33.852	13.808
9/23/08	12:00	23.335	33.87	13.817
9/23/08	16:00	23.318	33.835	13.772
9/23/08	20:00	23.339	33.882	13.836
9/24/08	0:00	23.407	33.964	13.885
9/24/08	4:00	23.453	34.006	13.906
9/24/08	8:00	23.509	34.07	13.964
9/24/08	12:00	23.561	34.114	13.983
9/24/08	16:00	23.544	34.065	13.927
9/24/08	20:00	23.526	34.051	13.915
9/25/08	0:00	23.556	34.1	13.962
9/25/08	4:00	23.558	34.089	13.939
9/25/08	8:00	23.572	34.11	13.955
9/25/08	12:00	23.577	34.095	13.939
9/25/08	16:00	23.526	34.023	13.871
9/25/08	20:00	23.498	34.004	13.871
9/26/08	0:00	23.509	34.025	13.889
9/26/08	4:00	23.498	34.002	13.864
9/26/08	8:00	23.5	34.014	13.889
9/26/08	12:00	23.512	34.011	13.873
9/26/08	16:00	23.463	33.948	13.819
9/26/08	20:00	23.446	33.943	13.838
9/27/08	0:00	23.477	33.99	13.88
9/27/08	4:00	23.495	34.004	13.894
9/27/08	8:00	23.523	34.039	13.929
9/27/08	12:00	23.582	34.103	13.971
9/27/08	16:00	23.589	34.098	13.962
9/27/08	20:00	23.614	34.135	13.995
9/28/08	0:00	23.661	34.187	14.032
9/28/08	4:00	23.68	34.192	14.025
9/28/08	8:00	23.698	34.217	14.049
9/28/08	12:00	23.726	34.234	14.042
9/28/08	16:00	23.682	34.168	13.985
9/28/08	20:00	23.628	34.098	13.918
9/29/08	0:00	23.605	34.079	13.955

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/29/08	4:00	23.673	34.18	14.004
9/29/08	8:00	23.75	34.292	14.114
9/29/08	12:00	23.838	34.375	14.163
9/29/08	16:00	23.838	34.344	14.123
9/29/08	20:00	23.843	34.351	14.123
9/30/08	0:00	23.862	34.374	14.142
9/30/08	4:00	23.88	34.386	14.142
9/30/08	8:00	23.901	34.414	14.163
9/30/08	12:00	23.918	34.414	14.147
9/30/08	16:00	23.862	34.328	14.067
9/30/08	20:00	23.827	34.3	14.056
10/1/08	0:00	23.822	34.297	14.06
10/1/08	4:00	23.801	34.278	14.049
10/1/08	8:00	23.848	34.361	14.135
10/1/08	12:00	23.929	34.443	14.189
10/1/08	16:00	23.931	34.414	14.154
10/1/08	20:00	23.927	34.414	14.161
10/2/08	0:00	23.943	34.426	14.161
10/2/08	4:00	23.941	34.417	14.149
10/2/08	8:00	23.936	34.419	14.152
10/2/08	12:00	23.936	34.405	14.13
10/2/08	16:00	23.869	34.297	14.037
10/2/08	20:00	23.829	34.278	14.037
10/3/08	0:00	23.843	34.309	14.072
10/3/08	4:00	23.859	34.325	14.095
10/3/08	8:00	23.894	34.379	14.142
10/3/08	12:00	23.957	34.44	14.177
10/3/08	16:00	23.955	34.414	14.154
10/3/08	20:00	23.962	34.433	14.18
10/4/08	0:00	24.015	34.506	14.24
10/4/08	4:00	24.053	34.529	14.245
10/4/08	8:00	24.055	34.532	14.245
10/4/08	12:00	24.076	34.536	14.226
10/4/08	16:00	24.006	34.435	14.14
10/4/08	20:00	23.976	34.417	14.14
10/5/08	0:00	24.004	34.464	14.182
10/5/08	4:00	24.004	34.45	14.156
10/5/08	8:00	24.013	34.473	14.187
10/5/08	12:00	24.036	34.494	14.198
10/5/08	16:00	24.015	34.457	14.175
10/5/08	20:00	24.039	34.496	14.215
10/6/08	0:00	24.078	34.548	14.259
10/6/08	4:00	24.102	34.557	14.252

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/6/08	8:00	24.127	34.593	14.28
10/6/08	12:00	24.146	34.6	14.273
10/6/08	16:00	23.803	34.539	14.224
10/6/08	20:00	24.057	34.571	14.217
10/7/08	0:00	24.116	34.607	14.217
10/7/08	4:00	24.048	34.67	14.247
10/7/08	8:00	24.225	34.745	14.252
10/7/08	12:00	24.274	34.764	14.24
10/7/08	16:00	24.256	34.703	14.182
10/7/08	20:00	24.244	34.691	14.184
10/8/08	0:00	24.237	34.658	14.161
10/8/08	4:00	24.214	34.628	14.137
10/8/08	8:00	24.207	34.625	14.149
10/8/08	12:00	24.186	34.579	14.114
10/8/08	16:00	24.155	34.555	14.109
10/8/08	20:00	24.197	34.632	14.201
10/9/08	0:00	24.267	34.708	14.264
10/9/08	4:00	24.316	34.747	14.278
10/9/08	8:00	24.375	34.818	14.346
10/9/08	12:00	24.403	34.827	14.336
10/9/08	16:00	24.34	34.729	14.24
10/9/08	20:00	24.293	34.686	14.222
10/10/08	0:00	24.277	34.677	14.219
10/10/08	4:00	24.272	34.665	14.21
10/10/08	8:00	24.272	34.672	14.231
10/10/08	12:00	24.272	34.656	14.215
10/10/08	16:00	24.228	34.6	14.177
10/10/08	20:00	24.244	34.656	14.24
10/11/08	0:00	24.33	34.757	14.322
10/11/08	4:00	24.372	34.79	14.346
10/11/08	8:00	24.419	34.85	14.4
10/11/08	12:00	24.472	34.904	14.418
10/11/08	16:00	24.47	34.897	14.397
10/11/08	20:00	24.484	34.921	14.414
10/12/08	0:00	24.508	34.93	14.414
10/12/08	4:00	24.507	34.937	14.43
10/12/08	8:00	24.526	34.956	14.439
10/12/08	12:00	24.549	34.963	14.437
10/12/08	16:00	24.517	34.895	14.371
10/12/08	20:00	24.528	34.951	14.439
10/13/08	0:00	24.57	34.977	14.446
10/13/08	4:00	24.577	35.008	14.484
10/13/08	8:00	24.442	35.08	14.54

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/13/08	12:00	24.661	35.19	14.491
10/13/08	16:00	24.694	35.181	14.378
10/13/08	20:00	24.703	35.174	14.374
10/14/08	0:00	24.745	35.198	14.383
10/14/08	4:00	24.738	35.158	14.341
10/14/08	8:00	24.736	35.165	14.353
10/14/08	12:00	24.729	35.122	14.315
10/14/08	16:00	24.654	35.005	14.233
10/14/08	20:00	24.5	34.963	14.224
10/15/08	0:00	24.556	34.921	14.128
10/15/08	4:00	24.323	34.867	14.039
10/15/08	8:00	24.466	34.874	13.922
10/15/08	12:00	24.517	34.935	13.939
10/15/08	16:00	24.514	34.895	13.904
10/15/08	20:00	24.524	34.904	13.932
10/16/08	0:00	24.568	34.947	13.974
10/16/08	4:00	24.58	34.937	13.964
10/16/08	8:00	24.591	34.947	13.992
10/16/08	12:00	24.601	34.944	13.974
10/16/08	16:00	24.524	34.839	13.889
10/16/08	20:00	24.47	34.799	13.885
10/17/08	0:00	24.487	34.822	13.911
10/17/08	4:00	24.445	34.747	13.836
10/17/08	8:00	24.412	34.743	13.857
10/17/08	12:00	24.414	34.757	13.885
10/17/08	16:00	24.584	34.82	13.925
10/17/08	20:00	24.517	34.888	13.999
10/18/08	0:00	24.552	34.916	14.028
10/18/08	4:00	24.566	34.921	14.025
10/18/08	8:00	24.577	34.94	14.044
10/18/08	12:00	24.594	34.944	14.042
10/18/08	16:00	24.514	34.829	13.927
10/18/08	20:00	24.456	34.78	13.906
10/19/08	0:00	24.431	34.759	13.892
10/19/08	4:00	24.396	34.714	13.864
10/19/08	8:00	24.361	34.691	13.859
10/19/08	12:00	24.358	34.686	13.859
10/19/08	16:00	24.314	34.637	13.838
10/19/08	20:00	24.368	34.729	13.936
10/20/08	0:00	24.44	34.815	14.006
10/20/08	4:00	24.524	34.909	14.1
10/20/08	8:00	24.636	35.038	14.205
10/20/08	12:00	24.738	35.146	14.273

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/20/08	16:00	24.743	35.111	14.217
10/20/08	20:00	24.759	35.139	14.25
10/21/08	0:00	24.78	35.158	14.245
10/21/08	4:00	24.787	35.155	14.24
10/21/08	8:00	24.771	35.125	14.212
10/21/08	12:00	24.738	35.066	14.177
10/21/08	16:00	24.636	34.942	14.051
10/21/08	20:00	24.573	34.904	14.042
10/22/08	0:00	24.549	34.881	14.018
10/22/08	4:00	24.44	34.808	13.925
10/22/08	8:00	24.307	34.675	13.576
10/22/08	12:00	24.277	34.644	13.501
10/22/08	16:00	24.251	34.623	13.471
10/22/08	20:00	24.242	34.609	13.471
10/23/08	0:00	24.225	34.59	13.424
10/23/08	4:00	24.232	34.581	13.396
10/23/08	8:00	24.253	34.607	13.426
10/23/08	12:00	24.288	34.628	13.454
10/23/08	16:00	24.286	34.616	13.445
10/23/08	20:00	24.302	34.632	13.466
10/24/08	0:00	24.316	34.635	13.471
10/24/08	4:00	24.272	34.569	13.426
10/24/08	8:00	24.256	34.562	13.429
10/24/08	12:00	24.27	34.59	13.461
10/24/08	16:00	24.277	34.6	13.473
10/24/08	20:00	24.3	34.63	13.506
10/25/08	0:00	24.314	34.635	13.501
10/25/08	4:00	24.279	34.581	13.457
10/25/08	8:00	24.26	34.569	13.454
10/25/08	12:00	24.242	34.539	13.429
10/25/08	16:00	24.169	34.454	13.375
10/25/08	20:00	24.176	34.492	13.422
10/26/08	0:00	24.181	34.489	13.496
10/26/08	4:00	24.298	34.661	13.618
10/26/08	8:00	24.454	34.855	13.777
10/26/08	12:00	24.601	35.012	13.892
10/26/08	16:00	24.661	35.064	13.939
10/26/08	20:00	24.783	35.204	14.032
10/27/08	0:00	24.857	35.258	14.053
10/27/08	4:00	24.871	35.256	14.039
10/27/08	8:00	24.916	35.322	14.098
10/27/08	12:00	24.981	35.38	14.126
10/27/08	16:00	24.946	35.315	14.058

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/27/08	20:00	24.932	35.312	14.065
10/28/08	0:00	24.948	35.331	14.084
10/28/08	4:00	24.941	35.319	14.077
10/28/08	8:00	24.937	35.317	14.079
10/28/08	12:00	24.937	35.308	14.07
10/28/08	16:00	24.836	35.167	13.95
10/28/08	20:00	24.773	35.122	13.939
10/29/08	0:00	24.745	35.09	13.918
10/29/08	4:00	24.692	35.029	13.885
10/29/08	8:00	24.654	34.996	13.887
10/29/08	12:00	24.689	35.057	13.948
10/29/08	16:00	24.65	34.989	13.896
10/29/08	20:00	24.64	34.993	13.924
10/30/08	0:00	24.64	34.989	13.932
10/30/08	4:00	24.636	34.987	13.939
10/30/08	8:00	24.622	34.97	13.936
10/30/08	12:00	24.631	34.989	13.96
10/30/08	16:00	24.587	34.919	13.899
10/30/08	20:00	24.612	34.982	13.978
10/31/08	0:00	24.664	35.043	14.041
10/31/08	4:00	24.724	35.111	14.1
10/31/08	8:00	24.79	35.186	14.168
10/31/08	12:00	24.862	35.261	14.219
10/31/08	16:00	24.869	35.237	14.194
10/31/08	20:00	24.897	35.284	14.245
11/1/08	0:00	24.923	35.298	14.252
11/1/08	4:00	24.932	35.303	14.25
11/1/08	8:00	24.932	35.305	14.257
11/1/08	12:00	24.948	35.317	14.259
11/1/08	16:00	24.888	35.219	14.177
11/1/08	20:00	24.857	35.2	14.177
11/2/08	0:00	24.839	35.174	14.163
11/2/08	4:00	24.806	35.148	14.147
11/2/08	8:00	24.783	35.125	14.142
11/2/08	12:00	24.787	35.134	14.152
11/2/08	16:00	24.722	35.036	14.084
11/2/08	20:00	24.694	35.026	14.093
11/3/08	0:00	24.699	35.029	14.107
11/3/08	4:00	24.68	35.003	14.093
11/3/08	8:00	24.675	35.005	14.114
11/3/08	12:00	24.703	35.045	14.154
11/3/08	16:00	24.692	35.019	14.14
11/3/08	20:00	24.729	35.087	14.212

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/4/08	0:00	24.783	35.137	14.247
11/4/08	4:00	24.79	35.129	14.238
11/4/08	8:00	24.78	35.104	14.212
11/4/08	12:00	24.755	35.073	14.184
11/4/08	16:00	24.671	34.951	14.095
11/4/08	20:00	24.631	34.935	14.095
11/5/08	0:00	24.624	34.921	14.088
11/5/08	4:00	24.566	34.848	14.034
11/5/08	8:00	24.531	34.827	14.03
11/5/08	12:00	24.526	34.82	14.041
11/5/08	16:00	24.51	34.818	14.051
11/5/08	20:00	24.54	34.883	14.128
11/6/08	0:00	24.626	34.979	14.182
11/6/08	4:00	24.647	34.97	14.182
11/6/08	8:00	24.629	34.937	14.152
11/6/08	12:00	24.647	34.986	14.201
11/6/08	16:00	24.678	35.022	14.245
11/6/08	20:00	24.801	35.202	14.397
11/7/08	0:00	24.904	35.291	14.442
11/7/08	4:00	24.92	35.277	14.409
11/7/08	8:00	24.918	35.275	14.404
11/7/08	12:00	24.944	35.312	14.435
11/7/08	16:00	24.981	35.359	14.47
11/7/08	20:00	25.051	35.441	14.526
11/8/08	0:00	25.086	35.467	14.528
11/8/08	4:00	25.102	35.483	14.542
11/8/08	8:00	25.137	35.526	14.573
11/8/08	12:00	25.2	35.603	14.633
11/8/08	16:00	25.228	35.617	14.636
11/8/08	20:00	25.275	35.673	14.68
11/9/08	0:00	25.314	35.706	14.694
11/9/08	4:00	25.326	35.713	14.697
11/9/08	8:00	25.345	35.73	14.708
11/9/08	12:00	25.38	35.772	14.725
11/9/08	16:00	25.356	35.727	14.683
11/9/08	20:00	25.352	35.727	14.692
11/10/08	0:00	25.394	35.791	14.75
11/10/08	4:00	25.419	35.809	14.76
11/10/08	8:00	25.419	35.805	14.755
11/10/08	12:00	25.419	35.793	14.753
11/10/08	16:00	25.391	35.762	14.706
11/10/08	20:00	25.373	35.744	14.704
11/11/08	0:00	25.347	35.702	14.664

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/11/08	4:00	25.305	35.655	14.619
11/11/08	8:00	25.272	35.636	14.629
11/11/08	12:00	25.282	35.652	14.64
11/11/08	16:00	25.244	35.601	14.612
11/11/08	20:00	25.258	35.636	14.645
11/12/08	0:00	25.298	35.68	14.654
11/12/08	4:00	25.305	35.676	14.65
11/12/08	8:00	25.312	35.678	14.645
11/12/08	12:00	25.345	35.716	14.666
11/12/08	16:00	25.305	35.645	14.598
11/12/08	20:00	25.275	35.612	14.575
11/13/08	0:00	25.235	35.542	14.521
11/13/08	4:00	25.144	35.434	14.453
11/13/08	8:00	25.065	35.355	14.404
11/13/08	12:00	25.025	35.317	14.39
11/13/08	16:00	24.986	35.284	14.399
11/13/08	20:00	25.032	35.378	14.47
11/14/08	0:00	25.081	35.418	14.519
11/14/08	4:00	25.121	35.46	14.552
11/14/08	8:00	25.214	35.587	14.673
11/14/08	12:00	25.352	35.741	14.788
11/14/08	16:00	25.452	35.835	14.844
11/14/08	20:00	25.55	35.955	14.931
11/15/08	0:00	25.653	36.058	14.994
11/15/08	4:00	25.713	36.109	15.017
11/15/08	8:00	25.746	36.131	15.015
11/15/08	12:00	25.783	36.166	15.029
11/15/08	16:00	25.755	36.112	14.973
11/15/08	20:00	25.753	36.114	14.966
11/16/08	0:00	25.708	36.044	14.898
11/16/08	4:00	25.625	35.943	14.811
11/16/08	8:00	25.569	35.903	14.809
11/16/08	12:00	25.629	36.013	14.914
11/16/08	16:00	25.669	36.039	14.928
11/16/08	20:00	25.732	36.126	15.012
11/17/08	0:00	25.809	36.206	15.069
11/17/08	4:00	25.872	36.274	15.113
11/17/08	8:00	25.944	36.351	15.169
11/17/08	12:00	26.037	36.454	15.244
11/17/08	16:00	26.044	36.428	15.202
11/17/08	20:00	26.068	36.461	15.228
11/18/08	0:00	26.103	36.496	15.244
11/18/08	4:00	26.121	36.506	15.246

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/18/08	8:00	26.098	36.456	15.202
11/18/08	12:00	26.072	36.421	15.162
11/18/08	16:00	25.911	36.196	14.966
11/18/08	20:00	25.781	36.079	14.9
11/19/08	0:00	25.681	35.973	14.823
11/19/08	4:00	25.587	35.887	14.795
11/19/08	8:00	25.583	35.92	14.846
11/19/08	12:00	25.657	36.03	14.949
11/19/08	16:00	25.713	36.091	15.019
11/19/08	20:00	25.865	36.285	15.176
11/20/08	0:00	25.977	36.388	15.239
11/20/08	4:00	26.051	36.461	15.286
11/20/08	8:00	26.119	36.529	15.338
11/20/08	12:00	26.205	36.628	15.394
11/20/08	16:00	26.226	36.614	15.373
11/20/08	20:00	26.266	36.663	15.406
11/21/08	0:00	26.275	36.658	15.377
11/21/08	4:00	26.264	36.642	15.368
11/21/08	8:00	26.231	36.592	15.324
11/21/08	12:00	26.201	36.548	15.275
11/21/08	16:00	26.1	36.424	15.181
11/21/08	20:00	26.033	36.37	15.155
11/22/08	0:00	25.998	36.33	15.139
11/22/08	4:00	25.939	36.267	15.09
11/22/08	8:00	25.881	36.208	15.062
11/22/08	12:00	25.869	36.215	15.08
11/22/08	16:00	25.865	36.215	15.094
11/22/08	20:00	25.907	36.271	15.143
11/23/08	0:00	25.897	36.236	15.118
11/23/08	4:00	25.86	36.196	15.087
11/23/08	8:00	25.823	36.14	15.057
11/23/08	12:00	25.792	36.109	15.036
11/23/08	16:00	25.715	36.032	15.001
11/23/08	20:00	25.79	36.163	15.118
11/24/08	0:00	25.888	36.269	15.202
11/24/08	4:00	25.951	36.332	15.246
11/24/08	8:00	26.007	36.389	15.289
11/24/08	12:00	26.047	36.405	15.291
11/24/08	16:00	26.007	36.346	15.23
11/24/08	20:00	26.007	36.36	15.244
11/25/08	0:00	26.033	36.396	15.277
11/25/08	4:00	26.044	36.407	15.282
11/25/08	8:00	26.065	36.426	15.296

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/25/08	12:00	26.075	36.424	15.286
11/25/08	16:00	26.007	36.316	15.197
11/25/08	20:00	25.981	36.32	15.218
11/26/08	0:00	25.981	36.316	15.204
11/26/08	4:00	25.97	36.311	15.214
11/26/08	8:00	25.984	36.342	15.244
11/26/08	12:00	26.03	36.393	15.289
11/26/08	16:00	26.019	36.358	15.253
11/26/08	20:00	26.016	36.36	15.267
11/27/08	0:00	26.04	36.384	15.284
11/27/08	4:00	26.044	36.391	15.305
11/27/08	8:00	26.063	36.414	15.338
11/27/08	12:00	26.163	36.548	15.42
11/27/08	16:00	26.17	36.529	15.403
11/27/08	20:00	26.196	36.553	15.41
11/28/08	0:00	26.194	36.546	15.401
11/28/08	4:00	26.196	36.543	15.391
11/28/08	8:00	26.18	36.524	15.377
11/28/08	12:00	26.184	36.524	15.37
11/28/08	16:00	26.114	36.419	15.282
11/28/08	20:00	26.089	36.414	15.286
11/29/08	0:00	26.089	36.419	15.298
11/29/08	4:00	26.056	36.365	15.251
11/29/08	8:00	26.005	36.309	15.218
11/29/08	12:00	25.974	36.281	15.204
11/29/08	16:00	25.9	36.187	15.134
11/29/08	20:00	25.9	36.222	15.181
11/30/08	0:00	25.911	36.227	15.188
11/30/08	4:00	25.886	36.194	15.158
11/30/08	8:00	25.883	36.203	15.181
11/30/08	12:00	25.925	36.262	15.225
11/30/08	16:00	25.935	36.26	15.23
11/30/08	20:00	25.995	36.349	15.3
12/1/08	0:00	26.049	36.405	15.349
12/1/08	4:00	26.121	36.485	15.413
12/1/08	8:00	26.205	36.583	15.473
12/1/08	12:00	26.301	36.693	15.546
12/1/08	16:00	26.322	36.679	15.518
12/1/08	20:00	26.331	36.679	15.501
12/2/08	0:00	26.317	36.656	15.469
12/2/08	4:00	26.277	36.588	15.406
12/2/08	8:00	26.182	36.478	15.328
12/2/08	12:00	26.156	36.473	15.338

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/2/08	16:00	26.119	36.431	15.31
12/2/08	20:00	26.119	36.447	15.333
12/3/08	0:00	26.145	36.485	15.373
12/3/08	4:00	26.264	36.653	15.529
12/3/08	8:00	26.401	36.801	15.637
12/3/08	12:00	26.567	36.993	15.759
12/3/08	16:00	26.63	37.021	15.754
12/3/08	20:00	26.704	37.108	15.799
12/4/08	0:00	26.758	37.151	15.82
12/4/08	4:00	26.791	37.181	15.836
12/4/08	8:00	26.865	37.275	15.894
12/4/08	12:00	26.975	37.408	15.969
12/4/08	16:00	26.991	37.378	15.923
12/4/08	20:00	27.017	37.415	15.953
12/5/08	0:00	27.012	37.394	15.911
12/5/08	4:00	26.956	37.308	15.843
12/5/08	8:00	26.87	37.2	15.759
12/5/08	12:00	26.772	37.073	15.651
12/5/08	16:00	26.567	36.815	15.473
12/5/08	20:00	26.431	36.703	15.431
12/6/08	0:00	26.385	36.698	15.45
12/6/08	4:00	26.392	36.726	15.487
12/6/08	8:00	26.455	36.827	15.593
12/6/08	12:00	26.597	37.01	15.735
12/6/08	16:00	26.672	37.059	15.764
12/6/08	20:00	26.758	37.151	15.834
12/7/08	0:00	26.802	37.172	15.831
12/7/08	4:00	26.786	37.108	15.763
12/7/08	8:00	26.728	37.054	15.717
12/7/08	12:00	26.66	36.963	15.637
12/7/08	16:00	26.527	36.813	15.532
12/7/08	20:00	26.49	36.803	15.551
12/8/08	0:00	26.462	36.766	15.532
12/8/08	4:00	26.413	36.707	15.499
12/8/08	8:00	26.359	36.651	15.476
12/8/08	12:00	26.317	36.604	15.438
12/8/08	16:00	26.243	36.522	15.405
12/8/08	20:00	26.264	36.578	15.473
12/9/08	0:00	26.34	36.689	15.562
12/9/08	4:00	26.452	36.82	15.658
12/9/08	8:00	26.604	37.01	15.789
12/9/08	12:00	26.786	37.211	15.941
12/9/08	16:00	26.872	37.272	15.958

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/9/08	20:00	26.979	37.397	16.037
12/10/08	0:00	27.047	37.436	16.037
12/10/08	4:00	27.049	37.425	16.011
12/10/08	8:00	27.045	37.415	15.99
12/10/08	12:00	27.035	37.394	15.965
12/10/08	16:00	26.958	37.282	15.878
12/10/08	20:00	26.94	37.284	15.892
12/11/08	0:00	26.919	37.256	15.869
12/11/08	4:00	26.886	37.223	15.848
12/11/08	8:00	26.874	37.225	15.864
12/11/08	12:00	26.912	37.268	15.906
12/11/08	16:00	26.895	37.242	15.88
12/11/08	20:00	26.942	37.305	15.948
12/12/08	0:00	26.998	37.373	16.007
12/12/08	4:00	27.052	37.422	16.025
12/12/08	8:00	27.045	37.394	16.002
12/12/08	12:00	27.047	37.39	15.983
12/12/08	16:00	26.935	37.225	15.852
12/12/08	20:00	26.856	37.146	15.789
12/13/08	0:00	26.763	37.036	15.719
12/13/08	4:00	26.618	36.855	15.6
12/13/08	8:00	26.499	36.757	15.553
12/13/08	12:00	26.445	36.707	15.529
12/13/08	16:00	26.35	36.602	15.473
12/13/08	20:00	26.361	36.649	15.527
12/14/08	0:00	26.338	36.597	15.487
12/14/08	4:00	26.298	36.562	15.471
12/14/08	8:00	26.415	36.789	15.705
12/14/08	12:00	26.672	37.087	15.894
12/14/08	16:00	26.814	37.223	15.979
12/14/08	20:00	26.991	37.415	16.107
12/15/08	0:00	27.173	37.624	16.241
12/15/08	4:00	27.348	37.798	16.344
12/15/08	8:00	27.485	37.936	16.386
12/15/08	12:00	27.604	38.051	16.442
12/15/08	16:00	27.637	38.051	16.414
12/15/08	20:00	27.642	38.046	16.395
12/16/08	0:00	27.632	38.023	16.36
12/16/08	4:00	27.574	37.936	16.283
12/16/08	8:00	27.457	37.793	16.178
12/16/08	12:00	27.339	37.664	16.093
12/16/08	16:00	27.203	37.509	16.007
12/16/08	20:00	27.161	37.507	16.042

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/17/08	0:00	27.168	37.519	16.056
12/17/08	4:00	27.194	37.558	16.093
12/17/08	8:00	27.241	37.617	16.149
12/17/08	12:00	27.287	37.676	16.185
12/17/08	16:00	27.278	37.624	16.14
12/17/08	20:00	27.266	37.629	16.161
12/18/08	0:00	27.297	37.657	16.175
12/18/08	4:00	27.278	37.629	16.159
12/18/08	8:00	27.29	37.657	16.182
12/18/08	12:00	27.287	37.652	16.18
12/18/08	16:00	27.199	37.502	16.051
12/18/08	20:00	27.117	37.413	16.016
12/19/08	0:00	26.963	37.225	15.869
12/19/08	4:00	26.914	37.249	15.955
12/19/08	8:00	27.08	37.481	16.133
12/19/08	12:00	27.245	37.666	16.248
12/19/08	16:00	27.257	37.598	16.164
12/19/08	20:00	27.278	37.64	16.206
12/20/08	0:00	27.266	37.605	16.173
12/20/08	4:00	27.187	37.495	16.086
12/20/08	8:00	27.217	37.568	16.149
12/20/08	12:00	27.294	37.683	16.264
12/20/08	16:00	27.346	37.725	16.283
12/20/08	20:00	27.448	37.842	16.358
12/21/08	0:00	27.523	37.922	16.405
12/21/08	4:00	27.569	37.966	16.428
12/21/08	8:00	27.595	37.98	16.423
12/21/08	12:00	27.649	38.051	16.475
12/21/08	16:00	27.7	38.102	16.5
12/21/08	20:00	27.749	38.149	16.521
12/22/08	0:00	27.779	38.182	16.531
12/22/08	4:00	27.763	38.149	16.5
12/22/08	8:00	27.733	38.1	16.454
12/22/08	12:00	27.695	38.044	16.416
12/22/08	16:00	27.546	37.835	16.257
12/22/08	20:00	27.42	37.72	16.189
12/23/08	0:00	27.287	37.556	16.11
12/23/08	4:00	27.171	37.432	16.014
12/23/08	8:00	27.073	37.354	15.993
12/23/08	12:00	27.068	37.371	16.021
12/23/08	16:00	27.047	37.357	16.016
12/23/08	20:00	27.117	37.474	16.135
12/24/08	0:00	27.222	37.596	16.196

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/24/08	4:00	27.264	37.622	16.227
12/24/08	8:00	27.346	37.72	16.304
12/24/08	12:00	27.462	37.863	16.402
12/24/08	16:00	27.527	37.912	16.426
12/24/08	20:00	27.602	37.971	16.444
12/25/08	0:00	27.632	38.002	16.477
12/25/08	4:00	27.637	37.987	16.444
12/25/08	8:00	27.6	37.926	16.383
12/25/08	12:00	27.551	37.868	16.341
12/25/08	16:00	27.388	37.643	16.168
12/25/08	20:00	27.299	37.577	16.154
12/26/08	0:00	27.222	37.49	16.091
12/26/08	4:00	27.164	37.451	16.086
12/26/08	8:00	27.147	37.441	16.096
12/26/08	12:00	27.133	37.415	16.075
12/26/08	16:00	26.742	37.35	16.03
12/26/08	20:00	27.091	37.408	16.042
12/27/08	0:00	27.203	37.582	16.196
12/27/08	4:00	27.313	37.683	16.248
12/27/08	8:00	27.378	37.723	16.25
12/27/08	12:00	27.385	37.715	16.255
12/27/08	16:00	27.371	37.69	16.213
12/27/08	20:00	27.423	37.767	16.294
12/28/08	0:00	27.485	37.83	16.332
12/28/08	4:00	27.534	37.882	16.367
12/28/08	8:00	27.583	37.929	16.402
12/28/08	12:00	27.656	38.016	16.456
12/28/08	16:00	27.646	37.98	16.411
12/28/08	20:00	27.663	37.999	16.43
12/29/08	0:00	27.66	37.976	16.409
12/29/08	4:00	27.635	37.95	16.402
12/29/08	8:00	27.707	38.079	16.519
12/29/08	12:00	27.849	38.238	16.615
12/29/08	16:00	27.875	38.227	16.585
12/29/08	20:00	27.884	38.22	16.575
12/30/08	0:00	27.803	38.088	16.458
12/30/08	4:00	27.667	37.91	16.334
12/30/08	8:00	27.523	37.767	16.236
12/30/08	12:00	27.539	37.868	16.36
12/30/08	16:00	27.644	38.016	16.493
12/30/08	20:00	27.847	38.288	16.702
12/31/08	0:00	28.05	38.475	16.788
12/31/08	4:00	28.157	38.569	16.821

Table S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/31/08	8:00	28.199	38.59	16.821
12/31/08	12:00	28.213	38.578	16.788
12/31/08	16:00	28.078	38.367	16.615
12/31/08	20:00	27.929	38.201	16.5

TABLE S1.3 Automatically measured water levels in headwaters area wells in 2008.

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
1/1/08	0:00	7.119	7.063	4.69	3.624	2.236	1.121	-0.356
1/1/08	4:00	7.152	7.102	4.709	3.655	2.246	1.154	-0.563
1/1/08	8:00	7.176	7.128	4.725	3.671	2.253	1.175	-0.617
1/1/08	12:00	7.206	7.162	4.746	3.702	2.277	1.203	-0.603
1/1/08	16:00	7.22	7.174	4.751	3.706	2.26	1.205	-0.477
1/1/08	20:00	7.241	7.195	4.763	3.723	2.276	1.224	-0.669
1/2/08	0:00	7.26	7.213	4.774	3.737	2.293	1.22	-0.769
1/2/08	4:00	7.27	7.22	4.779	3.741	2.316	1.236	-0.774
1/2/08	8:00	7.286	7.239	4.791	3.758	2.337	1.241	-0.795
1/2/08	12:00	7.302	7.258	4.802	3.77	2.346	1.264	-0.578
1/2/08	16:00	7.279	7.227	4.774	3.73	2.279	1.241	-0.194
1/2/08	20:00	7.258	7.197	4.756	3.704	2.255	1.21	-0.244
1/3/08	0:00	7.234	7.172	4.744	3.688	2.265	1.201	-0.211
1/3/08	4:00	7.197	7.123	4.716	3.645	2.256	1.156	-0.024
1/3/08	8:00	7.15	7.072	4.683	3.601	2.244	1.131	0.156
1/3/08	12:00	7.126	7.046	4.671	3.584	2.244	1.135	0.528
1/3/08	16:00	7.094	7.007	4.641	3.549	2.188	1.121	-0.286
1/3/08	20:00	7.072	6.988	4.634	3.54	2.167	1.098	-0.395
1/4/08	0:00	7.058	6.972	4.624	3.531	2.159	1.082	-0.4
1/4/08	4:00	7.047	6.958	4.615	3.517	2.15	1.056	-0.412
1/4/08	8:00	7.033	6.947	4.615	3.512	2.162	1.047	-0.414
1/4/08	12:00	7.028	6.942	4.613	3.509	2.16	1.051	-0.416
1/4/08	16:00	7.011	6.916	4.594	3.486	2.141	1.056	-0.344
1/4/08	20:00	7.002	6.912	4.592	3.484	2.139	1.051	-0.435
1/5/08	0:00	6.988	6.896	4.58	3.465	2.122	1.03	-0.358
1/5/08	4:00	6.976	6.884	4.573	3.46	2.118	1.009	-0.325
1/5/08	8:00	6.969	6.877	4.577	3.458	2.127	0.997	-0.281
1/5/08	12:00	6.972	6.879	4.58	3.458	2.141	1.018	-0.134
1/5/08	16:00	6.955	6.858	4.568	3.444	2.155	1.007	-0.103
1/5/08	20:00	6.951	6.854	4.563	3.442	2.169	0.995	-0.003
1/6/08	0:00	6.939	6.842	4.556	3.43	2.162	0.993	-0.251
1/6/08	4:00	6.941	6.847	4.563	3.437	2.171	0.99	-0.253
1/6/08	8:00	6.964	6.879	4.585	3.47	2.178	0.997	-0.256
1/6/08	12:00	6.997	6.914	4.606	3.495	2.181	1.014	-0.256
1/6/08	16:00	7.016	6.935	4.613	3.509	2.195	1.028	-0.258
1/6/08	20:00	7.03	6.954	4.617	3.519	2.211	1.04	-0.251
1/7/08	0:00	7.03	6.949	4.61	3.509	2.209	1.047	-0.258
1/7/08	4:00	7.03	6.951	4.62	3.517	2.222	1.051	-0.256
1/7/08	8:00	7.002	6.919	4.603	3.521	2.218	1.042	-0.256
1/7/08	12:00	7.023	6.942	4.615	3.509	2.227	1.047	-0.249
1/7/08	16:00	7.03	6.949	4.606	3.507	2.225	1.051	-0.249
1/7/08	20:00	7.049	6.977	4.61	3.519	2.246	1.058	-0.258
1/8/08	0:00	7.049	6.974	4.613	3.514	2.248	1.063	-0.263
1/8/08	4:00	7.044	6.965	4.613	3.514	2.25	1.063	-0.253

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
1/8/08	8:00	7.082	7.009	4.645	3.561	2.265	1.082	-0.253
1/8/08	12:00	7.107	7.039	4.664	3.582	2.272	1.098	-0.253
1/8/08	16:00	7.129	7.06	4.674	3.596	2.272	1.112	-0.251
1/8/08	20:00	7.15	7.088	4.681	3.615	2.286	1.126	-0.249
1/9/08	0:00	7.164	7.097	4.69	3.627	2.288	1.147	-0.253
1/9/08	4:00	7.15	7.081	4.681	3.606	2.272	1.14	-0.242
1/9/08	8:00	7.131	7.058	4.671	3.589	2.258	1.128	-0.239
1/9/08	12:00	7.136	7.06	4.676	3.601	2.253	1.133	-0.146
1/9/08	16:00	7.084	7.002	4.638	3.54	2.248	1.114	0.071
1/9/08	20:00	7.077	6.995	4.643	3.547	2.262	1.103	0.076
1/10/08	0:00	7.075	6.995	4.641	3.547	2.267	1.1	0.078
1/10/08	4:00	7.061	6.981	4.634	3.535	2.262	1.093	0.132
1/10/08	8:00	7.056	6.972	4.634	3.533	2.263	1.089	0.163
1/10/08	12:00	7.063	6.981	4.641	3.545	2.265	1.089	0.123
1/10/08	16:00	7.061	6.984	4.641	3.545	2.267	1.086	-0.256
1/10/08	20:00	7.089	7.012	4.655	3.568	2.272	1.096	-0.258
1/11/08	0:00	7.108	7.032	4.664	3.582	2.274	1.119	-0.242
1/11/08	4:00	7.11	7.035	4.669	3.584	2.267	1.121	-0.279
1/11/08	8:00	7.107	7.032	4.671	3.584	2.26	1.114	-0.342
1/11/08	12:00	7.112	7.032	4.678	3.589	2.26	1.11	-0.365
1/11/08	16:00	7.096	7.016	4.664	3.57	2.251	1.107	-0.244
1/11/08	20:00	7.114	7.039	4.678	3.594	2.263	1.112	-0.256
1/12/08	0:00	7.133	7.06	4.688	3.61	2.267	1.121	-0.258
1/12/08	4:00	7.159	7.09	4.706	3.634	2.275	1.138	-0.249
1/12/08	8:00	7.19	7.128	4.734	3.669	2.288	1.154	-0.253
1/12/08	12:00	7.22	7.162	4.756	3.697	2.293	1.173	-0.242
1/12/08	16:00	7.236	7.172	4.753	3.697	2.291	1.182	-0.249
1/12/08	20:00	7.255	7.197	4.77	3.718	2.303	1.201	-0.246
1/13/08	0:00	7.267	7.206	4.772	3.725	2.298	1.212	-0.342
1/13/08	4:00	7.272	7.213	4.779	3.727	2.307	1.222	-0.26
1/13/08	8:00	7.279	7.218	4.786	3.73	2.3	1.224	-0.267
1/13/08	12:00	7.283	7.223	4.788	3.734	2.3	1.231	-0.26
1/13/08	16:00	7.25	7.186	4.758	3.695	2.267	1.21	-0.281
1/13/08	20:00	7.269	7.206	4.774	3.72	2.282	1.208	-0.262
1/14/08	0:00	7.297	7.241	4.795	3.751	2.291	1.222	-0.248
1/14/08	4:00	7.314	7.26	4.807	3.77	2.3	1.236	-0.237
1/14/08	8:00	7.33	7.278	4.821	3.781	2.319	1.259	-0.227
1/14/08	12:00	7.349	7.297	4.838	3.798	2.335	1.269	-0.213
1/14/08	16:00	7.342	7.285	4.821	3.781	2.298	1.255	-0.23
1/14/08	20:00	7.342	7.283	4.821	3.777	2.298	1.259	-0.232
1/15/08	0:00	7.33	7.269	4.821	3.767	2.321	1.25	-0.241
1/15/08	4:00	7.304	7.237	4.805	3.744	2.333	1.229	-0.262
1/15/08	8:00	7.272	7.197	4.784	3.713	2.333	1.215	-0.283
1/15/08	12:00	7.241	7.162	4.76	3.678	2.324	1.21	-0.307

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
1/15/08	16:00	7.192	7.107	4.72	3.627	2.249	1.227	-0.344
1/15/08	20:00	7.173	7.088	4.716	3.624	2.233	1.182	-0.346
1/16/08	0:00	7.168	7.083	4.711	3.62	2.214	1.161	-0.351
1/16/08	4:00	7.196	7.118	4.737	3.657	2.223	1.156	-0.325
1/16/08	8:00	7.236	7.167	4.767	3.697	2.221	1.18	-0.297
1/16/08	12:00	7.279	7.213	4.795	3.734	2.221	1.175	-0.271
1/16/08	16:00	7.295	7.227	4.793	3.739	2.209	1.201	-0.271
1/16/08	20:00	7.312	7.248	4.807	3.751	2.223	1.21	-0.26
1/17/08	0:00	7.318	7.253	4.805	3.751	2.218	1.208	-0.26
1/17/08	4:00	7.3	7.232	4.791	3.73	2.212	1.198	-0.271
1/17/08	8:00	7.276	7.202	4.774	3.709	2.207	1.184	-0.288
1/17/08	12:00	7.286	7.216	4.784	3.723	2.217	1.194	-0.281
1/17/08	16:00	7.255	7.181	4.76	3.69	2.205	1.175	-0.304
1/17/08	20:00	7.253	7.179	4.765	3.692	2.209	1.175	-0.302
1/18/08	0:00	7.253	7.179	4.763	3.692	2.211	1.177	-0.302
1/18/08	4:00	7.255	7.181	4.765	3.695	2.207	1.18	-0.297
1/18/08	8:00	7.29	7.223	4.798	3.737	2.23	1.208	-0.269
1/18/08	12:00	7.361	7.306	4.852	3.812	2.253	1.262	-0.215
1/18/08	16:00	7.379	7.327	4.849	3.814	2.24	1.262	-0.215
1/18/08	20:00	7.403	7.35	4.866	3.835	2.251	1.285	-0.197
1/19/08	0:00	7.433	7.388	4.884	3.866	2.256	1.294	-0.171
1/19/08	4:00	7.438	7.39	4.882	3.856	2.251	1.29	-0.178
1/19/08	8:00	7.443	7.392	4.887	3.859	2.265	1.297	-0.173
1/19/08	12:00	7.457	7.408	4.903	3.875	2.284	1.315	-0.159
1/19/08	16:00	7.433	7.378	4.875	3.842	2.265	1.297	-0.192
1/19/08	20:00	7.431	7.374	4.877	3.842	2.265	1.297	-0.19
1/20/08	0:00	7.438	7.378	4.884	3.847	2.274	1.297	-0.185
1/20/08	4:00	7.445	7.388	4.896	3.859	2.291	1.304	-0.178
1/20/08	8:00	7.462	7.406	4.908	3.873	2.289	1.32	-0.162
1/20/08	12:00	7.473	7.42	4.915	3.889	2.282	1.329	-0.152
1/20/08	16:00	7.438	7.374	4.88	3.842	2.249	1.297	-0.192
1/20/08	20:00	7.45	7.392	4.898	3.866	2.254	1.306	-0.171
1/21/08	0:00	7.443	7.381	4.887	3.849	2.249	1.299	-0.185
1/21/08	4:00	7.412	7.346	4.866	3.816	2.242	1.271	-0.213
1/21/08	8:00	7.389	7.32	4.852	3.795	2.235	1.262	-0.232
1/21/08	12:00	7.375	7.304	4.845	3.786	2.242	1.257	-0.243
1/21/08	16:00	7.351	7.276	4.828	3.76	2.226	1.234	-0.264
1/21/08	20:00	7.375	7.306	4.854	3.8	2.247	1.252	-0.232
1/22/08	0:00	7.422	7.364	4.887	3.845	2.265	1.29	-0.19
1/22/08	4:00	7.461	7.406	4.91	3.873	2.279	1.308	-0.164
1/22/08	8:00	7.471	7.415	4.912	3.877	2.287	1.311	-0.164
1/22/08	12:00	7.469	7.406	4.908	3.87	2.298	1.313	-0.169
1/22/08	16:00	7.424	7.355	4.875	3.819	2.289	1.285	-0.213
1/22/08	20:00	7.405	7.334	4.863	3.807	2.289	1.276	-0.225

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
1/23/08	0:00	7.384	7.313	4.852	3.788	2.294	1.262	-0.239
1/23/08	4:00	7.37	7.297	4.842	3.779	2.303	1.255	-0.25
1/23/08	8:00	7.361	7.29	4.845	3.777	2.314	1.257	-0.25
1/23/08	12:00	7.393	7.325	4.873	3.816	2.324	1.283	-0.218
1/23/08	16:00	7.422	7.357	4.891	3.84	2.321	1.297	-0.197
1/23/08	20:00	7.487	7.429	4.934	3.896	2.324	1.336	-0.145
1/24/08	0:00	7.506	7.452	4.941	3.91	2.333	1.35	-0.131
1/24/08	4:00	7.513	7.459	4.948	3.915	2.349	1.353	-0.127
1/24/08	8:00	7.525	7.469	4.957	3.924	2.368	1.357	-0.117
1/24/08	12:00	7.539	7.485	4.971	3.938	2.392	1.381	-0.108
1/24/08	16:00	7.52	7.457	4.948	3.908	2.364	1.357	-0.136
1/24/08	20:00	7.508	7.448	4.945	3.903	2.357	1.353	-0.138
1/25/08	0:00	7.506	7.443	4.941	3.898	2.354	1.35	-0.143
1/25/08	4:00	7.48	7.408	4.92	3.868	2.343	1.329	-0.171
1/25/08	8:00	7.447	7.374	4.898	3.84	2.34	1.308	-0.194
1/25/08	12:00	7.433	7.355	4.887	3.823	2.328	1.297	-0.211
1/25/08	16:00	7.4	7.318	4.863	3.791	2.305	1.271	-0.239
1/25/08	20:00	7.4	7.32	4.87	3.802	2.303	1.264	-0.227
1/26/08	0:00	7.393	7.316	4.863	3.793	2.298	1.269	-0.234
1/26/08	4:00	7.389	7.311	4.863	3.793	2.3	1.264	-0.239
1/26/08	8:00	7.398	7.318	4.868	3.8	2.308	1.271	-0.229
1/26/08	12:00	7.431	7.357	4.896	3.835	2.322	1.292	-0.199
1/26/08	16:00	7.433	7.362	4.894	3.83	2.305	1.266	-0.206
1/26/08	20:00	7.459	7.388	4.908	3.854	2.31	1.28	-0.185
1/27/08	0:00	7.459	7.388	4.903	3.849	2.307	1.285	-0.19
1/27/08	4:00	7.457	7.383	4.901	3.845	2.31	1.292	-0.194
1/27/08	8:00	7.461	7.388	4.901	3.847	2.31	1.299	-0.192
1/27/08	12:00	7.452	7.378	4.898	3.838	2.307	1.292	-0.199
1/27/08	16:00	7.4	7.316	4.842	3.77	2.256	1.276	-0.243
1/27/08	20:00	7.363	7.276	4.807	3.716	2.249	1.241	-0.248
1/28/08	0:00	7.332	7.244	4.788	3.69	2.254	1.215	-0.253
1/28/08	4:00	7.295	7.202	4.763	3.655	2.24	1.187	-0.264
1/28/08	8:00	7.255	7.158	4.73	3.617	2.226	1.161	-0.267
1/28/08	12:00	7.206	7.109	4.692	3.568	2.191	1.138	-0.262
1/28/08	16:00	6.924	6.958	4.477	3.392	2.177	1.089	-0.274
1/28/08	20:00	6.45	6.728	4.371	3.301	2.221	1.035	-0.281
1/29/08	0:00	6.278	6.61	4.397	3.32	2.258	0.995	-0.27
1/29/08	4:00	6.331	6.629	4.449	3.374	2.282	0.993	-0.267
1/29/08	8:00	6.521	6.759	4.54	3.481	2.308	1.04	-0.256
1/29/08	12:00	6.72	6.879	4.592	3.542	2.28	1.084	-0.351
1/29/08	16:00	6.909	6.96	4.636	3.587	2.27	1.117	-0.353
1/29/08	20:00	7.062	7.044	4.685	3.643	2.277	1.156	-0.316
1/30/08	0:00	7.135	7.095	4.718	3.674	2.275	1.18	-0.297
1/30/08	4:00	7.175	7.125	4.739	3.69	2.296	1.203	-0.285

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
1/30/08	8:00	7.203	7.148	4.76	3.704	2.324	1.227	-0.276
1/30/08	12:00	7.233	7.174	4.779	3.73	2.333	1.248	-0.262
1/30/08	16:00	7.217	7.148	4.765	3.702	2.273	1.21	-0.285
1/30/08	20:00	7.25	7.188	4.795	3.742	2.273	1.229	-0.255
1/31/08	0:00	7.283	7.225	4.821	3.772	2.314	1.255	-0.234
1/31/08	4:00	7.306	7.246	4.833	3.788	2.329	1.269	-0.222
1/31/08	8:00	7.332	7.276	4.854	3.809	2.34	1.287	-0.206
1/31/08	12:00	7.353	7.292	4.866	3.821	2.357	1.315	-0.199
1/31/08	16:00	7.337	7.271	4.845	3.791	2.268	1.264	-0.225
1/31/08	20:00	7.346	7.278	4.852	3.807	2.235	1.264	-0.213
2/1/08	0:00	7.339	7.269	4.847	3.791	2.252	1.264	-0.222
2/1/08	4:00	7.332	7.26	4.854	3.786	2.296	1.271	-0.225
2/1/08	8:00	7.32	7.246	4.847	3.777	2.322	1.266	-0.232
2/1/08	12:00	7.32	7.248	4.849	3.777	2.362	1.283	-0.232
2/1/08	16:00	7.287	7.204	4.816	3.737	2.226	1.224	-0.269
2/1/08	20:00	7.297	7.216	4.826	3.749	2.212	1.217	-0.257
2/2/08	0:00	7.299	7.218	4.823	3.749	2.179	1.217	-0.26
2/2/08	4:00	7.313	7.232	4.831	3.756	2.172	1.226	-0.253
2/2/08	8:00	7.337	7.26	4.852	3.786	2.186	1.231	-0.227
2/2/08	12:00	7.37	7.302	4.877	3.819	2.209	1.259	-0.201
2/2/08	16:00	7.386	7.318	4.882	3.828	2.221	1.198	-0.189
2/2/08	20:00	7.398	7.332	4.891	3.84	2.235	1.25	-0.183
2/3/08	0:00	7.409	7.343	4.889	3.84	2.214	1.285	-0.18
2/3/08	4:00	7.405	7.336	4.887	3.831	2.186	1.278	-0.19
2/3/08	8:00	7.393	7.323	4.88	3.819	2.184	1.264	-0.201
2/3/08	12:00	7.386	7.309	4.873	3.809	2.191	1.25	-0.21
2/3/08	16:00	7.341	7.255	4.835	3.763	2.165	1.21	-0.253
2/3/08	20:00	7.337	7.253	4.842	3.765	2.189	1.215	-0.255
2/4/08	0:00	7.327	7.239	4.828	3.753	2.177	1.21	-0.269
2/4/08	4:00	7.278	7.183	4.786	3.697	2.147	1.18	-0.32
2/4/08	8:00	7.264	7.174	4.786	3.697	2.161	1.173	-0.323
2/4/08	12:00	7.287	7.216	4.807	3.725	2.179	1.173	-0.297
2/4/08	16:00	7.301	7.225	4.816	3.739	2.193	1.182	-0.281
2/4/08	20:00	7.355	7.285	4.849	3.786	2.242	1.205	-0.262
2/5/08	0:00	7.4	7.332	4.875	3.824	2.259	1.238	-0.225
2/5/08	4:00	7.426	7.364	4.898	3.854	2.273	1.264	-0.196
2/5/08	8:00	7.43	7.367	4.894	3.849	2.254	1.283	-0.196
2/5/08	12:00	7.43	7.367	4.889	3.84	2.254	1.283	-0.203
2/5/08	16:00	7.409	7.343	4.875	3.817	2.243	1.257	-0.227
2/5/08	20:00	7.43	7.367	4.896	3.842	2.256	1.273	-0.206
2/6/08	0:00	7.426	7.357	4.884	3.833	2.24	1.266	-0.215
2/6/08	4:00	7.409	7.339	4.877	3.819	2.237	1.262	-0.227
2/6/08	8:00	7.407	7.336	4.875	3.817	2.238	1.264	-0.227
2/6/08	12:00	7.43	7.364	4.891	3.84	2.245	1.28	-0.206

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
2/6/08	16:00	7.416	7.346	4.88	3.824	2.238	1.271	-0.225
2/6/08	20:00	7.438	7.371	4.896	3.847	2.25	1.287	-0.201
2/7/08	0:00	7.447	7.381	4.903	3.856	2.245	1.294	-0.192
2/7/08	4:00	7.437	7.369	4.889	3.838	2.233	1.287	-0.208
2/7/08	8:00	7.433	7.367	4.889	3.84	2.235	1.283	-0.208
2/7/08	12:00	7.442	7.376	4.898	3.849	2.238	1.292	-0.201
2/7/08	16:00	7.412	7.341	4.873	3.814	2.228	1.264	-0.232
2/7/08	20:00	7.405	7.334	4.87	3.814	2.228	1.264	-0.231
2/8/08	0:00	7.386	7.311	4.854	3.791	2.217	1.257	-0.252
2/8/08	4:00	7.36	7.283	4.842	3.772	2.217	1.241	-0.266
2/8/08	8:00	7.362	7.288	4.849	3.781	2.224	1.243	-0.259
2/8/08	12:00	7.395	7.327	4.877	3.817	2.228	1.259	-0.229
2/8/08	16:00	7.405	7.334	4.88	3.819	2.219	1.273	-0.229
2/8/08	20:00	7.428	7.362	4.891	3.84	2.229	1.273	-0.215
2/9/08	0:00	7.435	7.369	4.891	3.84	2.226	1.278	-0.21
2/9/08	4:00	7.435	7.369	4.894	3.842	2.223	1.285	-0.21
2/9/08	8:00	7.449	7.39	4.91	3.863	2.233	1.297	-0.189
2/9/08	12:00	7.491	7.443	4.948	3.917	2.245	1.304	-0.143
2/9/08	16:00	7.536	7.497	4.973	3.955	2.25	1.334	-0.108
2/9/08	20:00	7.573	7.543	4.999	3.985	2.259	1.376	-0.08
2/10/08	0:00	7.604	7.578	5.018	4.013	2.259	1.404	-0.052
2/10/08	4:00	7.634	7.61	5.037	4.037	2.263	1.423	-0.031
2/10/08	8:00	7.665	7.643	5.06	4.06	2.264	1.442	-0.007
2/10/08	12:00	7.698	7.673	5.083	4.086	2.294	1.467	0.014
2/10/08	16:00	7.684	7.647	5.069	4.053	2.27	1.435	-0.016
2/10/08	20:00	7.67	7.624	5.06	4.039	2.268	1.432	-0.028
2/11/08	0:00	7.648	7.596	5.053	4.023	2.289	1.423	-0.044
2/11/08	4:00	7.623	7.569	5.039	3.999	2.32	1.411	-0.066
2/11/08	8:00	7.595	7.536	5.025	3.976	2.35	1.411	-0.087
2/11/08	12:00	7.583	7.517	5.011	3.959	2.364	1.402	-0.103
2/11/08	16:00	7.552	7.48	4.983	3.927	2.303	1.364	-0.133
2/11/08	20:00	7.564	7.499	4.999	3.955	2.273	1.369	-0.108
2/12/08	0:00	7.585	7.52	5.016	3.974	2.284	1.39	-0.091
2/12/08	4:00	7.592	7.524	5.02	3.978	2.296	1.395	-0.089
2/12/08	8:00	7.602	7.538	5.03	3.988	2.31	1.397	-0.082
2/12/08	12:00	7.62	7.557	5.046	4.006	2.359	1.435	-0.07
2/12/08	16:00	7.594	7.527	5.018	3.969	2.294	1.381	-0.098
2/12/08	20:00	7.604	7.534	5.03	3.983	2.276	1.383	-0.084
2/13/08	0:00	7.595	7.52	5.023	3.971	2.292	1.388	-0.098
2/13/08	4:00	7.585	7.508	5.016	3.962	2.317	1.397	-0.105
2/13/08	8:00	7.569	7.492	5.004	3.948	2.306	1.376	-0.117
2/13/08	12:00	7.566	7.485	4.999	3.941	2.348	1.388	-0.126
2/13/08	16:00	7.524	7.434	4.955	3.892	2.256	1.325	-0.173
2/13/08	20:00	7.496	7.397	4.927	3.849	2.21	1.346	-0.21

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
2/14/08	0:00	7.48	7.385	4.917	3.847	2.198	1.315	-0.213
2/14/08	4:00	7.491	7.406	4.936	3.873	2.214	1.306	-0.187
2/14/08	8:00	7.505	7.422	4.945	3.892	2.205	1.308	-0.178
2/14/08	12:00	7.562	7.487	4.99	3.95	2.233	1.329	-0.124
2/14/08	16:00	7.627	7.564	5.037	4.004	2.249	1.376	-0.075
2/14/08	20:00	7.681	7.622	5.079	4.051	2.259	1.421	-0.03
2/15/08	0:00	7.723	7.666	5.107	4.086	2.264	1.439	0
2/15/08	4:00	7.74	7.685	5.121	4.1	2.305	1.456	0.014
2/15/08	8:00	7.759	7.703	5.142	4.116	2.378	1.486	0.03
2/15/08	12:00	7.782	7.722	5.158	4.128	2.469	1.547	0.042
2/15/08	16:00	7.756	7.689	5.135	4.093	2.378	1.484	0.007
2/15/08	20:00	7.738	7.668	5.123	4.077	2.317	1.453	-0.005
2/16/08	0:00	7.726	7.652	5.109	4.06	2.296	1.451	-0.019
2/16/08	4:00	7.702	7.622	5.09	4.037	2.31	1.442	-0.038
2/16/08	8:00	7.674	7.594	5.081	4.018	2.343	1.428	-0.054
2/16/08	12:00	7.644	7.555	5.051	3.974	2.374	1.437	-0.096
2/16/08	16:00	7.594	7.499	5.006	3.922	2.28	1.357	-0.143
2/16/08	20:00	7.557	7.462	4.971	3.887	2.233	1.348	-0.18
2/17/08	0:00	7.526	7.429	4.943	3.859	2.191	1.327	-0.199
2/17/08	4:00	7.489	7.385	4.915	3.824	2.163	1.301	-0.231
2/17/08	8:00	7.468	7.374	4.912	3.821	2.175	1.283	-0.236
2/17/08	12:00	7.505	7.425	4.95	3.877	2.215	1.287	-0.187
2/17/08	16:00	7.54	7.464	4.945	3.894	2.203	1.308	-0.182
2/17/08	20:00	7.576	7.504	4.969	3.924	2.219	1.32	-0.147
2/18/08	0:00	7.59	7.517	4.983	3.934	2.217	1.334	-0.138
2/18/08	4:00	7.618	7.548	5.011	3.967	2.224	1.357	-0.11
2/18/08	8:00	7.627	7.557	5.016	3.969	2.214	1.362	-0.11
2/18/08	12:00	7.655	7.587	5.041	3.999	2.24	1.404	-0.082
2/18/08	16:00	7.679	7.615	5.06	4.02	2.231	1.381	-0.059
2/18/08	20:00	7.698	7.638	5.083	4.044	2.235	1.411	-0.04
2/19/08	0:00	7.714	7.654	5.095	4.058	2.231	1.414	-0.028
2/19/08	4:00	7.724	7.659	5.107	4.063	2.259	1.416	-0.023
2/19/08	8:00	7.707	7.636	5.1	4.044	2.35	1.449	-0.04
2/19/08	12:00	7.684	7.61	5.088	4.02	2.415	1.465	-0.063
2/19/08	16:00	7.646	7.571	5.06	3.985	2.338	1.399	-0.091
2/19/08	20:00	7.667	7.599	5.079	4.016	2.322	1.414	-0.065
2/20/08	0:00	7.735	7.68	5.13	4.088	2.305	1.458	-0.002
2/20/08	4:00	7.77	7.719	5.156	4.121	2.278	1.453	0.026
2/20/08	8:00	7.801	7.75	5.184	4.154	2.378	1.479	0.061
2/20/08	12:00	7.829	7.782	5.21	4.175	2.584	1.657	0.084
2/20/08	16:00	7.817	7.761	5.203	4.149	2.463	1.537	0.063
2/20/08	20:00	7.817	7.759	5.208	4.156	2.406	1.505	0.07
2/21/08	0:00	7.803	7.74	5.201	4.142	2.432	1.54	0.058
2/21/08	4:00	7.784	7.722	5.186	4.121	2.481	1.572	0.04

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
2/21/08	8:00	7.752	7.685	5.168	4.095	2.49	1.551	0.019
2/21/08	12:00	7.754	7.685	5.172	4.1	2.523	1.554	0.019
2/21/08	16:00	7.719	7.647	5.142	4.065	2.453	1.516	-0.012
2/21/08	20:00	7.712	7.64	5.14	4.067	2.381	1.46	-0.009
2/22/08	0:00	7.714	7.645	5.14	4.067	2.367	1.467	-0.005
2/22/08	4:00	7.707	7.636	5.135	4.063	2.361	1.46	-0.009
2/22/08	8:00	7.716	7.65	5.147	4.077	2.371	1.456	0.005
2/22/08	12:00	7.726	7.659	5.154	4.079	2.469	1.558	0.002
2/22/08	16:00	7.716	7.643	5.144	4.063	2.369	1.458	-0.009
2/22/08	20:00	7.714	7.643	5.137	4.06	2.32	1.451	-0.009
2/23/08	0:00	7.726	7.654	5.14	4.07	2.276	1.458	0.002
2/23/08	4:00	7.73	7.661	5.137	4.072	2.247	1.439	0.002
2/23/08	8:00	7.726	7.657	5.13	4.063	2.25	1.435	-0.007
2/23/08	12:00	7.74	7.675	5.149	4.079	2.325	1.488	0.007
2/23/08	16:00	7.74	7.671	5.14	4.067	2.289	1.444	-0.016
2/23/08	20:00	7.754	7.689	5.144	4.084	2.282	1.451	0.005
2/24/08	0:00	7.77	7.708	5.158	4.1	2.259	1.458	0.023
2/24/08	4:00	7.773	7.712	5.158	4.1	2.238	1.449	0.028
2/24/08	8:00	7.758	7.694	5.147	4.081	2.224	1.463	0.014
2/24/08	12:00	7.754	7.689	5.142	4.079	2.208	1.444	0.012
2/24/08	16:00	7.636	7.636	5.102	4.039	2.187	1.432	-0.04
2/24/08	20:00	7.536	7.592	5.06	4.004	2.182	1.421	-0.061
2/25/08	0:00	7.491	7.559	5.046	3.99	2.168	1.404	-0.065
2/25/08	4:00	7.442	7.513	5.018	3.95	2.142	1.383	-0.096
2/25/08	8:00	7.411	7.494	5.004	3.938	2.147	1.364	-0.103
2/25/08	12:00	7.397	7.478	5.001	3.939	2.159	1.353	-0.103
2/25/08	16:00	7.416	7.49	5.008	3.964	2.187	1.353	-0.096
2/25/08	20:00	7.467	7.492	5.06	4.035	2.226	1.371	-0.026
2/26/08	0:00	7.531	7.439	5.102	4.089	2.252	1.421	0.023
2/26/08	4:00	7.578	7.364	5.133	4.117	2.256	1.456	0.051
2/26/08	8:00	7.641	7.334	5.161	4.145	2.27	1.488	0.079
2/26/08	12:00	7.723	7.766	5.189	4.17	2.277	1.514	0.103
2/26/08	16:00	7.732	7.761	5.186	4.156	2.261	1.509	0.089
2/26/08	20:00	7.721	7.736	5.17	4.131	2.254	1.5	0.065
2/27/08	0:00	7.744	7.731	5.163	4.119	2.256	1.5	0.056
2/27/08	4:00	7.756	7.729	5.161	4.117	2.252	1.484	0.051
2/27/08	8:00	7.77	7.733	5.168	4.124	2.254	1.486	0.056
2/27/08	12:00	7.782	7.747	5.179	4.133	2.263	1.484	0.061
2/27/08	16:00	7.695	7.705	5.149	4.095	2.247	1.453	0.016
2/27/08	20:00	7.608	7.678	5.13	4.088	2.254	1.458	0.016
2/28/08	0:00	7.573	7.659	5.128	4.081	2.256	1.463	0.019
2/28/08	4:00	7.54	7.636	5.111	4.065	2.25	1.46	0.005
2/28/08	8:00	7.516	7.601	5.09	4.042	2.24	1.449	-0.016
2/28/08	12:00	7.514	7.594	5.088	4.042	2.245	1.439	-0.014

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
2/28/08	16:00	7.479	7.566	5.062	4.011	2.226	1.425	-0.044
2/28/08	20:00	7.416	7.562	5.058	4.011	2.242	1.421	-0.047
2/29/08	0:00	7.399	7.571	5.065	4.025	2.252	1.423	-0.028
2/29/08	4:00	7.411	7.601	5.093	4.063	2.275	1.437	0.007
2/29/08	8:00	7.469	7.666	5.14	4.119	2.305	1.46	0.058
2/29/08	12:00	7.486	7.703	5.165	4.147	2.306	1.488	0.08
2/29/08	16:00	7.356	7.668	5.102	4.105	2.287	1.498	0.03
2/29/08	20:00	7.031	7.585	5.048	4.058	2.273	1.488	-0.002
3/1/08	0:00	6.818	7.52	5.039	4.046	2.282	1.472	0.005
3/1/08	4:00	6.779	7.473	5.018	4.018	2.275	1.456	-0.019
3/1/08	8:00	6.851	7.45	4.985	3.978	2.259	1.437	-0.054
3/1/08	12:00	7.349	7.485	4.983	3.96	2.261	1.418	-0.077
3/1/08	16:00	6.972	7.411	4.896	3.892	2.254	1.399	-0.145
3/1/08	20:00	6.76	7.313	4.828	3.831	2.259	1.367	-0.189
3/2/08	0:00	7.26	7.336	4.83	3.821	2.268	1.339	-0.191
3/2/08	4:00	7.31	7.325	4.826	3.8	2.261	1.318	-0.213
3/2/08	8:00	7.32	7.309	4.828	3.789	2.278	1.299	-0.227
3/2/08	12:00	7.365	7.355	4.866	3.835	2.317	1.304	-0.191
3/2/08	16:00	7.419	7.413	4.898	3.878	2.343	1.32	-0.154
3/2/08	20:00	7.372	7.432	4.842	3.866	2.329	1.336	-0.198
3/3/08	0:00	7.329	7.457	4.882	3.901	2.35	1.346	-0.131
3/3/08	4:00	7.442	7.487	4.919	3.936	2.364	1.364	-0.096
3/3/08	8:00	7.536	7.543	4.983	3.988	2.383	1.4	-0.049
3/3/08	12:00	7.604	7.601	5.032	4.042	2.387	1.432	0
3/3/08	16:00	7.613	7.596	5.025	4.028	2.371	1.442	-0.019
3/3/08	20:00	7.614	7.594	5.029	4.025	2.392	1.442	-0.016
3/4/08	0:00	7.618	7.587	5.034	4.021	2.385	1.453	-0.021
3/4/08	4:00	7.614	7.576	5.039	4.014	2.376	1.442	-0.03
3/4/08	8:00	7.614	7.566	5.041	4.011	2.362	1.432	-0.033
3/4/08	12:00	7.607	7.559	5.037	4.002	2.343	1.428	-0.044
3/4/08	16:00	7.576	7.522	5.006	3.967	2.329	1.432	-0.077
3/4/08	20:00	7.572	7.515	5.008	3.971	2.359	1.437	-0.072
3/5/08	0:00	7.579	7.522	5.018	3.978	2.369	1.425	-0.065
3/5/08	4:00	7.572	7.513	5.011	3.964	2.364	1.414	-0.079
3/5/08	8:00	7.614	7.569	5.053	4.023	2.397	1.444	-0.028
3/5/08	12:00	7.677	7.636	5.097	4.081	2.411	1.481	0.026
3/5/08	16:00	7.703	7.664	5.107	4.098	2.406	1.495	0.035
3/5/08	20:00	7.729	7.692	5.128	4.119	2.427	1.519	0.056
3/6/08	0:00	7.757	7.717	5.147	4.138	2.416	1.54	0.075
3/6/08	4:00	7.762	7.717	5.147	4.131	2.397	1.528	0.068
3/6/08	8:00	7.773	7.729	5.165	4.145	2.395	1.528	0.077
3/6/08	12:00	7.792	7.747	5.175	4.161	2.388	1.53	0.089
3/6/08	16:00	7.769	7.715	5.144	4.121	2.367	1.5	0.051
3/6/08	20:00	7.759	7.712	5.144	4.121	2.388	1.512	0.054

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
3/7/08	0:00	7.79	7.745	5.175	4.152	2.411	1.53	0.082
3/7/08	4:00	7.818	7.777	5.193	4.182	2.418	1.554	0.11
3/7/08	8:00	7.842	7.808	5.214	4.208	2.43	1.568	0.133
3/7/08	12:00	7.862	7.828	5.224	4.22	2.416	1.587	0.14
3/7/08	16:00	7.851	7.81	5.2	4.189	2.378	1.568	0.115
3/7/08	20:00	7.832	7.784	5.191	4.173	2.386	1.554	0.098
3/8/08	0:00	7.823	7.773	5.193	4.168	2.39	1.554	0.094
3/8/08	4:00	7.794	7.736	5.172	4.135	2.376	1.528	0.066
3/8/08	8:00	7.771	7.705	5.158	4.119	2.376	1.514	0.049
3/8/08	12:00	7.748	7.678	5.14	4.089	2.36	1.479	0.021
3/8/08	16:00	7.729	7.659	5.125	4.077	2.353	1.481	0.012
3/8/08	20:00	7.738	7.678	5.137	4.098	2.362	1.493	0.028
3/9/08	0:00	7.769	7.712	5.163	4.131	2.369	1.519	0.056
3/9/08	4:00	7.795	7.738	5.179	4.147	2.364	1.54	0.073
3/9/08	8:00	7.827	7.78	5.21	4.182	2.378	1.563	0.105
3/9/08	12:00	7.865	7.815	5.228	4.213	2.388	1.563	0.129
3/9/08	16:00	7.872	7.831	5.229	4.215	2.378	1.565	0.129
3/9/08	20:00	7.886	7.842	5.24	4.227	2.4	1.582	0.145
3/10/08	0:00	7.907	7.87	5.259	4.253	2.42	1.603	0.166
3/10/08	4:00	7.921	7.882	5.268	4.26	2.413	1.626	0.171
3/10/08	8:00	7.938	7.9	5.285	4.278	2.416	1.631	0.187
3/10/08	12:00	7.954	7.919	5.294	4.288	2.404	1.619	0.194
3/10/08	16:00	7.924	7.877	5.257	4.239	2.383	1.608	0.15
3/10/08	20:00	7.895	7.849	5.238	4.217	2.404	1.598	0.131
3/11/08	0:00	7.891	7.84	5.243	4.215	2.418	1.591	0.131
3/11/08	4:00	7.865	7.808	5.222	4.187	2.407	1.582	0.103
3/11/08	8:00	7.837	7.777	5.205	4.166	2.397	1.57	0.087
3/11/08	12:00	7.813	7.752	5.182	4.142	2.376	1.554	0.063
3/11/08	16:00	7.781	7.717	5.142	4.103	2.393	1.535	0.026
3/11/08	20:00	7.757	7.696	5.118	4.086	2.404	1.516	0.012
3/12/08	0:00	7.748	7.687	5.118	4.086	2.421	1.507	0.014
3/12/08	4:00	7.738	7.671	5.114	4.072	2.421	1.502	0.005
3/12/08	8:00	7.722	7.657	5.109	4.063	2.413	1.495	-0.004
3/12/08	12:00	7.708	7.64	5.095	4.049	2.397	1.486	-0.018
3/12/08	16:00	7.708	7.645	5.079	4.06	2.409	1.481	-0.016
3/12/08	20:00	7.724	7.668	5.076	4.068	2.427	1.481	-0.007
3/13/08	0:00	7.736	7.68	5.093	4.075	2.465	1.488	0.005
3/13/08	4:00	7.752	7.694	5.116	4.091	2.481	1.5	0.017
3/13/08	8:00	7.755	7.696	5.128	4.096	2.484	1.512	0.021
3/13/08	12:00	7.766	7.705	5.128	4.1	2.442	1.519	0.026
3/13/08	16:00	7.731	7.666	5.088	4.058	2.435	1.512	-0.016
3/13/08	20:00	7.715	7.654	5.072	4.047	2.458	1.498	-0.023
3/14/08	0:00	7.703	7.64	5.069	4.04	2.486	1.488	-0.03
3/14/08	4:00	7.703	7.638	5.079	4.044	2.514	1.488	-0.028

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
3/14/08	8:00	7.715	7.652	5.097	4.06	2.528	1.498	-0.004
3/14/08	12:00	7.733	7.673	5.109	4.077	2.495	1.507	0
3/14/08	16:00	7.724	7.664	5.093	4.061	2.479	1.509	-0.014
3/14/08	20:00	7.748	7.694	5.111	4.086	2.509	1.512	0.01
3/15/08	0:00	7.79	7.74	5.149	4.133	2.547	1.528	0.047
3/15/08	4:00	7.813	7.761	5.17	4.147	2.577	1.547	0.061
3/15/08	8:00	7.835	7.787	5.196	4.173	2.601	1.57	0.084
3/15/08	12:00	7.865	7.819	5.217	4.199	2.573	1.591	0.108
3/15/08	16:00	7.867	7.817	5.217	4.192	2.556	1.603	0.098
3/15/08	20:00	7.886	7.842	5.233	4.217	2.589	1.612	0.124
3/16/08	0:00	7.917	7.87	5.261	4.248	2.643	1.638	0.15
3/16/08	4:00	7.933	7.889	5.287	4.264	2.663	1.659	0.164
3/16/08	8:00	7.959	7.914	5.315	4.295	2.675	1.682	0.194
3/16/08	12:00	7.978	7.933	5.313	4.302	2.598	1.701	0.199
3/16/08	16:00	7.966	7.919	5.285	4.274	2.539	1.668	0.173
3/16/08	20:00	7.945	7.896	5.273	4.255	2.547	1.661	0.157
3/17/08	0:00	7.952	7.905	5.287	4.264	2.572	1.661	0.166
3/17/08	4:00	7.931	7.875	5.268	4.241	2.568	1.657	0.143
3/17/08	8:00	7.921	7.863	5.268	4.239	2.577	1.65	0.145
3/17/08	12:00	7.895	7.88	5.205	4.196	2.47	1.638	0.133
3/17/08	16:00	7.849	7.791	5.175	4.152	2.512	1.605	0.063
3/17/08	20:00	7.839	7.782	5.179	4.152	2.533	1.591	0.066
3/18/08	0:00	7.837	7.763	5.182	4.157	2.542	1.587	0.07
3/18/08	4:00	7.83	7.761	5.179	4.152	2.554	1.582	0.066
3/18/08	8:00	7.837	7.773	5.191	4.166	2.57	1.584	0.059
3/18/08	12:00	7.86	7.805	5.21	4.18	2.568	1.596	0.089
3/18/08	16:00	7.851	7.794	5.2	4.168	2.556	1.598	0.077
3/18/08	20:00	7.872	7.822	5.219	4.194	2.577	1.601	0.096
3/19/08	0:00	7.902	7.852	5.243	4.22	2.612	1.615	0.122
3/19/08	4:00	7.903	7.849	5.252	4.22	2.635	1.624	0.12
3/19/08	8:00	7.914	7.866	5.273	4.241	2.661	1.647	0.141
3/19/08	12:00	7.938	7.886	5.271	4.25	2.568	1.652	0.147
3/19/08	16:00	7.914	7.861	5.257	4.225	2.593	1.647	0.124
3/19/08	20:00	7.915	7.868	5.264	4.229	2.598	1.643	0.126
3/20/08	0:00	7.931	7.884	5.261	4.241	2.586	1.643	0.138
3/20/08	4:00	7.938	7.886	5.271	4.246	2.612	1.647	0.143
3/20/08	8:00	7.95	7.9	5.287	4.262	2.64	1.654	0.157
3/20/08	12:00	7.952	7.9	5.282	4.257	2.608	1.664	0.155
3/20/08	16:00	7.905	7.847	5.254	4.208	2.629	1.652	0.105
3/20/08	20:00	7.877	7.815	5.238	4.187	2.624	1.638	0.089
3/21/08	0:00	7.856	7.791	5.221	4.173	2.612	1.626	0.075
3/21/08	4:00	7.853	7.789	5.219	4.173	2.61	1.619	0.077
3/21/08	8:00	7.898	7.849	5.261	4.229	2.635	1.626	0.129
3/21/08	12:00	7.954	7.91	5.303	4.281	2.649	1.652	0.176

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
3/21/08	16:00	7.98	7.933	5.325	4.293	2.675	1.673	0.185
3/21/08	20:00	7.997	7.956	5.339	4.318	2.68	1.694	0.208
3/22/08	0:00	8.018	7.977	5.348	4.335	2.675	1.71	0.22
3/22/08	4:00	8.029	7.989	5.355	4.339	2.673	1.722	0.227
3/22/08	8:00	8.048	8.009	5.374	4.36	2.684	1.734	0.246
3/22/08	12:00	8.067	8.033	5.383	4.377	2.654	1.748	0.26
3/22/08	16:00	8.074	8.033	5.388	4.37	2.673	1.75	0.255
3/22/08	20:00	8.088	8.054	5.404	4.391	2.694	1.76	0.274
3/23/08	0:00	8.107	8.072	5.416	4.41	2.694	1.774	0.29
3/23/08	4:00	8.112	8.074	5.421	4.405	2.699	1.781	0.288
3/23/08	8:00	8.116	8.079	5.432	4.414	2.724	1.788	0.295
3/23/08	12:00	8.126	8.091	5.43	4.419	2.652	1.795	0.295
3/23/08	16:00	8.111	8.07	5.425	4.4	2.708	1.785	0.278
3/23/08	20:00	8.109	8.063	5.428	4.4	2.708	1.788	0.278
3/24/08	0:00	8.104	8.056	5.428	4.398	2.717	1.788	0.276
3/24/08	4:00	8.097	8.047	5.43	4.389	2.731	1.785	0.271
3/24/08	8:00	8.074	8.016	5.416	4.368	2.733	1.778	0.255
3/24/08	12:00	8.034	7.968	5.36	4.316	2.589	1.764	0.206
3/24/08	16:00	7.969	7.898	5.308	4.248	2.635	1.722	0.143
3/24/08	20:00	7.926	7.856	5.294	4.227	2.661	1.689	0.124
3/25/08	0:00	7.9	7.826	5.271	4.204	2.626	1.671	0.103
3/25/08	4:00	7.886	7.822	5.271	4.208	2.624	1.654	0.108
3/25/08	8:00	7.945	7.893	5.315	4.281	2.645	1.664	0.173
3/25/08	12:00	7.98	7.931	5.341	4.307	2.663	1.68	0.194
3/25/08	16:00	7.999	7.945	5.36	4.316	2.712	1.696	0.201
3/25/08	20:00	8.02	7.97	5.378	4.339	2.701	1.717	0.22
3/26/08	0:00	8.041	7.991	5.385	4.353	2.668	1.731	0.234
3/26/08	4:00	8.051	8.003	5.39	4.353	2.649	1.738	0.234
3/26/08	8:00	8.051	8	5.385	4.351	2.64	1.738	0.232
3/26/08	12:00	8.055	8.003	5.392	4.356	2.666	1.738	0.236
3/26/08	16:00	8.015	7.956	5.369	4.316	2.696	1.731	0.199
3/26/08	20:00	7.989	7.926	5.35	4.297	2.673	1.722	0.18
3/27/08	0:00	7.971	7.907	5.329	4.276	2.635	1.71	0.164
3/27/08	4:00	7.952	7.884	5.31	4.255	2.619	1.694	0.147
3/27/08	8:00	7.957	7.898	5.325	4.274	2.626	1.685	0.164
3/27/08	12:00	7.971	7.917	5.334	4.293	2.623	1.685	0.175
3/27/08	16:00	7.992	7.935	5.343	4.307	2.591	1.692	0.192
3/27/08	20:00	8.022	7.972	5.371	4.342	2.607	1.699	0.22
3/28/08	0:00	8.06	8.014	5.395	4.372	2.614	1.717	0.246
3/28/08	4:00	8.086	8.042	5.416	4.391	2.621	1.736	0.264
3/28/08	8:00	8.114	8.074	5.439	4.426	2.642	1.753	0.295
3/28/08	12:00	8.133	8.095	5.446	4.433	2.623	1.767	0.302
3/28/08	16:00	8.123	8.074	5.442	4.41	2.656	1.769	0.281
3/28/08	20:00	8.121	8.072	5.444	4.412	2.651	1.774	0.283

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
3/29/08	0:00	8.135	8.091	5.451	4.426	2.635	1.781	0.295
3/29/08	4:00	8.126	8.077	5.442	4.412	2.623	1.781	0.281
3/29/08	8:00	8.121	8.072	5.442	4.412	2.623	1.776	0.281
3/29/08	12:00	8.102	8.047	5.425	4.386	2.626	1.767	0.26
3/29/08	16:00	8.055	7.993	5.402	4.349	2.668	1.75	0.222
3/29/08	20:00	8.039	7.979	5.395	4.344	2.656	1.741	0.22
3/30/08	0:00	8.051	7.996	5.397	4.356	2.625	1.741	0.232
3/30/08	4:00	8.058	8.003	5.397	4.361	2.605	1.739	0.234
3/30/08	8:00	8.084	8.035	5.416	4.389	2.604	1.746	0.26
3/30/08	12:00	8.097	8.049	5.428	4.4	2.618	1.75	0.267
3/30/08	16:00	8.086	8.033	5.421	4.386	2.64	1.75	0.25
3/30/08	20:00	8.083	8.03	5.421	4.382	2.625	1.753	0.248
3/31/08	0:00	8.077	8.019	5.409	4.37	2.602	1.75	0.239
3/31/08	4:00	8.013	7.938	5.348	4.288	2.553	1.727	0.164
3/31/08	8:00	7.929	7.956	4.933	4.065	2.415	1.661	0.024
3/31/08	12:00	7.821	7.828	4.896	4.007	2.448	1.566	-0.072
3/31/08	16:00	7.8	7.782	4.997	4.044	2.483	1.521	-0.046
3/31/08	20:00	7.844	7.828	5.081	4.119	2.504	1.526	0.019
4/1/08	0:00	7.905	7.891	5.151	4.19	2.52	1.554	0.08
4/1/08	4:00	7.95	7.938	5.203	4.236	2.537	1.587	0.122
4/1/08	8:00	7.999	7.991	5.264	4.297	2.558	1.619	0.176
4/1/08	12:00	8.041	8.035	5.301	4.335	2.576	1.657	0.213
4/1/08	16:00	8.065	8.051	5.324	4.347	2.59	1.682	0.222
4/1/08	20:00	8.076	8.058	5.339	4.361	2.59	1.701	0.232
4/2/08	0:00	8.09	8.072	5.36	4.379	2.593	1.715	0.25
4/2/08	4:00	8.088	8.061	5.362	4.365	2.586	1.722	0.239
4/2/08	8:00	8.083	8.056	5.367	4.368	2.586	1.724	0.241
4/2/08	12:00	8.079	8.044	5.367	4.361	2.588	1.724	0.234
4/2/08	16:00	8.041	7.998	5.341	4.321	2.597	1.717	0.201
4/2/08	20:00	8.011	7.968	5.331	4.307	2.6	1.703	0.187
4/3/08	0:00	8.008	7.965	5.329	4.307	2.579	1.701	0.187
4/3/08	4:00	7.987	7.94	5.313	4.286	2.562	1.689	0.164
4/3/08	8:00	7.975	7.91	5.308	4.262	2.548	1.678	0.155
4/3/08	12:00	7.966	7.947	5.278	4.302	2.485	1.664	0.15
4/3/08	16:00	7.886	7.854	5.011	4.091	2.443	1.61	-0.004
4/3/08	20:00	7.87	7.854	5.079	4.133	2.488	1.575	0.035
4/4/08	0:00	7.884	7.866	5.123	4.159	2.497	1.573	0.059
4/4/08	4:00	7.877	7.852	5.142	4.161	2.504	1.57	0.061
4/4/08	8:00	7.886	7.863	5.172	4.206	2.518	1.58	0.082
4/4/08	12:00	7.893	7.866	5.186	4.192	2.527	1.587	0.087
4/4/08	16:00	7.87	7.835	5.179	4.171	2.546	1.584	0.066
4/4/08	20:00	7.856	7.822	5.184	4.169	2.551	1.584	0.066
4/5/08	0:00	7.858	7.817	5.189	4.173	2.536	1.584	0.071
4/5/08	4:00	7.849	7.81	5.186	4.168	2.529	1.584	0.068

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
4/5/08	8:00	7.854	7.812	5.196	4.18	2.527	1.582	0.078
4/5/08	12:00	7.851	7.808	5.198	4.176	2.56	1.582	0.073
4/5/08	16:00	7.832	7.775	5.193	4.15	2.609	1.58	0.049
4/5/08	20:00	7.814	7.766	5.196	4.152	2.592	1.58	0.052
4/6/08	0:00	7.814	7.759	5.189	4.15	2.553	1.58	0.054
4/6/08	4:00	7.8	7.747	5.175	4.133	2.527	1.573	0.038
4/6/08	8:00	7.804	7.754	5.186	4.15	2.527	1.568	0.049
4/6/08	12:00	7.83	7.787	5.214	4.182	2.55	1.573	0.08
4/6/08	16:00	7.851	7.798	5.231	4.197	2.592	1.582	0.091
4/6/08	20:00	7.893	7.852	5.271	4.251	2.634	1.605	0.136
4/7/08	0:00	7.938	7.905	5.296	4.286	2.599	1.636	0.169
4/7/08	4:00	7.957	7.914	5.303	4.288	2.574	1.654	0.169
4/7/08	8:00	7.973	7.935	5.32	4.304	2.574	1.664	0.185
4/7/08	12:00	8.001	7.963	5.339	4.328	2.578	1.678	0.206
4/7/08	16:00	7.98	7.931	5.32	4.295	2.569	1.678	0.173
4/7/08	20:00	8.004	7.926	5.348	4.295	2.574	1.682	0.187
4/8/08	0:00	7.973	7.942	5.205	4.279	2.447	1.668	0.122
4/8/08	4:00	7.948	7.912	5.219	4.237	2.48	1.638	0.124
4/8/08	8:00	7.936	7.891	5.226	4.227	2.49	1.622	0.115
4/8/08	12:00	7.957	7.912	5.257	4.265	2.499	1.626	0.141
4/8/08	16:00	7.95	7.91	5.252	4.248	2.504	1.629	0.131
4/8/08	20:00	7.957	7.917	5.266	4.265	2.522	1.631	0.143
4/9/08	0:00	7.992	7.954	5.299	4.302	2.534	1.645	0.176
4/9/08	4:00	8.004	7.961	5.308	4.307	2.537	1.657	0.18
4/9/08	8:00	8.013	7.975	5.324	4.321	2.548	1.666	0.204
4/9/08	12:00	8.028	7.989	5.336	4.33	2.553	1.678	0.201
4/9/08	16:00	8.009	7.963	5.329	4.311	2.578	1.678	0.187
4/9/08	20:00	7.966	7.917	5.299	4.272	2.562	1.668	0.15
4/10/08	0:00	7.955	7.886	5.289	4.248	2.517	1.664	0.136
4/10/08	4:00	7.879	7.905	5.097	4.234	2.401	1.624	0.078
4/10/08	8:00	7.783	7.824	4.98	4.136	2.396	1.556	-0.004
4/10/08	12:00	7.65	7.715	4.704	3.92	2.35	1.484	-0.203
4/10/08	16:00	6.697	7.065	4.069	3.123	2.312	1.329	-0.355
4/10/08	20:00	6.129	6.64	4.271	3.152	2.357	1.098	-0.351
4/11/08	0:00	6.457	6.622	4.369	3.285	2.359	1.019	-0.351
4/11/08	4:00	6.742	6.698	4.46	3.302	2.373	1.019	-0.358
4/11/08	8:00	6.835	6.872	4.467	3.447	2.368	1.04	-0.346
4/11/08	12:00	6.927	6.947	4.559	3.529	2.401	1.068	-0.341
4/11/08	16:00	7.016	6.981	4.634	3.587	2.415	1.112	-0.339
4/11/08	20:00	7.096	7.086	4.685	3.662	2.42	1.154	-0.343
4/12/08	0:00	7.148	7.125	4.72	3.693	2.424	1.192	-0.329
4/12/08	4:00	7.18	7.153	4.748	3.712	2.433	1.215	-0.289
4/12/08	8:00	7.223	7.19	4.781	3.749	2.44	1.238	-0.261
4/12/08	12:00	7.267	7.232	4.816	3.789	2.455	1.262	-0.233

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
4/12/08	16:00	7.3	7.258	4.837	3.808	2.457	1.285	-0.212
4/12/08	20:00	7.335	7.292	4.861	3.834	2.459	1.308	-0.186
4/13/08	0:00	7.37	7.323	4.884	3.864	2.462	1.325	-0.163
4/13/08	4:00	7.394	7.341	4.896	3.873	2.462	1.343	-0.151
4/13/08	8:00	7.429	7.378	4.924	3.909	2.476	1.36	-0.119
4/13/08	12:00	7.464	7.415	4.947	3.934	2.492	1.381	-0.095
4/13/08	16:00	7.476	7.418	4.954	3.932	2.506	1.395	-0.098
4/13/08	20:00	7.478	7.42	4.961	3.937	2.494	1.402	-0.098
4/14/08	0:00	7.497	7.439	4.971	3.951	2.48	1.411	-0.084
4/14/08	4:00	7.509	7.446	4.978	3.955	2.48	1.418	-0.079
4/14/08	8:00	7.528	7.466	4.999	3.979	2.494	1.428	-0.058
4/14/08	12:00	7.535	7.469	4.992	3.972	2.483	1.432	-0.067
4/14/08	16:00	7.514	7.439	4.983	3.946	2.506	1.428	-0.088
4/14/08	20:00	7.488	7.408	4.968	3.925	2.499	1.421	-0.109
4/15/08	0:00	7.493	7.415	4.971	3.932	2.478	1.416	-0.102
4/15/08	4:00	7.471	7.39	4.954	3.909	2.459	1.407	-0.126
4/15/08	8:00	7.457	7.374	4.945	3.897	2.454	1.393	-0.137
4/15/08	12:00	7.431	7.341	4.936	3.871	2.489	1.379	-0.161
4/15/08	16:00	7.387	7.288	4.915	3.831	2.548	1.365	-0.198
4/15/08	20:00	7.371	7.269	4.915	3.831	2.564	1.355	-0.196
4/16/08	0:00	7.368	7.265	4.898	3.822	2.492	1.353	-0.21
4/16/08	4:00	7.354	7.244	4.882	3.801	2.464	1.336	-0.224
4/16/08	8:00	7.378	7.281	4.912	3.845	2.468	1.332	-0.189
4/16/08	12:00	7.425	7.334	4.95	3.887	2.489	1.346	-0.151
4/16/08	16:00	7.455	7.369	4.973	3.913	2.515	1.365	-0.128
4/16/08	20:00	7.49	7.408	4.997	3.946	2.522	1.388	-0.105
4/17/08	0:00	7.528	7.448	5.011	3.974	2.491	1.409	-0.079
4/17/08	4:00	7.518	7.439	4.999	3.951	2.463	1.418	-0.1
4/17/08	8:00	6.981	7.29	4.378	3.611	2.337	1.36	-0.341
4/17/08	12:00	6.762	7.012	4.516	3.527	2.382	1.236	-0.343
4/17/08	16:00	6.953	7.042	4.507	3.562	2.354	1.173	-0.343
4/17/08	20:00	6.965	6.993	4.523	3.513	2.363	1.131	-0.346
4/18/08	0:00	6.88	6.926	4.413	3.442	2.349	1.098	-0.348
4/18/08	4:00	6.81	6.817	4.449	3.36	2.356	1.054	-0.355
4/18/08	8:00	5.47	5.953	3.79	2.723	2.297	0.951	-0.367
4/18/08	12:00	5.069	5.406	3.854	2.589	2.316	0.745	-0.362
4/18/08	16:00	5.202	5.438	3.91	2.653	2.316	0.647	-0.358
4/18/08	20:00	5.346	5.51	4.011	2.767	2.328	0.621	-0.353
4/19/08	0:00	5.517	5.619	4.088	2.854	2.335	0.638	-0.353
4/19/08	4:00	5.728	5.724	4.151	2.92	2.342	0.666	-0.351
4/19/08	8:00	5.935	5.847	4.217	2.999	2.354	0.703	-0.348
4/19/08	12:00	6.068	5.937	4.261	3.049	2.359	0.743	-0.344
4/19/08	16:00	6.132	5.981	4.287	3.067	2.365	0.768	-0.348
4/19/08	20:00	6.184	6.023	4.313	3.091	2.363	0.789	-0.346

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
4/20/08	0:00	6.237	6.074	4.336	3.119	2.354	0.806	-0.346
4/20/08	4:00	6.275	6.106	4.35	3.138	2.351	0.822	-0.341
4/20/08	8:00	6.305	6.132	4.362	3.149	2.351	0.834	-0.341
4/20/08	12:00	6.313	6.132	4.362	3.138	2.356	0.836	-0.348
4/20/08	16:00	6.317	6.125	4.374	3.135	2.384	0.836	-0.346
4/20/08	20:00	6.329	6.137	4.385	3.147	2.384	0.836	-0.351
4/21/08	0:00	6.378	6.19	4.406	3.189	2.368	0.853	-0.362
4/21/08	4:00	6.399	6.216	4.413	3.194	2.358	0.864	-0.341
4/21/08	8:00	6.447	6.264	4.439	3.231	2.368	0.874	-0.358
4/21/08	12:00	6.507	6.336	4.474	3.283	2.377	0.897	-0.358
4/21/08	16:00	6.543	6.371	4.491	3.299	2.382	0.92	-0.355
4/21/08	20:00	6.564	6.39	4.495	3.311	2.377	0.934	-0.339
4/22/08	0:00	6.608	6.438	4.519	3.344	2.377	0.955	-0.339
4/22/08	4:00	6.632	6.466	4.528	3.353	2.375	0.962	-0.355
4/22/08	8:00	6.672	6.508	4.549	3.388	2.377	0.979	-0.343
4/22/08	12:00	6.704	6.543	4.568	3.412	2.396	0.995	-0.346
4/22/08	16:00	6.716	6.552	4.577	3.412	2.421	1.005	-0.343
4/22/08	20:00	6.728	6.561	4.585	3.421	2.41	1.016	-0.348
4/23/08	0:00	6.754	6.594	4.592	3.435	2.384	1.026	-0.344
4/23/08	4:00	6.768	6.605	4.596	3.44	2.381	1.033	-0.344
4/23/08	8:00	6.784	6.624	4.601	3.454	2.379	1.035	-0.344
4/23/08	12:00	6.786	6.619	4.606	3.449	2.41	1.04	-0.343
4/23/08	16:00	6.759	6.582	4.599	3.417	2.444	1.035	-0.343
4/23/08	20:00	6.749	6.573	4.589	3.409	2.407	1.035	-0.351
4/24/08	0:00	6.763	6.591	4.596	3.421	2.384	1.03	-0.344
4/24/08	4:00	6.742	6.564	4.577	3.395	2.37	1.021	-0.346
4/24/08	8:00	6.742	6.564	4.58	3.398	2.367	1.012	-0.346
4/24/08	12:00	6.737	6.559	4.58	3.393	2.377	1.005	-0.348
4/24/08	16:00	6.728	6.55	4.58	3.384	2.384	1	-0.348
4/24/08	20:00	6.73	6.547	4.575	3.386	2.358	0.998	-0.343
4/25/08	0:00	6.728	6.517	4.575	3.379	2.356	0.993	-0.343
4/25/08	4:00	6.679	6.552	4.385	3.304	2.307	0.972	-0.348
4/25/08	8:00	6.728	6.538	4.51	3.348	2.36	0.958	-0.351
4/25/08	12:00	6.775	6.622	4.559	3.402	2.365	0.977	-0.346
4/25/08	16:00	6.798	6.65	4.587	3.433	2.377	0.993	-0.346
4/25/08	20:00	6.841	6.689	4.617	3.47	2.386	1.016	-0.343
4/26/08	0:00	6.864	6.719	4.634	3.489	2.379	1.037	-0.336
4/26/08	4:00	6.874	6.721	4.634	3.487	2.372	1.049	-0.35
4/26/08	8:00	6.904	6.756	4.657	3.524	2.386	1.063	-0.35
4/26/08	12:00	6.932	6.793	4.681	3.548	2.402	1.079	-0.341
4/26/08	16:00	6.949	6.807	4.69	3.559	2.412	1.093	-0.343
4/26/08	20:00	6.967	6.761	4.678	3.468	2.374	1.107	-0.339
4/27/08	0:00	6.972	6.777	4.648	3.543	2.365	1.105	-0.341
4/27/08	4:00	6.989	6.782	4.674	3.508	2.379	1.105	-0.339

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
4/27/08	8:00	7	6.847	4.69	3.58	2.383	1.112	-0.339
4/27/08	12:00	6.998	6.858	4.688	3.569	2.388	1.117	-0.334
4/27/08	16:00	6.963	6.817	4.678	3.543	2.411	1.112	-0.346
4/27/08	20:00	6.942	6.789	4.669	3.524	2.397	1.105	-0.341
4/28/08	0:00	6.937	6.786	4.666	3.524	2.376	1.098	-0.339
4/28/08	4:00	6.958	6.81	4.681	3.543	2.379	1.098	-0.346
4/28/08	8:00	6.989	6.849	4.699	3.576	2.383	1.105	-0.339
4/28/08	12:00	7.003	6.861	4.709	3.585	2.4	1.117	-0.334
4/28/08	16:00	7.005	6.861	4.716	3.585	2.421	1.124	-0.336
4/28/08	20:00	7.005	6.858	4.713	3.583	2.407	1.128	-0.339
4/29/08	0:00	6.998	6.851	4.702	3.571	2.381	1.128	-0.338
4/29/08	4:00	7	6.854	4.704	3.576	2.383	1.124	-0.341
4/29/08	8:00	7.01	6.863	4.711	3.583	2.381	1.124	-0.339
4/29/08	12:00	7	6.849	4.706	3.571	2.4	1.124	-0.345
4/29/08	16:00	6.961	6.8	4.692	3.538	2.423	1.114	-0.346
4/29/08	20:00	6.942	6.777	4.685	3.527	2.416	1.107	-0.348
4/30/08	0:00	6.93	6.77	4.671	3.515	2.379	1.098	-0.348
4/30/08	4:00	6.897	6.733	4.645	3.48	2.36	1.082	-0.355
4/30/08	8:00	6.878	6.71	4.641	3.468	2.365	1.063	-0.353
4/30/08	12:00	6.862	6.689	4.638	3.456	2.388	1.051	-0.35
4/30/08	16:00	6.843	6.659	4.638	3.442	2.411	1.042	-0.348
4/30/08	20:00	6.831	6.65	4.636	3.44	2.404	1.037	-0.35
5/1/08	0:00	6.832	6.654	4.627	3.44	2.367	1.035	-0.355
5/1/08	4:00	6.808	6.631	4.606	3.414	2.35	1.023	-0.351
5/1/08	8:00	6.808	6.631	4.608	3.416	2.35	1.012	-0.353
5/1/08	12:00	6.806	6.624	4.617	3.414	2.385	1.005	-0.351
5/1/08	16:00	6.832	6.65	4.655	3.449	2.456	1.012	-0.348
5/1/08	20:00	6.876	6.703	4.671	3.492	2.43	1.042	-0.35
5/2/08	0:00	6.918	6.752	4.678	3.52	2.378	1.063	-0.348
5/2/08	4:00	6.876	6.689	4.622	3.454	2.325	1.051	-0.355
5/2/08	8:00	6.86	6.689	4.62	3.447	2.346	1.028	-0.353
5/2/08	12:00	6.827	6.67	4.533	3.381	2.322	1	-0.346
5/2/08	16:00	6.85	6.696	4.592	3.424	2.355	0.993	-0.355
5/2/08	20:00	6.888	6.705	4.629	3.461	2.362	1.007	-0.355
5/3/08	0:00	6.944	6.721	4.629	3.412	2.336	1.028	-0.355
5/3/08	4:00	6.972	6.837	4.645	3.527	2.357	1.044	-0.353
5/3/08	8:00	7.029	6.898	4.697	3.588	2.378	1.07	-0.345
5/3/08	12:00	7.066	6.942	4.727	3.613	2.402	1.1	-0.341
5/3/08	16:00	7.076	6.942	4.737	3.616	2.413	1.119	-0.336
5/3/08	20:00	7.076	6.942	4.744	3.618	2.406	1.133	-0.336
5/4/08	0:00	7.085	6.949	4.741	3.623	2.381	1.14	-0.341
5/4/08	4:00	7.078	6.942	4.737	3.613	2.371	1.142	-0.339
5/4/08	8:00	7.085	6.951	4.746	3.625	2.376	1.142	-0.336
5/4/08	12:00	7.092	6.954	4.758	3.632	2.427	1.145	-0.336

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
5/4/08	16:00	7.078	6.928	4.763	3.62	2.465	1.152	-0.338
5/4/08	20:00	7.068	6.919	4.758	3.616	2.439	1.156	-0.348
5/5/08	0:00	7.09	6.951	4.763	3.634	2.395	1.159	-0.343
5/5/08	4:00	7.087	6.949	4.753	3.627	2.378	1.157	-0.345
5/5/08	8:00	7.097	6.96	4.76	3.637	2.376	1.152	-0.338
5/5/08	12:00	7.108	6.97	4.784	3.653	2.441	1.157	-0.327
5/5/08	16:00	7.104	6.954	4.793	3.646	2.483	1.164	-0.292
5/5/08	20:00	7.085	6.933	4.774	3.627	2.434	1.173	-0.32
5/6/08	0:00	7.08	6.935	4.756	3.62	2.385	1.166	-0.324
5/6/08	4:00	7.064	6.916	4.739	3.602	2.367	1.152	-0.327
5/6/08	8:00	7.052	6.905	4.732	3.592	2.359	1.138	-0.327
5/6/08	12:00	7.054	6.898	4.751	3.597	2.423	1.128	-0.324
5/6/08	16:00	7.038	6.87	4.76	3.585	2.483	1.128	-0.327
5/6/08	20:00	7.012	6.842	4.737	3.564	2.444	1.133	-0.329
5/7/08	0:00	7.01	6.8	4.655	3.468	2.331	1.119	-0.336
5/7/08	4:00	6.949	6.791	4.608	3.44	2.327	1.077	-0.339
5/7/08	8:00	6.98	6.837	4.659	3.52	2.35	1.065	-0.339
5/7/08	12:00	6.989	6.847	4.681	3.534	2.359	1.065	-0.339
5/7/08	16:00	7.008	6.861	4.695	3.548	2.373	1.075	-0.336
5/7/08	20:00	7.012	6.861	4.704	3.55	2.373	1.082	-0.336
5/8/08	0:00	7.022	6.875	4.706	3.559	2.357	1.089	-0.339
5/8/08	4:00	7.024	6.879	4.709	3.564	2.355	1.089	-0.336
5/8/08	8:00	7.024	6.877	4.706	3.562	2.35	1.091	-0.336
5/8/08	12:00	7.031	6.879	4.727	3.569	2.408	1.093	-0.334
5/8/08	16:00			4.734	3.562	2.441	1.1	-0.336
5/8/08	20:00	6.987	6.824	4.727	3.559	2.397	1.105	-0.336
5/9/08	0:00	6.991	6.775	4.72	3.503	2.357	1.105	-0.336
5/9/08	4:00	6.886	6.775	4.428	3.395	2.28	1.082	-0.343
5/9/08	8:00	6.759	6.696	4.446	3.342	2.315	1.009	-0.346
5/9/08	12:00	6.782	6.67	4.514	3.363	2.329	0.977	-0.344
5/9/08	16:00	6.792	6.668	4.559	3.391	2.355	0.972	-0.346
5/9/08	20:00	6.806	6.67	4.585	3.412	2.352	0.979	-0.344
5/10/08	0:00	6.806	6.666	4.587	3.417	2.331	0.986	-0.344
5/10/08	4:00	6.792	6.636	4.542	3.395	2.298	0.984	-0.346
5/10/08	8:00	6.768	6.652	4.531	3.37	2.317	0.967	-0.344
5/10/08	12:00	6.733	6.58	4.531	3.323	2.331	0.953	-0.348
5/10/08	16:00	6.644	6.524	4.273	3.238	2.27	0.925	-0.348
5/10/08	20:00	5.589	5.872	3.997	2.742	2.261	0.797	-0.346
5/11/08	0:00	5.542	5.749	4.062	2.81	2.273	0.689	-0.339
5/11/08	4:00	5.783	5.828	4.156	2.908	2.284	0.659	-0.341
5/11/08	8:00	6.044	5.953	4.24	3.004	2.298	0.677	-0.344
5/11/08	12:00	6.161	6.025	4.306	3.053	2.329	0.708	-0.353
5/11/08	16:00	6.222	6.06	4.341	3.079	2.34	0.736	-0.353
5/11/08	20:00	6.25	6.069	4.35	3.084	2.319	0.754	-0.351

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
5/12/08	0:00	6.276	6.088	4.355	3.093	2.296	0.764	-0.351
5/12/08	4:00	6.276	6.081	4.353	3.084	2.296	0.761	-0.351
5/12/08	8:00	6.281	6.076	4.355	3.084	2.294	0.761	-0.353
5/12/08	12:00	6.285	6.062	4.374	3.084	2.345	0.757	-0.348
5/12/08	16:00	6.278	6.039	4.376	3.199		0.759	-0.341
5/12/08	20:00	6.295	6.058	4.385	3.093	2.387	1.012	-0.351
5/13/08	0:00	6.316	6.093	4.378	3.102	2.317	0.92	-0.351
5/13/08	4:00	6.311	6.083	4.367	3.088	2.296	0.85	-0.351
5/13/08	8:00	6.344	6.12	4.393	3.123	2.305	0.82	-0.348
5/13/08	12:00	6.372	6.148	4.411	3.142	2.317		-0.348
5/13/08	16:00	6.41	6.188	4.444	3.18	2.347		-0.407
5/13/08	20:00	6.445	6.227	4.453	3.203	2.324		-0.407
5/14/08	0:00	6.482	6.271	4.465	3.229	2.31		-0.404
5/14/08	4:00	6.485	6.274	4.456	3.22	2.296		-0.407
5/14/08	8:00	6.504	6.294	4.47	3.241	2.307	1.03	-0.402
5/14/08	12:00	6.522	6.306	4.489	3.25	2.338	0.916	-0.404
5/14/08	16:00	6.525	6.297	4.505	3.248	2.364	0.857	-0.407
5/14/08	20:00	6.532	6.301	4.505	3.252	2.338	0.829	-0.409
5/15/08	0:00	6.527	6.306	4.484	3.245	2.298	0.808	-0.407
5/15/08	4:00	6.515	6.294	4.47	3.231	2.289	0.787	-0.404
5/15/08	8:00	6.534	6.315	4.482	3.245	2.293	0.776	-0.407
5/15/08	12:00	6.569	6.343	4.526	3.28	2.363	0.778	-0.404
5/15/08	16:00	6.576	6.339	4.535	3.281	2.387	0.792	-0.407
5/15/08	20:00	6.574	6.345	4.526	3.281	2.342	0.801	-0.407
5/16/08	0:00	6.567	6.345	4.505	3.269	2.305	0.797	-0.404
5/16/08	4:00	6.553	6.332	4.486	3.252	2.289	0.785	-0.409
5/16/08	8:00	6.562	6.343	4.493	3.259	2.289	0.776	-0.407
5/16/08	12:00	6.588	6.352	4.538	3.288	2.363	0.776	-0.407
5/16/08	16:00	6.595	6.341	4.561	3.292	2.403	0.79	-0.407
5/16/08	20:00	6.574	6.325	4.542	3.269	2.363	0.799	-0.411
5/17/08	0:00	6.541	6.299	4.496	3.236	2.305	0.787	-0.411
5/17/08	4:00	6.518	6.281	4.479	3.222	2.289	0.769	-0.411
5/17/08	8:00	6.534	6.301	4.486	3.236	2.284	0.754	-0.409
5/17/08	12:00	6.584	6.327	4.556	3.278	2.38	0.757	-0.409
5/17/08	16:00	6.602	6.332	4.592	3.299	2.45	0.78	-0.407
5/17/08	20:00	6.602	6.339	4.58	3.299	2.415	0.806	-0.411
5/18/08	0:00	6.574	6.332	4.526	3.269	2.331	0.806	-0.407
5/18/08	4:00	6.555	6.318	4.503	3.25	2.298	0.79	-0.407
5/18/08	8:00	6.572	6.341	4.51	3.264	2.291	0.776	-0.407
5/18/08	12:00	6.612	6.362	4.564	3.299	2.359	0.778	-0.407
5/18/08	16:00	6.623	6.359	4.596	3.311	2.389	0.79	
5/18/08	20:00	6.591	6.327	4.561	3.278	2.342	0.797	
5/19/08	0:00	6.546	6.299	4.507	3.236	2.281	0.783	
5/19/08	4:00	6.497	6.243	4.467	3.184	2.246	0.757	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
5/19/08	8:00	6.502	6.257	4.477	3.203	2.263	0.736	
5/19/08	12:00	6.574	6.311	4.566	3.273	2.361	0.743	
5/19/08	16:00	6.616	6.343	4.608	3.306	2.431	0.768	
5/19/08	20:00	6.619	6.355	4.594	3.304	2.398	0.801	
5/20/08	0:00	6.621	6.383	4.566	3.309	2.33	0.811	
5/20/08	4:00	6.621	6.392	4.547	3.302	2.293	0.806	
5/20/08	8:00	6.663	6.445	4.571	3.341	2.293	0.806	
5/20/08	12:00	6.699	6.468	4.608	3.367	2.337	0.815	
5/20/08	16:00	6.715	6.464	4.634	3.369	2.396	0.829	
5/20/08	20:00	6.699	6.45	4.62	3.358	2.377	0.841	
5/21/08	0:00	6.647	6.415	4.552	3.306	2.288	0.832	
5/21/08	4:00	6.626	6.399	4.528	3.285	2.263	0.811	
5/21/08	8:00	6.619	6.392	4.521	3.281	2.255	0.79	
5/21/08	12:00	6.652	6.401	4.575	3.313	2.328	0.785	
5/21/08	16:00	6.656	6.394	4.589	3.311	2.351	0.792	
5/21/08	20:00	6.631	6.376	4.564	3.292	2.316	0.799	
5/22/08	0:00	6.6	6.362	4.524	3.262	2.265	0.79	
5/22/08	4:00	6.586	6.352	4.505	3.252	2.244	0.768	
5/22/08	8:00	6.586	6.308	4.505	3.206	2.239	0.752	
5/22/08	12:00	6.572	6.355	4.428	3.257	2.204	0.743	
5/22/08	16:00	6.57	6.339	4.463	3.213	2.244	0.726	
5/22/08	20:00	6.558	6.322	4.474	3.213	2.248	0.717	
5/23/08	0:00	6.574	6.35	4.486	3.231	2.244	0.722	
5/23/08	4:00	6.03	6.232	4.055	3.051	2.169	0.705	
5/23/08	8:00	5.474	5.877	4.158	2.899	2.213	0.607	
5/23/08	12:00	5.592	5.918	4.229	2.988	2.216	0.581	
5/23/08	16:00	5.927	6	4.268	3.023	2.22	0.577	
5/23/08	20:00	6.237	6.088	4.313	3.063	2.225	0.591	
5/24/08	0:00	6.323	6.134	4.348	3.081	2.225	0.603	
5/24/08	4:00	5.936	5.958	4.114	2.889	2.155	0.589	
5/24/08	8:00	5.716	5.863	4.158	2.873	2.199	0.544	
5/24/08	12:00	5.726	5.863	4.212	2.927	2.229	0.525	
5/24/08	16:00	5.82	5.895	4.271	2.962	2.265	0.528	
5/24/08	20:00	6.056	5.932	4.28	2.976	2.234	0.544	
5/25/08	0:00	6.122	5.944	4.273	2.967	2.206	0.546	
5/25/08	4:00	6.159	5.939	4.266	2.957	2.201	0.542	
5/25/08	8:00	6.185	5.958	4.28	2.969	2.204	0.539	
5/25/08	12:00	6.209	5.953	4.32	2.983	2.276	0.537	
5/25/08	16:00	6.248	5.97	4.369	3.018	2.337	0.556	
5/25/08	20:00	6.263	5.937	4.369	2.962	2.304	0.582	
5/26/08	0:00	6.225	5.967	4.311	2.988	2.218	0.582	
5/26/08	4:00	6.237	5.981	4.318	3.004	2.218	0.57	
5/26/08	8:00	6.253	6.004	4.322	3.009	2.213	0.567	
5/26/08	12:00	6.295	6.041	4.355	3.051	2.241	0.574	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
5/26/08	16:00	6.335	6.062	4.402	3.079	2.292	0.591	
5/26/08	20:00	6.314	6.048	4.369	3.053	2.248	0.61	
5/27/08	0:00	6.324	6.067	4.362	3.063	2.225	0.612	
5/27/08	4:00	6.312	6.058	4.353	3.051	2.215	0.607	
5/27/08	8:00	6.331	6.081	4.364	3.074	2.225	0.605	
5/27/08	12:00	6.359	6.09	4.371	3.072	2.218	0.614	
5/27/08	16:00	6.368	6.146	4.374	3.119	2.217	0.619	
5/27/08	20:00	6.378	6.109	4.374	3.086	2.217	0.621	
5/28/08	0:00	6.382	6.102	4.367	3.088	2.213	0.624	
5/28/08	4:00	6.148	6.081	4.224	3.013	2.192	0.603	
5/28/08	8:00	5.704	5.823	4.055	2.854	2.178	0.551	
5/28/08	12:00	5.599	5.754	4.107	2.828	2.192	0.5	
5/28/08	16:00	5.595	5.733	4.147	2.849	2.208	0.479	
5/28/08	20:00	5.642	5.735	4.156	2.845	2.192	0.472	
5/29/08	0:00	5.902	5.761	4.168	2.854	2.187	0.467	
5/29/08	4:00	5.986	5.765	4.172	2.845	2.185	0.462	
5/29/08	8:00	6.007	5.761	4.182	2.842	2.185	0.455	
5/29/08	12:00	6.005	5.742	4.184	2.828	2.196	0.451	
5/29/08	16:00	6.012	5.717	4.21	2.826	2.241	0.444	
5/29/08	20:00	5.986	5.691	4.184	2.802	2.206	0.446	
5/30/08	0:00	5.965	5.714	4.09	2.793	2.201	0.437	
5/30/08	4:00	5.346	5.457	3.999	2.603	2.175	0.38	
5/30/08	8:00	5.229	5.355	3.955	2.571	2.154	0.336	
5/30/08	12:00	5.328	5.387	4.02	2.629	2.192	0.317	
5/30/08	16:00	5.639	5.466	4.116	2.702	2.252	0.331	
5/30/08	20:00	5.81	5.536	4.149	2.744	2.227	0.362	
5/31/08	0:00	5.838	5.559	4.123	2.739	2.187	0.373	
5/31/08	4:00	5.852	5.566	4.118	2.737	2.175	0.378	
5/31/08	8:00	5.88	5.594	4.137	2.758	2.18	0.383	
5/31/08	12:00	5.937	5.631	4.196	2.802	2.231	0.395	
5/31/08	16:00	5.991	5.656	4.25	2.838	2.294	0.418	
5/31/08	20:00	5.991	5.659	4.233	2.826	2.245	0.444	
6/1/08	0:00	5.958	5.647	4.182	2.8	2.189	0.444	
6/1/08	4:00	5.941	5.631	4.168	2.781	2.182	0.427	
6/1/08	8:00	5.958	5.652	4.175	2.8	2.184	0.423	
6/1/08	12:00	6.024	5.689	4.259	2.854	2.278	0.43	
6/1/08	16:00	6.052	5.7	4.292	2.877	2.322	0.455	
6/1/08	20:00	6.031	5.689	4.252	2.849	2.257	0.474	
6/2/08	0:00	5.998	5.677	4.205	2.821	2.203	0.467	
6/2/08	4:00	5.958	5.638	4.175	2.781	2.182	0.444	
6/2/08	8:00	5.941	5.675	4.158	2.821	2.175	0.425	
6/2/08	12:00	5.944	5.612	4.177	2.767	2.194	0.411	
6/2/08	16:00	5.986	5.619	4.243	2.803	2.273	0.413	
6/2/08	20:00	5.965	5.612	4.21	2.793	2.231	0.427	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
6/3/08	0:00	5.902	5.561	4.147	2.732	2.18	0.411	
6/3/08	4:00	5.864	5.531	4.13	2.704	2.182	0.383	
6/3/08	8:00	5.852	5.568	4.118	2.699	2.17	0.366	
6/3/08	12:00	5.892	5.54	4.175	2.737	2.229	0.362	
6/3/08	16:00	5.96	5.584	4.25	2.798	2.282	0.38	
6/3/08	20:00	5.967	5.598	4.238	2.798	2.25	0.409	
6/4/08	0:00	5.909	5.568	4.165	2.746	2.179	0.409	
6/4/08	4:00	5.89	5.556	4.142	2.725	2.165	0.392	
6/4/08	8:00	5.888	5.561	4.142	2.73	2.172	0.378	
6/4/08	12:00	5.876	5.54	4.135	2.716	2.17	0.366	
6/4/08	16:00	5.932	5.561	4.217	2.765	2.245	0.366	
6/4/08	20:00	5.888	5.529	4.161	2.72	2.186	0.376	
6/5/08	0:00	4	4.459	3.385	1.938	2.109	0.25	
6/5/08	4:00	3.071	3.516	2.99	1.549	2.046	0.004	
6/5/08	8:00	3.317	3.194	3.196	1.507	2.069	-0.183	
6/5/08	12:00	3.568	3.324	3.313	1.631	2.091	-0.255	
6/5/08	16:00	3.753	3.449	3.404	1.72	2.123	-0.267	
6/5/08	20:00	3.899	3.53	3.413	1.748	2.095	-0.26	
6/6/08	0:00	3.964	3.574	3.376	1.713	2.055	-0.258	
6/6/08	4:00	4.117	3.7	3.451	1.793	2.088	-0.248	
6/6/08	8:00	4.269	3.834	3.524	1.889	2.116	-0.227	
6/6/08	12:00	4.445	3.974	3.606	1.978	2.165	-0.181	
6/6/08	16:00	4.593	4.078	3.673	2.043	2.193	-0.131	
6/6/08	20:00	4.67	4.145	3.69	2.062	2.158	-0.092	
6/7/08	0:00	4.675	4.176	3.645	2.036	2.109	-0.082	
6/7/08	4:00	4.656	4.159	3.622	1.994	2.09	-0.094	
6/7/08	8:00	4.682	4.185	3.634	2.001	2.1	-0.106	
6/7/08	12:00	4.762	4.241	3.711	2.071	2.186	-0.099	
6/7/08	16:00	4.823	4.28	3.76	2.104	2.235	-0.071	
6/7/08	20:00	4.83	4.31	3.741	2.102	2.179	-0.045	
6/8/08	0:00	4.807	4.306	3.68	2.067	2.107	-0.054	
6/8/08	4:00	4.021	3.997	3.374	1.846	2.078	-0.099	
6/8/08	8:00	3.636	3.512	3.257	1.628	2.067	-0.225	
6/8/08	12:00	3.859	3.6	3.36	1.671	2.074	-0.286	
6/8/08	16:00	4.011	3.681	3.43	1.746	2.085	-0.293	
6/8/08	20:00	4.14	3.756	3.481	1.802	2.097	-0.276	
6/9/08	0:00	4.223	3.825	3.493	1.83	2.083	-0.258	
6/9/08	4:00	4.276	3.853	3.495	1.83	2.074	-0.248	
6/9/08	8:00	4.342	3.897	3.516	1.856	2.083	-0.241	
6/9/08	12:00	4.455	3.962	3.591	1.914	2.141	-0.225	
6/9/08	16:00	4.558	4.015	3.645	1.952	2.165	-0.195	
6/9/08	20:00	4.586	4.029	3.624	1.943	2.116	-0.174	
6/10/08	0:00	4.57	4.041	3.584	1.919	2.085	-0.171	
6/10/08	4:00	4.558	4.036	3.568	1.903	2.081	-0.185	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
6/10/08	8:00	4.574	4.053	3.575	1.912	2.078	-0.19	
6/10/08	12:00	4.659	4.104	3.671	1.98	2.172	-0.183	
6/10/08	16:00	4.703	4.122	3.713	1.999	2.209	-0.159	
6/10/08	20:00	4.687	4.118	3.673	1.973	2.146	-0.138	
6/11/08	0:00	4.624	4.078	3.603	1.919	2.088	-0.15	
6/11/08	4:00	4.574	4.062	3.54	1.884	2.066	-0.183	
6/11/08	8:00	4.57	4.039	3.559	1.875	2.083	-0.204	
6/11/08	12:00	4.586	4.036	3.587	1.879	2.101	-0.22	
6/11/08	16:00	4.652	4.076	3.657	1.931	2.158	-0.211	
6/11/08	20:00	4.617	4.055	3.598	1.856	2.106	-0.199	
6/12/08	0:00	3.486	3.284	3.16	1.441	2.052	-0.309	
6/12/08	4:00	3.606	3.287	3.205	1.45	2.041	-0.396	
6/12/08	8:00	3.709	3.315	3.254	1.486	2.045	-0.438	
6/12/08	12:00	3.84	3.382	3.341	1.556	2.085	-0.442	
6/12/08	16:00	3.976	3.458	3.425	1.631	2.115	-0.419	
6/12/08	20:00	4.044	3.514	3.439	1.659	2.092	-0.389	
6/13/08	0:00	4.044	3.526	3.409	1.64	2.059	-0.382	
6/13/08	4:00	4.058	3.537	3.402	1.638	2.05	-0.379	
6/13/08	8:00	4.115	3.586	3.427	1.668	2.069	-0.379	
6/13/08	12:00	4.223	3.656	3.512	1.741	2.139	-0.358	
6/13/08	16:00	4.305	3.695	3.559	1.771	2.174	-0.328	
6/13/08	20:00	4.331	3.711	3.533	1.757	2.115	-0.302	
6/14/08	0:00	4.272	3.679	3.463	1.701	2.059	-0.314	
6/14/08	4:00	4.241	3.651	3.444	1.671	2.052	-0.337	
6/14/08	8:00	4.274	3.684	3.467	1.696	2.073	-0.351	
6/14/08	12:00	4.359	3.735	3.552	1.757	2.153	-0.342	
6/14/08	16:00	4.401	3.753	3.582	1.778	2.171	-0.318	
6/14/08	20:00	4.375	3.735	3.542	1.746	2.108	-0.302	
6/15/08	0:00	4.3	3.695	3.47	1.689	2.061	-0.321	
6/15/08	4:00	4.267	3.672	3.446	1.661	2.052	-0.346	
6/15/08	8:00	4.26	3.67	3.439	1.657	2.043	-0.365	
6/15/08	12:00	3.852	3.414	3.264	1.45	2.038	-0.417	
6/15/08	16:00	3.972	3.477	3.388	1.575	2.094	-0.442	
6/15/08	20:00	4.045	3.523	3.413	1.612	2.073	-0.428	
6/16/08	0:00	4.059	3.554	3.397	1.617	2.054	-0.419	
6/16/08	4:00	4.073	3.565	3.39	1.61	2.042	-0.417	
6/16/08	8:00	4.131	3.621	3.42	1.647	2.061	-0.412	
6/16/08	12:00	4.206	3.67	3.474	1.692	2.096	-0.396	
6/16/08	16:00	4.274	3.707	3.516	1.722	2.12	-0.375	
6/16/08	20:00	4.288	3.723	3.498	1.713	2.08	-0.356	
6/17/08	0:00	4.26	3.714	3.451	1.682	2.049	-0.363	
6/17/08	4:00	4.256	3.7	3.434	1.661	2.045	-0.377	
6/17/08	8:00	4.274	3.714	3.442	1.664	2.054	-0.386	
6/17/08	12:00	4.359	3.758	3.524	1.727	2.124	-0.379	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
6/17/08	16:00	4.399	3.769	3.554	1.736	2.136	-0.358	
6/17/08	20:00	4.385	3.762	3.514	1.713	2.082	-0.349	
6/18/08	0:00	4.286	3.697	3.42	1.622	2.019	-0.368	
6/18/08	4:00	4.253	3.672	3.409	1.614	2.035	-0.398	
6/18/08	8:00	4.267	3.691	3.42	1.628	2.04	-0.41	
6/18/08	12:00	4.342	3.737	3.493	1.682	2.096	-0.41	
6/18/08	16:00	4.38	3.749	3.526	1.701	2.122	-0.396	
6/18/08	20:00	4.356	3.739	3.488	1.678	2.07	-0.386	
6/19/08	0:00	4.291	3.702	3.432	1.629	2.042	-0.4	
6/19/08	4:00	4.267	3.684	3.413	1.61	2.033	-0.417	
6/19/08	8:00	4.263	3.681	3.409	1.607	2.028	-0.431	
6/19/08	12:00	4.324	3.718	3.472	1.652	2.087	-0.428	
6/19/08	16:00	4.382	3.742	3.521	1.694	2.119	-0.414	
6/19/08	20:00	3.25	3.215	2.987	1.364	1.991	-0.473	
6/20/08	0:00	3.547	3.173	3.156	1.326	2.012	-0.533	
6/20/08	4:00	3.705	3.247	3.221	1.392	2.023	-0.559	
6/20/08	8:00	3.791	3.301	3.256	1.425	2.028	-0.559	
6/20/08	12:00	3.89	3.359	3.329	1.483	2.077	-0.545	
6/20/08	16:00	3.974	3.41	3.381	1.525	2.103	-0.519	
6/20/08	20:00	3.993	3.428	3.357	1.511	2.051	-0.501	
6/21/08	0:00	3.991	3.442	3.336	1.507	2.03	-0.503	
6/21/08	4:00	3.993	3.445	3.329	1.497	2.03	-0.51	
6/21/08	8:00	4.017	3.463	3.334	1.507	2.026	-0.51	
6/21/08	12:00	4.087	3.505	3.406	1.558	2.098	-0.503	
6/21/08	16:00	4.141	3.526	3.442	1.582	2.124	-0.477	
6/21/08	20:00	4.108	3.507	3.381	1.53	2.047	-0.473	
6/22/08	0:00	4.066	3.451	3.336	1.493	2.018	-0.489	
6/22/08	4:00	4.066	3.465	3.329	1.483	2.021	-0.512	
6/22/08	8:00	4.059	3.456	3.327	1.476	2.018	-0.524	
6/22/08	12:00	4.12	3.491	3.392	1.525	2.091	-0.524	
6/22/08	16:00	4.174	3.519	3.439	1.561	2.119	-0.503	
6/22/08	20:00	4.162	3.516	3.406	1.542	2.065	-0.487	
6/23/08	0:00	4.12	3.503	3.357	1.511	2.028	-0.494	
6/23/08	4:00	4.089	3.477	3.336	1.483	2.021	-0.515	
6/23/08	8:00	4.101	3.489	3.343	1.495	2.035	-0.526	
6/23/08	12:00	4.185	3.54	3.434	1.563	2.119	-0.517	
6/23/08	16:00	4.249	3.584	3.479	1.605	2.14	-0.482	
6/23/08	20:00	4.197	3.554	3.411	1.551	2.067	-0.468	
6/24/08	0:00	4.155	3.54	3.364	1.521	2.032	-0.48	
6/24/08	4:00	4.11	3.493	3.338	1.483	2.021	-0.505	
6/24/08	8:00	4.085	3.507	3.308	1.502	1.997	-0.524	
6/24/08	12:00	4.087	3.479	3.32	1.467	2.021	-0.54	
6/24/08	16:00	4.031	3.475	3.207	1.465	1.995	-0.555	
6/24/08	20:00	3.967	3.389	3.252	1.385	2.007	-0.58	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
6/25/08	0:00	3.979	3.391	3.268	1.399	2.009	-0.599	
6/25/08	4:00	3.986	3.389	3.271	1.404	2.013	-0.604	
6/25/08	8:00	3.995	3.41	3.273	1.404	2.007	-0.601	
6/25/08	12:00	4.024	3.412	3.306	1.422	2.037	-0.599	
6/25/08	16:00	4.101	3.454	3.374	1.472	2.086	-0.566	
6/25/08	20:00	4.101	3.458	3.35	1.46	2.042	-0.559	
6/26/08	0:00	4.045	3.428	3.296	1.422	2.009	-0.569	
6/26/08	4:00	4.005	3.393	3.273	1.392	1.997	-0.601	
6/26/08	8:00	4	3.387	3.275	1.387	1.997	-0.613	
6/26/08	12:00	3.381	3.129	3.013	1.256	1.985	-0.634	
6/26/08	16:00	3.505	3.055	3.13	1.214	2.025	-0.634	
6/26/08	20:00	3.583	3.071	3.153	1.228	2.004	-0.636	
6/27/08	0:00	3.609	3.073	3.151	1.221	1.988	-0.636	
6/27/08	4:00	3.644	3.089	3.16	1.23	1.983	-0.639	
6/27/08	8:00	3.7	3.131	3.189	1.265	2.004	-0.639	
6/27/08	12:00	3.81	3.21	3.278	1.343	2.072	-0.632	
6/27/08	16:00	3.881	3.254	3.313	1.378	2.076	-0.615	
6/27/08	20:00	3.843	3.252	3.24	1.338	2.004	-0.62	
6/28/08	0:00	3.855	3.273	3.238	1.345	2.002	-0.634	
6/28/08	4:00	3.836	3.254	3.221	1.324	1.99	-0.636	
6/28/08	8:00	3.86	3.273	3.231	1.336	1.992	-0.639	
6/28/08	12:00	3.963	3.338	3.317	1.415	2.076	-0.618	
6/28/08	16:00	4.014	3.368	3.348	1.434	2.083	-0.573	
6/28/08	20:00	4	3.356	3.306	1.404	2.03	-0.585	
6/29/08	0:00	3.974	3.347	3.273	1.385	2.002	-0.611	
6/29/08	4:00	3.974	3.354	3.273	1.383	2.002	-0.618	
6/29/08	8:00	3.993	3.375	3.292	1.401	2.011	-0.618	
6/29/08	12:00	4.073	3.428	3.362	1.465	2.072	-0.578	
6/29/08	16:00	4.11	3.449	3.388	1.483	2.083	-0.566	
6/29/08	20:00	4.094	3.44	3.357	1.462	2.037	-0.562	
6/30/08	0:00	4.045	3.419	3.308	1.425	2.001	-0.569	
6/30/08	4:00	4.017	3.403	3.282	1.406	1.999	-0.599	
6/30/08	8:00	4.021	3.407	3.282	1.408	2.004	-0.606	
6/30/08	12:00	4.094	3.449	3.367	1.467	2.081	-0.58	
6/30/08	16:00	4.125	3.458	3.395	1.483	2.086	-0.566	
6/30/08	20:00	4.089	3.433	3.345	1.446	2.032	-0.564	
7/1/08	0:00	4.017	3.389	3.285	1.392	1.999	-0.58	
7/1/08	4:00	3.977	3.354	3.261	1.364	1.987	-0.625	
7/1/08	8:00	3.965	3.338	3.261	1.354	1.99	-0.643	
7/1/08	12:00	4.04	3.373	3.343	1.408	2.071	-0.627	
7/1/08	16:00	4.094	3.4	3.392	1.448	2.097	-0.58	
7/1/08	20:00	4.061	3.38	3.343	1.411	2.041	-0.583	
7/2/08	0:00	3.96	3.315	3.256	1.338	1.983	-0.625	
7/2/08	4:00	3.911	3.275	3.228	1.308	1.973	-0.639	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
7/2/08	8:00	3.923	3.294	3.238	1.322	1.985	-0.639	
7/2/08	12:00	4.007	3.345	3.322	1.385	2.055	-0.634	
7/2/08	16:00	4.106	3.419	3.397	1.462	2.095	-0.59	
7/2/08	20:00	4.134	3.477	3.385	1.488	2.062	-0.566	
7/3/08	0:00	4.078	3.452	3.32	1.441	2.013	-0.576	
7/3/08	4:00	4.047	3.433	3.294	1.415	1.999	-0.601	
7/3/08	8:00	4.052	3.445	3.299	1.422	2.006	-0.606	
7/3/08	12:00	4.106	3.472	3.357	1.462	2.05	-0.592	
7/3/08	16:00	4.169	3.51	3.413	1.507	2.076	-0.571	
7/3/08	20:00	4.12	3.477	3.353	1.458	2.05	-0.564	
7/4/08	0:00	4.064	3.449	3.299	1.42	2.006	-0.578	
7/4/08	4:00	4.033	3.424	3.275	1.394	1.982	-0.618	
7/4/08	8:00	4.019	3.412	3.271	1.387	1.978	-0.627	
7/4/08	12:00	4.094	3.456	3.348	1.444	2.031	-0.618	
7/4/08	16:00	4.16	3.489	3.402	1.483	2.069	-0.569	
7/4/08	20:00	4.134	3.475	3.364	1.458	2.017	-0.569	
7/5/08	0:00	4.064	3.44	3.299	1.411	1.973	-0.601	
7/5/08	4:00	4.012	3.398	3.266	1.371	1.959	-0.629	
7/5/08	8:00	4.014	3.398	3.273	1.38	1.973	-0.643	
7/5/08	12:00	3.996	3.377	3.266	1.357	1.959	-0.639	
7/5/08	16:00	4.066	3.405	3.348	1.411	2.043	-0.627	
7/5/08	20:00	4.064	3.407	3.32	1.401	2.003	-0.613	
7/6/08	0:00	3.991	3.366	3.256	1.347	1.961	-0.636	
7/6/08	4:00	3.951	3.335	3.233	1.319	1.954	-0.639	
7/6/08	8:00	3.939	3.324	3.231	1.317	1.954	-0.641	
7/6/08	12:00	4.047	3.398	3.324	1.397	2.01	-0.636	
7/6/08	16:00	4.118	3.449	3.364	1.446	2.043	-0.601	
7/6/08	20:00	4.099	3.451	3.334	1.425	1.996	-0.601	
7/7/08	0:00	4.021	3.407	3.266	1.373	1.954	-0.629	
7/7/08	4:00	3.986	3.377	3.247	1.347	1.95	-0.636	
7/7/08	8:00	3.972	3.363	3.242	1.336	1.95	-0.639	
7/7/08	12:00	4.087	3.431	3.353	1.418	2.036	-0.627	
7/7/08	16:00	4.148	3.477	3.39	1.46	2.059	-0.58	
7/7/08	20:00	4.045	3.414	3.287	1.378	1.971	-0.618	
7/8/08	0:00	4.014	3.407	3.264	1.366	1.956	-0.634	
7/8/08	4:00	3.989	3.38	3.242	1.352	1.938	-0.639	
7/8/08	8:00	4	3.4	3.254	1.359	1.949	-0.639	
7/8/08	12:00	4.038	3.428	3.287	1.387	1.968	-0.632	
7/8/08	16:00	4.099	3.465	3.35	1.432	2.008	-0.625	
7/8/08	20:00	4.094	3.475	3.317	1.425	1.98	-0.618	
7/9/08	0:00	4.061	3.465	3.28	1.406	1.954	-0.625	
7/9/08	4:00	4.024	3.435	3.256	1.376	1.942	-0.636	
7/9/08	8:00	4.038	3.454	3.266	1.39	1.942	-0.634	
7/9/08	12:00	4.118	3.498	3.345	1.444	2.01	-0.625	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
7/9/08	16:00	4.186	3.537	3.39	1.486	2.031	-0.578	
7/9/08	20:00	4.087	3.477	3.299	1.404	1.954	-0.613	
7/10/08	0:00	4.059	3.463	3.278	1.39	1.947	-0.632	
7/10/08	4:00	4.014	3.424	3.254	1.359	1.942	-0.641	
7/10/08	8:00	4.024	3.433	3.259	1.369	1.945	-0.641	
7/10/08	12:00	4.118	3.482	3.36	1.439	2.024	-0.632	
7/10/08	16:00	4.209	3.54	3.432	1.5	2.078	-0.573	
7/10/08	20:00	4.186	3.533	3.39	1.476	2.017	-0.571	
7/11/08	0:00	4.094	3.484	3.31	1.411	1.97	-0.604	
7/11/08	4:00	4.045	3.445	3.273	1.378	1.952	-0.639	
7/11/08	8:00	4.012	3.417	3.259	1.357	1.947	-0.641	
7/11/08	12:00	4.115	3.47	3.367	1.432	2.033	-0.629	
7/11/08	16:00	4.202	3.528	3.439	1.495	2.087	-0.58	
7/11/08	20:00	4.186	3.535	3.39	1.472	2.024	-0.569	
7/12/08	0:00	4.172	3.505	3.36	1.444	2.005	-0.576	
7/12/08	4:00	4.139	3.547	3.334	1.465	1.97	-0.594	
7/12/08	8:00	4.165	3.561	3.341	1.476	1.966	-0.583	
7/12/08	12:00	4.183	3.6	3.36	1.495	1.973	-0.587	
7/12/08	16:00	4.235	3.616	3.413	1.528	2.012	-0.58	
7/12/08	20:00	4.24	3.614	3.404	1.521	1.986	-0.569	
7/13/08	0:00	4.155	3.568	3.329	1.46	1.949	-0.573	
7/13/08	4:00	4.115	3.535	3.303	1.429	1.942	-0.611	
7/13/08	8:00	4.108	3.53	3.303	1.427	1.942	-0.625	
7/13/08	12:00	4.209	3.593	3.404	1.504	2.024	-0.587	
7/13/08	16:00	4.284	3.633	3.465	1.554	2.059	-0.573	
7/13/08	20:00	4.268	3.628	3.432	1.53	2.003	-0.552	
7/14/08	0:00	4.16	3.563	3.334	1.451	1.944	-0.569	
7/14/08	4:00	4.118	3.533	3.308	1.425	1.94	-0.606	
7/14/08	8:00	4.108	3.526	3.306	1.425	1.942	-0.627	
7/14/08	12:00	4.233	3.598	3.434	1.519	2.054	-0.587	
7/14/08	16:00	4.333	3.663	3.512	1.584	2.108	-0.562	
7/14/08	20:00	4.305	3.658	3.458	1.556	2.026	-0.529	
7/15/08	0:00	4.228	3.63	3.383	1.511	1.97	-0.538	
7/15/08	4:00	4.172	3.584	3.345	1.467	1.954	-0.569	
7/15/08	8:00	4.158	3.568	3.334	1.451	1.944	-0.587	
7/15/08	12:00	4.27	3.651	3.444	1.547	2.028	-0.58	
7/15/08	16:00	4.364	3.714	3.516	1.612	2.07	-0.552	
7/15/08	20:00	4.319	3.693	3.446	1.57	1.996	-0.519	
7/16/08	0:00	3.886	3.537	3.064	1.331	1.923	-0.557	
7/16/08	4:00	3.642	3.315	3.011	1.237	1.897	-0.648	
7/16/08	8:00	3.52	3.085	3.025	1.104	1.89	-0.653	
7/16/08	12:00	3.747	3.199	3.142	1.226	1.918	-0.65	
7/16/08	16:00	3.881	3.296	3.233	1.305	1.96	-0.648	
7/16/08	20:00	3.937	3.328	3.252	1.322	1.932	-0.643	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
7/17/08	0:00	3.932	3.345	3.226	1.317	1.911	-0.646	
7/17/08	4:00	3.916	3.331	3.21	1.303	1.902	-0.648	
7/17/08	8:00	3.918	3.335	3.214	1.301	1.902	-0.648	
7/17/08	12:00	4.003	3.391	3.294	1.366	1.965	-0.643	
7/17/08	16:00	4.066	3.426	3.345	1.406	2.005	-0.634	
7/17/08	20:00	3.107	2.82	2.933	1.048	1.89	-0.657	
7/18/08	0:00	3.306	2.857	3.025	1.09	1.89	-0.657	
7/18/08	4:00	3.393	2.95	3.057	1.09	1.883	-0.66	
7/18/08	8:00	3.473	3.015	3.083	1.153	1.893	-0.657	
7/18/08	12:00	3.562	3.069	3.137	1.197	1.921	-0.653	
7/18/08	16:00	3.66	3.124	3.193	1.242	1.951	-0.653	
7/18/08	20:00	3.698	3.15	3.179	1.235	1.93	-0.653	
7/19/08	0:00	3.705	3.161	3.156	1.228	1.902	-0.655	
7/19/08	4:00	3.712	3.157	3.149	1.212	1.897	-0.657	
7/19/08	8:00	3.759	3.18	3.16	1.223	1.902	-0.657	
7/19/08	12:00	3.815	3.21	3.212	1.261	1.951	-0.653	
7/19/08	16:00	3.888	3.238	3.266	1.296	1.986	-0.648	
7/19/08	20:00	3.904	3.261	3.249	1.301	1.956	-0.648	
7/20/08	0:00	3.862	3.252	3.203	1.27	1.913	-0.653	
7/20/08	4:00	3.848	3.25	3.189	1.265	1.902	-0.655	
7/20/08	8:00	3.855	3.259	3.198	1.272	1.902	-0.657	
7/20/08	12:00	3.946	3.326	3.278	1.343	1.965	-0.646	
7/20/08	16:00	4	3.359	3.32	1.378	2	-0.643	
7/20/08	20:00	3.982	3.347	3.282	1.35	1.937	-0.648	
7/21/08	0:00	3.914	3.308	3.224	1.303	1.906	-0.653	
7/21/08	4:00	3.916	3.319	3.224	1.315	1.906	-0.641	
7/21/08	8:00	3.893	3.301	3.217	1.294	1.904	-0.643	
7/21/08	12:00	3.958	3.34	3.275	1.345	1.96	-0.639	
7/21/08	16:00	4.019	3.384	3.324	1.392	1.983	-0.636	
7/21/08	20:00	3.977	3.363	3.271	1.354	1.927	-0.639	
7/22/08	0:00	3.935	3.342	3.231	1.324	1.902	-0.641	
7/22/08	4:00	3.93	3.345	3.228	1.322	1.897	-0.643	
7/22/08	8:00	3.928	3.345	3.221	1.322	1.897	-0.646	
7/22/08	12:00	4.007	3.4	3.303	1.39	1.974	-0.639	
7/22/08	16:00	4.069	3.433	3.364		2.014	-0.632	
7/22/08	20:00	4.057	3.433	3.329	1.42	1.955	-0.618	
7/23/08	0:00	4.003	3.414	3.271	1.373	1.906	-0.641	
7/23/08	4:00	3.977	3.393	3.254	1.347	1.892	-0.643	
7/23/08	8:00	3.968	3.387	3.247	1.34	1.892	-0.646	
7/23/08	12:00	4.024	3.421		1.385	1.958	-0.639	
7/23/08	16:00	4.071	3.447	3.357	1.408	2.065		
7/23/08	20:00	4.014	3.412	3.289	1.354	1.941		
7/24/08	0:00	3.965	3.377	3.249	1.315	1.906		
7/24/08	4:00	3.944	3.363	3.238	1.305	1.899		

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
7/24/08	8:00	3.939	3.356	3.233	1.298	1.894		
7/24/08	12:00	3.97	3.373	3.278	1.326	1.92		
7/24/08	16:00	4.036	3.412	3.327	1.369	1.95	-0.599	
7/24/08	20:00	4.036	3.424	3.303	1.366	1.922	-0.653	
7/25/08	0:00	3.989	3.405	3.259	1.336	1.892	-0.718	
7/25/08	4:00	3.956	3.377	3.238	1.308	1.883	-0.753	
7/25/08	8:00	3.977	3.407	3.254	1.326	1.883	-0.76	
7/25/08	12:00	4.003	3.431	3.266	1.352	1.89	-0.765	
7/25/08	16:00	4.073	3.475	3.331	1.404	1.929	-0.753	
7/25/08	20:00	4.09	3.491	3.327	1.408	1.913	-0.735	
7/26/08	0:00	4.05	3.477	3.282	1.383	1.89	-0.744	
7/26/08	4:00	4.022	3.458	3.263	1.359	1.878	-0.732	
7/26/08	8:00	4.019	3.456	3.261	1.359	1.88	-0.742	
7/26/08	12:00	4.061	3.489	3.301	1.394	1.911	-0.739	
7/26/08	16:00	4.092	3.489	3.341	1.404	1.934	-0.739	
7/26/08	20:00	4.085	3.484	3.324	1.399	1.918	-0.732	
7/27/08	0:00	4.012	3.44	3.259	1.345	1.873	-0.735	
7/27/08	4:00	3.977	3.407	3.24	1.317	1.871	-0.735	
7/27/08	8:00	3.965	3.398	3.233	1.31	1.866	-0.737	
7/27/08	12:00	4.047	3.445	3.32	1.376	1.941	-0.73	
7/27/08	16:00	4.125	3.493	3.385	1.427	1.983	-0.723	
7/27/08	20:00	4.101	3.477	3.341	1.397	1.92	-0.723	
7/28/08	0:00	4.026	3.445	3.273	1.347	1.88	-0.73	
7/28/08	4:00	3.989	3.417	3.252	1.326	1.88	-0.732	
7/28/08	8:00	4.024	3.456	3.275	1.364	1.892	-0.732	
7/28/08	12:00	4.108	3.51	3.357	1.422	1.966	-0.725	
7/28/08	16:00	4.193	3.563	3.423	1.486	2.001	-0.695	
7/28/08	20:00	4.167	3.556	3.371	1.453	1.924	-0.688	
7/29/08	0:00	4.113	3.542	3.317	1.425	1.887	-0.723	
7/29/08	4:00	4.073	3.512	3.289	1.392	1.875	-0.735	
7/29/08	8:00	4.057	3.498	3.287	1.38	1.88	-0.735	
7/29/08	12:00	4.136	3.556	3.35	1.439	1.915	-0.727	
7/29/08	16:00	4.188	3.588	3.388	1.472	1.938	-0.711	
7/29/08	20:00	4.162	3.577	3.35	1.448	1.906	-0.716	
7/30/08	0:00	4.101	3.54	3.296	1.408	1.875	-0.732	
7/30/08	4:00	4.073	3.519	3.28	1.387	1.868	-0.737	
7/30/08	8:00	4.066	3.517	3.28	1.387	1.87	-0.735	
7/30/08	12:00	4.136	3.554	3.353	1.437	1.934	-0.727	
7/30/08	16:00	4.214	3.607	3.416	1.495	1.962	-0.697	
7/30/08	20:00	4.2	3.6	3.381	1.474	1.917	-0.69	
7/31/08	0:00	4.134	3.572	3.317	1.432	1.88	-0.723	
7/31/08	4:00	4.087	3.53	3.289	1.399	1.868	-0.735	
7/31/08	8:00	4.078	3.526	3.282	1.394	1.87	-0.735	
7/31/08	12:00	4.169	3.581	3.374	1.465	1.943	-0.725	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
7/31/08	16:00	4.265	3.642	3.456	1.53	1.999	-0.688	
7/31/08	20:00	4.254	3.653	3.409	1.511	1.924	-0.669	
8/1/08	0:00	4.188	3.628	3.348	1.474	1.887	-0.678	
8/1/08	4:00	4.153	3.607	3.322	1.451	1.877	-0.699	
8/1/08	8:00	4.162	3.626	3.329	1.465	1.884	-0.713	
8/1/08	12:00	4.251	3.677	3.42	1.535	1.957	-0.688	
8/1/08	16:00	4.336	3.73	3.493	1.589	2.013	-0.662	
8/1/08	20:00	4.315	3.725	3.439	1.568	1.943	-0.634	
8/2/08	0:00	4.237	3.686	3.369	1.514	1.894	-0.643	
8/2/08	4:00	4.197	3.656	3.338	1.481	1.88	-0.667	
8/2/08	8:00	4.174	3.63	3.331	1.462	1.875	-0.683	
8/2/08	12:00	4.247	3.667	3.411	1.516	1.95	-0.685	
8/2/08	16:00	4.324	3.711	3.477	1.565	1.994	-0.667	
8/2/08	20:00	4.305	3.709	3.434	1.549	1.94	-0.643	
8/3/08	0:00	4.228	3.672	3.364	1.497	1.889	-0.653	
8/3/08	4:00	4.193	3.644	3.338	1.479	1.886	-0.674	
8/3/08	8:00	4.183	3.64	3.334	1.472	1.877	-0.685	
8/3/08	12:00	4.312	3.718	3.463	1.565	1.982	-0.678	
8/3/08	16:00	4.401	3.783	3.535	1.636	2.045	-0.641	
8/3/08	20:00	4.387	3.786	3.491	1.61	1.966	-0.601	
8/4/08	0:00	4.303	3.742	3.411	1.556	1.903	-0.613	
8/4/08	4:00	4.273	3.718	3.388	1.533	1.893	-0.634	
8/4/08	8:00	4.268	3.728	3.388	1.533	1.889	-0.648	
8/4/08	12:00	4.345	3.774	3.472	1.598	1.954	-0.65	
8/4/08	16:00	4.401	3.816	3.507	1.633	1.954	-0.625	
8/4/08	20:00	4.394	3.82	3.474	1.624	1.924	-0.599	
8/5/08	0:00	4.329	3.79	3.413	1.579	1.889	-0.606	
8/5/08	4:00	4.317	3.79	3.402	1.577	1.889	-0.615	
8/5/08	8:00	4.31	3.788	3.395	1.572	1.884	-0.625	
8/5/08	12:00	4.383	3.841	3.465	1.626	1.926	-0.622	
8/5/08	16:00	4.401	3.853	3.47	1.633	1.919	-0.601	
8/5/08	20:00	4.42	3.865	3.472	1.645	1.921	-0.59	
8/6/08	0:00	4.362	3.837	3.418	1.605	1.896	-0.597	
8/6/08	4:00	4.333	3.816	3.399	1.582	1.889	-0.608	
8/6/08	8:00	4.329	3.814	3.395	1.579	1.891	-0.618	
8/6/08	12:00	4.397	3.855	3.463	1.633	1.952	-0.618	
8/6/08	16:00	4.425	3.865	3.491	1.647	1.949	-0.608	
8/6/08	20:00	4.423	3.872	3.467	1.64	1.921	-0.592	
8/7/08	0:00	4.373	3.846	3.418	1.608	1.891	-0.594	
8/7/08	4:00	4.333	3.814	3.392	1.575	1.881	-0.611	
8/7/08	8:00	4.331	3.816	3.395	1.582	1.886	-0.62	
8/7/08	12:00	4.423	3.874	3.491	1.65	1.973	-0.618	
8/7/08	16:00	4.505	3.918	3.549	1.701	2.015	-0.59	
8/7/08	20:00	4.481	3.909	3.5	1.671	1.945	-0.562	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
8/8/08	0:00	4.401	3.865	3.427	1.617	1.9	-0.576	
8/8/08	4:00	4.369	3.844	3.406	1.596	1.886	-0.594	
8/8/08	8:00	4.355	3.834	3.397	1.589	1.886	-0.611	
8/8/08	12:00	4.444	3.881	3.491	1.652	1.965	-0.611	
8/8/08	16:00	4.538	3.939	3.575	1.715	2.008	-0.58	
8/8/08	20:00	4.5	3.923	3.514	1.68	1.942	-0.555	
8/9/08	0:00	4.406	3.865	3.432	1.612	1.891	-0.569	
8/9/08	4:00	4.364	3.832	3.406	1.584	1.877	-0.594	
8/9/08	8:00	4.355	3.821	3.402	1.58	1.881	-0.615	
8/9/08	12:00	4.357	3.82	3.409	1.58	1.879	-0.625	
8/9/08	16:00	4.467	3.89	3.514	1.664	1.965	-0.618	
8/9/08	20:00	4.472	3.906	3.486	1.661	1.919	-0.587	
8/10/08	0:00	4.413	3.883	3.43	1.624	1.884	-0.587	
8/10/08	4:00	4.373	3.853	3.402	1.596	1.874	-0.599	
8/10/08	8:00	4.378	3.862	3.406	1.603	1.881	-0.611	
8/10/08	12:00	4.458	3.909	3.491	1.664	1.954	-0.606	
8/10/08	16:00	4.542	3.962	3.561	1.718	1.982	-0.576	
8/10/08	20:00	4.453	3.916	3.451	1.643	1.89	-0.559	
8/11/08	0:00	4.432	3.911	3.432	1.636	1.881	-0.571	
8/11/08	4:00	4.399	3.881	3.409	1.605	1.869	-0.59	
8/11/08	8:00	4.39	3.876	3.409	1.603	1.872	-0.604	
8/11/08	12:00	4.453	3.909	3.472	1.65	1.925	-0.604	
8/11/08	16:00	4.507	3.939	3.507	1.673	1.932	-0.587	
8/11/08	20:00	4.467	3.916	3.465	1.643	1.9	-0.58	
8/12/08	0:00	4.416	3.89	3.423	1.61	1.876	-0.59	
8/12/08	4:00	4.366	3.874	3.388	1.591	1.872	-0.615	
8/12/08	8:00	4.362	3.846	3.385	1.575	1.865	-0.627	
8/12/08	12:00	4.43	3.895	3.456	1.633	1.921	-0.622	
8/12/08	16:00	4.509	3.944	3.516	1.683	1.942	-0.597	
8/12/08	20:00	4.495	3.944	3.481	1.668	1.902	-0.576	
8/13/08	0:00	4.434	3.916	3.427	1.626	1.872	-0.58	
8/13/08	4:00	4.406	3.89	3.406	1.61	1.86	-0.594	
8/13/08	8:00	4.397	3.888	3.404	1.603	1.865	-0.608	
8/13/08	12:00	4.465	3.927	3.472	1.652	1.918	-0.604	
8/13/08	16:00	4.58	3.995	3.566	1.732	1.977	-0.578	
8/13/08	20:00	4.566	3.999	3.523	1.713	1.914	-0.545	
8/14/08	0:00	4.502	3.981	3.47	1.678	1.881	-0.548	
8/14/08	4:00	4.448	3.932	3.432	1.636	1.869	-0.569	
8/14/08	8:00	4.444	3.932	3.427	1.638	1.865	-0.583	
8/14/08	12:00	4.486	3.96	3.467	1.671	1.897	-0.585	
8/14/08	16:00	4.591	4.029	3.559	1.743	1.956	-0.564	
8/14/08	20:00	4.596	4.043	3.531	1.741	1.918	-0.531	
8/15/08	0:00	4.538	4.027	3.479	1.713	1.886	-0.531	
8/15/08	4:00	4.512	4.011	3.456	1.69	1.872	-0.54	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
8/15/08	8:00	4.514	4.015	3.453	1.694	1.876	-0.55	
8/15/08	12:00	4.584	4.067	3.531	1.753	1.942	-0.543	
8/15/08	16:00	4.662	4.111	3.596	1.804	1.977	-0.515	
8/15/08	20:00	4.657	4.122	3.566	1.797	1.93	-0.487	
8/16/08	0:00	4.608	4.106	3.509	1.765	1.893	-0.487	
8/16/08	4:00	4.575	4.08	3.484	1.736	1.881	-0.501	
8/16/08	8:00	4.568	4.076	3.479	1.732	1.886	-0.512	
8/16/08	12:00	4.645	4.12	3.563	1.79	1.965	-0.512	
8/16/08	16:00	4.709	4.152	3.624	1.83	1.991	-0.484	
8/16/08	20:00	4.674	4.136	3.566	1.793	1.925	-0.463	
8/17/08	0:00	4.603	4.094	3.505	1.746	1.89	-0.48	
8/17/08	4:00	4.568	4.064	3.479	1.718	1.883	-0.503	
8/17/08	8:00	4.559	4.06	3.474	1.713	1.888	-0.519	
8/17/08	12:00	4.648	4.108	3.57	1.774	1.965	-0.519	
8/17/08	16:00	4.713	4.148	3.622	1.818	1.979	-0.491	
8/17/08	20:00	4.688	4.141	3.575	1.797	1.923	-0.47	
8/18/08	0:00	4.61	4.097	3.509	1.743	1.888	-0.484	
8/18/08	4:00	4.573	4.067	3.484	1.72	1.878	-0.505	
8/18/08	8:00	4.559	4.06	3.474	1.711	1.876	-0.522	
8/18/08	12:00	4.66	4.122	3.58	1.788	1.963	-0.522	
8/18/08	16:00	4.756	4.187	3.659	1.861	1.995	-0.484	
8/18/08	20:00	4.725	4.18	3.594	1.828	1.928	-0.454	
8/19/08	0:00	4.648	4.141	3.528	1.776	1.888	-0.466	
8/19/08	4:00	4.613	4.118	3.505	1.753	1.878	-0.482	
8/19/08	8:00	4.61	4.118	3.5	1.753	1.881	-0.496	
8/19/08	12:00	4.695	4.166	3.591	1.821	1.96	-0.498	
8/19/08	16:00	4.767	4.213	3.645	1.868	1.981	-0.47	
8/19/08	20:00	4.753	4.215	3.61	1.851	1.934	-0.44	
8/20/08	0:00	4.678	4.173	3.542	1.8	1.89	-0.449	
8/20/08	4:00	4.641	4.145	3.514	1.774	1.878	-0.47	
8/20/08	8:00	4.631	4.141	3.507	1.769	1.883	-0.487	
8/20/08	12:00	4.695	4.176	3.58	1.811	1.951	-0.487	
8/20/08	16:00	4.777	4.222	3.652	1.868	1.995	-0.463	
8/20/08	20:00	4.749	4.215	3.598	1.847	1.932	-0.435	
8/21/08	0:00	4.676	4.173	3.538	1.793	1.888	-0.449	
8/21/08	4:00	4.631	4.136	3.505	1.76	1.871	-0.473	
8/21/08	8:00	4.608	4.115	3.491	1.741	1.867	-0.496	
8/21/08	12:00	4.615	4.115	3.505	1.748	1.874	-0.51	
8/21/08	16:00	4.685	4.15	3.573	1.795	1.913	-0.503	
8/21/08	20:00	4.69	4.155	3.559	1.793	1.897	-0.491	
8/22/08	0:00	4.631	4.129	3.502	1.755	1.867	-0.496	
8/22/08	4:00	4.606	4.111	3.486	1.739	1.86	-0.508	
8/22/08	8:00	4.603	4.111	3.486	1.739	1.857	-0.519	
8/22/08	12:00	4.711	4.178	3.596	1.823	1.962	-0.512	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
8/22/08	16:00	4.81	4.255	3.669	1.898	1.993	-0.468	
8/22/08	20:00	4.798	4.275	3.631	1.893	1.93	-0.426	
8/23/08	0:00	4.76	4.273	3.584	1.872	1.899	-0.424	
8/23/08	4:00	4.756	4.273	3.573	1.868	1.89	-0.431	
8/23/08	8:00	4.765	4.294	3.575	1.877	1.895	-0.433	
8/23/08	12:00	4.826	4.322	3.643	1.919	1.96	-0.424	
8/23/08	16:00	4.878	4.35	3.687	1.954	1.972	-0.398	
8/23/08	20:00	4.847	4.338	3.641	1.922	1.92	-0.382	
8/24/08	0:00	4.786	4.306	3.58	1.879	1.883	-0.393	
8/24/08	4:00	4.751	4.275	3.556	1.854	1.878	-0.417	
8/24/08	8:00	4.751	4.285	3.556	1.854	1.885	-0.428	
8/24/08	12:00	4.824	4.322	3.634	1.905	1.965	-0.431	
8/24/08	16:00	4.896	4.361	3.697	1.959	1.983	-0.405	
8/24/08	20:00	4.871	4.354	3.652	1.933	1.923	-0.377	
8/25/08	0:00	4.803	4.315	3.589	1.886	1.888	-0.391	
8/25/08	4:00	4.763	4.287	3.561	1.858	1.878	-0.414	
8/25/08	8:00	4.744	4.273	3.545	1.844	1.874	-0.433	
8/25/08	12:00	4.831	4.324	3.641	1.91	1.965	-0.433	
8/25/08	16:00	4.899	4.361	3.701	1.957	2	-0.407	
8/25/08	20:00	4.868	4.352	3.648	1.931	1.925	-0.379	
8/26/08	0:00	4.793	4.308	3.582	1.879	1.885	-0.393	
8/26/08	4:00	4.751	4.273	3.547	1.847	1.871	-0.417	
8/26/08	8:00	4.737	4.264	3.54	1.837	1.878	-0.438	
8/26/08	12:00	4.796	4.294	3.605	1.882	1.934	-0.442	
8/26/08	16:00	4.854	4.322	3.659	1.915	1.967	-0.424	
8/26/08	20:00	4.845	4.326	3.631	1.907	1.913	-0.403	
8/27/08	0:00	4.784	4.299	3.573	1.865	1.871	-0.41	
8/27/08	4:00	4.749	4.268	3.545	1.842	1.864	-0.428	
8/27/08	8:00	4.76	4.289	3.566	1.865	1.892	-0.445	
8/27/08	12:00	4.638	4.192	3.439	1.739	1.848	-0.484	
8/27/08	16:00	4.744	4.234	3.563	1.823	1.927	-0.491	
8/27/08	20:00	4.735	4.231	3.542	1.816	1.881	-0.475	
8/28/08	0:00	4.683	4.199	3.505	1.781	1.857	-0.484	
8/28/08	4:00	4.676	4.196	3.507	1.786	1.857	-0.496	
8/28/08	8:00	4.676	4.206	3.502	1.788	1.848	-0.501	
8/28/08	12:00	4.76	4.278	3.577	1.863	1.904	-0.487	
8/28/08	16:00	4.866	4.352	3.664	1.945	1.976	-0.449	
8/28/08	20:00	4.859	4.361	3.627	1.924	1.904	-0.412	
8/29/08	0:00	4.831	4.368	3.591	1.917	1.88	-0.405	
8/29/08	4:00	4.817	4.359	3.573	1.903	1.873	-0.41	
8/29/08	8:00	4.814	4.361	3.573	1.898	1.876	-0.417	
8/29/08	12:00	4.892	4.405	3.657	1.959	1.958	-0.41	
8/29/08	16:00	4.969	4.454	3.725	2.015	2	-0.377	
8/29/08	20:00	4.946	4.447	3.669	1.98	1.92	-0.351	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
8/30/08	0:00	4.896	4.431	3.622	1.952	1.89	-0.358	
8/30/08	4:00	4.859	4.401	3.591	1.922	1.876	-0.375	
8/30/08	8:00	4.859	4.405	3.594	1.926	1.885	-0.389	
8/30/08	12:00	4.936	4.447	3.678	1.98	1.967	-0.386	
8/30/08	16:00	5.007	4.482	3.741	2.032	2.032	-0.356	
8/30/08	20:00	4.974	4.475	3.69	2.006	1.941	-0.325	
8/31/08	0:00	4.91	4.44	3.624	1.957	1.895	-0.339	
8/31/08	4:00	4.873	4.412	3.598	1.926	1.88	-0.361	
8/31/08	8:00	4.857	4.398	3.589	1.917	1.871	-0.384	
8/31/08	12:00	4.925	4.431	3.664	1.966	1.951	-0.389	
8/31/08	16:00	5.002	4.477	3.737	2.022	2.011	-0.363	
8/31/08	20:00	4.976	4.475	3.69	2.001	1.941	-0.337	
9/1/08	0:00	4.917	4.449	3.631	1.966	1.887	-0.344	
9/1/08	4:00	4.88	4.424	3.601	1.936	1.871	-0.365	
9/1/08	8:00	4.868	4.417	3.594	1.929	1.869	-0.382	
9/1/08	12:00	4.941	4.454	3.676	1.978	1.944	-0.386	
9/1/08	16:00	5.03	4.51	3.758	2.05	2.021	-0.356	
9/1/08	20:00	5.004	4.503	3.709	2.025	1.944	-0.321	
9/2/08	0:00	4.943	4.48	3.648	1.985	1.89	-0.33	
9/2/08	4:00	4.903	4.447	3.612	1.95	1.869	-0.351	
9/2/08	8:00	4.925	4.484	3.634	1.987	1.892	-0.363	
9/2/08	12:00	4.976	4.528	3.669	2.029	1.909	-0.354	
9/2/08	16:00	4.955	4.517	3.631	2.006	1.871	-0.346	
9/2/08	20:00	4.969	4.528	3.65	2.006	1.895	-0.349	
9/3/08	0:00	4.974	4.542	3.643	2.013	1.887	-0.344	
9/3/08	4:00	4.969	4.54	3.638	2.006	1.887	-0.342	
9/3/08	8:00	4.967	4.538	3.636	2.004	1.887	-0.346	
9/3/08	12:00	4.997	4.545	3.68	2.022	1.958	-0.346	
9/3/08	16:00	5.03	4.549	3.713	2.039	1.967	-0.33	
9/3/08	20:00	4.995	4.526	3.669	2.006	1.916	-0.321	
9/4/08	0:00	4.941	4.489	3.627	1.968	1.88	-0.335	
9/4/08	4:00	4.913	4.47	3.603	1.945	1.878	-0.354	
9/4/08	8:00	4.892	4.449	3.591	1.931	1.878	-0.372	
9/4/08	12:00	4.925	4.463	3.638	1.959	1.923	-0.379	
9/4/08	16:00	4.993	4.501	3.701	2.008	1.955	-0.365	
9/4/08	20:00	4.993	4.519	3.676	2.011	1.93	-0.337	
9/5/08	0:00	4.946	4.501	3.631	1.982	1.897	-0.337	
9/5/08	4:00	4.932	4.491	3.62	1.968	1.887	-0.349	
9/5/08	8:00	4.939	4.505	3.622	1.978	1.899	-0.354	
9/5/08	12:00	4.978	4.533	3.652	2.006	1.918	-0.351	
9/5/08	16:00	4.993	4.552	3.662	2.018	1.911	-0.342	
9/5/08	20:00	4.988	4.552	3.648	2.011	1.904	-0.337	
9/6/08	0:00	4.969	4.542	3.631	1.992	1.89	-0.339	
9/6/08	4:00	4.95	4.521	3.615	1.975	1.883	-0.346	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
9/6/08	8:00	4.948	4.521	3.622	1.982	1.899	-0.354	
9/6/08	12:00	4.976	4.545	3.638	1.999	1.906	-0.349	
9/6/08	16:00	4.969	4.528	3.634	1.987	1.906	-0.349	
9/6/08	20:00	4.957	4.521	3.62	1.978	1.897	-0.351	
9/7/08	0:00	4.925	4.466	3.552	1.919	1.885	-0.363	
9/7/08	4:00	4.92	4.498	3.575	1.943	1.883	-0.375	
9/7/08	8:00	4.946	4.526	3.601	1.973	1.897	-0.372	
9/7/08	12:00	4.955	4.538	3.605	1.98	1.895	-0.365	
9/7/08	16:00	4.99	4.549	3.641	1.999	1.916	-0.358	
9/7/08	20:00	5.004	4.568	3.648	2.011	1.909	-0.346	
9/8/08	0:00	4.993	4.57	3.631	2.008	1.902	-0.337	
9/8/08	4:00	4.983	4.565	3.627	1.992	1.899	-0.339	
9/8/08	8:00	4.988	4.549	3.577	1.94	1.89	-0.342	
9/8/08	12:00	4.927	4.586	3.535	2.011	1.887	-0.365	
9/8/08	16:00	4.974	4.552	3.61	1.978	1.932	-0.368	
9/8/08	20:00	4.988	4.563	3.615	1.987	1.909	-0.356	
9/9/08	0:00	4.981	4.568	3.61	1.99	1.902	-0.349	
9/9/08	4:00	4.971	4.556	3.605	1.98	1.902	-0.349	
9/9/08	8:00	4.976	4.561	3.61	1.99	1.904	-0.349	
9/9/08	12:00	5.009	4.572	3.652	2.011	1.958	-0.344	
9/9/08	16:00	5.047	4.589	3.694	2.036	1.976	-0.325	
9/9/08	20:00	5.028	4.577	3.662	2.015	1.937	-0.314	
9/10/08	0:00	4.988	4.559	3.622	1.99	1.904	-0.318	
9/10/08	4:00	4.971	4.542	3.615	1.98	1.909	-0.332	
9/10/08	8:00	4.969	4.545	3.615	1.982	1.909	-0.339	
9/10/08	12:00	4.986	4.545	3.636	1.987	1.911	-0.344	
9/10/08	16:00	5.03	4.565	3.678	2.02	1.958	-0.335	
9/10/08	20:00	4.997	4.556	3.638	1.997	1.906	-0.328	
9/11/08	0:00	4.969	4.542	3.615	1.975	1.888	-0.337	
9/11/08	4:00	4.946	4.519	3.591	1.952	1.873	-0.351	
9/11/08	8:00	4.96	4.538	3.605	1.973	1.878	-0.358	
9/11/08	12:00	4.92	4.51	3.533	1.919	1.864	-0.375	
9/11/08	16:00	4.925	4.51	3.545	1.98	1.86	-0.384	
9/11/08	20:00	4.714	4.389	3.287	1.783	1.829	-0.41	
9/12/08	0:00	4.784	4.361	3.451	1.795	1.853	-0.44	
9/12/08	4:00	4.821	4.424	3.491	1.87	1.853	-0.44	
9/12/08	8:00	4.847	4.424	3.514	1.875	1.855	-0.435	
9/12/08	12:00	4.833	4.466	3.474	1.915	1.836	-0.433	
9/12/08	16:00	4.594	4.343	3.294	1.776	1.801	-0.466	
9/12/08	20:00	4.617	4.306	3.355	1.76	1.817	-0.503	
9/13/08	0:00	4.648	4.299	3.39	1.76	1.824	-0.515	
9/13/08	4:00	4.66	4.287	3.404	1.753	1.822	-0.519	
9/13/08	8:00	4.688	4.271	3.425	1.743	1.827	-0.512	
9/13/08	12:00	4.718	4.301	3.456	1.802	1.834	-0.501	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
9/13/08	16:00	4.81	4.357	3.549	1.87	1.895	-0.48	
9/13/08	20:00	4.84	4.398	3.547	1.893	1.869	-0.447	
9/14/08	0:00	4.842	4.419	3.538	1.9	1.855	-0.433	
9/14/08	4:00	4.845	4.424	3.531	1.9	1.843	-0.426	
9/14/08	8:00	4.885	4.463	3.566	1.94	1.869	-0.414	
9/14/08	12:00	4.925	4.503	3.594	1.971	1.89	-0.396	
9/14/08	16:00	4.969	4.545	3.627	2.006	1.92	-0.372	
9/14/08	20:00	5	4.579	3.641	2.029	1.916	-0.344	
9/15/08	0:00	5.004	4.598	3.627	2.032	1.895	-0.33	
9/15/08	4:00	5.009	4.607	3.624	2.032	1.895	-0.323	
9/15/08	8:00	5.021	4.621	3.634	2.041	1.907	-0.316	
9/15/08	12:00	5.054	4.644	3.673	2.067	1.953	-0.311	
9/15/08	16:00	5.086	4.651	3.709	2.081	1.97	-0.293	
9/15/08	20:00	5.075	4.644	3.676	2.06	1.93	-0.281	
9/16/08	0:00	5.058	4.642	3.652	2.05	1.913	-0.286	
9/16/08	4:00	5.035	4.626	3.636	2.032	1.899	-0.295	
9/16/08	8:00	5.03	4.621	3.634	2.027	1.899	-0.304	
9/16/08	12:00	5.079	4.654	3.694	2.069	1.963	-0.304	
9/16/08	16:00	5.122	4.668	3.739	2.097	1.995	-0.283	
9/16/08	20:00	5.103	4.665	3.692	2.074	1.923	-0.265	
9/17/08	0:00	5.07	4.654	3.662	2.053	1.902	-0.274	
9/17/08	4:00	5.056	4.647	3.648	2.046	1.89	-0.286	
9/17/08	8:00	5.056	4.651	3.645	2.046	1.892	-0.295	
9/17/08	12:00	5.119	4.691	3.723	2.102	1.967	-0.293	
9/17/08	16:00	5.168	4.714	3.772	2.135	2.002	-0.262	
9/17/08	20:00	5.145	4.712	3.718	2.107	1.93	-0.241	
9/18/08	0:00	5.11	4.7	3.685	2.086	1.897	-0.253	
9/18/08	4:00	5.093	4.688	3.669	2.076	1.892	-0.267	
9/18/08	8:00	5.089	4.686	3.664	2.072	1.892	-0.276	
9/18/08	12:00	5.143	4.716	3.727	2.114	1.967	-0.276	
9/18/08	16:00	5.187	4.737	3.772	2.142	2	-0.253	
9/18/08	20:00	5.161	4.728	3.727	2.118	1.937	-0.23	
9/19/08	0:00	5.119	4.707	3.687	2.09	1.897	-0.239	
9/19/08	4:00	5.098	4.693	3.669	2.071	1.888	-0.258	
9/19/08	8:00	5.091	4.691	3.666	2.072	1.888	-0.269	
9/19/08	12:00	5.133	4.714	3.72	2.104	1.951	-0.274	
9/19/08	16:00	5.183	4.735	3.762	2.135	1.979	-0.258	
9/19/08	20:00	5.161	4.73	3.723	2.118	1.923	-0.241	
9/20/08	0:00	5.131	4.721	3.692	2.097	1.895	-0.248	
9/20/08	4:00	5.115	4.712	3.678	2.086	1.883	-0.262	
9/20/08	8:00	5.117	4.716	3.676	2.088	1.883	-0.269	
9/20/08	12:00	5.164	4.744	3.732	2.125	1.944	-0.267	
9/20/08	16:00	5.215	4.77	3.786	2.163	1.991	-0.244	
9/20/08	20:00	5.192	4.767	3.739	2.142	1.923	-0.223	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
9/21/08	0:00	5.168	4.763	3.711	2.128	1.893	-0.23	
9/21/08	4:00	5.15	4.751	3.692	2.111	1.886	-0.241	
9/21/08	8:00	5.145	4.751	3.69	2.109	1.883	-0.248	
9/21/08	12:00	5.18	4.77	3.732	2.135	1.935	-0.253	
9/21/08	16:00	5.225	4.784	3.781	2.165	1.977	-0.237	
9/21/08	20:00	5.197	4.774	3.737	2.144	1.918	-0.223	
9/22/08	0:00	5.176	4.772	3.711	2.13	1.89	-0.227	
9/22/08	4:00	5.161	4.763	3.697	2.114	1.886	-0.241	
9/22/08	8:00	5.138	4.753	3.671	2.109	1.869	-0.258	
9/22/08	12:00	5.107	4.721	3.631	2.057	1.865	-0.279	
9/22/08	16:00	5.164	4.742	3.716	2.104	1.946	-0.276	
9/22/08	20:00	5.173	4.756	3.713	2.114	1.911	-0.258	
9/23/08	0:00	5.152	4.753	3.687	2.102	1.876	-0.26	
9/23/08	4:00	5.147	4.751	3.683	2.097	1.869	-0.262	
9/23/08	8:00	5.15	4.758	3.683	2.104	1.874	-0.267	
9/23/08	12:00	5.197	4.786	3.739	2.142	1.939	-0.267	
9/23/08	16:00	5.19	4.726	3.711	2.041	1.902	-0.246	
9/23/08	20:00	5.168	4.777	3.69	2.116	1.876	-0.248	
9/24/08	0:00	5.178	4.791	3.692	2.13	1.879	-0.253	
9/24/08	4:00	5.18	4.795	3.692	2.132	1.874	-0.251	
9/24/08	8:00	5.194	4.816	3.701	2.149	1.879	-0.248	
9/24/08	12:00	5.215	4.832	3.72	2.16	1.9	-0.241	
9/24/08	16:00	5.255	4.844	3.769	2.186	1.946	-0.227	
9/24/08	20:00	5.241	4.842	3.741	2.172	1.902	-0.211	
9/25/08	0:00	5.227	4.842	3.725	2.165	1.883	-0.213	
9/25/08	4:00	5.208	4.825	3.709	2.144	1.874	-0.223	
9/25/08	8:00	5.208	4.828	3.706	2.149	1.879	-0.232	
9/25/08	12:00	5.241	4.842	3.748	2.17	1.935	-0.232	
9/25/08	16:00	5.272	4.846	3.79	2.191	1.975	-0.218	
9/25/08	20:00	5.251	4.839	3.751	2.17	1.916	-0.204	
9/26/08	0:00	5.218	4.823	3.718	2.144	1.881	-0.216	
9/26/08	4:00	5.187	4.798	3.697	2.123	1.872	-0.232	
9/26/08	8:00	5.183	4.795	3.697	2.123	1.874	-0.244	
9/26/08	12:00	5.229	4.821	3.753	2.16	1.951	-0.246	
9/26/08	16:00	5.274	4.839	3.802	2.191	1.998	-0.225	
9/26/08	20:00	5.255	4.837	3.758	2.172	1.918	-0.204	
9/27/08	0:00	5.225	4.828	3.727	2.151	1.883	-0.213	
9/27/08	4:00	5.206	4.816	3.711	2.142	1.867	-0.227	
9/27/08	8:00	5.204	4.821	3.706	2.142	1.872	-0.239	
9/27/08	12:00	5.236	4.849	3.744	2.175	1.904	-0.234	
9/27/08	16:00	5.29	4.879	3.8	2.217	1.956	-0.216	
9/27/08	20:00	5.29	4.89	3.776	2.212	1.914	-0.195	
9/28/08	0:00	5.267	4.886	3.744	2.196	1.881	-0.195	
9/28/08	4:00	5.251	4.874	3.73	2.177	1.872	-0.204	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
9/28/08	8:00	5.251	4.877	3.732	2.179	1.876	-0.213	
9/28/08	12:00	5.272	4.886	3.755	2.196	1.918	-0.216	
9/28/08	16:00	5.309	4.895	3.8	2.219	1.961	-0.202	
9/28/08	20:00	5.272	4.865	3.755	2.177	1.904	-0.197	
9/29/08	0:00	5.229	4.835	3.718	2.146	1.869	-0.211	
9/29/08	4:00	5.241	4.83	3.723	2.121	1.869	-0.218	
9/29/08	8:00	5.274	4.902	3.746	2.2	1.879	-0.216	
9/29/08	12:00	5.307	4.932	3.781	2.235	1.921	-0.206	
9/29/08	16:00	5.342	4.946	3.816	2.254	1.956	-0.185	
9/29/08	20:00	5.335	4.948	3.793	2.245	1.923	-0.169	
9/30/08	0:00	5.312	4.937	3.767	2.224	1.893	-0.171	
9/30/08	4:00	5.302	4.93	3.755	2.214	1.888	-0.181	
9/30/08	8:00	5.302	4.935	3.755	2.219	1.895	-0.185	
9/30/08	12:00	5.323	4.941	3.788	2.233	1.946	-0.188	
9/30/08	16:00	5.347	4.939	3.823	2.24	1.982	-0.176	
9/30/08	20:00	5.323	4.928	3.786	2.219	1.926	-0.164	
10/1/08	0:00	5.286	4.907	3.751	2.196	1.895	-0.178	
10/1/08	4:00	5.272	4.893	3.741	2.184	1.9	-0.195	
10/1/08	8:00	5.29	4.918	3.755	2.21	1.905	-0.199	
10/1/08	12:00	5.342	4.962	3.807	2.254	1.963	-0.188	
10/1/08	16:00	5.37	4.974	3.83	2.268	1.977	-0.167	
10/1/08	20:00	5.356	4.972	3.8	2.252	1.933	-0.155	
10/2/08	0:00	5.326	4.953	3.769	2.226	1.907	-0.162	
10/2/08	4:00	5.307	4.937	3.753	2.212	1.902	-0.174	
10/2/08	8:00	5.297	4.93	3.751	2.207	1.905	-0.183	
10/2/08	12:00	5.319	4.937	3.79	2.226	1.961	-0.188	
10/2/08	16:00	5.337	4.93	3.816	2.231	1.977	-0.178	
10/2/08	20:00	5.316	4.921	3.779	2.212	1.928	-0.169	
10/3/08	0:00	5.297	4.914	3.76	2.203	1.912	-0.178	
10/3/08	4:00	5.29	4.911	3.753	2.198	1.902	-0.188	
10/3/08	8:00	5.295	4.925	3.758	2.21	1.902	-0.19	
10/3/08	12:00	5.349	4.967	3.814	2.254	1.958	-0.183	
10/3/08	16:00	5.389	4.988	3.851	2.282	1.991	-0.157	
10/3/08	20:00	5.377	4.99	3.819	2.266	1.94	-0.141	
10/4/08	0:00	5.37	4.997	3.802	2.266	1.919	-0.143	
10/4/08	4:00	5.356	4.99	3.786	2.254	1.909	-0.148	
10/4/08	8:00	5.347	4.983	3.779	2.242	1.905	-0.157	
10/4/08	12:00	5.37	4.993	3.809	2.261	1.949	-0.159	
10/4/08	16:00	5.387	4.986	3.842	2.268	1.993	-0.152	
10/4/08	20:00	5.363	4.974	3.807	2.245	1.93	-0.141	
10/5/08	0:00	5.351	4.976	3.79	2.242	1.907	-0.15	
10/5/08	4:00	5.33	4.955	3.767	2.224	1.886	-0.164	
10/5/08	8:00	5.326	4.96	3.765	2.221	1.886	-0.176	
10/5/08	12:00	5.356	4.979	3.805	2.247	1.93	-0.178	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
10/5/08	16:00	5.403	5.002	3.856	2.285	2.005	-0.159	
10/5/08	20:00	5.396	5.011	3.828	2.28	1.937	-0.138	
10/6/08	0:00	5.387	5.013	3.812	2.273	1.905	-0.138	
10/6/08	4:00	5.37	5.002	3.79	2.254	1.886	-0.145	
10/6/08	8:00	5.368	5.006	3.786	2.257	1.886	-0.155	
10/6/08	12:00	5.382	5.011	3.805	2.266	1.907	-0.159	
10/6/08	16:00	5.368	4.974	3.748	2.196	1.888	-0.162	
10/6/08	20:00	5.129	4.809	3.549	2.067	1.839	-0.227	
10/7/08	0:00	5.185	4.849	3.641	2.111	1.855	-0.253	
10/7/08	4:00	4.831	4.691	3.402	1.936	1.825	-0.288	
10/7/08	8:00	4.993	4.702	3.535	2.01	1.846	-0.318	
10/7/08	12:00	5.1	4.774	3.617	2.083	1.883	-0.309	
10/7/08	16:00	5.166	4.809	3.673	2.121	1.905	-0.283	
10/7/08	20:00	5.197	4.837	3.683	2.142	1.881	-0.26	
10/8/08	0:00	5.194	4.835	3.673	2.132	1.865	-0.253	
10/8/08	4:00	5.194	4.832	3.676	2.128	1.868	-0.251	
10/8/08	8:00	5.206	4.839	3.685	2.139	1.877	-0.248	
10/8/08	12:00	5.22	4.842	3.711	2.153	1.945	-0.246	
10/8/08	16:00	5.246	4.858	3.744	2.174	1.963	-0.225	
10/8/08	20:00	5.267	4.893	3.741	2.196	1.912	-0.206	
10/9/08	0:00	5.279	4.916	3.734	2.205	1.898	-0.199	
10/9/08	4:00	5.286	4.928	3.732	2.21	1.889	-0.195	
10/9/08	8:00	5.309	4.955	3.748	2.231	1.903	-0.185	
10/9/08	12:00	5.333	4.969	3.779	2.252	1.963	-0.178	
10/9/08	16:00	5.335	4.951	3.79	2.24	1.982	-0.164	
10/9/08	20:00	5.312	4.937	3.76	2.219	1.921	-0.16	
10/10/08	0:00	5.293	4.923	3.741	2.205	1.898	-0.171	
10/10/08	4:00	5.276	4.911	3.725	2.191	1.884	-0.188	
10/10/08	8:00	5.276	4.914	3.727	2.191	1.881	-0.195	
10/10/08	12:00	5.297	4.918	3.753	2.203	1.931	-0.199	
10/10/08	16:00	5.307	4.916	3.774	2.214	1.965	-0.188	
10/10/08	20:00	5.319	4.941	3.767	2.228	1.919	-0.174	
10/11/08	0:00	5.333	4.967	3.765	2.245	1.902	-0.169	
10/11/08	4:00	5.333	4.976	3.76	2.24	1.888	-0.167	
10/11/08	8:00	5.349	4.995	3.772	2.256	1.893	-0.164	
10/11/08	12:00	5.37	5.013	3.788	2.273	1.916	-0.16	
10/11/08	16:00	5.391	5.02	3.814	2.287	1.958	-0.148	
10/11/08	20:00	5.387	5.025	3.795	2.282	1.912	-0.136	
10/12/08	0:00	5.372	5.018	3.779	2.271	1.893	-0.141	
10/12/08	4:00	5.372	5.02	3.779	2.268	1.888	-0.148	
10/12/08	8:00	5.375	5.025	3.776	2.268	1.881	-0.15	
10/12/08	12:00	5.391	5.032	3.79	2.282	1.902	-0.15	
10/12/08	16:00	5.391	5.018	3.802	2.273	1.947	-0.145	
10/12/08	20:00	5.398	5.039	3.802	2.287	1.909	-0.136	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
10/13/08	0:00	5.389	5.034	3.783	2.278	1.881	-0.136	
10/13/08	4:00	5.396	5.02	3.788	2.249	1.884	-0.141	
10/13/08	8:00	4.852	4.73	3.385	1.877	1.832	-0.19	
10/13/08	12:00	4.512	4.503	3.261	1.783	1.807	-0.307	
10/13/08	16:00	4.613	4.422	3.348	1.807	1.821	-0.391	
10/13/08	20:00	4.85	4.549	3.481	1.942	1.853	-0.393	
10/14/08	0:00	4.967	4.64	3.549	2.02	1.863	-0.358	
10/14/08	4:00	5.021	4.677	3.58	2.053	1.865	-0.328	
10/14/08	8:00	5.068	4.714	3.615	2.095	1.884	-0.302	
10/14/08	12:00	5.086	4.726	3.622	2.102	1.884	-0.279	
10/14/08	16:00	5.075	4.707	3.608	2.076	1.868	-0.274	
10/14/08	20:00	4.892	4.663	3.437	1.999	1.84	-0.29	
10/15/08	0:00	4.662	4.401	3.381	1.931	1.833	-0.354	
10/15/08	4:00	4.39	4.243	3.181	1.727	1.803	-0.412	
10/15/08	8:00	4.176	4.002	3.205	1.671	1.817	-0.494	
10/15/08	12:00	4.233	3.957	3.268	1.694	1.845	-0.512	
10/15/08	16:00	4.305	3.995	3.331	1.748	1.891	-0.494	
10/15/08	20:00	4.373	4.048	3.367	1.8	1.877	-0.466	
10/16/08	0:00	4.449	4.106	3.392	1.837	1.873	-0.44	
10/16/08	4:00	4.517	4.143	3.406	1.853	1.876	-0.419	
10/16/08	8:00	4.589	4.185	3.434	1.879	1.885	-0.403	
10/16/08	12:00	4.634	4.213	3.456	1.896	1.927	-0.386	
10/16/08	16:00	4.643	4.208	3.458	1.882	1.915	-0.377	
10/16/08	20:00	4.657	4.215	3.46	1.886	1.903	-0.375	
10/17/08	0:00	4.671	4.236	3.46	1.9	1.894	-0.368	
10/17/08	4:00	4.655	4.213	3.444	1.877	1.885	-0.372	
10/17/08	8:00	4.66	4.185	3.434	1.853	1.88	-0.377	
10/17/08	12:00	4.678	4.241	3.458	1.896	1.901	-0.379	
10/17/08	16:00	4.709	4.268	3.484	1.921	1.913	-0.37	
10/17/08	20:00	4.744	4.31	3.498	1.95	1.908	-0.351	
10/18/08	0:00	4.758	4.329	3.498	1.957	1.901	-0.342	
10/18/08	4:00	4.765	4.338	3.5	1.959	1.897	-0.335	
10/18/08	8:00	4.782	4.357	3.509	1.973	1.904	-0.328	
10/18/08	12:00	4.786	4.361	3.507	1.971	1.899	-0.323	
10/18/08	16:00	4.77	4.329	3.505	1.945	1.92	-0.33	
10/18/08	20:00	4.763	4.324	3.498	1.938	1.903	-0.33	
10/19/08	0:00	4.756	4.317	3.493	1.933	1.892	-0.337	
10/19/08	4:00	4.744	4.308	3.484	1.924	1.887	-0.344	
10/19/08	8:00	4.744	4.306	3.486	1.921	1.89	-0.351	
10/19/08	12:00	4.772	4.326	3.512	1.94	1.927	-0.349	
10/19/08	16:00	4.789	4.333	3.53	1.952	1.955	-0.339	
10/19/08	20:00	4.817	4.378	3.535	1.982	1.912	-0.323	
10/20/08	0:00	4.835	4.408	3.54	1.999	1.896	-0.316	
10/20/08	4:00	4.868	4.447	3.556	2.027	1.905	-0.304	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
10/20/08	8:00	4.908	4.498	3.58	2.062	1.908	-0.286	
10/20/08	12:00	4.953	4.545	3.61	2.097	1.936	-0.267	
10/20/08	16:00	4.967	4.549	3.615	2.092	1.95	-0.251	
10/20/08	20:00	4.976	4.566	3.61	2.102	1.927	-0.241	
10/21/08	0:00	4.976	4.57	3.603	2.097	1.915	-0.241	
10/21/08	4:00	4.976	4.572	3.601	2.092	1.908	-0.239	
10/21/08	8:00	4.969	4.566	3.591	2.081	1.899	-0.244	
10/21/08	12:00	4.957	4.552	3.584	2.062	1.899	-0.248	
10/21/08	16:00	4.901	4.528	3.516	2.048	1.866	-0.267	
10/21/08	20:00	4.835	4.501	3.472	2.024	1.866	-0.302	
10/22/08	0:00	4.821	4.431	3.477	1.964	1.864	-0.323	
10/22/08	4:00	4.406	4.268	3.233	1.788	1.824	-0.37	
10/22/08	8:00	3.841	3.711	3.025	1.476	1.796	-0.501	
10/22/08	12:00	3.876	3.681	3.069	1.507	1.806	-0.59	
10/22/08	16:00	3.895	3.523	3.092	1.434	1.813	-0.625	
10/22/08	20:00	3.94	3.577	3.111	1.413	1.81	-0.632	
10/23/08	0:00	3.811	3.496	3.041	1.373	1.804	-0.655	
10/23/08	4:00	3.825	3.463	3.069	1.354	1.808	-0.671	
10/23/08	8:00	3.893	3.512	3.116	1.481	1.825	-0.662	
10/23/08	12:00	3.958	3.565	3.158	1.525	1.839	-0.641	
10/23/08	16:00	4.017	3.572	3.196	1.535	1.85	-0.62	
10/23/08	20:00	4.05	3.598	3.196	1.528	1.846	-0.601	
10/24/08	0:00	4.097	3.66	3.207	1.582	1.846	-0.587	
10/24/08	4:00	4.111	3.663	3.2	1.579	1.841	-0.585	
10/24/08	8:00	4.148	3.679	3.217	1.584	1.846	-0.583	
10/24/08	12:00	4.146	3.711	3.203	1.621	1.846	-0.576	
10/24/08	16:00	4.176	3.709	3.226	1.603	1.855	-0.573	
10/24/08	20:00	4.214	3.742	3.249	1.628	1.865	-0.562	
10/25/08	0:00	4.235	3.76	3.254	1.638	1.86	-0.552	
10/25/08	4:00	4.24	3.758	3.252	1.631	1.853	-0.55	
10/25/08	8:00	4.259	3.776	3.263	1.64	1.86	-0.548	
10/25/08	12:00	4.27	3.783	3.273	1.645	1.876	-0.543	
10/25/08	16:00	4.282	3.786	3.287	1.643	1.895	-0.541	
10/25/08	20:00	4.31	3.816	3.299	1.668	1.869	-0.531	
10/26/08	0:00	4.32	3.832	3.296	1.671	1.862	-0.526	
10/26/08	4:00	4.397	3.92	3.345	1.739	1.883	-0.503	
10/26/08	8:00	4.47	4.004	3.385	1.809	1.904	-0.473	
10/26/08	12:00	4.535	4.076	3.427	1.86	1.937	-0.438	
10/26/08	16:00	4.585	4.122	3.451	1.891	1.958	-0.41	
10/26/08	20:00	4.631	4.18	3.47	1.924	1.951	-0.377	
10/27/08	0:00	4.653	4.208	3.472	1.928	1.944	-0.354	
10/27/08	4:00	4.664	4.22	3.472	1.928	1.945	-0.344	
10/27/08	8:00	4.692	4.255	3.491	1.954	1.957	-0.332	
10/27/08	12:00	4.718	4.285	3.502	1.971	1.971	-0.318	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
10/27/08	16:00	4.714	4.273	3.498	1.954	1.975	-0.314	
10/27/08	20:00	4.728	4.289	3.507	1.964	1.975	-0.309	
10/28/08	0:00	4.739	4.303	3.512	1.973	1.973	-0.302	
10/28/08	4:00	4.744	4.31	3.509	1.973	1.975	-0.3	
10/28/08	8:00	4.751	4.32	3.514	1.978	1.98	-0.297	
10/28/08	12:00	4.76	4.326	3.516	1.978	1.985	-0.293	
10/28/08	16:00	4.718	4.278	3.493	1.938	1.98	-0.3	
10/28/08	20:00	4.718	4.275	3.495	1.935	1.98	-0.314	
10/29/08	0:00	4.714	4.273	3.488	1.933	1.975	-0.316	
10/29/08	4:00	4.704	4.262	3.481	1.921	1.968	-0.323	
10/29/08	8:00	4.706	4.266	3.479	1.919	1.968	-0.33	
10/29/08	12:00	4.742	4.308	3.505	1.949	1.985	-0.323	
10/29/08	16:00	4.732	4.294	3.495	1.933	1.982	-0.318	
10/29/08	20:00	4.749	4.31	3.505	1.947	1.975	-0.318	
10/30/08	0:00	4.756	4.32	3.505	1.949	1.975	-0.316	
10/30/08	4:00	4.76	4.326	3.505	1.954	1.971	-0.316	
10/30/08	8:00	4.76	4.331	3.505	1.949	1.961	-0.316	
10/30/08	12:00	4.779	4.35	3.519	1.963	1.975	-0.311	
10/30/08	16:00	4.765	4.331	3.507	1.945	1.97	-0.314	
10/30/08	20:00	4.798	4.371	3.528	1.978	1.968	-0.311	
10/31/08	0:00	4.821	4.398	3.54	1.999	1.965	-0.302	
10/31/08	4:00	4.845	4.429	3.552	2.022	1.966	-0.288	
10/31/08	8:00	4.875	4.466	3.563	2.043	1.97	-0.279	
10/31/08	12:00	4.906	4.498	3.58	2.062	1.982	-0.262	
10/31/08	16:00	4.913	4.508	3.582	2.057	1.977	-0.253	
10/31/08	20:00	4.934	4.531	3.591	2.078	1.977	-0.246	
11/1/08	0:00	4.943	4.542	3.591	2.081	1.97	-0.241	
11/1/08	4:00	4.948	4.549	3.591	2.078	1.971	-0.237	
11/1/08	8:00	4.955	4.559	3.594	2.078	1.966	-0.237	
11/1/08	12:00	4.964	4.568	3.596	2.083	1.971	-0.232	
11/1/08	16:00	4.941	4.535	3.58	2.05	1.966	-0.239	
11/1/08	20:00	4.943	4.542	3.582	2.055	1.961	-0.246	
11/2/08	0:00	4.941	4.54	3.58	2.05	1.954	-0.248	
11/2/08	4:00	4.936	4.533	3.575	2.045	1.952	-0.255	
11/2/08	8:00	4.936	4.535	3.575	2.043	1.949	-0.26	
11/2/08	12:00	4.95	4.549	3.584	2.053	1.954	-0.258	
11/2/08	16:00	4.929	4.519	3.57	2.024	1.949	-0.262	
11/2/08	20:00	4.932	4.526	3.568	2.031	1.944	-0.269	
11/3/08	0:00	4.934	4.533	3.566	2.031	1.933	-0.272	
11/3/08	4:00	4.929	4.528	3.561	2.027	1.923	-0.274	
11/3/08	8:00	4.941	4.54	3.566	2.031	1.926	-0.276	
11/3/08	12:00	4.962	4.566	3.58	2.05	1.93	-0.274	
11/3/08	16:00	4.962	4.566	3.584	2.05	1.933	-0.269	
11/3/08	20:00	4.99	4.596	3.601	2.076	1.935	-0.262	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
11/4/08	0:00	5.004	4.614	3.603	2.088	1.928	-0.253	
11/4/08	4:00	5.007	4.619	3.598	2.083	1.916	-0.251	
11/4/08	8:00	5.002	4.612	3.591	2.071	1.909	-0.253	
11/4/08	12:00	4.997	4.605	3.591	2.064	1.914	-0.255	
11/4/08	16:00	4.969	4.566	3.573	2.031	1.911	-0.269	
11/4/08	20:00	4.962	4.563	3.573	2.031	1.904	-0.276	
11/5/08	0:00	4.96	4.566	3.57	2.029	1.895	-0.283	
11/5/08	4:00	4.941	4.54	3.554	2.01	1.888	-0.29	
11/5/08	8:00	4.936	4.538	3.556	2.01	1.886	-0.3	
11/5/08	12:00	4.946	4.545	3.559	2.01	1.876	-0.304	
11/5/08	16:00	4.95	4.552	3.568	2.022	1.883	-0.302	
11/5/08	20:00	4.971	4.586	3.57	2.036	1.881	-0.302	
11/6/08	0:00	5.002	4.617	3.587	2.067	1.886	-0.29	
11/6/08	4:00	5	4.619	3.584	2.055	1.874	-0.283	
11/6/08	8:00	4.99	4.607	3.58	2.045	1.867	-0.283	
11/6/08	12:00	5.014	4.631	3.601	2.074	1.889	-0.281	
11/6/08	16:00	5.03	4.654	3.615	2.085	1.898	-0.274	
11/6/08	20:00	5.079	4.709	3.645	2.144	1.917	-0.248	
11/7/08	0:00	5.11	4.744	3.652	2.158	1.917	-0.227	
11/7/08	4:00	5.11	4.742	3.645	2.144	1.913	-0.22	
11/7/08	8:00	5.11	4.749	3.645	2.144	1.92	-0.218	
11/7/08	12:00	5.126	4.76	3.659	2.16	1.929	-0.209	
11/7/08	16:00	5.143	4.779	3.669	2.174	1.939	-0.199	
11/7/08	20:00	5.171	4.807	3.683	2.198	1.953	-0.185	
11/8/08	0:00	5.178	4.818	3.685	2.2	1.955	-0.174	
11/8/08	4:00	5.187	4.83	3.694	2.205	1.96	-0.169	
11/8/08	8:00	5.201	4.846	3.697	2.221	1.965	-0.162	
11/8/08	12:00	5.227	4.874	3.718	2.242	1.981	-0.145	
11/8/08	16:00	5.234	4.886	3.718	2.245	1.986	-0.136	
11/8/08	20:00	5.255	4.907	3.73	2.263	1.995	-0.124	
11/9/08	0:00	5.269	4.921	3.734	2.268	1.995	-0.117	
11/9/08	4:00	5.276	4.928	3.737	2.27	2	-0.108	
11/9/08	8:00	5.286	4.937	3.746	2.277	2.007	-0.106	
11/9/08	12:00	5.297	4.953	3.751	2.282	2.009	-0.094	
11/9/08	16:00	5.288	4.939	3.741	2.27	2.007	-0.096	
11/9/08	20:00	5.297	4.946	3.748	2.277	2.019	-0.096	
11/10/08	0:00	5.316	4.972	3.765	2.301	2.026	-0.089	
11/10/08	4:00	5.321	4.979	3.765	2.303	2.026	-0.08	
11/10/08	8:00	5.326	4.983	3.765	2.301	2.03	-0.078	
11/10/08	12:00	5.328	4.986	3.765	2.296	2.03	-0.073	
11/10/08	16:00	5.316	4.955	3.746	2.275	2.023	-0.08	
11/10/08	20:00	5.279	4.981	3.68	2.284	2.016	-0.094	
11/11/08	0:00	5.251	4.986	3.666	2.27	2.007	-0.11	
11/11/08	4:00	5.213	4.997	3.648	2.291	2.002	-0.129	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
11/11/08	8:00	5.208	4.958	3.648	2.282	2.012	-0.138	
11/11/08	12:00	5.213	4.997	3.655	2.289	2.014	-0.141	
11/11/08	16:00	5.131	4.928	3.568	2.214	1.995	-0.157	
11/11/08	20:00	5.014	4.814	3.523	2.151	2.002	-0.183	
11/12/08	0:00	5.049	4.754	3.575	2.099	2.014	-0.195	
11/12/08	4:00	5.1	4.791	3.615	2.134	2.019	-0.192	
11/12/08	8:00	5.14	4.821	3.645	2.163	2.028	-0.181	
11/12/08	12:00	5.18	4.853	3.666	2.191	2.033	-0.167	
11/12/08	16:00	5.178	4.844	3.666	2.177	2.026	-0.16	
11/12/08	20:00	5.18	4.844	3.669	2.177	2.024	-0.157	
11/13/08	0:00	5.173	4.828	3.657	2.163	2.012	-0.157	
11/13/08	4:00	5.15	4.802	3.65	2.139	2.007	-0.169	
11/13/08	8:00	5.131	4.781	3.641	2.125	2.002	-0.178	
11/13/08	12:00	5.129	4.772	3.641	2.127	1.998	-0.185	
11/13/08	16:00	5.124	4.772	3.641	2.127	1.995	-0.192	
11/13/08	20:00	5.15	4.786	3.641	2.104	2	-0.188	
11/14/08	0:00	5.164	4.823	3.652	2.163	2.002	-0.181	
11/14/08	4:00	5.187	4.844	3.669	2.179	2.002	-0.171	
11/14/08	8:00	5.227	4.9	3.699	2.223	2.019	-0.153	
11/14/08	12:00	5.281	4.955	3.73	2.273	2.03	-0.127	
11/14/08	16:00	5.316	4.995	3.753	2.296	2.035	-0.101	
11/14/08	20:00	5.354	5.034	3.774	2.331	2.047	-0.08	
11/15/08	0:00	5.382	5.071	3.783	2.355	2.052	-0.057	
11/15/08	4:00	5.405	5.092	3.8	2.366	2.059	-0.04	
11/15/08	8:00	5.417	5.106	3.802	2.369	2.056	-0.033	
11/15/08	12:00	5.433	5.12	3.814	2.376	2.064	-0.024	
11/15/08	16:00	5.419	5.102	3.8	2.355	2.059	-0.024	
11/15/08	20:00	5.426	5.106	3.805	2.359	2.061	-0.022	
11/16/08	0:00	5.403	5.078	3.788	2.336	2.054	-0.029	
11/16/08	4:00	5.37	5.041	3.769	2.306	2.05	-0.04	
11/16/08	8:00	5.363	5.03	3.772	2.303	2.057	-0.054	
11/16/08	12:00	5.405	5.078	3.807	2.35	2.073	-0.045	
11/16/08	16:00	5.419	5.097	3.809	2.359	2.07	-0.036	
11/16/08	20:00	5.447	5.132	3.828	2.388	2.085	-0.019	
11/17/08	0:00	5.469	5.157	3.84	2.409	2.089	-0.003	
11/17/08	4:00	5.49	5.183	3.851	2.427	2.096	0.011	
11/17/08	8:00	5.511	5.206	3.863	2.441	2.101	0.027	
11/17/08	12:00	5.541	5.241	3.879	2.467	2.108	0.044	
11/17/08	16:00	5.546	5.243	3.877	2.458	2.103	0.051	
11/17/08	20:00	5.558	5.257	3.884	2.474	2.108	0.058	
11/18/08	0:00	5.572	5.269	3.891	2.479	2.113	0.065	
11/18/08	4:00	5.579	5.276	3.894	2.479	2.115	0.07	
11/18/08	8:00	5.572	5.264	3.886	2.465	2.111	0.07	
11/18/08	12:00	5.562	5.255	3.877	2.453	2.108	0.067	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
11/18/08	16:00	5.497	5.171	3.828	2.38	2.087	0.042	
11/18/08	20:00	5.452	5.127	3.816	2.352	2.087	0.016	
11/19/08	0:00	5.422	5.088	3.795	2.327	2.078	-0.008	
11/19/08	4:00	5.398	5.062	3.786	2.313	2.076	-0.029	
11/19/08	8:00	5.408	5.076	3.8	2.334	2.085	-0.031	
11/19/08	12:00	5.452	5.127	3.83	2.376	2.099	-0.019	
11/19/08	16:00	5.478	5.167	3.851	2.404	2.108	-0.005	
11/19/08	20:00	5.546	5.239	3.891	2.467	2.124	0.023	
11/20/08	0:00	5.581	5.28	3.903	2.491	2.125	0.049	
11/20/08	4:00	5.605	5.308	3.915	2.507	2.132	0.072	
11/20/08	8:00	5.626	5.334	3.929	2.521	2.134	0.086	
11/20/08	12:00	5.649	5.364	3.94	2.545	2.146	0.102	
11/20/08	16:00	5.659	5.369	3.938	2.537	2.141	0.112	
11/20/08	20:00	5.673	5.385	3.952	2.554	2.148	0.121	
11/21/08	0:00	5.675	5.382	3.947	2.547	2.144	0.126	
11/21/08	4:00	5.68	5.385	3.952	2.549	2.151	0.126	
11/21/08	8:00	5.666	5.369	3.945	2.533	2.149	0.123	
11/21/08	12:00	5.652	5.35	3.933	2.516	2.139	0.119	
11/21/08	16:00	5.612	5.304	3.903	2.474	2.132	0.105	
11/21/08	20:00	5.593	5.28	3.898	2.467	2.137	0.086	
11/22/08	0:00	5.581	5.269	3.886	2.453	2.133	0.079	
11/22/08	4:00	5.562	5.246	3.877	2.439	2.13	0.067	
11/22/08	8:00	5.548	5.232	3.875	2.427	2.13	0.058	
11/22/08	12:00	5.548	5.236	3.879	2.437	2.135	0.053	
11/22/08	16:00	5.555	5.243	3.884	2.441	2.137	0.053	
11/22/08	20:00	5.579	5.269	3.896	2.465	2.139	0.063	
11/23/08	0:00	5.576	5.264	3.889	2.458	2.137	0.065	
11/23/08	4:00	5.565	5.252	3.887	2.446	2.137	0.06	
11/23/08	8:00	5.551	5.239	3.877	2.43	2.133	0.056	
11/23/08	12:00	5.544	5.227	3.87	2.42	2.13	0.049	
11/23/08	16:00	5.525	5.211	3.865	2.409	2.13	0.037	
11/23/08	20:00	5.567	5.257	3.896	2.458	2.146	0.044	
11/24/08	0:00	5.609	5.304	3.919	2.498	2.149	0.063	
11/24/08	4:00	5.633	5.334	3.931	2.512	2.156	0.079	
11/24/08	8:00	5.654	5.357	3.943	2.53	2.158	0.095	
11/24/08	12:00	5.663	5.366	3.943	2.526	2.154	0.105	
11/24/08	16:00	5.642	5.341	3.929	2.505	2.151	0.1	
11/24/08	20:00	5.647	5.345	3.933	2.512	2.153	0.1	
11/25/08	0:00	5.661	5.362	3.943	2.528	2.158	0.102	
11/25/08	4:00	5.666	5.369	3.945	2.53	2.158	0.107	
11/25/08	8:00	5.675	5.378	3.954	2.54	2.161	0.112	
11/25/08	12:00	5.675	5.375	3.947	2.535	2.158	0.116	
11/25/08	16:00	5.637	5.334	3.919	2.491	2.146	0.107	
11/25/08	20:00	5.633	5.331	3.924	2.498	2.154	0.098	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
11/26/08	0:00	5.633	5.329	3.924	2.5	2.151	0.095	
11/26/08	4:00	5.633	5.331	3.929	2.5	2.151	0.093	
11/26/08	8:00	5.647	5.348	3.938	2.516	2.159	0.098	
11/26/08	12:00	5.673	5.373	3.952	2.533	2.161	0.105	
11/26/08	16:00	5.663	5.357	3.94	2.519	2.156	0.1	
11/26/08	20:00	5.661	5.359	3.94	2.519	2.153	0.098	
11/27/08	0:00	5.673	5.369	3.945	2.53	2.156	0.102	
11/27/08	4:00	5.677	5.378	3.952	2.535	2.159	0.107	
11/27/08	8:00	5.684	5.389	3.959	2.542	2.166	0.109	
11/27/08	12:00	5.712	5.422	3.978	2.575	2.173	0.123	
11/27/08	16:00	5.717	5.424	3.973	2.566	2.17	0.13	
11/27/08	20:00	5.724	5.431	3.978	2.575	2.172	0.135	
11/28/08	0:00	5.724	5.429	3.976	2.568	2.17	0.137	
11/28/08	4:00	5.722	5.429	3.973	2.57	2.168	0.137	
11/28/08	8:00	5.717	5.422	3.973	2.563	2.17	0.137	
11/28/08	12:00	5.72	5.424	3.976	2.563	2.173	0.135	
11/28/08	16:00	5.682	5.385	3.947	2.526	2.161	0.123	
11/28/08	20:00	5.68	5.378	3.95	2.528	2.163	0.116	
11/29/08	0:00	5.682	5.38	3.952	2.53	2.163	0.114	
11/29/08	4:00	5.666	5.364	3.936	2.523	2.154	0.107	
11/29/08	8:00	5.644	5.343	3.924	2.54	2.149	0.095	
11/29/08	12:00	5.635	5.329	3.917	2.505	2.152	0.086	
11/29/08	16:00	5.607	5.297	3.898	2.479	2.142	0.074	
11/29/08	20:00	5.614	5.308	3.91	2.474	2.149	0.067	
11/30/08	0:00	5.621	5.315	3.915	2.481	2.149	0.07	
11/30/08	4:00	5.612	5.304	3.908	2.472	2.142	0.067	
11/30/08	8:00	5.616	5.313	3.917	2.481	2.145	0.065	
11/30/08	12:00	5.637	5.338	3.931	2.502	2.152	0.072	
11/30/08	16:00	5.642	5.341	3.931	2.498	2.149	0.077	
11/30/08	20:00	5.673	5.375	3.95	2.528	2.159	0.086	
12/1/08	0:00	5.694	5.399	3.964	2.547	2.164	0.095	
12/1/08	4:00	5.724	5.436	3.98	2.57	2.175	0.107	
12/1/08	8:00	5.745	5.461	3.992	2.601	2.18	0.123	
12/1/08	12:00	5.773	5.496	4.015	2.626	2.189	0.144	
12/1/08	16:00	5.778	5.496	4.006	2.615	2.182	0.151	
12/1/08	20:00	5.778	5.496	4.001	2.608	2.18	0.156	
12/2/08	0:00	5.771	5.482	4.001	2.601	2.18	0.156	
12/2/08	4:00	5.75	5.454	3.985	2.577	2.176	0.149	
12/2/08	8:00	5.71	5.41	3.964	2.54	2.169	0.133	
12/2/08	12:00	5.708	5.408	3.966	2.547	2.171	0.126	
12/2/08	16:00	5.694	5.392	3.954	2.533	2.168	0.114	
12/2/08	20:00	5.698	5.401	3.961	2.54	2.173	0.112	
12/3/08	0:00	5.712	5.42	3.973	2.558	2.178	0.114	
12/3/08	4:00	5.773	5.489	4.015	2.622	2.199	0.135	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
12/3/08	8:00	5.811	5.538	4.034	2.657	2.199	0.158	
12/3/08	12:00	5.858	5.594	4.062	2.699	2.213	0.189	
12/3/08	16:00	5.874	5.612	4.065	2.699	2.206	0.205	
12/3/08	20:00	5.895	5.635	4.076	2.718	2.218	0.221	
12/4/08	0:00	5.912	5.652	4.086	2.725	2.22	0.236	
12/4/08	4:00	5.923	5.666	4.095	2.734	2.225	0.243	
12/4/08	8:00	5.945	5.689	4.109	2.758	2.235	0.257	
12/4/08	12:00	5.975	5.728	4.13	2.788	2.244	0.275	
12/4/08	16:00	5.98	5.726	4.118	2.769	2.23	0.282	
12/4/08	20:00	5.994	5.74	4.13	2.786	2.241	0.287	
12/5/08	0:00	5.991	5.733	4.125	2.779	2.239	0.289	
12/5/08	4:00	5.966	5.703	4.114	2.748	2.23	0.282	
12/5/08	8:00	5.935	5.661	4.093	2.718	2.221	0.271	
12/5/08	12:00	5.898	5.617	4.065	2.68	2.204	0.247	
12/5/08	16:00	5.827	5.533	4.013	2.603	2.183	0.212	
12/5/08	20:00	5.792	5.494	4.004	2.582	2.188	0.186	
12/6/08	0:00	5.776	5.482	4.001	2.587	2.199	0.168	
12/6/08	4:00	5.78	5.494	4.008	2.601	2.202	0.165	
12/6/08	8:00	5.816	5.536	4.034	2.638	2.216	0.172	
12/6/08	12:00	5.879	5.612	4.076	2.699	2.23	0.2	
12/6/08	16:00	5.907	5.638	4.079	2.706	2.225	0.217	
12/6/08	20:00	5.935	5.675	4.097	2.734	2.237	0.235	
12/7/08	0:00	5.949	5.686	4.1	2.739	2.235	0.25	
12/7/08	4:00	5.935	5.666	4.083	2.713	2.225	0.254	
12/7/08	8:00	5.916	5.642	4.081	2.701	2.228	0.25	
12/7/08	12:00	5.891	5.612	4.062	2.676	2.216	0.236	
12/7/08	16:00	5.844	5.556	4.032	2.631	2.206	0.217	
12/7/08	20:00	5.832	5.547	4.032	2.629	2.216	0.2	
12/8/08	0:00	5.823	5.533	4.025	2.617	2.209	0.193	
12/8/08	4:00	5.806	5.519	4.011	2.605	2.209	0.184	
12/8/08	8:00	5.792	5.508	4.006	2.594	2.209	0.175	
12/8/08	12:00	5.778	5.489	3.997	2.582	2.202	0.165	
12/8/08	16:00	5.759	5.468	3.985	2.561	2.202	0.154	
12/8/08	20:00	5.769	5.485	3.999	2.582	2.211	0.154	
12/9/08	0:00	5.806	5.529	4.027	2.624	2.22	0.163	
12/9/08	4:00	5.853	5.584	4.053	2.664	2.23	0.184	
12/9/08	8:00	5.914	5.649	4.09	2.727	2.247	0.214	
12/9/08	12:00	5.975	5.724	4.13	2.776	2.256	0.247	
12/9/08	16:00	5.998	5.751	4.14	2.786	2.254	0.271	
12/9/08	20:00	6.031	5.786	4.161	2.818	2.263	0.292	
12/10/08	0:00	6.048	5.802	4.165	2.826	2.254	0.31	
12/10/08	4:00	6.052	5.802	4.168	2.819	2.247	0.313	
12/10/08	8:00	6.05	5.798	4.165	2.818	2.238	0.303	
12/10/08	12:00	6.048	5.789	4.161	2.807	2.226	0.308	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
12/10/08	16:00	6.005	5.744	4.125	2.76	2.219	0.303	
12/10/08	20:00	6.003	5.742	4.128	2.762	2.233	0.292	
12/11/08	0:00	5.991	5.731	4.121	2.755	2.23	0.282	
12/11/08	4:00	5.982	5.719	4.118	2.748	2.235	0.28	
12/11/08	8:00	5.984	5.721	4.123	2.755	2.245	0.275	
12/11/08	12:00	6.003	5.744	4.132	2.769	2.244	0.28	
12/11/08	16:00	5.996	5.735	4.123	2.76	2.242	0.282	
12/11/08	20:00	6.019	5.765	4.14	2.772	2.256	0.289	
12/12/08	0:00	6.043	5.793	4.154	2.783	2.265	0.301	
12/12/08	4:00	6.059	5.812	4.158	2.816	2.265	0.313	
12/12/08	8:00	6.052	5.8	4.154	2.804	2.263	0.313	
12/12/08	12:00	6.05	5.798	4.151	2.802	2.263	0.315	
12/12/08	16:00	5.996	5.733	4.114	2.744	2.249	0.303	
12/12/08	20:00	5.966	5.698	4.095	2.715	2.249	0.282	
12/13/08	0:00	5.933	5.659	4.079	2.69	2.247	0.264	
12/13/08	4:00	5.886	5.603	4.043	2.643	2.233	0.24	
12/13/08	8:00	5.853	5.566	4.036	2.624	2.235	0.217	
12/13/08	12:00	5.834	5.55	4.029	2.615	2.23	0.203	
12/13/08	16:00	5.808	5.524	4.013	2.591	2.228	0.184	
12/13/08	20:00	5.813	5.531	4.018	2.605	2.235	0.182	
12/14/08	0:00	5.801	5.515	4.008	2.589	2.225	0.175	
12/14/08	4:00	5.794	5.505	4.006	2.587	2.225	0.17	
12/14/08	8:00	5.855	5.589	4.062	2.671	2.256	0.182	
12/14/08	12:00	5.951	5.698	4.118	2.762	2.268	0.224	
12/14/08	16:00	6.001	5.754	4.144	2.795	2.273	0.268	
12/14/08	20:00	6.059	5.826	4.182	2.844	2.28	0.299	
12/15/08	0:00	6.111	5.886	4.219	2.891	2.287	0.338	
12/15/08	4:00	6.158	5.942	4.245	2.929	2.294	0.373	
12/15/08	8:00	6.195	5.981	4.266	2.954	2.297	0.408	
12/15/08	12:00	6.228	6.018	4.287	2.975	2.292	0.42	
12/15/08	16:00	6.242	6.025	4.285	2.968	2.259	0.425	
12/15/08	20:00	6.247	6.025	4.289	2.968	2.269	0.422	
12/16/08	0:00	6.242	6.016	4.289	2.961	2.269	0.411	
12/16/08	4:00	6.219	5.986	4.273	2.933	2.25	0.392	
12/16/08	8:00	6.174	5.932	4.25	2.891	2.243	0.362	
12/16/08	12:00	6.137	5.886	4.226	2.854	2.196	0.315	
12/16/08	16:00	6.092	5.835	4.198	2.809	2.159	0.287	
12/16/08	20:00	6.08	5.83	4.2	2.814	2.154	0.287	
12/17/08	0:00	6.085	5.837	4.2	2.821	2.147	0.294	
12/17/08	4:00	6.101	5.858	4.214	2.837	2.159	0.303	
12/17/08	8:00	6.127	5.884	4.233	2.858	2.161	0.315	
12/17/08	12:00	6.151	5.912	4.245	2.884	2.164	0.32	
12/17/08	16:00	6.139	5.895	4.233	2.856	2.149	0.313	
12/17/08	20:00	6.141	5.898	4.236	2.861	2.166	0.317	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
12/18/08	0:00	6.155	5.916	4.243	2.868	2.177	0.334	
12/18/08	4:00	6.148	5.907	4.243	2.863	2.185	0.336	
12/18/08	8:00	6.158	5.916	4.254	2.879	2.196	0.341	
12/18/08	12:00	6.162	5.919	4.257	2.882	2.194	0.336	
12/18/08	16:00	6.113	5.863	4.217	2.826	2.175	0.301	
12/18/08	20:00	6.085	5.826	4.2	2.797	2.185	0.28	
12/19/08	0:00	6.033	5.765	4.158	2.741	2.168	0.235	
12/19/08	4:00	6.029	5.775	4.182	2.762	2.194	0.259	
12/19/08	8:00	6.097	5.856	4.224	2.84	2.21	0.308	
12/19/08	12:00	6.158	5.928	4.254	2.891	2.222	0.35	
12/19/08	16:00	6.148	5.909	4.229	2.856	2.203	0.329	
12/19/08	20:00	6.165	5.928	4.245	2.875	2.22	0.341	
12/20/08	0:00	6.153	5.912	4.233	2.858	2.222	0.336	
12/20/08	4:00	6.118	5.87	4.21	2.823	2.22	0.315	
12/20/08	8:00	6.137	5.898	4.231	2.851	2.231	0.329	
12/20/08	12:00	6.174	5.946	4.259	2.893	2.248	0.355	
12/20/08	16:00	6.191	5.963	4.266	2.903	2.243	0.366	
12/20/08	20:00	6.223	6	4.285	2.936	2.248	0.385	
12/21/08	0:00	6.247	6.025	4.299	2.957	2.253	0.399	
12/21/08	4:00	6.263	6.044	4.308	2.968	2.252	0.406	
12/21/08	8:00	6.27	6.048	4.315	2.973	2.243	0.406	
12/21/08	12:00	6.284	6.074	4.334	2.99	2.25	0.434	
12/21/08	16:00	6.303	6.088	4.341	3.001	2.243	0.432	
12/21/08	20:00	6.319	6.104	4.348	3.013	2.234	0.439	
12/22/08	0:00	6.329	6.113	4.357	3.02	2.225	0.446	
12/22/08	4:00	6.326	6.104	4.353	3.013	2.218	0.439	
12/22/08	8:00	6.312	6.086	4.343	2.994	2.208	0.415	
12/22/08	12:00	6.296	6.065	4.336	2.98	2.185	0.418	
12/22/08	16:00	6.237	5.995	4.292	2.915	2.152	0.362	
12/22/08	20:00	6.198	5.949	4.275	2.884	2.145	0.336	
12/23/08	0:00	6.155	5.905	4.245	2.837	2.129	0.308	
12/23/08	4:00	6.118	5.856	4.226	2.809	2.112	0.275	
12/23/08	8:00	6.092	5.83	4.217	2.793	2.117	0.268	
12/23/08	12:00	6.09	5.833	4.219	2.8	2.115	0.273	
12/23/08	16:00	6.085	5.828	4.219	2.797	2.119	0.271	
12/23/08	20:00	6.12	5.874	4.245	2.842	2.134	0.28	
12/24/08	0:00	6.162	5.921	4.268	2.879	2.134	0.31	
12/24/08	4:00	6.183	5.944	4.282	2.886	2.134	0.331	
12/24/08	8:00	6.214	5.981	4.303	2.917	2.143	0.35	
12/24/08	12:00	6.256	6.03	4.334	2.957	2.155	0.385	
12/24/08	16:00	6.282	6.058	4.346	2.971	2.154	0.385	
12/24/08	20:00	6.301	6.074	4.348	2.983	2.145	0.397	
12/25/08	0:00	6.317	6.09	4.36	2.997	2.15	0.408	
12/25/08	4:00	6.315	6.086	4.355	2.987	2.14	0.404	

TABLE S1.3 (Cont.)

		Depth to Water (feet below top of casing) in Indicated Wells						
Date	Time	PMW1s	PMW1d	PMW2sa	PMW2d	PMW9s	PMW9d	PMW3d
12/25/08	8:00	6.294	6.06	4.348	2.966	2.131	0.385	
12/25/08	12:00	6.275	6.037	4.336	2.95	2.126	0.378	
12/25/08	16:00	6.212	5.96	4.294	2.877	2.115	0.32	
12/25/08	20:00	6.183	5.928	4.287	2.861	2.124	0.308	
12/26/08	0:00	6.158	5.9	4.268	2.84	2.119	0.301	
12/26/08	4:00	6.143	5.886	4.264	2.833	2.126	0.301	
12/26/08	8:00	6.139	5.881	4.261	2.83	2.124	0.299	
12/26/08	12:00	6.127	5.872	4.24	2.814	2.108	0.289	
12/26/08	16:00	6.052	5.812	4.1	2.706	2.094	0.271	
12/26/08	20:00	5.869	5.758	4.095	2.692	2.138	0.243	
12/27/08	0:00	5.834	5.786	4.137	2.751	2.18	0.24	
12/27/08	4:00	5.883	5.826	4.179	2.795	2.196	0.259	
12/27/08	8:00	5.988	5.87	4.222	2.828	2.199	0.294	
12/27/08	12:00	6.075	5.902	4.243	2.844	2.206	0.313	
12/27/08	16:00	6.108	5.902	4.252	2.847	2.22	0.32	
12/27/08	20:00	6.155	5.942	4.275	2.884	2.231	0.376	
12/28/08	0:00	6.19	5.972	4.289	2.903	2.203	0.392	
12/28/08	4:00	6.214	5.997	4.301	2.922	2.187	0.404	
12/28/08	8:00	6.237	6.021	4.315	2.938	2.171	0.415	
12/28/08	12:00	6.263	6.051	4.334	2.966	2.168	0.425	
12/28/08	16:00	6.268	6.046	4.329	2.954	2.183	0.385	
12/28/08	20:00	6.275	6.055	4.332	2.964	2.201	0.404	
12/29/08	0:00	6.275	6.051	4.329	2.957	2.199	0.415	
12/29/08	4:00	6.268	6.044	4.327	2.947	2.201	0.418	
12/29/08	8:00	6.296	6.086	4.357	2.99	2.215	0.432	
12/29/08	12:00	6.338	6.132	4.376	3.029	2.222	0.453	
12/29/08	16:00	6.345	6.139	4.371	3.02	2.232	0.465	
12/29/08	20:00	6.347	6.139	4.367	3.015	2.246	0.469	
12/30/08	0:00	6.308	6.086	4.336	2.966	2.236	0.462	
12/30/08	4:00	6.256	6.025	4.303	2.915	2.222	0.444	
12/30/08	8:00	6.209	5.967	4.285	2.879	2.218	0.42	
12/30/08	12:00	6.23	6.004	4.315	2.926	2.243	0.415	
12/30/08	16:00	6.282	6.067	4.346	2.973	2.259	0.427	
12/30/08	20:00	6.357	6.16	4.388	3.055	2.295	0.458	
12/31/08	0:00	6.404	6.211	4.407	3.09	2.288	0.509	
12/31/08	4:00	6.434	6.246	4.421	3.107	2.274	0.535	
12/31/08	8:00	6.448	6.257	4.43	3.114	2.253	0.537	
12/31/08	12:00	6.455	6.257	4.432	3.109	2.243	0.558	
12/31/08	16:00	6.399	6.185	4.395	3.041	2.194	0.493	
12/31/08	20:00	6.347	6.123	4.364	2.994	2.18	0.462	

TABLE S1.4 Automatically measured water levels in downgradient wells in 2008.

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/1/08	0:00	7.693	4.231	2.763	4.311	3.423
1/1/08	4:00	7.7	4.243	2.774	4.33	3.437
1/1/08	8:00	7.711	4.259	2.791	4.346	3.493
1/1/08	12:00	7.721	4.276	2.805	4.365	3.531
1/1/08	16:00	7.728	4.278	2.786	4.371	3.528
1/1/08	20:00	7.737	4.287	2.798	4.383	3.545
1/2/08	0:00	7.744	4.299	2.805	4.397	3.573
1/2/08	4:00	7.751	4.311	2.807	4.404	3.596
1/2/08	8:00	7.758	4.325	2.812	4.413	3.622
1/2/08	12:00	7.767	4.336	2.814	4.423	3.643
1/2/08	16:00	7.765	4.32	2.784	4.399	3.612
1/2/08	20:00	7.758	4.306	2.779	4.388	3.577
1/3/08	0:00	7.749	4.308	2.781	4.381	3.601
1/3/08	4:00	7.735	4.299	2.777	4.362	3.612
1/3/08	8:00	7.716	4.283	2.767	4.339	3.615
1/3/08	12:00	7.714	4.283	2.902	4.332	3.617
1/3/08	16:00	7.704	4.262	2.725	4.306	3.557
1/3/08	20:00	7.7	4.25	2.716	4.297	3.508
1/4/08	0:00	7.693	4.234	2.714	4.285	3.473
1/4/08	4:00	7.686	4.217	2.709	4.278	3.449
1/4/08	8:00	7.679	4.215	2.714	4.274	3.445
1/4/08	12:00	7.677	4.213	2.714	4.271	3.452
1/4/08	16:00	7.667	4.194	2.7	4.257	3.421
1/4/08	20:00	7.663	4.187	2.702	4.255	3.396
1/5/08	0:00	7.653	4.171	2.697	4.243	3.368
1/5/08	4:00	7.646	4.161	2.7	4.236	3.347
1/5/08	8:00	7.642	4.159	2.702	4.234	3.351
1/5/08	12:00	7.642	4.164	2.7	4.232	3.368
1/5/08	16:00	7.632	4.147	2.69	4.22	3.34
1/5/08	20:00	7.63	4.138	2.693	4.218	3.307
1/6/08	0:00	7.623	4.129	2.686	4.208	3.279
1/6/08	4:00	7.621	4.133	2.69	4.213	3.263
1/6/08	8:00	7.63	4.147	2.7	4.227	3.263
1/6/08	12:00	7.644	4.164	2.704	4.241	3.267
1/6/08	16:00	7.649	4.152	2.702	4.243	3.235
1/6/08	20:00	7.649	4.124	2.709	4.246	3.176
1/7/08	0:00	7.639	4.115	2.716	4.241	3.174
1/7/08	4:00	7.632	4.117	2.728	4.246	3.19
1/7/08	8:00	7.621	4.103	2.721	4.234	3.193
1/7/08	12:00	7.625	4.105	2.723	4.241	3.202
1/7/08	16:00	7.621	4.042	2.711	4.234	3.072
1/7/08	20:00	7.609	3.993	2.725	4.236	2.967
1/8/08	0:00	7.597	4.014	2.73	4.236	3.004
1/8/08	4:00	7.595	4.033	2.728	4.236	3.051
1/8/08	8:00	7.611	4.066	2.742	4.264	3.097
1/8/08	12:00	7.623	4.082	2.749	4.278	3.13
1/8/08	16:00	7.635	4.08	2.749	4.288	3.093
1/8/08	20:00	7.639	4.061	2.756	4.295	3.039
1/9/08	0:00	7.644	4.08	2.758	4.299	3.095

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/9/08	4:00	7.639	4.091	2.753	4.292	3.144
1/9/08	8:00	7.632	4.098	2.749	4.285	3.195
1/9/08	12:00	7.639	4.112	2.749	4.288	3.233
1/9/08	16:00	7.618	4.089	2.735	4.26	3.207
1/9/08	20:00	7.618	4.084	2.742	4.264	3.17
1/10/08	0:00	7.618	4.087	2.744	4.264	3.167
1/10/08	4:00	7.614	4.087	2.742	4.255	3.17
1/10/08	8:00	7.614	4.089	2.742	4.255	3.172
1/10/08	12:00	7.616	4.098	2.744	4.26	3.177
1/10/08	16:00	7.616	4.096	2.742	4.262	3.151
1/10/08	20:00	7.63	4.098	2.746	4.271	3.135
1/11/08	0:00	7.637	4.112	2.749	4.278	3.172
1/11/08	4:00	7.642	4.129	2.753	4.281	3.244
1/11/08	8:00	7.644	4.15	2.758	4.283	3.321
1/11/08	12:00	7.656	4.168	2.756	4.288	3.377
1/11/08	16:00	7.651	4.159	2.744	4.278	3.34
1/11/08	20:00	7.66	4.159	2.751	4.29	3.307
1/12/08	0:00	7.667	4.166	2.753	4.299	3.298
1/12/08	4:00	7.681	4.18	2.763	4.313	3.326
1/12/08	8:00	7.695	4.201	2.774	4.334	3.384
1/12/08	12:00	7.714	4.22	2.781	4.351	3.403
1/12/08	16:00	7.718	4.217	2.774	4.353	3.379
1/12/08	20:00	7.73	4.222	2.781	4.367	3.368
1/13/08	0:00	7.737	4.229	2.784	4.369	3.382
1/13/08	4:00	7.739	4.245	2.793	4.376	3.445
1/13/08	8:00	7.746	4.257	2.795	4.381	3.464
1/13/08	12:00	7.753	4.262	2.793	4.383	3.48
1/13/08	16:00	7.737	4.238	2.774	4.36	3.431
1/13/08	20:00	7.746	4.243	2.781	4.376	3.398
1/14/08	0:00	7.76	4.252	2.788	4.393	3.387
1/14/08	4:00	7.765	4.266	2.798	4.399	3.431
1/14/08	8:00	7.772	4.287	2.812	4.414	3.503
1/14/08	12:00	7.784	4.306	2.821	4.427	3.536
1/14/08	16:00	7.781	4.292	2.8	4.416	3.501
1/14/08	20:00	7.784	4.292	2.805	4.416	3.492
1/15/08	0:00	7.784	4.306	2.816	4.418	3.552
1/15/08	4:00	7.777	4.313	2.814	4.409	3.583
1/15/08	8:00	7.765	4.311	2.809	4.395	3.599
1/15/08	12:00	7.76	4.304	2.793	4.379	3.599
1/15/08	16:00	7.737	4.271	2.756	4.341	3.536
1/15/08	20:00	7.732	4.255	2.753	4.334	3.485
1/16/08	0:00	7.728	4.246	2.751	4.327	3.445
1/16/08	4:00	7.742	4.255	2.763	4.348	3.44
1/16/08	8:00	7.758	4.271	2.772	4.372	3.454
1/16/08	12:00	7.777	4.281	2.774	4.39	3.454
1/16/08	16:00	7.779	4.273	2.767	4.386	3.431
1/16/08	20:00	7.784	4.273	2.772	4.397	3.419
1/17/08	0:00	7.784	4.267	2.77	4.397	3.412
1/17/08	4:00	7.772	4.257	2.765	4.39	3.403
1/17/08	8:00	7.76	4.245	2.76	4.381	3.394

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/17/08	12:00	7.765	4.25	2.765	4.386	3.401
1/17/08	16:00	7.753	4.232	2.756	4.367	3.389
1/17/08	20:00	7.751	4.234	2.761	4.369	3.384
1/18/08	0:00	7.753	4.234	2.763	4.367	3.396
1/18/08	4:00	7.753	4.238	2.767	4.374	3.417
1/18/08	8:00	7.772	4.257	2.779	4.397	3.436
1/18/08	12:00	7.8	4.29	2.796	4.437	3.452
1/18/08	16:00	7.805	4.28	2.788	4.437	3.44
1/18/08	20:00	7.814	4.288	2.796	4.451	3.433
1/19/08	0:00	7.823	4.297	2.807	4.467	3.447
1/19/08	4:00	7.826	4.292	2.805	4.465	3.468
1/19/08	8:00	7.826	4.304	2.814	4.472	3.503
1/19/08	12:00	7.835	4.323	2.819	4.483	3.543
1/19/08	16:00	7.828	4.313	2.805	4.465	3.529
1/19/08	20:00	7.83	4.313	2.805	4.467	3.508
1/20/08	0:00	7.835	4.325	2.812	4.472	3.531
1/20/08	4:00	7.84	4.337	2.821	4.479	3.562
1/20/08	8:00	7.847	4.344	2.823	4.486	3.566
1/20/08	12:00	7.854	4.348	2.821	4.495	3.562
1/20/08	16:00	7.84	4.327	2.805	4.469	3.52
1/20/08	20:00	7.849	4.339	2.814	4.486	3.496
1/21/08	0:00	7.847	4.327	2.802	4.476	3.475
1/21/08	4:00	7.833	4.318	2.8	4.462	3.466
1/21/08	8:00	7.826	4.318	2.798	4.455	3.468
1/21/08	12:00	7.823	4.323	2.796	4.451	3.478
1/21/08	16:00	7.816	4.311	2.786	4.437	3.457
1/21/08	20:00	7.828	4.325	2.796	4.455	3.452
1/22/08	0:00	7.851	4.341	2.803	4.479	3.454
1/22/08	4:00	7.863	4.351	2.807	4.493	3.466
1/22/08	8:00	7.863	4.351	2.809	4.495	3.487
1/22/08	12:00	7.863	4.351	2.807	4.488	3.513
1/22/08	16:00	7.847	4.339	2.793	4.467	3.501
1/22/08	20:00	7.84	4.332	2.791	4.46	3.485
1/23/08	0:00	7.833	4.33	2.789	4.453	3.482
1/23/08	4:00	7.83	4.33	2.793	4.448	3.496
1/23/08	8:00	7.83	4.337	2.796	4.451	3.515
1/23/08	12:00	7.849	4.358	2.802	4.472	3.527
1/23/08	16:00	7.861	4.362	2.805	4.481	3.511
1/23/08	20:00	7.879	4.372	2.81	4.504	3.499
1/24/08	0:00	7.886	4.374	2.814	4.511	3.494
1/24/08	4:00	7.889	4.379	2.821	4.516	3.524
1/24/08	8:00	7.893	4.388	2.826	4.525	3.569
1/24/08	12:00	7.9	4.402	2.831	4.535	3.601
1/24/08	16:00	7.896	4.393	2.817	4.518	3.585
1/24/08	20:00	7.893	4.393	2.814	4.514	3.559
1/25/08	0:00	7.896	4.39	2.812	4.511	3.552
1/25/08	4:00	7.884	4.383	2.805	4.495	3.557
1/25/08	8:00	7.872	4.374	2.807	4.488	3.55
1/25/08	12:00	7.868	4.367	2.8	4.479	3.539
1/25/08	16:00	7.856	4.353	2.789	4.46	3.506

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/25/08	20:00	7.856	4.353	2.789	4.463	3.485
1/26/08	0:00	7.856	4.348	2.786	4.456	3.459
1/26/08	4:00	7.849	4.344	2.786	4.453	3.445
1/26/08	8:00	7.854	4.348	2.791	4.458	3.455
1/26/08	12:00	7.87	4.365	2.8	4.476	3.473
1/26/08	16:00	7.868	4.358	2.793	4.472	3.45
1/26/08	20:00	7.877	4.355	2.793	4.472	3.41
1/27/08	0:00	7.875	4.348	2.793	4.467	3.399
1/27/08	4:00	7.87	4.344	2.793	4.463	3.392
1/27/08	8:00	7.87	4.344	2.793	4.465	3.387
1/27/08	12:00	7.865	4.339	2.791	4.46	3.389
1/27/08	16:00	7.84	4.255	2.756	4.407	3.256
1/27/08	20:00	7.805	4.183	2.749	4.348	3.116
1/28/08	0:00	7.781	4.197	2.747	4.33	3.13
1/28/08	4:00	7.763	4.19	2.74	4.309	3.135
1/28/08	8:00	7.742	4.157	2.73	4.279	3.093
1/28/08	12:00	7.714	4.087	2.709	4.234	3.035
1/28/08	16:00	7.525	3.359	2.667	4.13	2.561
1/28/08	20:00	7.227	3.319	2.677	4.097	2.482
1/29/08	0:00	7.159	3.517	2.698	4.116	2.543
1/29/08	4:00	7.166	3.648	2.714	4.153	2.615
1/29/08	8:00	7.22	3.758	2.744	4.216	2.704
1/29/08	12:00	7.269	3.816	2.737	4.251	2.799
1/29/08	16:00	7.311	3.87	2.749	4.283	2.89
1/29/08	20:00	7.357	3.919	2.765	4.323	2.979
1/30/08	0:00	7.392	3.961	2.775	4.348	3.074
1/30/08	4:00	7.418	3.998	2.782	4.369	3.191
1/30/08	8:00	7.446	4.04	2.786	4.388	3.296
1/30/08	12:00	7.476	4.075	2.784	4.407	3.364
1/30/08	16:00	7.483	4.082	2.777	4.407	3.364
1/30/08	20:00	7.513	4.108	2.791	4.432	3.387
1/31/08	0:00	7.539	4.138	2.8	4.453	3.448
1/31/08	4:00	7.56	4.162	2.807	4.467	3.494
1/31/08	8:00	7.583	4.192	2.821	4.486	3.534
1/31/08	12:00	7.607	4.218	2.824	4.493	3.567
1/31/08	16:00	7.616	4.213	2.8	4.477	3.539
1/31/08	20:00	7.628	4.218	2.786	4.481	3.504
2/1/08	0:00	7.637	4.227	2.796	4.474	3.522
2/1/08	4:00	7.646	4.255	2.821	4.484	3.585
2/1/08	8:00	7.656	4.271	2.835	4.481	3.618
2/1/08	12:00	7.67	4.288	2.831	4.486	3.641
2/1/08	16:00	7.667	4.269	2.8	4.456	3.595
2/1/08	20:00	7.677	4.236	2.791	4.456	3.546
2/2/08	0:00	7.684	4.246	2.775	4.446	3.504
2/2/08	4:00	7.691	4.257	2.768	4.444	3.471
2/2/08	8:00	7.702	4.271	2.777	4.456	3.462
2/2/08	12:00	7.718	4.288	2.784	4.474	3.483
2/2/08	16:00	7.725	4.278	2.791	4.479	3.485
2/2/08	20:00	7.735	4.257	2.796	4.481	3.462
2/3/08	0:00	7.742	4.248	2.791	4.477	3.445

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
2/3/08	4:00	7.744	4.239	2.786	4.47	3.438
2/3/08	8:00	7.746	4.241	2.782	4.463	3.462
2/3/08	12:00	7.749	4.234	2.777	4.458	3.478
2/3/08	16:00	7.732	4.213	2.763	4.435	3.448
2/3/08	20:00	7.732	4.211	2.77	4.435	3.413
2/4/08	0:00	7.732	4.206	2.763	4.421	3.394
2/4/08	4:00	7.709	4.183	2.747	4.39	3.366
2/4/08	8:00	7.709	4.185	2.756	4.39	3.354
2/4/08	12:00	7.723	4.199	2.765	4.402	3.35
2/4/08	16:00	7.732	4.187	2.754	4.402	3.296
2/4/08	20:00	7.746	4.183	2.768	4.423	3.212
2/5/08	0:00	7.758	4.204	2.772	4.432	3.238
2/5/08	4:00	7.765	4.22	2.789	4.456	3.27
2/5/08	8:00	7.772	4.22	2.777	4.451	3.282
2/5/08	12:00	7.772	4.215	2.77	4.446	3.285
2/5/08	16:00	7.763	4.211	2.77	4.435	3.282
2/5/08	20:00	7.774	4.222	2.777	4.449	3.292
2/6/08	0:00	7.774	4.218	2.77	4.444	3.294
2/6/08	4:00	7.772	4.213	2.772	4.437	3.294
2/6/08	8:00	7.774	4.218	2.775	4.437	3.296
2/6/08	12:00	7.784	4.225	2.782	4.444	3.306
2/6/08	16:00	7.781	4.218	2.77	4.437	3.301
2/6/08	20:00	7.788	4.227	2.779	4.453	3.31
2/7/08	0:00	7.793	4.229	2.779	4.456	3.315
2/7/08	4:00	7.791	4.222	2.772	4.444	3.315
2/7/08	8:00	7.793	4.229	2.779	4.446	3.32
2/7/08	12:00	7.8	4.239	2.779	4.456	3.334
2/7/08	16:00	7.788	4.225	2.768	4.442	3.334
2/7/08	20:00	7.791	4.229	2.77	4.442	3.34
2/8/08	0:00	7.784	4.22	2.763	4.428	3.336
2/8/08	4:00	7.774	4.213	2.763	4.423	3.338
2/8/08	8:00	7.777	4.222	2.772	4.428	3.348
2/8/08	12:00	7.8	4.241	2.777	4.446	3.368
2/8/08	16:00	7.8	4.241	2.772	4.446	3.364
2/8/08	20:00	7.807	4.222	2.775	4.449	3.268
2/9/08	0:00	7.807	4.225	2.772	4.451	3.294
2/9/08	4:00	7.809	4.229	2.775	4.451	3.31
2/9/08	8:00	7.814	4.246	2.784	4.465	3.331
2/9/08	12:00	7.828	4.267	2.798	4.493	3.364
2/9/08	16:00	7.847	4.276	2.805	4.514	3.38
2/9/08	20:00	7.858	4.285	2.814	4.533	3.378
2/10/08	0:00	7.872	4.292	2.824	4.544	3.39
2/10/08	4:00	7.882	4.302	2.826	4.56	3.413
2/10/08	8:00	7.893	4.316	2.838	4.579	3.476
2/10/08	12:00	7.91	4.339	2.847	4.6	3.551
2/10/08	16:00	7.91	4.339	2.838	4.593	3.562
2/10/08	20:00	7.91	4.334	2.842	4.591	3.572
2/11/08	0:00	7.912	4.344	2.842	4.586	3.616
2/11/08	4:00	7.91	4.355	2.849	4.579	3.658
2/11/08	8:00	7.907	4.365	2.863	4.572	3.688

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
2/11/08	12:00	7.914	4.372	2.854	4.565	3.704
2/11/08	16:00	7.912	4.36	2.842	4.549	3.679
2/11/08	20:00	7.926	4.36	2.847	4.565	3.651
2/12/08	0:00	7.933	4.402	2.859	4.572	3.658
2/12/08	4:00	7.94	4.418	2.863	4.572	3.684
2/12/08	8:00	7.945	4.43	2.87	4.581	3.705
2/12/08	12:00	7.954	4.446	2.875	4.588	3.726
2/12/08	16:00	7.952	4.442	2.852	4.572	3.707
2/12/08	20:00	7.956	4.446	2.856	4.579	3.684
2/13/08	0:00	7.959	4.446	2.859	4.568	3.7
2/13/08	4:00	7.961	4.453	2.863	4.563	3.728
2/13/08	8:00	7.956	4.453	2.861	4.558	3.733
2/13/08	12:00	7.963	4.453	2.852	4.556	3.742
2/13/08	16:00	7.94	4.414	2.812	4.519	3.677
2/13/08	20:00	7.917	4.348	2.791	4.493	3.56
2/14/08	0:00	7.91	4.355	2.789	4.479	3.544
2/14/08	4:00	7.917	4.374	2.796	4.491	3.534
2/14/08	8:00	7.921	4.376	2.793	4.488	3.52
2/14/08	12:00	7.945	4.397	2.814	4.516	3.516
2/14/08	16:00	7.966	4.418	2.826	4.547	3.518
2/14/08	20:00	7.977	4.432	2.84	4.575	3.523
2/15/08	0:00	7.989	4.437	2.856	4.595	3.537
2/15/08	4:00	7.996	4.451	2.882	4.612	3.595
2/15/08	8:00	8	4.463	2.912	4.635	3.679
2/15/08	12:00	8.014	4.481	2.929	4.654	3.737
2/15/08	16:00	8.012	4.467	2.905	4.642	3.737
2/15/08	20:00	8.007	4.453	2.894	4.63	3.707
2/16/08	0:00	8.007	4.442	2.882	4.614	3.677
2/16/08	4:00	8	4.435	2.884	4.602	3.677
2/16/08	8:00	7.993	4.439	2.896	4.598	3.709
2/16/08	12:00	7.989	4.428	2.88	4.577	3.735
2/16/08	16:00	7.968	4.383	2.854	4.544	3.693
2/16/08	20:00	7.945	4.299	2.826	4.514	3.588
2/17/08	0:00	7.928	4.302	2.805	4.488	3.544
2/17/08	4:00	7.912	4.297	2.791	4.463	3.513
2/17/08	8:00	7.905	4.304	2.791	4.449	3.495
2/17/08	12:00	7.919	4.325	2.803	4.472	3.492
2/17/08	16:00	7.933	4.267	2.786	4.47	3.392
2/17/08	20:00	7.933	4.276	2.8	4.474	3.117
2/18/08	0:00	7.928	4.304	2.798	4.465	3.135
2/18/08	4:00	7.94	4.332	2.807	4.477	3.212
2/18/08	8:00	7.942	4.339	2.807	4.477	3.271
2/18/08	12:00	7.959	4.346	2.812	4.493	3.317
2/18/08	16:00	7.968	4.365	2.819	4.512	3.352
2/18/08	20:00	7.979	4.379	2.835	4.533	3.385
2/19/08	0:00	7.989	4.381	2.835	4.542	3.411
2/19/08	4:00	7.993	4.395	2.854	4.554	3.457
2/19/08	8:00	7.993	4.416	2.875	4.561	3.541
2/19/08	12:00	7.998	4.437	2.891	4.565	3.616
2/19/08	16:00	7.986	4.409	2.877	4.554	3.635

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
2/19/08	20:00	7.998	4.381	2.875	4.565	3.553
2/20/08	0:00	8.017	4.395	2.887	4.596	3.553
2/20/08	4:00	8.026	4.397	2.877	4.605	3.562
2/20/08	8:00	8.035	4.423	2.919	4.635	3.618
2/20/08	12:00	8.047	4.479	2.957	4.67	3.709
2/20/08	16:00	8.049	4.505	2.957	4.668	3.744
2/20/08	20:00	8.054	4.509	2.961	4.672	3.747
2/21/08	0:00	8.054	4.533	2.964	4.665	3.763
2/21/08	4:00	8.054	4.579	2.964	4.658	3.789
2/21/08	8:00	8.052	4.598	2.959	4.651	3.805
2/21/08	12:00	8.061	4.617	2.95	4.656	3.824
2/21/08	16:00	8.059	4.619	2.926	4.633	3.819
2/21/08	20:00	8.059	4.624	2.91	4.626	3.8
2/22/08	0:00	8.061	4.628	2.898	4.621	3.793
2/22/08	4:00	8.061	4.633	2.891	4.619	3.803
2/22/08	8:00	8.063	4.642	2.903	4.626	3.819
2/22/08	12:00	8.075	4.649	2.903	4.635	3.838
2/22/08	16:00	8.07	4.619	2.894	4.624	3.821
2/22/08	20:00	8.068	4.565	2.891	4.612	3.77
2/23/08	0:00	8.068	4.551	2.887	4.605	3.73
2/23/08	4:00	8.066	4.533	2.873	4.596	3.695
2/23/08	8:00	8.059	4.528	2.861	4.584	3.679
2/23/08	12:00	8.068	4.563	2.88	4.596	3.695
2/23/08	16:00	8.066	4.535	2.866	4.584	3.63
2/23/08	20:00	8.054	4.505	2.873	4.577	3.348
2/24/08	0:00	8.056	4.519	2.877	4.579	3.315
2/24/08	4:00	8.054	4.512	2.873	4.577	3.35
2/24/08	8:00	8.047	4.493	2.863	4.568	3.378
2/24/08	12:00	8.042	4.479	2.859	4.568	3.401
2/24/08	16:00	8.031	4.444	2.838	4.54	3.257
2/24/08	20:00	7.993	4.358	2.84	4.519	3.019
2/25/08	0:00	7.975	4.39	2.842	4.509	3.084
2/25/08	4:00	7.959	4.393	2.833	4.493	3.142
2/25/08	8:00	7.949	4.397	2.838	4.486	3.196
2/25/08	12:00	7.951	4.404	2.842	4.488	3.233
2/25/08	16:00	7.961	4.351	2.838	4.491	3.073
2/25/08	20:00	7.965	4.362	2.87	4.523	3.033
2/26/08	0:00	7.977	4.4	2.884	4.558	3.119
2/26/08	4:00	7.993	4.421	2.889	4.575	3.187
2/26/08	8:00	8.005	4.435	2.896	4.596	3.252
2/26/08	12:00	8.024	4.437	2.898	4.612	3.296
2/26/08	16:00	8.026	4.435	2.898	4.61	3.317
2/26/08	20:00	8.019	4.435	2.901	4.603	3.331
2/27/08	0:00	8.017	4.428	2.903	4.598	3.348
2/27/08	4:00	8.014	4.421	2.905	4.596	3.362
2/27/08	8:00	8.021	4.428	2.905	4.6	3.378
2/27/08	12:00	8.028	4.442	2.908	4.605	3.394
2/27/08	16:00	8.021	4.428	2.894	4.584	3.233
2/27/08	20:00	8.012	4.418	2.896	4.57	3.168
2/28/08	0:00	8.003	4.428	2.901	4.568	3.205

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
2/28/08	4:00	7.998	4.425	2.901	4.561	3.261
2/28/08	8:00	7.989	4.418	2.894	4.549	3.296
2/28/08	12:00	7.991	4.421	2.894	4.551	3.329
2/28/08	16:00	7.982	4.409	2.88	4.535	3.31
2/28/08	20:00	7.982	4.395	2.88	4.53	3.161
2/29/08	0:00	7.982	4.402	2.889	4.537	3.163
2/29/08	4:00	7.993	4.416	2.905	4.558	3.212
2/29/08	8:00	8.019	4.442	2.924	4.589	3.278
2/29/08	12:00	8.033	4.449	2.924	4.605	3.313
2/29/08	16:00	8.012	4.285	2.901	4.572	2.991
2/29/08	20:00	7.931	4.197	2.908	4.554	2.797
3/1/08	0:00	7.905	4.248	2.91	4.551	2.911
3/1/08	4:00	7.896	4.276	2.903	4.542	3.028
3/1/08	8:00	7.889	4.285	2.894	4.523	3.1
3/1/08	12:00	7.884	4.285	2.884	4.51	3.093
3/1/08	16:00	7.816	4.038	2.868	4.47	2.702
3/1/08	20:00	7.746	3.97	2.866	4.44	2.615
3/2/08	0:00	7.716	4.029	2.866	4.428	2.718
3/2/08	4:00	7.698	4.05	2.852	4.407	2.799
3/2/08	8:00	7.688	4.066	2.845	4.393	2.867
3/2/08	12:00	7.695	4.057	2.852	4.419	2.832
3/2/08	16:00	7.693	4.047	2.859	4.437	2.802
3/2/08	20:00	7.67	3.818	2.842	4.414	2.606
3/3/08	0:00	7.651	3.912	2.859	4.449	2.688
3/3/08	4:00	7.646	3.98	2.866	4.472	2.807
3/3/08	8:00	7.67	4.045	2.88	4.517	2.944
3/3/08	12:00	7.707	4.101	2.901	4.551	3.049
3/3/08	16:00	7.718	4.08	2.882	4.542	2.949
3/3/08	20:00	7.723	4.087	2.891	4.549	2.951
3/4/08	0:00	7.737	4.113	2.889	4.549	3.056
3/4/08	4:00	7.746	4.141	2.887	4.549	3.135
3/4/08	8:00	7.76	4.166	2.882	4.551	3.198
3/4/08	12:00	7.774	4.19	2.877	4.547	3.238
3/4/08	16:00	7.774	4.171	2.866	4.519	3.208
3/4/08	20:00	7.781	4.18	2.875	4.519	3.205
3/5/08	0:00	7.791	4.192	2.88	4.526	3.233
3/5/08	4:00	7.798	4.194	2.875	4.519	3.252
3/5/08	8:00	7.816	4.22	2.894	4.549	3.289
3/5/08	12:00	7.842	4.241	2.905	4.577	3.313
3/5/08	16:00	7.861	4.239	2.898	4.586	3.299
3/5/08	20:00	7.875	4.25	2.91	4.598	3.303
3/6/08	0:00	7.889	4.269	2.91	4.61	3.334
3/6/08	4:00	7.898	4.297	2.901	4.61	3.357
3/6/08	8:00	7.907	4.33	2.903	4.624	3.39
3/6/08	12:00	7.924	4.36	2.905	4.631	3.406
3/6/08	16:00	7.921	4.306	2.898	4.603	3.369
3/6/08	20:00	7.924	4.295	2.908	4.605	3.324
3/7/08	0:00	7.933	4.311	2.919	4.624	3.341
3/7/08	4:00	7.945	4.325	2.926	4.638	3.362
3/7/08	8:00	7.959	4.337	2.936	4.652	3.385

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
3/7/08	12:00	7.97	4.344	2.929	4.656	3.401
3/7/08	16:00	7.973	4.323	2.922	4.642	3.366
3/7/08	20:00	7.97	4.316	2.922	4.635	3.348
3/8/08	0:00	7.97	4.341	2.919	4.635	3.383
3/8/08	4:00	7.966	4.365	2.905	4.621	3.415
3/8/08	8:00	7.966	4.388	2.901	4.614	3.45
3/8/08	12:00	7.968	4.432	2.887	4.6	3.478
3/8/08	16:00	7.968	4.395	2.896	4.593	3.485
3/8/08	20:00	7.977	4.383	2.901	4.603	3.467
3/9/08	0:00	7.987	4.386	2.908	4.617	3.462
3/9/08	4:00	7.996	4.383	2.91	4.626	3.455
3/9/08	8:00	8.005	4.397	2.915	4.645	3.457
3/9/08	12:00	8.014	4.411	2.917	4.659	3.469
3/9/08	16:00	8.019	4.39	2.91	4.649	3.453
3/9/08	20:00	8.026	4.381	2.917	4.652	3.418
3/10/08	0:00	8.033	4.395	2.929	4.668	3.422
3/10/08	4:00	8.04	4.418	2.926	4.673	3.429
3/10/08	8:00	8.047	4.444	2.926	4.689	3.448
3/10/08	12:00	8.056	4.467	2.929	4.694	3.464
3/10/08	16:00	8.045	4.397	2.912	4.661	3.439
3/10/08	20:00	8.033	4.367	2.915	4.645	3.387
3/11/08	0:00	8.031	4.374	2.922	4.649	3.385
3/11/08	4:00	8.024	4.383	2.912	4.64	3.39
3/11/08	8:00	8.014	4.4	2.912	4.633	3.399
3/11/08	12:00	8.01	4.376	2.905	4.614	3.394
3/11/08	16:00	7.998	4.355	2.889	4.584	3.287
3/11/08	20:00	7.982	4.32	2.887	4.57	3.133
3/12/08	0:00	7.973	4.318	2.891	4.57	3.15
3/12/08	4:00	7.966	4.323	2.891	4.568	3.201
3/12/08	8:00	7.961	4.334	2.894	4.563	3.245
3/12/08	12:00	7.956	4.323	2.882	4.547	3.229
3/12/08	16:00	7.954	4.288	2.875	4.538	3.028
3/12/08	20:00	7.952	4.243	2.884	4.538	2.921
3/13/08	0:00	7.945	4.252	2.896	4.547	3.01
3/13/08	4:00	7.945	4.278	2.903	4.563	3.11
3/13/08	8:00	7.947	4.304	2.908	4.573	3.194
3/13/08	12:00	7.959	4.311	2.898	4.568	3.161
3/13/08	16:00	7.942	4.264	2.882	4.538	3.028
3/13/08	20:00	7.931	4.234	2.884	4.526	2.975
3/14/08	0:00	7.919	4.243	2.889	4.521	3.042
3/14/08	4:00	7.917	4.262	2.896	4.528	3.117
3/14/08	8:00	7.924	4.292	2.898	4.542	3.194
3/14/08	12:00	7.935	4.297	2.898	4.547	3.164
3/14/08	16:00	7.931	4.269	2.882	4.538	3.091
3/14/08	20:00	7.938	4.269	2.894	4.547	3.098
3/15/08	0:00	7.949	4.292	2.908	4.57	3.156
3/15/08	4:00	7.959	4.318	2.912	4.582	3.212
3/15/08	8:00	7.973	4.344	2.926	4.605	3.261
3/15/08	12:00	7.991	4.362	2.922	4.619	3.273
3/15/08	16:00	7.994	4.36	2.915	4.612	3.25

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
3/15/08	20:00	8.005	4.372	2.922	4.629	3.266
3/16/08	0:00	8.021	4.407	2.938	4.652	3.341
3/16/08	4:00	8.033	4.458	2.95	4.673	3.42
3/16/08	8:00	8.047	4.509	2.961	4.696	3.49
3/16/08	12:00	8.059	4.514	2.931	4.689	3.432
3/16/08	16:00	8.054	4.444	2.919	4.659	3.301
3/16/08	20:00	8.042	4.432	2.924	4.652	3.308
3/17/08	0:00	8.049	4.446	2.931	4.663	3.343
3/17/08	4:00	8.042	4.442	2.922	4.649	3.355
3/17/08	8:00	8.04	4.451	2.924	4.652	3.369
3/17/08	12:00	8.031	4.379	2.884	4.603	3.103
3/17/08	16:00	8.001	4.336	2.896	4.584	3.096
3/17/08	20:00	7.991	4.346	2.901	4.587	3.142
3/18/08	0:00	7.984	4.344	2.903	4.587	3.154
3/18/08	4:00	7.98	4.351	2.903	4.582	3.194
3/18/08	8:00	7.984	4.365	2.908	4.591	3.234
3/18/08	12:00	7.994	4.376	2.903	4.596	3.252
3/18/08	16:00	7.989	4.367	2.898	4.591	3.238
3/18/08	20:00	8.001	4.386	2.903	4.605	3.257
3/19/08	0:00	8.012	4.407	2.908	4.617	3.303
3/19/08	4:00	8.017	4.425	2.915	4.629	3.35
3/19/08	8:00	8.026	4.46	2.931	4.652	3.406
3/19/08	12:00	8.042	4.458	2.905	4.642	3.35
3/19/08	16:00	8.035	4.437	2.901	4.624	3.348
3/19/08	20:00	8.035	4.453	2.908	4.629	3.369
3/20/08	0:00	8.042	4.444	2.898	4.617	3.348
3/20/08	4:00	8.045	4.456	2.903	4.624	3.385
3/20/08	8:00	8.052	4.474	2.915	4.643	3.418
3/20/08	12:00	8.056	4.472	2.896	4.633	3.397
3/20/08	16:00	8.038	4.458	2.905	4.619	3.383
3/20/08	20:00	8.026	4.458	2.894	4.612	3.392
3/21/08	0:00	8.021	4.453	2.887	4.598	3.394
3/21/08	4:00	8.024	4.46	2.884	4.596	3.413
3/21/08	8:00	8.045	4.484	2.896	4.624	3.434
3/21/08	12:00	8.063	4.5	2.905	4.649	3.45
3/21/08	16:00	8.066	4.507	2.91	4.661	3.448
3/21/08	20:00	8.075	4.53	2.91	4.682	3.462
3/22/08	0:00	8.084	4.535	2.908	4.684	3.476
3/22/08	4:00	8.089	4.537	2.908	4.691	3.485
3/22/08	8:00	8.094	4.547	2.917	4.708	3.502
3/22/08	12:00	8.103	4.549	2.91	4.71	3.497
3/22/08	16:00	8.108	4.546	2.915	4.715	3.492
3/22/08	20:00	8.112	4.561	2.924	4.729	3.506
3/23/08	0:00	8.122	4.568	2.924	4.743	3.518
3/23/08	4:00	8.124	4.572	2.926	4.747	3.523
3/23/08	8:00	8.129	4.593	2.943	4.764	3.546
3/23/08	12:00	8.133	4.591	2.917	4.75	3.511
3/23/08	16:00	8.133	4.589	2.929	4.747	3.513
3/23/08	20:00	8.133	4.596	2.931	4.754	3.53
3/24/08	0:00	8.136	4.605	2.936	4.759	3.551

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
3/24/08	4:00	8.138	4.621	2.947	4.766	3.579
3/24/08	8:00	8.138	4.635	2.952	4.766	3.602
3/24/08	12:00	8.124	4.605	2.901	4.717	3.5
3/24/08	16:00	8.098	4.554	2.901	4.673	3.476
3/24/08	20:00	8.084	4.554	2.898	4.666	3.486
3/25/08	0:00	8.077	4.547	2.889	4.649	3.481
3/25/08	4:00	8.073	4.551	2.889	4.649	3.483
3/25/08	8:00	8.103	4.575	2.903	4.684	3.506
3/25/08	12:00	8.117	4.584	2.908	4.698	3.511
3/25/08	16:00	8.124	4.605	2.926	4.712	3.527
3/25/08	20:00	8.136	4.628	2.922	4.724	3.539
3/26/08	0:00	8.14	4.628	2.912	4.724	3.541
3/26/08	4:00	8.143	4.621	2.91	4.724	3.539
3/26/08	8:00	8.145	4.617	2.905	4.722	3.539
3/26/08	12:00	8.147	4.614	2.912	4.724	3.532
3/26/08	16:00	8.131	4.607	2.917	4.712	3.528
3/26/08	20:00	8.122	4.605	2.905	4.701	3.53
3/27/08	0:00	8.117	4.596	2.894	4.687	3.521
3/27/08	4:00	8.11	4.584	2.884	4.673	3.516
3/27/08	8:00	8.117	4.593	2.891	4.687	3.527
3/27/08	12:00	8.122	4.598	2.891	4.689	3.535
3/27/08	16:00	8.133	4.6	2.889	4.696	3.535
3/27/08	20:00	8.143	4.61	2.896	4.712	3.546
3/28/08	0:00	8.15	4.619	2.898	4.729	3.556
3/28/08	4:00	8.154	4.621	2.903	4.74	3.565
3/28/08	8:00	8.164	4.631	2.912	4.761	3.576
3/28/08	12:00	8.171	4.633	2.905	4.757	3.567
3/28/08	16:00	8.166	4.631	2.915	4.754	3.558
3/28/08	20:00	8.168	4.642	2.912	4.759	3.572
3/29/08	0:00	8.173	4.647	2.905	4.764	3.576
3/29/08	4:00	8.171	4.642	2.898	4.752	3.572
3/29/08	8:00	8.173	4.642	2.901	4.754	3.572
3/29/08	12:00	8.166	4.631	2.898	4.74	3.558
3/29/08	16:00	8.15	4.628	2.912	4.736	3.56
3/29/08	20:00	8.147	4.642	2.905	4.733	3.569
3/30/08	0:00	8.159	4.645	2.894	4.729	3.567
3/30/08	4:00	8.161	4.64	2.889	4.726	3.562
3/30/08	8:00	8.173	4.642	2.891	4.74	3.562
3/30/08	12:00	8.173	4.64	2.894	4.731	3.555
3/30/08	16:00	8.171	4.642	2.898	4.729	3.567
3/30/08	20:00	8.168	4.645	2.891	4.729	3.569
3/31/08	0:00	8.166	4.638	2.884	4.722	3.565
3/31/08	4:00	8.14	4.605	2.861	4.678	3.537
3/31/08	8:00	8.047	3.655	2.758	4.459	2.522
3/31/08	12:00	7.912	3.653	2.791	4.421	2.538
3/31/08	16:00	7.849	3.886	2.817	4.459	2.625
3/31/08	20:00	7.835	4.026	2.828	4.501	2.713
4/1/08	0:00	7.84	4.11	2.84	4.545	2.802
4/1/08	4:00	7.854	4.173	2.849	4.575	2.888
4/1/08	8:00	7.877	4.229	2.866	4.617	2.972

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/1/08	12:00	7.896	4.271	2.875	4.643	3.045
4/1/08	16:00	7.914	4.299	2.877	4.661	3.11
4/1/08	20:00	7.924	4.325	2.877	4.673	3.166
4/2/08	0:00	7.94	4.351	2.88	4.689	3.22
4/2/08	4:00	7.949	4.365	2.875	4.692	3.262
4/2/08	8:00	7.959	4.383	2.88	4.699	3.294
4/2/08	12:00	7.968	4.39	2.88	4.694	3.315
4/2/08	16:00	7.963	4.4	2.88	4.68	3.332
4/2/08	20:00	7.966	4.411	2.88	4.68	3.357
4/3/08	0:00	7.975	4.423	2.873	4.68	3.383
4/3/08	4:00	7.975	4.425	2.866	4.671	3.392
4/3/08	8:00	7.977	4.43	2.863	4.671	3.397
4/3/08	12:00	7.98	4.376	2.828	4.638	3.182
4/3/08	16:00	7.863	3.739	2.793	4.494	2.564
4/3/08	20:00	7.814	3.947	2.826	4.519	2.655
4/4/08	0:00	7.8	4.038	2.831	4.536	2.746
4/4/08	4:00	7.788	4.089	2.833	4.547	2.842
4/4/08	8:00	7.786	4.136	2.842	4.568	2.935
4/4/08	12:00	7.788	4.162	2.842	4.575	2.998
4/4/08	16:00	7.786	4.18	2.847	4.573	3.063
4/4/08	20:00	7.786	4.211	2.845	4.578	3.136
4/5/08	0:00	7.795	4.232	2.842	4.585	3.189
4/5/08	4:00	7.8	4.243	2.84	4.589	3.231
4/5/08	8:00	7.809	4.26	2.84	4.594	3.266
4/5/08	12:00	7.816	4.274	2.852	4.601	3.287
4/5/08	16:00	7.819	4.295	2.863	4.601	3.325
4/5/08	20:00	7.826	4.32	2.861	4.608	3.364
4/6/08	0:00	7.837	4.33	2.847	4.605	3.383
4/6/08	4:00	7.84	4.332	2.842	4.599	3.392
4/6/08	8:00	7.851	4.339	2.842	4.605	3.406
4/6/08	12:00	7.865	4.36	2.854	4.622	3.42
4/6/08	16:00	7.879	4.381	2.863	4.633	3.441
4/6/08	20:00	7.903	4.423	2.877	4.666	3.481
4/7/08	0:00	7.924	4.444	2.868	4.68	3.5
4/7/08	4:00	7.935	4.446	2.859	4.682	3.504
4/7/08	8:00	7.947	4.458	2.863	4.694	3.511
4/7/08	12:00	7.963	4.467	2.863	4.703	3.507
4/7/08	16:00	7.961	4.465	2.859	4.687	3.511
4/7/08	20:00	7.973	4.484	2.87	4.71	3.521
4/8/08	0:00	7.945	4.225	2.8	4.608	2.814
4/8/08	4:00	7.912	4.246	2.821	4.615	2.933
4/8/08	8:00	7.898	4.269	2.826	4.615	3.028
4/8/08	12:00	7.9	4.304	2.835	4.636	3.091
4/8/08	16:00	7.9	4.304	2.831	4.629	3.112
4/8/08	20:00	7.905	4.33	2.842	4.64	3.182
4/9/08	0:00	7.924	4.36	2.847	4.664	3.25
4/9/08	4:00	7.933	4.379	2.847	4.671	3.297
4/9/08	8:00	7.947	4.4	2.854	4.685	3.334
4/9/08	12:00	7.959	4.416	2.859	4.692	3.346
4/9/08	16:00	7.959	4.423	2.863	4.689	3.362

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/9/08	20:00	7.949	4.425	2.856	4.675	3.388
4/10/08	0:00	7.952	4.425	2.833	4.664	3.392
4/10/08	4:00	7.9	4.138	2.756	4.54	2.744
4/10/08	8:00	7.826	3.991	2.747	4.475	2.618
4/10/08	12:00	7.723	3.233	2.688	4.321	2.452
4/10/08	16:00	7.397	2.652	2.628	3.884	2.366
4/10/08	20:00	6.896	2.941	2.681	3.935	2.473
4/11/08	0:00	6.709	3.074	2.688	4	2.501
4/11/08	4:00	6.653	3.167	2.7	4.061	2.527
4/11/08	8:00	6.616	3.037	2.691	4.07	2.478
4/11/08	12:00	6.602	3.205	2.719	4.126	2.548
4/11/08	16:00	6.607	3.307	2.735	4.184	2.606
4/11/08	20:00	6.626	3.37	2.747	4.228	2.648
4/12/08	0:00	6.637	3.415	2.754	4.263	2.697
4/12/08	4:00	6.66	3.457	2.763	4.296	2.758
4/12/08	8:00	6.693	3.503	2.777	4.326	2.814
4/12/08	12:00	6.733	3.545	2.791	4.359	2.87
4/12/08	16:00	6.77	3.578	2.793	4.382	2.926
4/12/08	20:00	6.807	3.613	2.8	4.405	2.972
4/13/08	0:00	6.849	3.643	2.807	4.429	3.01
4/13/08	4:00	6.882	3.667	2.812	4.443	3.045
4/13/08	8:00	6.926	3.704	2.826	4.471	3.087
4/13/08	12:00	6.963	3.734	2.835	4.484	3.112
4/13/08	16:00	6.989	3.755	2.842	4.491	3.145
4/13/08	20:00	7.019	3.779	2.835	4.505	3.182
4/14/08	0:00	7.05	3.8	2.833	4.515	3.21
4/14/08	4:00	7.078	3.818	2.833	4.522	3.234
4/14/08	8:00	7.11	3.849	2.845	4.545	3.259
4/14/08	12:00	7.134	3.853	2.835	4.536	3.238
4/14/08	16:00	7.15	3.872	2.84	4.526	3.269
4/14/08	20:00	7.166	3.886	2.833	4.522	3.299
4/15/08	0:00	7.19	3.902	2.826	4.524	3.315
4/15/08	4:00	7.204	3.907	2.819	4.512	3.32
4/15/08	8:00	7.22	3.917	2.814	4.503	3.327
4/15/08	12:00	7.229	3.931	2.814	4.499	3.336
4/15/08	16:00	7.234	3.954	2.828	4.489	3.376
4/15/08	20:00	7.257	3.984	2.821	4.489	3.413
4/16/08	0:00	7.278	3.984	2.798	4.473	3.418
4/16/08	4:00	7.285	3.982	2.791	4.466	3.409
4/16/08	8:00	7.315	4.008	2.798	4.482	3.418
4/16/08	12:00	7.343	4.038	2.807	4.499	3.439
4/16/08	16:00	7.371	4.071	2.819	4.515	3.476
4/16/08	20:00	7.399	4.094	2.821	4.536	3.504
4/17/08	0:00	7.427	4.094	2.812	4.54	3.497
4/17/08	4:00	7.434	4.082	2.8	4.531	3.476
4/17/08	8:00	7.213	2.747	2.663	4.184	2.396
4/17/08	12:00	6.998	3.104	2.716	4.205	2.503
4/17/08	16:00	6.91	3.128	2.679	4.177	2.487
4/17/08	20:00	6.842	3.209	2.691	4.156	2.522
4/18/08	0:00	6.73	2.932	2.672	4.068	2.471

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/18/08	4:00	6.614	3.055	2.679	4.051	2.501
4/18/08	8:00	5.565	2.512	2.558	3.453	2.361
4/18/08	12:00	5.092	2.584	2.6	3.492	2.445
4/18/08	16:00	5.071	2.6	2.611	3.588	2.452
4/18/08	20:00	5.141	2.656	2.637	3.702	2.492
4/19/08	0:00	5.239	2.703	2.653	3.795	2.524
4/19/08	4:00	5.339	2.743	2.665	3.865	2.555
4/19/08	8:00	5.446	2.787	2.681	3.94	2.587
4/19/08	12:00	5.537	2.834	2.695	3.989	2.622
4/19/08	16:00	5.614	2.899	2.698	4.026	2.699
4/19/08	20:00	5.693	2.948	2.702	4.061	2.781
4/20/08	0:00	5.77	2.983	2.702	4.086	2.823
4/20/08	4:00	5.84	3.018	2.702	4.11	2.858
4/20/08	8:00	5.905	3.053	2.702	4.124	2.884
4/20/08	12:00	5.954	3.083	2.707	4.126	2.905
4/20/08	16:00	6.006	3.156	2.721	4.145	2.984
4/20/08	20:00	6.066	3.205	2.723	4.161	3.061
4/21/08	0:00	6.138	3.233	2.716	4.177	3.082
4/21/08	4:00	6.187	3.254	2.716	4.184	3.094
4/21/08	8:00	6.253	3.293	2.719	4.205	3.11
4/21/08	12:00	6.323	3.342	2.726	4.231	3.14
4/21/08	16:00	6.369	3.38	2.73	4.247	3.18
4/21/08	20:00	6.416	3.408	2.73	4.254	3.215
4/22/08	0:00	6.469	3.436	2.733	4.266	3.224
4/22/08	4:00	6.507	3.452	2.73	4.273	3.227
4/22/08	8:00	6.558	3.482	2.735	4.291	3.238
4/22/08	12:00	6.602	3.52	2.744	4.308	3.264
4/22/08	16:00	6.635	3.564	2.763	4.317	3.343
4/22/08	20:00	6.67	3.585	2.758	4.321	3.402
4/23/08	0:00	6.709	3.594	2.744	4.324	3.371
4/23/08	4:00	6.735	3.604	2.742	4.324	3.35
4/23/08	8:00	6.768	3.62	2.74	4.331	3.343
4/23/08	12:00	6.791	3.643	2.751	4.331	3.399
4/23/08	16:00	6.805	3.678	2.768	4.331	3.488
4/23/08	20:00	6.833	3.683	2.749	4.321	3.497
4/24/08	0:00	6.859	3.683	2.742	4.322	3.437
4/24/08	4:00	6.87	3.676	2.73	4.308	3.395
4/24/08	8:00	6.889	3.688	2.728	4.303	3.369
4/24/08	12:00	6.905	3.702	2.726	4.298	3.378
4/24/08	16:00	6.924	3.725	2.73	4.298	3.458
4/24/08	20:00	6.94	3.713	2.716	4.289	3.385
4/25/08	0:00	6.952	3.718	2.716	4.284	3.341
4/25/08	4:00	6.903	3.109	2.639	4.156	2.569
4/25/08	8:00	6.898	3.403	2.695	4.207	2.629
4/25/08	12:00	6.919	3.524	2.705	4.24	2.72
4/25/08	16:00	6.942	3.604	2.712	4.27	2.844
4/25/08	20:00	6.977	3.664	2.721	4.298	2.961
4/26/08	0:00	7.003	3.699	2.721	4.315	3.04
4/26/08	4:00	7.017	3.72	2.719	4.317	3.096
4/26/08	8:00	7.045	3.753	2.733	4.34	3.143

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/26/08	12:00	7.073	3.783	2.742	4.352	3.18
4/26/08	16:00	7.094	3.807	2.744	4.359	3.255
4/26/08	20:00	7.113	3.762	2.714	4.347	3.133
4/27/08	0:00	7.11	3.657	2.707	4.315	2.879
4/27/08	4:00	7.12	3.725	2.723	4.333	2.984
4/27/08	8:00	7.134	3.769	2.733	4.35	3.063
4/27/08	12:00	7.143	3.786	2.73	4.35	3.105
4/27/08	16:00	7.143	3.818	2.737	4.343	3.21
4/27/08	20:00	7.152	3.837	2.733	4.34	3.297
4/28/08	0:00	7.164	3.842	2.728	4.34	3.308
4/28/08	4:00	7.18	3.853	2.73	4.352	3.318
4/28/08	8:00	7.201	3.872	2.733	4.366	3.329
4/28/08	12:00	7.215	3.891	2.744	4.375	3.343
4/28/08	16:00	7.229	3.917	2.754	4.384	3.413
4/28/08	20:00	7.243	3.931	2.744	4.377	3.458
4/29/08	0:00	7.252	3.919	2.73	4.368	3.434
4/29/08	4:00	7.262	3.921	2.733	4.373	3.42
4/29/08	8:00	7.273	3.926	2.733	4.375	3.411
4/29/08	12:00	7.28	3.942	2.74	4.375	3.441
4/29/08	16:00	7.278	3.963	2.747	4.364	3.521
4/29/08	20:00	7.287	3.975	2.742	4.357	3.567
4/30/08	0:00	7.294	3.959	2.726	4.345	3.514
4/30/08	4:00	7.283	3.94	2.716	4.326	3.467
4/30/08	8:00	7.285	3.942	2.714	4.322	3.444
4/30/08	12:00	7.287	3.961	2.719	4.315	3.502
4/30/08	16:00	7.292	3.989	2.73	4.319	3.607
4/30/08	20:00	7.304	4.003	2.723	4.315	3.651
5/1/08	0:00	7.313	3.984	2.709	4.305	3.574
5/1/08	4:00	7.306	3.961	2.702	4.289	3.509
5/1/08	8:00	7.311	3.961	2.698	4.287	3.469
5/1/08	12:00	7.315	3.987	2.714	4.287	3.57
5/1/08	16:00	7.336	4.054	2.742	4.319	3.735
5/1/08	20:00	7.364	4.073	2.723	4.329	3.756
5/2/08	0:00	7.381	4.054	2.709	4.333	3.656
5/2/08	4:00	7.369	3.956	2.663	4.287	3.423
5/2/08	8:00	7.348	3.938	2.684	4.28	3.255
5/2/08	12:00	7.297	3.676	2.656	4.214	2.671
5/2/08	16:00	7.285	3.807	2.679	4.242	2.825
5/2/08	20:00	7.301	3.872	2.688	4.273	2.954
5/3/08	0:00	7.327	3.811	2.663	4.268	2.804
5/3/08	4:00	7.32	3.804	2.684	4.277	2.795
5/3/08	8:00	7.341	3.884	2.707	4.322	2.928
5/3/08	12:00	7.357	3.933	2.718	4.345	3.042
5/3/08	16:00	7.369	3.975	2.725	4.357	3.175
5/3/08	20:00	7.381	4.005	2.725	4.364	3.294
5/4/08	0:00	7.39	4.008	2.714	4.366	3.308
5/4/08	4:00	7.392	4.008	2.711	4.366	3.315
5/4/08	8:00	7.399	4.017	2.716	4.373	3.327
5/4/08	12:00	7.409	4.05	2.732	4.377	3.42
5/4/08	16:00	7.416	4.092	2.742	4.377	3.565

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/4/08	20:00	7.43	4.113	2.73	4.373	3.63
5/5/08	0:00	7.444	4.096	2.718	4.382	3.556
5/5/08	4:00	7.444	4.078	2.711	4.378	3.504
5/5/08	8:00	7.451	4.075	2.711	4.382	3.476
5/5/08	12:00	7.46	4.122	2.742	4.394	3.656
5/5/08	16:00	7.472	4.169	2.758	4.396	3.805
5/5/08	20:00	7.479	4.176	2.73	4.38	3.819
5/6/08	0:00	7.485	4.141	2.709	4.371	3.693
5/6/08	4:00	7.479	4.117	2.704	4.364	3.614
5/6/08	8:00	7.474	4.103	2.702	4.359	3.563
5/6/08	12:00	7.481	4.141	2.725	4.366	3.71
5/6/08	16:00	7.488	4.199	2.751	4.371	3.889
5/6/08	20:00	7.495	4.201	2.725	4.357	3.878
5/7/08	0:00	7.483	3.947	2.662	4.296	3.187
5/7/08	4:00	7.423	3.856	2.655	4.247	2.825
5/7/08	8:00	7.411	3.935	2.676	4.277	2.935
5/7/08	12:00	7.404	3.968	2.683	4.289	3.014
5/7/08	16:00	7.413	4.003	2.69	4.303	3.133
5/7/08	20:00	7.42	4.033	2.695	4.298	3.252
5/8/08	0:00	7.43	4.043	2.686	4.301	3.271
5/8/08	4:00	7.434	4.05	2.683	4.308	3.287
5/8/08	8:00	7.434	4.054	2.681	4.31	3.299
5/8/08	12:00	7.444	4.087	2.714	4.326	3.418
5/8/08	16:00	7.455	4.134	2.735	4.331	3.595
5/8/08	20:00	7.469	4.143	2.711	4.326	3.619
5/9/08	0:00	7.476	4.115	2.688	4.319	3.521
5/9/08	4:00	7.385	3.193	2.595	4.149	2.536
5/9/08	8:00	7.227	3.382	2.63	4.128	2.524
5/9/08	12:00	7.176	3.573	2.648	4.168	2.606
5/9/08	16:00	7.15	3.688	2.669	4.194	2.744
5/9/08	20:00	7.143	3.76	2.672	4.212	2.888
5/10/08	0:00	7.131	3.781	2.66	4.219	2.944
5/10/08	4:00	7.117	3.639	2.623	4.189	2.718
5/10/08	8:00	7.085	3.618	2.641	4.177	2.641
5/10/08	12:00	7.054	3.664	2.658	4.173	2.711
5/10/08	16:00	6.982	2.946	2.571	4.047	2.426
5/10/08	20:00	6.5	2.754	2.55	3.749	2.396
5/11/08	0:00	6.253	2.89	2.571	3.765	2.454
5/11/08	4:00	6.171	3.025	2.59	3.837	2.517
5/11/08	8:00	6.157	3.125	2.611	3.919	2.566
5/11/08	12:00	6.159	3.212	2.637	3.97	2.648
5/11/08	16:00	6.183	3.298	2.653	4.007	2.818
5/11/08	20:00	6.213	3.333	2.641	4.024	2.961
5/12/08	0:00	6.25	3.34	2.63	4.038	2.965
5/12/08	4:00	6.274	3.347	2.627	4.047	2.975
5/12/08	8:00	6.304	3.366	2.63	4.059	2.986
5/12/08	12:00	6.337	3.431	2.665		3.082
5/12/08	16:00	6.374	3.482	2.672	4.056	3.308
5/12/08	20:00	6.416	3.522	2.653	4.07	3.39
5/13/08	0:00	6.46	3.506	2.618	4.07	3.283

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/13/08	4:00	6.483	3.499	2.606	4.065	3.224
5/13/08	8:00	6.523	3.524	2.616	4.091	3.201
5/13/08	12:00	6.56	3.562	2.632	4.105	3.25
5/13/08	16:00	6.605	3.622	2.66	4.128	3.402
5/13/08	20:00	6.649	3.662	2.646	4.14	3.392
5/14/08	0:00	6.691	3.685	2.63	4.152	3.334
5/14/08	4:00	6.709	3.692	2.62	4.149	3.292
5/14/08	8:00	6.74	3.716	2.627	4.163	3.273
5/14/08	12:00	6.763	3.76	2.672	4.177	3.392
5/14/08	16:00	6.796	3.83	2.704	4.186	3.577
5/14/08	20:00	6.831	3.865	2.686	4.189	3.633
5/15/08	0:00	6.849	3.835	2.648	4.182	3.5
5/15/08	4:00	6.863	3.823	2.634	4.173	3.427
5/15/08	8:00	6.887	3.832	2.639	4.184	3.388
5/15/08	12:00	6.917	3.912	2.721	4.217	3.6
5/15/08	16:00	6.947	3.949	2.746	4.226	3.784
5/15/08	20:00	6.973	3.968	2.693	4.217	3.763
5/16/08	0:00	6.989	3.933	2.648	4.201	3.611
5/16/08	4:00	6.991	3.912	2.639	4.191	3.527
5/16/08	8:00	7.005	3.914	2.637	4.198	3.471
5/16/08	12:00	7.026	3.987	2.732	4.231	3.684
5/16/08	16:00	7.057	4.068	2.777	4.245	3.908
5/16/08	20:00	7.082	4.099	2.728	4.224	3.919
5/17/08	0:00	7.087	4.04	2.658	4.191	3.744
5/17/08	4:00	7.085	4.012	2.646	4.182	3.651
5/17/08	8:00	7.099	4.003	2.644	4.191	3.583
5/17/08	12:00	7.124	4.108	2.763	4.235	3.854
5/17/08	16:00	7.157	4.201	2.828	4.259	4.048
5/17/08	20:00	7.192	4.229	2.784	4.252	4.052
5/18/08	0:00	7.192	4.15	2.676	4.214	3.861
5/18/08	4:00	7.187	4.101	2.648	4.201	3.747
5/18/08	8:00	7.192	4.082	2.651	4.21	3.674
5/18/08	12:00	7.215	4.159	2.751	4.245	3.875
5/18/08	16:00	7.252	4.25	2.804	4.261	4.101
5/18/08	20:00	7.266	4.25	2.749	4.231	4.08
5/19/08	0:00	7.255	4.171	2.66	4.194	3.882
5/19/08	4:00	7.227	4.115	2.639	4.168	3.77
5/19/08	8:00	7.236	4.106	2.651	4.182	3.712
5/19/08	12:00	7.273	4.206	2.777	4.242	3.98
5/19/08	16:00	7.306	4.302	2.839	4.268	4.185
5/19/08	20:00	7.332	4.32	2.786	4.254	4.176
5/20/08	0:00	7.339	4.25	2.695	4.242	3.982
5/20/08	4:00	7.332	4.204	2.662	4.231	3.866
5/20/08	8:00	7.343	4.183	2.665	4.245	3.789
5/20/08	12:00	7.355	4.227	2.735	4.275	3.908
5/20/08	16:00	7.374	4.309	2.8	4.294	4.139
5/20/08	20:00	7.392	4.337	2.781	4.28	4.204
5/21/08	0:00	7.376	4.241	2.662	4.231	3.971
5/21/08	4:00	7.362	4.19	2.639	4.217	3.842
5/21/08	8:00	7.353	4.159	2.632	4.214	3.756

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/21/08	12:00	7.371	4.234	2.753	4.254	3.989
5/21/08	16:00	7.39	4.288	2.786	4.259	4.139
5/21/08	20:00	7.402	4.302	2.725	4.238	4.176
5/22/08	0:00	7.39	4.227	2.655	4.21	3.971
5/22/08	4:00	7.376	4.18	2.632	4.198	3.854
5/22/08	8:00	7.367	4.148	2.627	4.168	3.765
5/22/08	12:00	7.348	3.851	2.574	4.156	3.455
5/22/08	16:00	7.306	3.944	2.616	4.133	3.327
5/22/08	20:00	7.301	4.01	2.627	4.145	3.397
5/23/08	0:00	7.306	4.026	2.618	4.161	3.373
5/23/08	4:00	7.162	2.852	2.508	4.003	2.622
5/23/08	8:00	6.931	3.228	2.55	3.884	2.513
5/23/08	12:00	6.903	3.431	2.567	3.944	2.613
5/23/08	16:00	6.882	3.503	2.578	3.97	2.683
5/23/08	20:00	6.875	3.578	2.578	3.998	2.781
5/24/08	0:00	6.873	3.625	2.585	4.014	2.842
5/24/08	4:00	6.742	2.908	2.522	3.849	2.394
5/24/08	8:00	6.626	3.186	2.541	3.842	2.475
5/24/08	12:00	6.591	3.326	2.581	3.868	2.618
5/24/08	16:00	6.579	3.461	2.648	3.916	2.877
5/24/08	20:00	6.584	3.524	2.602	3.933	2.989
5/25/08	0:00	6.57	3.513	2.571	3.933	2.949
5/25/08	4:00	6.567	3.51	2.564	3.94	2.949
5/25/08	8:00	6.574	3.524	2.569	3.954	2.963
5/25/08	12:00	6.591	3.608	2.658	3.989	3.215
5/25/08	16:00	6.644	3.734	2.72	4.024	3.588
5/25/08	20:00	6.688	3.779	2.66	4.033	3.63
5/26/08	0:00	6.695	3.699	2.588	3.996	3.42
5/26/08	4:00	6.712	3.692	2.59	4.012	3.345
5/26/08	8:00	6.726	3.681	2.59	4.019	3.273
5/26/08	12:00	6.763	3.72	2.625	4.045	3.324
5/26/08	16:00	6.8	3.828	2.716	4.086	3.625
5/26/08	20:00	6.821	3.823	2.646	4.065	3.621
5/27/08	0:00	6.84	3.797	2.609	4.068	3.495
5/27/08	4:00	6.842	3.781	2.602	4.068	3.425
5/27/08	8:00	6.863	3.788	2.604	4.079	3.392
5/27/08	12:00	6.882	3.779	2.595	4.086	3.352
5/27/08	16:00	6.891	3.774	2.602	4.089	3.296
5/27/08	20:00	6.903	3.769	2.595	4.091	3.257
5/28/08	0:00	6.908	3.723	2.588	4.086	3.154
5/28/08	4:00	6.763	3.193	2.546	3.972	2.582
5/28/08	8:00	6.509	2.883	2.525	3.849	2.391
5/28/08	12:00	6.455	3.095	2.548	3.877	2.489
5/28/08	16:00	6.446	3.235	2.574	3.902	2.631
5/28/08	20:00	6.441	3.296	2.564	3.905	2.699
5/29/08	0:00	6.446	3.34	2.553	3.914	2.741
5/29/08	4:00	6.448	3.363	2.555	3.912	2.776
5/29/08	8:00	6.458	3.391	2.557	3.916	2.813
5/29/08	12:00	6.465	3.424	2.578	3.916	2.9
5/29/08	16:00	6.483	3.517	2.641	3.933	3.133

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/29/08	20:00	6.511	3.545	2.583	3.919	3.203
5/30/08	0:00	6.542	3.174	2.543	3.888	3
5/30/08	4:00	6.29	3.011	2.518	3.758	2.463
5/30/08	8:00	6.229	2.981	2.504	3.714	2.449
5/30/08	12:00	6.234	3.146	2.56	3.758	2.603
5/30/08	16:00	6.281	3.363	2.65	3.819	2.984
5/30/08	20:00	6.341	3.48	2.611	3.844	3.212
5/31/08	0:00	6.353	3.433	2.553	3.849	3.075
5/31/08	4:00	6.36	3.422	2.541	3.856	3.037
5/31/08	8:00	6.383	3.436	2.546	3.877	3.033
5/31/08	12:00	6.425	3.543	2.604	3.914	3.257
5/31/08	16:00	6.486	3.692	2.695	3.954	3.632
5/31/08	20:00	6.532	3.737	2.648	3.944	3.702
6/1/08	0:00	6.546	3.648	2.571	3.923	3.485
6/1/08	4:00	6.549	3.608	2.56	3.921	3.378
6/1/08	8:00	6.57	3.608	2.56	3.935	3.322
6/1/08	12:00	6.614	3.746	2.685	3.989	3.632
6/1/08	16:00	6.667	3.863	2.751	4.012	3.926
6/1/08	20:00	6.7	3.856	2.662	3.986	3.908
6/2/08	0:00	6.702	3.769	2.585	3.961	3.681
6/2/08	4:00	6.691	3.72	2.564	3.942	3.56
6/2/08	8:00	6.695	3.699	2.55	3.937	3.478
6/2/08	12:00	6.695	3.709	2.615	3.947	3.443
6/2/08	16:00	6.744	3.881	2.718	3.986	3.891
6/2/08	20:00	6.779	3.888	2.622	3.963	3.903
6/3/08	0:00	6.758	3.795	2.569	3.926	3.688
6/3/08	4:00	6.747	3.755	2.562	3.914	3.572
6/3/08	8:00	6.751	3.737	2.55	3.907	3.492
6/3/08	12:00	6.777	3.814	2.634	3.944	3.623
6/3/08	16:00	6.831	3.972	2.748	3.993	3.975
6/3/08	20:00	6.873	4.012	2.685	3.984	4.073
6/4/08	0:00	6.866	3.902	2.574	3.935	3.819
6/4/08	4:00	6.852	3.846	2.553	3.923	3.681
6/4/08	8:00	6.854	3.821	2.555	3.928	3.595
6/4/08	12:00	6.847	3.8	2.548	3.919	3.537
6/4/08	16:00	6.887	3.937	2.692	3.975	3.835
6/4/08	20:00	6.891	3.919	2.588	3.933	3.828
6/5/08	0:00	4.978	2.458	2.417	3.274	2.316
6/5/08	4:00	3.917	2.278	2.315	2.936	2.169
6/5/08	8:00	3.843	2.402	2.378	3.053	2.316
6/5/08	12:00	4.127	2.444	2.427	3.188	2.414
6/5/08	16:00	4.344	2.5	2.483	3.29	2.575
6/5/08	20:00	4.488	2.507	2.445	3.344	2.557
6/6/08	0:00	4.551	2.467	2.401	3.323	2.382
6/6/08	4:00	4.693	2.528	2.436	3.411	2.433
6/6/08	8:00	4.824	2.582	2.462	3.486	2.501
6/6/08	12:00	4.961	2.673	2.536	3.56	2.748
6/6/08	16:00	5.094	2.813	2.594	3.609	3.152
6/6/08	20:00	5.211	2.894	2.559	3.63	3.376
6/7/08	0:00	5.274	2.817	2.492	3.621	3.149

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
6/7/08	4:00	5.311	2.787	2.469	3.611	3.054
6/7/08	8:00	5.372	2.796	2.48	3.628	3.014
6/7/08	12:00	5.474	2.974	2.576	3.679	3.462
6/7/08	16:00	5.577	3.163	2.646	3.716	3.826
6/7/08	20:00	5.658	3.212	2.587	3.707	3.852
6/8/08	0:00	5.691	3.044	2.497	3.67	3.504
6/8/08	4:00	4.91	2.444	2.417	3.474	2.571
6/8/08	8:00	4.204	2.421	2.401	3.309	2.307
6/8/08	12:00	4.526	2.472	2.424	3.383	2.375
6/8/08	16:00	4.728	2.542	2.459	3.441	2.466
6/8/08	20:00	4.906	2.607	2.487	3.488	2.608
6/9/08	0:00	5.029	2.633	2.457	3.516	2.592
6/9/08	4:00	5.115	2.656	2.452	3.528	2.615
6/9/08	8:00	5.209	2.689	2.457	3.551	2.655
6/9/08	12:00	5.316	2.815	2.564	3.604	2.935
6/9/08	16:00	5.432	3.009	2.622	3.637	3.329
6/9/08	20:00	5.518	3.072	2.562	3.628	3.411
6/10/08	0:00	5.565	2.985	2.494	3.618	3.21
6/10/08	4:00	5.595	2.962	2.48	3.616	3.121
6/10/08	8:00	5.644	2.967	2.478	3.625	3.082
6/10/08	12:00	5.721	3.163	2.604	3.679	3.46
6/10/08	16:00	5.805	3.356	2.692	3.709	3.894
6/10/08	20:00	5.868	3.387	2.608	3.686	3.924
6/11/08	0:00	5.88	3.275	2.513	3.646	3.639
6/11/08	4:00	5.877	3.006	2.469	3.607	3.406
6/11/08	8:00	5.889	3.079	2.48	3.609	3.18
6/11/08	12:00	5.919	3.165	2.527	3.621	3.212
6/11/08	16:00	5.989	3.363	2.611	3.665	3.632
6/11/08	20:00	6.029	3.312	2.531	3.623	3.681
6/12/08	0:00	4.253	2.404	2.382	3.232	2.302
6/12/08	4:00	4.374	2.425	2.392	3.25	2.293
6/12/08	8:00	4.558	2.467	2.396	3.295	2.349
6/12/08	12:00	4.745	2.556	2.464	3.36	2.494
6/12/08	16:00	4.95	2.705	2.543	3.427	2.876
6/12/08	20:00	5.108	2.778	2.515	3.453	3.07
6/13/08	0:00	5.181	2.738	2.448	3.453	2.921
6/13/08	4:00	5.248	2.743	2.436	3.465	2.888
6/13/08	8:00	5.32	2.775	2.455	3.493	2.895
6/13/08	12:00	5.43	2.955	2.566	3.551	3.28
6/13/08	16:00	5.539	3.167	2.639	3.586	3.698
6/13/08	20:00	5.623	3.237	2.576	3.576	3.791
6/14/08	0:00	5.642	3.104	2.478	3.534	3.492
6/14/08	4:00	5.661	3.055	2.455	3.523	3.352
6/14/08	8:00	5.707	3.079	2.473	3.541	3.308
6/14/08	12:00	5.782	3.27	2.592	3.595	3.702
6/14/08	16:00	5.861	3.431	2.646	3.618	4.057
6/14/08	20:00	5.917	3.459	2.564	3.588	4.092
6/15/08	0:00	5.919	3.331	2.478	3.546	3.768
6/15/08	4:00	5.924	3.268	2.455	3.53	3.595
6/15/08	8:00	5.938	3.237	2.445	3.525	3.481

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
6/15/08	12:00	5.602	2.684	2.417	3.371	2.522
6/15/08	16:00	5.663	2.974	2.527	3.458	2.923
6/15/08	20:00	5.747	3.095	2.51	3.481	3.124
6/16/08	0:00	5.791	3.067	2.447	3.476	3.014
6/16/08	4:00	5.814	3.06	2.441	3.479	2.986
6/16/08	8:00	5.859	3.093	2.452	3.509	3.026
6/16/08	12:00	5.912	3.214	2.522	3.544	3.257
6/16/08	16:00	5.978	3.37	2.587	3.572	3.56
6/16/08	20:00	6.027	3.408	2.536	3.562	3.623
6/17/08	0:00	6.034	3.321	2.464	3.537	3.411
6/17/08	4:00	6.038	3.279	2.445	3.525	3.31
6/17/08	8:00	6.048	3.272	2.457	3.53	3.261
6/17/08	12:00	6.096	3.422	2.571	3.579	3.574
6/17/08	16:00	6.15	3.569	2.618	3.597	3.922
6/17/08	20:00	6.192	3.583	2.548	3.574	3.933
6/18/08	0:00	6.159	3.412	2.452	3.509	3.658
6/18/08	4:00	6.155	3.349	2.438	3.497	3.481
6/18/08	8:00	6.169	3.34	2.441	3.504	3.38
6/18/08	12:00	6.211	3.464	2.527	3.548	3.576
6/18/08	16:00	6.255	3.597	2.59	3.581	3.87
6/18/08	20:00	6.285	3.606	2.515	3.546	3.901
6/19/08	0:00	6.269	3.499	2.45	3.507	3.656
6/19/08	4:00	6.26	3.45	2.438	3.495	3.527
6/19/08	8:00	6.255	3.422	2.433	3.49	3.443
6/19/08	12:00	6.295	3.534	2.513	3.528	3.639
6/19/08	16:00	6.348	3.681	2.576	3.562	3.987
6/19/08	20:00	5.498	2.432	2.338	3.241	2.459
6/20/08	0:00	5.232	2.549	2.382	3.288	2.382
6/20/08	4:00	5.369	2.644	2.401	3.339	2.454
6/20/08	8:00	5.456	2.71	2.405	3.365	2.51
6/20/08	12:00	5.556	2.845	2.492	3.416	2.755
6/20/08	16:00	5.665	3.06	2.548	3.453	3.184
6/20/08	20:00	5.742	3.095	2.473	3.439	3.226
6/21/08	0:00	5.782	3.051	2.426	3.43	3.084
6/21/08	4:00	5.807	3.046	2.422	3.43	3.033
6/21/08	8:00	5.842	3.055	2.422	3.434	3.014
6/21/08	12:00	5.901	3.219	2.527	3.483	3.348
6/21/08	16:00	5.971	3.389	2.592	3.513	3.723
6/21/08	20:00	6.003	3.352	2.487	3.469	3.611
6/22/08	0:00	6.003	3.265	2.433	3.437	3.413
6/22/08	4:00	6.015	3.237	2.431	3.434	3.308
6/22/08	8:00	6.024	3.223	2.431	3.43	3.245
6/22/08	12:00	6.066	3.359	2.538	3.479	3.506
6/22/08	16:00	6.124	3.517	2.625	3.523	3.889
6/22/08	20:00	6.169	3.541	2.559	3.502	3.919
6/23/08	0:00	6.171	3.45	2.461	3.465	3.663
6/23/08	4:00	6.166	3.401	2.443	3.441	3.523
6/23/08	8:00	6.176	3.389	2.445	3.448	3.441
6/23/08	12:00	6.225	3.545	2.583	3.511	3.758
6/23/08	16:00	6.285	3.695	2.66	3.558	4.101

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
6/23/08	20:00	6.311	3.667	2.557	3.513	4.08
6/24/08	0:00	6.306	3.564	2.468	3.472	3.817
6/24/08	4:00	6.283	3.503	2.443	3.444	3.665
6/24/08	8:00	6.285	3.361	2.417	3.416	3.541
6/24/08	12:00	6.271	3.375	2.424	3.42	3.408
6/24/08	16:00	6.239	2.971	2.389	3.353	3.154
6/24/08	20:00	6.152	3.111	2.398	3.348	2.823
6/25/08	0:00	6.155	3.179	2.403	3.36	2.857
6/25/08	4:00	6.159	3.205	2.405	3.362	2.888
6/25/08	8:00	6.173	3.226	2.405	3.367	2.909
6/25/08	12:00	6.194	3.303	2.457	3.39	3.042
6/25/08	16:00	6.26	3.499	2.541	3.434	3.487
6/25/08	20:00	6.311	3.555	2.494	3.427	3.595
6/26/08	0:00	6.297	3.464	2.426	3.39	3.378
6/26/08	4:00	6.278	3.412	2.412	3.371	3.273
6/26/08	8:00	6.269	3.394	2.41	3.367	3.221
6/26/08	12:00	5.598	2.514	2.352	3.206	2.587
6/26/08	16:00	5.528	2.724	2.422	3.269	2.547
6/26/08	20:00	5.616	2.859	2.419	3.288	2.746
6/27/08	0:00	5.661	2.882	2.391	3.283	2.722
6/27/08	4:00	5.71	2.92	2.384	3.285	2.75
6/27/08	8:00	5.763	2.971	2.398	3.309	2.811
6/27/08	12:00	5.849	3.162	2.501	3.371	3.165
6/27/08	16:00	5.938	3.361	2.55	3.409	3.564
6/27/08	20:00	5.971	3.233	2.433	3.36	3.324
6/28/08	0:00	5.992	3.202	2.41	3.357	3.189
6/28/08	4:00	5.992	3.176	2.398	3.343	3.116
6/28/08	8:00	6.01	3.186	2.398	3.348	3.084
6/28/08	12:00	6.069	3.361	2.508	3.416	3.443
6/28/08	16:00	6.127	3.499	2.557	3.444	3.777
6/28/08	20:00	6.155	3.487	2.492	3.416	3.751
6/29/08	0:00	6.162	3.415	2.431	3.39	3.541
6/29/08	4:00	6.166	3.38	2.419	3.383	3.429
6/29/08	8:00	6.18	3.375	2.431	3.395	3.368
6/29/08	12:00	6.222	3.513	2.529	3.453	3.578
6/29/08	16:00	6.271	3.627	2.59	3.488	3.886
6/29/08	20:00	6.302	3.639	2.538	3.469	3.914
6/30/08	0:00	6.297	3.529	2.452	3.423	3.686
6/30/08	4:00	6.283	3.471	2.424	3.402	3.553
6/30/08	8:00	6.283	3.445	2.424	3.399	3.466
6/30/08	12:00	6.323	3.578	2.538	3.458	3.716
6/30/08	16:00	6.364	3.704	2.601	3.495	4.04
6/30/08	20:00	6.388	3.69	2.543	3.471	4.064
7/1/08	0:00	6.364	3.569	2.45	3.406	3.807
7/1/08	4:00	6.339	3.503	2.419	3.381	3.66
7/1/08	8:00	6.325	3.475	2.419	3.374	3.567
7/1/08	12:00	6.376	3.653	2.55	3.437	3.919
7/1/08	16:00	6.437	3.809	2.639	3.499	4.232
7/1/08	20:00	6.465	3.818	2.569	3.474	4.299
7/2/08	0:00	6.432	3.657	2.447	3.39	4.008

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/2/08	4:00	6.402	3.571	2.412	3.353	3.821
7/2/08	8:00	6.395	3.541	2.415	3.36	3.704
7/2/08	12:00	6.427	3.664	2.522	3.423	3.919
7/2/08	16:00	6.5	3.842	2.632	3.516	4.309
7/2/08	20:00	6.542	3.842	2.566	3.513	4.346
7/3/08	0:00	6.516	3.702	2.466	3.446	4.059
7/3/08	4:00	6.49	3.627	2.429	3.416	3.87
7/3/08	8:00	6.479	3.594	2.429	3.411	3.756
7/3/08	12:00	6.495	3.678	2.513	3.455	3.896
7/3/08	16:00	6.549	3.828	2.594	3.518	4.227
7/3/08	20:00	6.556	3.774	2.515	3.471	4.222
7/4/08	0:00	6.525	3.653	2.433	3.42	3.963
7/4/08	4:00	6.495	3.587	2.41	3.395	3.802
7/4/08	8:00	6.474	3.557	2.403	3.383	3.69
7/4/08	12:00	6.504	3.683	2.506	3.439	3.91
7/4/08	16:00	6.567	3.856	2.592	3.511	4.297
7/4/08	20:00	6.598	3.877	2.531	3.488	4.383
7/5/08	0:00	6.57	3.732	2.438	3.42	4.12
7/5/08	4:00	6.535	3.648	2.408	3.385	3.924
7/5/08	8:00	6.521	3.62	2.417	3.385	3.809
7/5/08	12:00	6.497	3.592	2.419	3.371	3.707
7/5/08	16:00	6.544	3.779	2.557	3.453	4.183
7/5/08	20:00	6.591	3.825	2.51	3.448	4.334
7/6/08	0:00	6.56	3.694	2.424	3.383	4.068
7/6/08	4:00	6.525	3.617	2.396	3.357	3.865
7/6/08	8:00	6.502	3.578	2.398	3.35	3.725
7/6/08	12:00	6.549	3.734	2.482	3.413	3.984
7/6/08	16:00	6.619	3.893	2.524	3.471	4.353
7/6/08	20:00	6.635	3.872	2.487	3.448	4.346
7/7/08	0:00	6.605	3.722	2.405	3.385	4.068
7/7/08	4:00	6.56	3.645	2.391	3.36	3.868
7/7/08	8:00	6.537	3.603	2.391	3.35	3.735
7/7/08	12:00	6.584	3.79	2.517	3.437	4.124
7/7/08	16:00	6.656	3.951	2.552	3.502	4.432
7/7/08	20:00	6.637	3.809	2.438	3.411	4.232
7/8/08	0:00	6.605	3.708	2.405	3.378	3.994
7/8/08	4:00	6.586	3.643	2.382	3.35	3.819
7/8/08	8:00	6.563	3.613	2.387	3.355	3.683
7/8/08	12:00	6.565	3.65	2.417	3.376	3.7
7/8/08	16:00	6.598	3.774	2.51	3.439	3.989
7/8/08	20:00	6.623	3.76	2.459	3.425	3.994
7/9/08	0:00	6.602	3.671	2.405	3.388	3.777
7/9/08	4:00	6.57	3.61	2.389	3.364	3.634
7/9/08	8:00	6.558	3.592	2.394	3.367	3.555
7/9/08	12:00	6.579	3.699	2.492	3.429	3.798
7/9/08	16:00	6.649	3.883	2.543	3.492	4.211
7/9/08	20:00	6.637	3.767	2.429	3.409	3.994
7/10/08	0:00	6.614	3.685	2.403	3.383	3.809
7/10/08	4:00	6.577	3.627	2.384	3.355	3.669
7/10/08	8:00	6.567	3.603	2.389	3.355	3.571

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/10/08	12:00	6.602	3.788	2.517	3.434	3.975
7/10/08	16:00	6.686	4.005	2.62	3.539	4.416
7/10/08	20:00	6.728	4.035	2.564	3.52	4.502
7/11/08	0:00	6.7	3.874	2.445	3.429	4.276
7/11/08	4:00	6.663	3.776	2.408	3.385	4.071
7/11/08	8:00	6.63	3.711	2.398	3.364	3.903
7/11/08	12:00	6.665	3.874	2.529	3.453	4.236
7/11/08	16:00	6.742	4.068	2.641	3.567	4.549
7/11/08	20:00	6.779	4.087	2.568	3.541	4.6
7/12/08	0:00	6.758	3.946	2.471	3.485	4.4
7/12/08	4:00	6.737	3.846	2.436	3.439	4.199
7/12/08	8:00	6.723	3.806	2.424	3.436	4.064
7/12/08	12:00	6.716	3.785	2.429	3.439	3.959
7/12/08	16:00	6.74	3.921	2.531	3.497	4.227
7/12/08	20:00	6.784	4.005	2.52	3.502	4.421
7/13/08	0:00	6.754	3.867	2.419	3.429	4.185
7/13/08	4:00	6.716	3.783	2.403	3.402	4.005
7/13/08	8:00	6.691	3.739	2.403	3.397	3.875
7/13/08	12:00	6.726	3.893	2.538	3.483	4.176
7/13/08	16:00	6.796	4.086	2.629	3.572	4.507
7/13/08	20:00	6.835	4.14	2.564	3.551	4.614
7/14/08	0:00	6.796	3.958	2.44	3.446	4.376
7/14/08	4:00	6.758	3.86	2.412	3.408	4.183
7/14/08	8:00	6.733	3.806	2.405	3.399	4.026
7/14/08	12:00	6.782	4.012	2.552	3.499	4.372
7/14/08	16:00	6.866	4.222	2.685	3.627	4.668
7/14/08	20:00	6.9	4.243	2.62	3.602	4.712
7/15/08	0:00	6.875	4.075	2.482	3.502	4.509
7/15/08	4:00	6.835	3.97	2.436	3.448	4.348
7/15/08	8:00	6.805	3.911	2.431	3.427	4.22
7/15/08	12:00	6.842	4.042	2.536	3.516	4.39
7/15/08	16:00	6.919	4.238	2.638	3.63	4.668
7/15/08	20:00	6.942	4.226	2.559	3.585	4.712
7/16/08	0:00	6.803	3.006	2.354	3.222	3.739
7/16/08	4:00	6.574	2.826	2.307	3.127	2.773
7/16/08	8:00	6.348	2.899	2.324	3.157	2.523
7/16/08	12:00	6.327	3.134	2.368	3.264	2.638
7/16/08	16:00	6.343	3.375	2.457	3.355	2.941
7/16/08	20:00	6.376	3.503	2.447	3.376	3.179
7/17/08	0:00	6.374	3.461	2.394	3.355	3.111
7/17/08	4:00	6.357	3.431	2.377	3.341	3.076
7/17/08	8:00	6.348	3.421	2.38	3.341	3.06
7/17/08	12:00	6.395	3.566	2.471	3.408	3.34
7/17/08	16:00	6.453	3.722	2.547	3.481	3.76
7/17/08	20:00	5.588	2.616	2.333	3.141	2.477
7/18/08	0:00	5.693	2.782	2.345	3.203	2.456
7/18/08	4:00	5.738	2.85	2.342	3.222	2.484
7/18/08	8:00	5.812	2.917	2.345	3.248	2.526
7/18/08	12:00	5.868	3.018	2.398	3.299	2.628
7/18/08	16:00	5.938	3.207	2.461	3.364	2.936

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/18/08	20:00	5.994	3.263	2.429	3.362	3.065
7/19/08	0:00	6.017	3.202	2.373	3.325	2.974
7/19/08	4:00	6.02	3.169	2.359	3.306	2.922
7/19/08	8:00	6.045	3.169	2.361	3.311	2.913
7/19/08	12:00	6.064	3.263	2.438	3.362	3.072
7/19/08	16:00	6.12	3.44	2.517	3.429	3.487
7/19/08	20:00	6.185	3.512	2.473	3.427	3.662
7/20/08	0:00	6.194	3.41	2.398	3.369	3.431
7/20/08	4:00	6.194	3.356	2.377	3.346	3.312
7/20/08	8:00	6.197	3.337	2.368	3.341	3.244
7/20/08	12:00	6.239	3.463	2.466	3.413	3.391
7/20/08	16:00	6.29	3.603	2.547	3.485	3.706
7/20/08	20:00	6.33	3.606	2.484	3.46	3.755
7/21/08	0:00	6.316	3.496	2.408	3.39	3.545
7/21/08	4:00	6.318	3.461	2.391	3.373	3.447
7/21/08	8:00	6.299	3.428	2.382	3.36	3.368
7/21/08	12:00	6.337	3.526	2.466	3.418	3.473
7/21/08	16:00		3.659	2.529	3.49	3.727
7/21/08	20:00	6.381	3.592	2.449	3.436	3.69
7/22/08	0:00	6.364	3.508	2.389	3.383	3.538
7/22/08	4:00	6.353	3.468	2.377	3.369	3.443
7/22/08	8:00	6.346	3.445	2.37	3.362	3.382
7/22/08	12:00	6.353	3.566		3.413	3.552
7/22/08	16:00	6.369	3.72	2.568	3.495	3.886
7/22/08	20:00	6.402	3.729	2.522	3.476	3.963
7/23/08	0:00	6.385	3.617	2.407	3.401	3.748
7/23/08	4:00	6.362	3.557	2.382	3.371	3.608
7/23/08	8:00	6.35	3.529	2.377	3.359	3.529
7/23/08	12:00	6.374	3.629	2.466	3.418	3.65
7/23/08	16:00	6.418	3.753	2.533	3.478	3.909
7/23/08	20:00	6.423	3.685	2.44	3.411	3.828
7/24/08	0:00	6.402	3.615	2.389	3.366	3.683
7/24/08	4:00	6.383	3.578	2.375	3.35	3.583
7/24/08	8:00	6.374	3.55	2.366	3.339	3.51
7/24/08	12:00	6.374	3.594	2.426	3.371	3.543
7/24/08	16:00	6.42	3.727	2.498	3.429	3.795
7/24/08	20:00	6.453	3.75	2.454	3.422	3.874
7/25/08	0:00	6.439	3.652	2.377	3.369	3.681
7/25/08	4:00	6.411	3.592	2.363	3.343	3.552
7/25/08	8:00	6.404	3.573	2.363	3.345	3.48
7/25/08	12:00	6.409	3.573	2.377	3.357	3.457
7/25/08	16:00	6.448	3.711	2.459	3.429	3.669
7/25/08	20:00	6.483	3.774	2.459	3.443	3.804
7/26/08	0:00	6.472	3.676	2.384	3.392	3.629
7/26/08	4:00	6.444	3.617	2.361	3.364	3.515
7/26/08	8:00	6.43	3.587	2.359	3.355	3.44
7/26/08	12:00	6.441	3.622	2.405	3.387	3.496
7/26/08	16:00	6.465	3.746	2.482	3.439	3.741
7/26/08	20:00	6.5	3.795	2.47	3.446	3.877
7/27/08	0:00	6.476	3.685	2.38	3.373	3.676

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/27/08	4:00	6.446	3.624	2.361	3.343	3.545
7/27/08	8:00	6.427	3.589	2.349	3.329	3.459
7/27/08	12:00	6.458	3.718	2.473	3.411	3.678
7/27/08	16:00	6.525	3.904	2.571	3.508	4.082
7/27/08	20:00	6.563	3.93	2.508	3.478	4.185
7/28/08	0:00	6.544	3.795	2.403	3.394	3.935
7/28/08	4:00	6.511	3.718	2.375	3.359	3.765
7/28/08	8:00	6.514	3.694	2.389	3.364	3.671
7/28/08	12:00	6.544	3.825	2.494	3.446	3.949
7/28/08	16:00	6.605	3.995	2.585	3.548	4.248
7/28/08	20:00	6.637	4	2.522	3.513	4.287
7/29/08	0:00	6.618	3.869	2.419	3.439	4.059
7/29/08	4:00	6.586	3.79	2.384	3.397	3.884
7/29/08	8:00	6.558	3.743	2.373	3.378	3.758
7/29/08	12:00	6.579	3.811	2.421	3.413	3.844
7/29/08	16:00	6.628	3.935	2.489	3.471	4.103
7/29/08	20:00	6.644	3.93	2.449	3.45	4.131
7/30/08	0:00	6.611	3.816	2.379	3.394	3.893
7/30/08	4:00	6.581	3.75	2.363	3.369	3.741
7/30/08	8:00	6.558	3.715	2.363	3.364	3.648
7/30/08	12:00	6.574	3.818	2.459	3.429	3.856
7/30/08	16:00	6.649	3.993	2.559	3.532	4.21
7/30/08	20:00	6.684	4.016	2.503	3.504	4.301
7/31/08	0:00	6.658	3.881	2.403	3.425	4.047
7/31/08	4:00	6.618	3.802	2.37	3.383	3.858
7/31/08	8:00	6.595	3.755	2.365	3.369	3.734
7/31/08	12:00	6.618	3.867	2.463	3.441	3.968
7/31/08	16:00	6.695	4.077	2.587	3.562	4.369
7/31/08	20:00	6.74	4.098	2.517	3.536	4.423
8/1/08	0:00	6.719	3.963	2.424	3.457	4.196
8/1/08	4:00	6.684	3.879	2.386	3.418	4.01
8/1/08	8:00	6.665	3.83	2.382	3.411	3.867
8/1/08	12:00	6.688	3.93	2.498	3.494	4.1
8/1/08	16:00	6.758	4.119	2.638	3.616	4.432
8/1/08	20:00	6.789	4.114	2.571	3.583	4.479
8/2/08	0:00	6.754	3.972	2.438	3.485	4.236
8/2/08	4:00	6.716	3.893	2.398	3.439	4.047
8/2/08	8:00	6.684	3.839	2.389	3.42	3.909
8/2/08	12:00	6.702	3.951	2.496	3.487	4.14
8/2/08	16:00	6.777	4.135	2.606	3.599	4.441
8/2/08	20:00	6.819	4.161	2.559	3.583	4.537
8/3/08	0:00	6.789	4.021	2.435	3.483	4.317
8/3/08	4:00	6.756	3.937	2.4	3.441	4.14
8/3/08	8:00	6.726	3.883	2.391	3.422	3.988
8/3/08	12:00	6.772	4.065	2.526	3.534	4.329
8/3/08	16:00	6.852	4.25	2.666	3.678	4.628
8/3/08	20:00	6.891	4.261	2.608	3.643	4.679
8/4/08	0:00	6.866	4.119	2.475	3.536	4.485
8/4/08	4:00	6.84	4.047	2.438	3.49	4.341
8/4/08	8:00	6.817	4.002	2.417	3.471	4.231

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/4/08	12:00	6.831	4.082	2.517	3.546	4.322
8/4/08	16:00	6.886	4.189	2.564	3.608	4.495
8/4/08	20:00	6.914	4.208	2.538	3.606	4.576
8/5/08	0:00	6.882	4.075	2.435	3.52	4.371
8/5/08	4:00	6.849	4.002	2.414	3.494	4.21
8/5/08	8:00	6.826	3.953	2.396	3.473	4.082
8/5/08	12:00	6.828	4	2.463	3.525	4.159
8/5/08	16:00	6.861	4.06	2.484	3.55	4.289
8/5/08	20:00	6.893	4.11	2.505	3.571	4.401
8/6/08	0:00	6.856	4.002	2.417	3.508	4.166
8/6/08	4:00	6.821	3.937	2.393	3.478	4.007
8/6/08	8:00	6.798	3.902	2.386	3.466	3.914
8/6/08	12:00	6.807	3.965	2.47	3.527	4.079
8/6/08	16:00	6.835	4.056	2.512	3.569	4.24
8/6/08	20:00	6.87	4.074	2.494	3.56	4.282
8/7/08	0:00	6.847	3.974	2.412	3.499	4.056
8/7/08	4:00	6.805	3.906	2.386	3.466	3.904
8/7/08	8:00	6.782	3.871	2.386	3.462	3.823
8/7/08	12:00	6.803	3.988	2.508	3.55	4.098
8/7/08	16:00	6.884	4.18	2.864	3.662	4.439
8/7/08	20:00	6.924	4.194	2.538	3.625	4.478
8/8/08	0:00	6.891	4.06	2.433	3.534	4.25
8/8/08	4:00	6.854	3.983	2.403	3.499	4.068
8/8/08	8:00	6.824	3.932	2.391	3.483	3.935
8/8/08	12:00	6.842	4.037	2.515	3.56	4.184
8/8/08	16:00	6.933	4.259	2.62	3.685	4.53
8/8/08	20:00	6.97	4.264	2.566	3.648	4.59
8/9/08	0:00	6.931	4.119	2.447	3.546	4.38
8/9/08	4:00	6.893	4.037	2.414	3.501	4.222
8/9/08	8:00	6.866	3.99	2.403	3.485	4.1
8/9/08	12:00	6.847	3.972	2.405	3.48	4.04
8/9/08	16:00	6.898	4.142	2.543	3.597	4.359
8/9/08	20:00	6.956	4.198	2.522	3.599	4.485
8/10/08	0:00	6.928	4.072	2.421	3.527	4.259
8/10/08	4:00	6.887	3.99	2.391	3.492	4.077
8/10/08	8:00	6.856	3.948	2.389	3.485	3.953
8/10/08	12:00	6.87	4.035	2.496	3.564	4.18
8/10/08	16:00	6.952	4.224	2.594	3.671	4.481
8/10/08	20:00	6.952	4.126	2.447	3.564	4.348
8/11/08	0:00	6.924	4.037	2.412	3.525	4.154
8/11/08	4:00	6.882	3.972	2.389	3.492	3.998
8/11/08	8:00	6.856	3.932	2.389	3.483	3.897
8/11/08	12:00	6.868	4.011	2.466	3.543	4.098
8/11/08	16:00	6.924	4.137	2.512	3.592	4.334
8/11/08	20:00	6.949	4.13	2.47	3.557	4.348
8/12/08	0:00	6.919	4.035	2.41	3.506	4.135
8/12/08	4:00	6.868	3.911	2.377	3.448	3.944
8/12/08	8:00	6.835	3.885	2.37	3.448	3.832
8/12/08	12:00	6.847	3.965	2.452	3.515	3.946
8/12/08	16:00	6.921	4.14	2.538	3.606	4.308

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/12/08	20:00	6.968	4.161	2.489	3.585	4.35
8/13/08	0:00	6.931	4.044	2.41	3.513	4.1
8/13/08	4:00	6.893	3.972	2.384	3.483	3.93
8/13/08	8:00	6.861	3.927	2.375	3.471	3.82
8/13/08	12:00	6.868	3.993	2.454	3.527	3.977
8/13/08	16:00	6.959	4.207	2.571	3.65	4.373
8/13/08	20:00	7.008	4.231	2.531	3.625	4.453
8/14/08	0:00	6.977	4.107	2.438	3.552	4.222
8/14/08	4:00	6.928	4.025	2.405	3.508	4.035
8/14/08	8:00	6.9	3.974	2.391	3.494	3.907
8/14/08	12:00	6.896	4	2.431	3.525	3.977
8/14/08	16:00	6.968	4.184	2.55	3.636	4.329
8/14/08	20:00	7.019	4.207	2.526	3.632	4.436
8/15/08	0:00	6.989	4.093	2.433	3.562	4.191
8/15/08	4:00	6.952	4.018	2.4	3.529	4.007
8/15/08	8:00	6.919	3.974	2.398	3.52	3.886
8/15/08	12:00	6.926	4.028	2.475	3.585	4.035
8/15/08	16:00	7.008	4.214	2.585	3.683	4.408
8/15/08	20:00	7.047	4.235	2.54	3.662	4.502
8/16/08	0:00	7.017	4.116	2.442	3.59	4.266
8/16/08	4:00	6.977	4.042	2.407	3.552	4.07
8/16/08	8:00	6.945	3.995	2.398	3.541	3.93
8/16/08	12:00	6.959	4.077	2.501	3.615	4.154
8/16/08	16:00	7.05	4.28	2.603	3.718	4.511
8/16/08	20:00	7.08	4.268	2.529	3.671	4.532
8/17/08	0:00	7.038	4.142	2.433	3.587	4.313
8/17/08	4:00	6.998	4.07	2.403	3.55	4.137
8/17/08	8:00	6.968	4.021	2.398	3.536	3.995
8/17/08	12:00	6.994	4.144	2.496	3.613	4.259
8/17/08	16:00	7.087	4.329	2.582	3.708	4.569
8/17/08	20:00	7.115	4.329	2.54	3.678	4.611
8/18/08	0:00	7.078	4.198	2.438	3.59	4.406
8/18/08	4:00	7.036	4.116	2.407	3.552	4.238
8/18/08	8:00	7.003	4.06	2.398	3.536	4.084
8/18/08	12:00	7.029	4.184	2.501	3.622	4.317
8/18/08	16:00	7.129	4.392	2.615	3.746	4.623
8/18/08	20:00	7.162	4.373	2.543	3.697	4.637
8/19/08	0:00	7.12	4.233	2.442	3.608	4.429
8/19/08	4:00	7.078	4.151	2.412	3.569	4.266
8/19/08	8:00	7.043	4.095	2.403	3.555	4.112
8/19/08	12:00	7.059	4.184	2.508	3.634	4.301
8/19/08	16:00	7.141	4.345	2.599	3.725	4.548
8/19/08	20:00	7.185	4.38	2.557	3.706	4.655
8/20/08	0:00	7.145	4.242	2.449	3.615	4.455
8/20/08	4:00	7.099	4.158	2.417	3.58	4.284
8/20/08	8:00	7.061	4.102	2.407	3.564	4.128
8/20/08	12:00	7.073	4.177	2.494	3.627	4.296
8/20/08	16:00	7.159	4.371	2.612	3.739	4.588
8/20/08	20:00	7.203	4.387	2.55	3.701	4.667
8/21/08	0:00	7.164	4.259	2.447	3.615	4.469

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/21/08	4:00	7.117	4.172	2.41	3.571	4.303
8/21/08	8:00	7.078	4.114	2.398	3.55	4.147
8/21/08	12:00	7.05	4.098	2.414	3.552	4.079
8/21/08	16:00	7.096	4.24	2.491	3.622	4.364
8/21/08	20:00	7.148	4.294	2.489	3.622	4.466
8/22/08	0:00	7.115	4.179	2.414	3.562	4.252
8/22/08	4:00	7.075	4.114	2.393	3.538	4.093
8/22/08	8:00	7.043	4.07	2.393	3.529	3.986
8/22/08	12:00	7.082	4.221	2.517	3.632	4.326
8/22/08	16:00	7.199	4.431	2.605	3.76	4.63
8/22/08	20:00	7.241	4.427	2.54	3.72	4.662
8/23/08	0:00	7.21	4.301	2.456	3.653	4.459
8/23/08	4:00	7.175	4.224	2.431	3.627	4.308
8/23/08	8:00	7.148	4.177	2.433	3.622	4.177
8/23/08	12:00	7.159	4.249	2.519	3.687	4.352
8/23/08	16:00	7.245	4.429	2.601	3.771	4.611
8/23/08	20:00	7.269	4.406	2.535	3.725	4.623
8/24/08	0:00	7.22	4.277	2.442	3.646	4.413
8/24/08	4:00	7.171	4.198	2.419	3.611	4.242
8/24/08	8:00	7.136	4.147	2.41	3.601	4.098
8/24/08	12:00	7.145	4.217	2.519	3.676	4.294
8/24/08	16:00	7.231	4.401	2.612	3.774	4.569
8/24/08	20:00	7.28	4.42	2.568	3.743	4.658
8/25/08	0:00	7.234	4.291	2.463	3.66	4.452
8/25/08	4:00	7.187	4.212	2.424	3.618	4.282
8/25/08	8:00	7.15	4.156	2.407	3.599	4.126
8/25/08	12:00	7.161	4.245	2.522	3.678	4.331
8/25/08	16:00	7.257	4.434	2.626	3.781	4.618
8/25/08	20:00	7.299	4.443	2.556	3.743	4.679
8/26/08	0:00	7.25	4.305	2.456	3.655	4.469
8/26/08	4:00	7.201	4.224	2.417	3.611	4.305
8/26/08	8:00	7.161	4.165	2.405	3.594	4.151
8/26/08	12:00	7.161	4.221	2.477	3.643	4.287
8/26/08	16:00	7.236	4.38	2.573	3.725	4.543
8/26/08	20:00	7.297	4.434	2.542	3.713	4.66
8/27/08	0:00	7.259	4.315	2.447	3.636	4.464
8/27/08	4:00	7.215	4.24	2.421	3.608	4.315
8/27/08	8:00	7.185	4.203	2.435	3.618	4.198
8/27/08	12:00	7.094	3.869	2.375	3.478	3.937
8/27/08	16:00	7.117	4.112	2.51	3.601	4.235
8/27/08	20:00	7.155	4.175	2.479	3.599	4.263
8/28/08	0:00	7.115	4.102	2.414	3.555	4.042
8/28/08	4:00	7.087	4.072	2.412	3.55	3.937
8/28/08	8:00	7.064	4.037	2.393	3.543	3.871
8/28/08	12:00	7.085	4.112	2.461	3.618	3.983
8/28/08	16:00	7.173	4.277	2.591	3.725	4.34
8/28/08	20:00	7.229	4.296	2.529	3.694	4.354
8/29/08	0:00	7.196	4.193	2.449	3.643	4.119
8/29/08	4:00	7.155	4.126	2.421	3.618	3.969
8/29/08	8:00	7.117	4.084	2.414	3.61	3.876

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/29/08	12:00	7.131	4.165	2.498	3.676	4.079
8/29/08	16:00	7.238	4.364	2.608	3.774	4.427
8/29/08	20:00	7.285	4.366	2.545	3.732	4.45
8/30/08	0:00	7.25	4.263	2.466	3.673	4.252
8/30/08	4:00	7.201	4.189	2.426	3.634	4.074
8/30/08	8:00	7.166	4.144	2.426	3.627	3.969
8/30/08	12:00	7.192	4.242	2.519	3.699	4.212
8/30/08	16:00	7.299	4.431	2.65	3.806	4.532
8/30/08	20:00	7.336	4.448	2.582	3.764	4.606
8/31/08	0:00	7.301	4.329	2.479	3.685	4.403
8/31/08	4:00	7.259	4.254	2.445	3.648	4.247
8/31/08	8:00	7.22	4.2	2.428	3.631	4.114
8/31/08	12:00	7.241	4.287	2.514	3.69	4.315
8/31/08	16:00	7.339	4.476	2.626	3.801	4.62
8/31/08	20:00	7.374	4.487	2.577	3.764	4.695
9/1/08	0:00	7.343	4.373	2.479	3.69	4.506
9/1/08	4:00	7.292	4.289	2.438	3.65	4.343
9/1/08	8:00	7.25	4.231	2.426	3.636	4.198
9/1/08	12:00	7.269	4.317	2.512	3.694	4.382
9/1/08	16:00	7.378	4.518	2.652	3.82	4.695
9/1/08	20:00	7.413	4.532	2.591	3.783	4.753
9/2/08	0:00	7.376	4.408	2.486	3.706	4.562
9/2/08	4:00	7.322	4.317	2.44	3.659	4.399
9/2/08	8:00	7.292	4.273	2.442	3.671	4.275
9/2/08	12:00	7.287	4.273	2.459	3.701	4.256
9/2/08	16:00	7.262	4.217	2.419	3.659	4.128
9/2/08	20:00	7.245	4.207	2.452	3.676	4.118
9/3/08	0:00	7.227	4.177	2.431	3.669	4.027
9/3/08	4:00	7.201	4.149	2.424	3.659	3.971
9/3/08	8:00	7.18	4.121	2.419	3.652	3.918
9/3/08	12:00	7.178	4.167	2.496	3.694	4.1
9/3/08	16:00	7.243	4.307	2.554	3.748	4.361
9/3/08	20:00	7.276	4.3	2.512	3.715	4.373
9/4/08	0:00	7.234	4.207	2.447	3.664	4.16
9/4/08	4:00	7.192	4.151	2.421	3.638	4.023
9/4/08	8:00	7.157	4.107	2.419	3.622	3.922
9/4/08	12:00	7.159	4.153	2.475	3.662	4.069
9/4/08	16:00	7.236	4.317	2.563	3.739	4.377
9/4/08	20:00	7.292	4.343	2.519	3.72	4.401
9/5/08	0:00	7.25	4.235	2.452	3.669	4.17
9/5/08	4:00	7.208	4.172	2.428	3.648	4.018
9/5/08	8:00	7.178	4.13	2.426	3.645	3.927
9/5/08	12:00	7.166	4.132	2.442	3.659	3.946
9/5/08	16:00	7.173	4.151	2.456	3.673	4.004
9/5/08	20:00	7.168	4.132	2.44	3.666	3.948
9/6/08	0:00	7.143	4.088	2.419	3.648	3.848
9/6/08	4:00	7.122	4.06	2.412	3.634	3.803
9/6/08	8:00	7.099	4.044	2.421	3.638	3.785
9/6/08	12:00	7.096	4.044	2.426	3.65	3.801
9/6/08	16:00	7.101	4.074	2.445	3.657	3.892

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
9/6/08	20:00	7.089	4.039	2.431	3.641	3.806
9/7/08	0:00	7.059	3.855	2.389	3.559	3.712
9/7/08	4:00	7.033	3.908	2.402	3.582	3.694
9/7/08	8:00	7.024	3.929	2.419	3.608	3.689
9/7/08	12:00	7.017	3.932	2.419	3.62	3.675
9/7/08	16:00	7.052	4.013	2.463	3.652	3.836
9/7/08	20:00	7.085	4.055	2.461	3.664	3.904
9/8/08	0:00	7.068	4.011	2.435	3.648	3.771
9/8/08	4:00	7.045	3.985	2.426	3.643	3.701
9/8/08	8:00	7.029	3.843	2.402	3.606	3.654
9/8/08	12:00	6.977	3.687	2.382	3.552	3.556
9/8/08	16:00	6.989	3.857	2.458	3.608	3.729
9/8/08	20:00	7.015	3.932	2.447	3.622	3.789
9/9/08	0:00	6.998	3.915	2.423	3.62	3.67
9/9/08	4:00	6.982	3.901	2.419	3.617	3.612
9/9/08	8:00	6.973	3.894	2.426	3.622	3.589
9/9/08	12:00	6.987	3.948	2.477	3.657	3.696
9/9/08	16:00	7.068	4.095	2.542	3.704	4.06
9/9/08	20:00	7.11	4.123	2.507	3.685	4.086
9/10/08	0:00	7.089	4.055	2.449	3.648	3.887
9/10/08	4:00	7.066	4.03	2.444	3.638	3.806
9/10/08	8:00	7.047	4.004	2.437	3.636	3.738
9/10/08	12:00	7.057	4.034	2.458	3.65	3.771
9/10/08	16:00	7.129	4.165	2.512	3.694	4.069
9/10/08	20:00	7.138	4.13	2.468	3.662	3.983
9/11/08	0:00	7.103	4.06	2.44	3.634	3.822
9/11/08	4:00	7.066	4.011	2.426	3.617	3.715
9/11/08	8:00	7.047	3.992	2.421	3.622	3.668
9/11/08	12:00	6.989	3.698	2.389	3.538	3.514
9/11/08	16:00	6.977	3.757	2.389	3.545	3.554
9/11/08	20:00	6.891	3.042	2.328	3.422	3.04
9/12/08	0:00	6.847	3.437	2.365	3.426	3.178
9/12/08	4:00	6.835	3.582	2.377	3.499	3.266
9/12/08	8:00	6.833	3.647	2.382	3.522	3.313
9/12/08	12:00	6.817	3.491	2.358	3.482	3.18
9/12/08	16:00	6.73	3.014	2.314	3.34	2.72
9/12/08	20:00	6.691	3.208	2.337	3.382	2.739
9/13/08	0:00	6.677	3.343	2.351	3.415	2.797
9/13/08	4:00	6.67	3.397	2.354	3.431	2.83
9/13/08	8:00	6.674	3.465	2.356	3.457	2.898
9/13/08	12:00	6.693	3.53	2.372	3.485	2.958
9/13/08	16:00	6.786	3.733	2.458	3.552	3.271
9/13/08	20:00	6.84	3.794	2.435	3.568	3.367
9/14/08	0:00	6.835	3.771	2.398	3.564	3.325
9/14/08	4:00	6.821	3.759	2.386	3.561	3.306
9/14/08	8:00	6.84	3.794	2.416	3.594	3.348
9/14/08	12:00	6.868	3.843	2.43	3.617	3.42
9/14/08	16:00	6.905	3.904	2.463	3.645	3.546
9/14/08	20:00	6.94	3.948	2.472	3.666	3.621
9/15/08	0:00	6.931	3.904	2.437	3.659	3.53

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
9/15/08	4:00	6.91	3.873	2.428	3.657	3.472
9/15/08	8:00	6.9	3.859	2.433	3.664	3.444
9/15/08	12:00	6.924	3.911	2.482	3.694	3.514
9/15/08	16:00	6.982	4.046	2.531	3.717	3.84
9/15/08	20:00	7.008	4.046	2.493	3.694	3.826
9/16/08	0:00	6.989	3.985	2.458	3.68	3.698
9/16/08	4:00	6.961	3.941	2.435	3.666	3.609
9/16/08	8:00	6.94	3.911	2.43	3.664	3.544
9/16/08	12:00	6.98	3.999	2.486	3.701	3.705
9/16/08	16:00	7.052	4.151	2.549	3.738	4.072
9/16/08	20:00	7.078	4.132	2.498	3.708	4.015
9/17/08	0:00	7.045	4.046	2.449	3.683	3.812
9/17/08	4:00	7.015	3.999	2.428	3.671	3.698
9/17/08	8:00	6.991	3.967	2.426	3.669	3.621
9/17/08	12:00	7.031	4.058	2.491	3.715	3.812
9/17/08	16:00	7.113	4.214	2.554	3.755	4.167
9/17/08	20:00	7.134	4.191	2.505	3.724	4.125
9/18/08	0:00	7.094	4.097	2.456	3.696	3.91
9/18/08	4:00	7.061	4.044	2.435	3.685	3.777
9/18/08	8:00	7.033	4.006	2.426	3.68	3.686
9/18/08	12:00	7.054	4.074	2.496	3.722	3.871
9/18/08	16:00	7.141	4.226	2.561	3.759	4.202
9/18/08	20:00	7.159	4.212	2.514	3.731	4.186
9/19/08	0:00	7.122	4.118	2.458	3.699	3.969
9/19/08	4:00	7.082	4.06	2.433	3.685	3.822
9/19/08	8:00	7.054	4.02	2.433	3.68	3.724
9/19/08	12:00	7.064	4.072	2.477	3.71	3.861
9/19/08	16:00	7.136	4.207	2.528	3.745	4.165
9/19/08	20:00	7.164	4.207	2.493	3.722	4.162
9/20/08	0:00	7.124	4.118	2.451	3.699	3.943
9/20/08	4:00	7.089	4.062	2.433	3.687	3.808
9/20/08	8:00	7.061	4.025	2.428	3.689	3.719
9/20/08	12:00	7.071	4.072	2.477	3.72	3.847
9/20/08	16:00	7.152	4.233	2.556	3.762	4.216
9/20/08	20:00	7.173	4.214	2.505	3.736	4.181
9/21/08	0:00	7.138	4.13	2.458	3.715	3.969
9/21/08	4:00	7.103	4.072	2.437	3.699	3.833
9/21/08	8:00	7.075	4.032	2.428	3.696	3.735
9/21/08	12:00	7.075	4.065	2.472	3.722	3.84
9/21/08	16:00	7.138	4.198	2.547	3.759	4.174
9/21/08	20:00	7.162	4.188	2.5	3.731	4.158
9/22/08	0:00	7.131	4.114	2.454	3.71	3.955
9/22/08	4:00	7.101	4.062	2.437	3.701	3.826
9/22/08	8:00	7.066	3.99	2.409	3.673	3.71
9/22/08	12:00	7.005	3.733	2.393	3.617	3.455
9/22/08	16:00	7.029	3.95	2.491	3.671	3.857
9/22/08	20:00	7.061	4.03	2.477	3.685	3.917
9/23/08	0:00	7.047	3.999	2.435	3.673	3.749
9/23/08	4:00	7.026	3.967	2.426	3.671	3.647
9/23/08	8:00	7.01	3.946	2.421	3.675	3.584

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
9/23/08	12:00	7.024	4.013	2.468	3.708	3.742
9/23/08	16:00	7.064	4.048	2.449	3.685	3.91
9/23/08	20:00	7.029	3.943	2.421	3.668	3.693
9/24/08	0:00	7.012	3.922	2.414	3.675	3.593
9/24/08	4:00	6.994	3.904	2.409	3.675	3.525
9/24/08	8:00	6.987	3.899	2.414	3.687	3.49
9/24/08	12:00	6.982	3.899	2.426	3.701	3.479
9/24/08	16:00	7.022	4.016	2.496	3.731	3.808
9/24/08	20:00	7.047	4.034	2.477	3.717	3.852
9/25/08	0:00	7.026	3.976	2.44	3.708	3.686
9/25/08	4:00	7.003	3.941	2.419	3.694	3.593
9/25/08	8:00	6.989	3.922	2.421	3.696	3.537
9/25/08	12:00	6.998	3.978	2.458	3.72	3.675
9/25/08	16:00	7.05	4.104	2.521	3.743	4.036
9/25/08	20:00	7.073	4.102	2.491	3.722	4.034
9/26/08	0:00	7.05	4.032	2.442	3.703	3.833
9/26/08	4:00	7.022	3.983	2.428	3.689	3.705
9/26/08	8:00	7.001	3.953	2.426	3.689	3.626
9/26/08	12:00	7.012	4.023	2.475	3.717	3.838
9/26/08	16:00	7.071	4.158	2.554	3.752	4.216
9/26/08	20:00	7.094	4.151	2.505	3.731	4.204
9/27/08	0:00	7.071	4.074	2.454	3.71	3.978
9/27/08	4:00	7.045	4.02	2.43	3.699	3.826
9/27/08	8:00	7.022	3.985	2.421	3.701	3.719
9/27/08	12:00	7.017	3.997	2.447	3.724	3.742
9/27/08	16:00	7.061	4.109	2.519	3.757	4.095
9/27/08	20:00	7.087	4.118	2.496	3.748	4.123
9/28/08	0:00	7.064	4.044	2.444	3.729	3.887
9/28/08	4:00	7.033	3.992	2.435	3.72	3.747
9/28/08	8:00	7.015	3.964	2.43	3.722	3.658
9/28/08	12:00	7.01	3.974	2.458	3.736	3.71
9/28/08	16:00	7.045	4.095	2.514	3.759	4.076
9/28/08	20:00	7.057	4.081	2.484	3.731	4.05
9/29/08	0:00	7.031	4.018	2.444	3.708	3.864
9/29/08	4:00	7.022	3.974	2.423	3.708	3.735
9/29/08	8:00	7.012	3.953	2.435	3.729	3.651
9/29/08	12:00	7.015	3.974	2.461	3.752	3.705
9/29/08	16:00	7.05	4.079	2.514	3.773	4.05
9/29/08	20:00	7.068	4.086	2.489	3.762	4.034
9/30/08	0:00	7.043	4.02	2.451	3.748	3.822
9/30/08	4:00	7.024	3.978	2.437	3.741	3.7
9/30/08	8:00	7.008	3.953	2.435	3.745	3.623
9/30/08	12:00	7.008	3.976	2.468	3.762	3.714
9/30/08	16:00	7.04	4.088	2.528	3.778	4.088
9/30/08	20:00	7.061	4.093	2.496	3.755	4.074
10/1/08	0:00	7.033	4.018	2.454	3.738	3.852
10/1/08	4:00	7.015	3.983	2.44	3.729	3.749
10/1/08	8:00	7.008	3.962	2.444	3.745	3.672
10/1/08	12:00	7.019	3.999	2.484	3.776	3.812
10/1/08	16:00	7.052	4.086	2.521	3.79	4.097

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/1/08	20:00	7.066	4.081	2.491	3.773	4.067
10/2/08	0:00	7.04	4.009	2.447	3.755	3.838
10/2/08	4:00	7.015	3.967	2.435	3.745	3.707
10/2/08	8:00	6.996	3.939	2.435	3.748	3.621
10/2/08	12:00	6.998	3.967	2.472	3.762	3.719
10/2/08	16:00	7.031	4.076	2.517	3.771	4.083
10/2/08	20:00	7.045	4.074	2.479	3.748	4.046
10/3/08	0:00	7.029	4.016	2.451	3.738	3.857
10/3/08	4:00	7.01	3.976	2.435	3.736	3.735
10/3/08	8:00	6.998	3.948	2.437	3.745	3.647
10/3/08	12:00	7.012	3.997	2.486	3.778	3.803
10/3/08	16:00	7.061	4.118	2.531	3.797	4.174
10/3/08	20:00	7.08	4.107	2.498	3.78	4.13
10/4/08	0:00	7.066	4.048	2.47	3.778	3.938
10/4/08	4:00	7.045	3.997	2.449	3.771	3.791
10/4/08	8:00	7.022	3.964	2.444	3.769	3.689
10/4/08	12:00	7.024	3.988	2.484	3.785	3.819
10/4/08	16:00	7.054	4.102	2.549	3.804	4.197
10/4/08	20:00	7.073	4.1	2.503	3.778	4.176
10/5/08	0:00	7.064	4.058	2.47	3.771	4.015
10/5/08	4:00	7.04	4.009	2.444	3.757	3.861
10/5/08	8:00	7.024	3.971	2.44	3.755	3.752
10/5/08	12:00	7.026	4.004	2.465	3.773	3.875
10/5/08	16:00	7.073	4.137	2.531	3.799	4.274
10/5/08	20:00	7.096	4.139	2.5	3.789	4.249
10/6/08	0:00	7.087	4.081	2.465	3.778	4.076
10/6/08	4:00	7.064	4.032	2.444	3.766	3.922
10/6/08	8:00	7.047	3.997	2.437	3.771	3.805
10/6/08	12:00	7.04	3.997	2.451	3.776	3.838
10/6/08	16:00	7.043	3.871	2.449	3.738	3.945
10/6/08	20:00	6.847	3.178	2.356	3.487	2.722
10/7/08	0:00	6.807	3.458	2.377	3.573	2.83
10/7/08	4:00	6.663	2.846	2.316	3.361	2.442
10/7/08	8:00	6.612	3.147	2.356	3.48	2.575
10/7/08	12:00	6.618	3.35	2.395	3.564	2.715
10/7/08	16:00	6.653	3.511	2.43	3.615	2.963
10/7/08	20:00	6.686	3.593	2.426	3.638	3.082
10/8/08	0:00	6.688	3.607	2.405	3.647	3.093
10/8/08	4:00	6.693	3.624	2.402	3.661	3.114
10/8/08	8:00	6.707	3.642	2.409	3.673	3.142
10/8/08	12:00	6.726	3.696	2.449	3.699	3.32
10/8/08	16:00	6.768	3.785	2.489	3.72	3.588
10/8/08	20:00	6.8	3.801	2.463	3.724	3.551
10/9/08	0:00	6.805	3.773	2.437	3.727	3.439
10/9/08	4:00	6.803	3.754	2.426	3.729	3.383
10/9/08	8:00	6.812	3.754	2.433	3.748	3.362
10/9/08	12:00	6.821	3.785	2.477	3.771	3.504
10/9/08	16:00	6.845	3.859	2.517	3.773	3.796
10/9/08	20:00	6.854	3.862	2.486	3.757	3.756
10/10/08	0:00	6.852	3.822	2.454	3.75	3.609

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/10/08	4:00	6.838	3.794	2.433	3.741	3.52
10/10/08	8:00	6.831	3.775	2.43	3.743	3.46
10/10/08	12:00	6.842	3.806	2.458	3.755	3.562
10/10/08	16:00	6.861	3.883	2.51	3.773	3.875
10/10/08	20:00	6.882	3.89	2.486	3.769	3.828
10/11/08	0:00	6.884	3.855	2.454	3.766	3.667
10/11/08	4:00	6.877	3.824	2.437	3.764	3.569
10/11/08	8:00	6.877	3.815	2.442	3.773	3.516
10/11/08	12:00	6.882	3.827	2.447	3.785	3.525
10/11/08	16:00	6.903	3.904	2.489	3.799	3.831
10/11/08	20:00	6.912	3.89	2.468	3.792	3.775
10/12/08	0:00	6.903	3.852	2.44	3.78	3.646
10/12/08	4:00	6.896	3.834	2.44	3.782	3.569
10/12/08	8:00	6.891	3.815	2.433	3.78	3.516
10/12/08	12:00	6.894	3.831	2.447	3.792	3.548
10/12/08	16:00	6.91	3.892	2.477	3.792	3.814
10/12/08	20:00	6.926	3.899	2.47	3.799	3.782
10/13/08	0:00	6.914	3.864	2.44	3.785	3.665
10/13/08	4:00	6.91	3.841	2.433	3.787	3.597
10/13/08	8:00	6.642	2.699	2.316	3.373	2.447
10/13/08	12:00	6.371	2.646	2.288	3.282	2.356
10/13/08	16:00	6.26	2.8	2.321	3.375	2.435
10/13/08	20:00	6.269	2.986	2.372	3.501	2.554
10/14/08	0:00	6.299	3.115	2.384	3.571	2.634
10/14/08	4:00	6.323	3.196	2.393	3.61	2.701
10/14/08	8:00	6.355	3.266	2.409	3.65	2.769
10/14/08	12:00	6.376	3.308	2.409	3.668	2.818
10/14/08	16:00	6.385	3.299	2.402	3.659	2.834
10/14/08	20:00	6.257	2.72	2.344	3.531	2.4
10/15/08	0:00	6.11	2.786	2.339	3.461	2.4
10/15/08	4:00	5.88	2.468	2.286	3.389	2.279
10/15/08	8:00	5.635	2.622	2.321	3.34	2.361
10/15/08	12:00	5.67	2.732	2.36	3.417	2.438
10/15/08	16:00	5.714	2.823	2.409	3.498	2.587
10/15/08	20:00	5.773	2.888	2.412	3.552	2.68
10/16/08	0:00	5.817	2.93	2.407	3.594	2.727
10/16/08	4:00	5.852	2.963	2.416	3.619	2.769
10/16/08	8:00	5.887	3	2.43	3.65	2.811
10/16/08	12:00	5.922	3.035	2.449	3.675	2.869
10/16/08	16:00	5.945	3.094	2.461	3.68	3.012
10/16/08	20:00	5.975	3.119	2.454	3.687	3.049
10/17/08	0:00	6.003	3.133	2.442	3.692	3.042
10/17/08	4:00	6.013	3.133	2.435	3.687	3.047
10/17/08	8:00	6.024	3.005	2.421	3.671	2.848
10/17/08	12:00	6.043	3.073	2.44	3.692	2.881
10/17/08	16:00	6.075	3.152	2.461	3.71	3.044
10/17/08	20:00	6.106	3.194	2.456	3.727	3.075
10/18/08	0:00	6.124	3.208	2.447	3.734	3.065
10/18/08	4:00	6.136	3.217	2.442	3.736	3.058
10/18/08	8:00	6.155	3.229	2.447	3.748	3.056

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/18/08	12:00	6.169	3.234	2.451	3.752	3.047
10/18/08	16:00	6.171	3.259	2.47	3.745	3.175
10/18/08	20:00	6.187	3.28	2.463	3.741	3.21
10/19/08	0:00	6.199	3.278	2.447	3.736	3.18
10/19/08	4:00	6.206	3.276	2.442	3.731	3.159
10/19/08	8:00	6.213	3.283	2.44	3.734	3.154
10/19/08	12:00	6.229	3.315	2.461	3.748	3.268
10/19/08	16:00	6.257	3.376	2.498	3.757	3.513
10/19/08	20:00	6.288	3.395	2.475	3.761	3.483
10/20/08	0:00	6.306	3.383	2.454	3.764	3.378
10/20/08	4:00	6.323	3.385	2.456	3.775	3.329
10/20/08	8:00	6.343	3.397	2.461	3.794	3.301
10/20/08	12:00	6.364	3.418	2.479	3.817	3.336
10/20/08	16:00	6.378	3.453	2.503	3.82	3.548
10/20/08	20:00	6.395	3.462	2.489	3.817	3.523
10/21/08	0:00	6.399	3.441	2.47	3.815	3.42
10/21/08	4:00	6.404	3.434	2.465	3.81	3.376
10/21/08	8:00	6.404	3.43	2.458	3.806	3.341
10/21/08	12:00	6.397	3.43	2.461	3.801	3.336
10/21/08	16:00	6.376	3.157	2.414	3.75	3.238
10/21/08	20:00	6.295	2.975	2.402	3.685	2.694
10/22/08	0:00	6.267	3.061	2.405	3.687	2.671
10/22/08	4:00	5.901	2.555	2.332	3.463	2.326
10/22/08	8:00	4.906	2.391	2.281	3.17	2.26
10/22/08	12:00	4.938	2.454	2.314	3.27	2.328
10/22/08	16:00	4.982	2.506	2.33	3.324	2.37
10/22/08	20:00	5.069	2.487	2.328	3.363	2.372
10/23/08	0:00	4.836	2.433	2.312	3.296	2.323
10/23/08	4:00	4.901	2.499	2.332	3.349	2.384
10/23/08	8:00	5.006	2.559	2.356	3.415	2.435
10/23/08	12:00	5.092	2.601	2.374	3.47	2.475
10/23/08	16:00	5.162	2.627	2.388	3.501	2.514
10/23/08	20:00	5.215	2.608	2.379	3.508	2.468
10/24/08	0:00	5.257	2.643	2.384	3.529	2.496
10/24/08	4:00	5.281	2.643	2.381	3.531	2.489
10/24/08	8:00	5.318	2.669	2.391	3.55	2.517
10/24/08	12:00	5.337	2.627	2.379	3.538	2.451
10/24/08	16:00	5.358	2.669	2.398	3.561	2.498
10/24/08	20:00	5.393	2.699	2.407	3.582	2.547
10/25/08	0:00	5.425	2.716	2.405	3.591	2.577
10/25/08	4:00	5.449	2.734	2.402	3.594	2.608
10/25/08	8:00	5.479	2.753	2.409	3.601	2.64
10/25/08	12:00	5.509	2.772	2.419	3.612	2.694
10/25/08	16:00	5.537	2.804	2.447	3.619	2.846
10/25/08	20:00	5.581	2.823	2.428	3.624	2.897
10/26/08	0:00	5.609	2.835	2.419	3.624	2.918
10/26/08	4:00	5.663	2.87	2.435	3.659	2.944
10/26/08	8:00	5.719	2.902	2.454	3.692	2.988
10/26/08	12:00	5.77	2.947	2.475	3.727	3.068
10/26/08	16:00	5.803	3.003	2.498	3.75	3.175

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/26/08	20:00	5.849	3.04	2.496	3.761	3.203
10/27/08	0:00	5.875	3.047	2.489	3.768	3.177
10/27/08	4:00	5.896	3.052	2.489	3.771	3.145
10/27/08	8:00	5.926	3.07	2.5	3.789	3.124
10/27/08	12:00	5.954	3.084	2.51	3.803	3.11
10/27/08	16:00	5.966	3.094	2.51	3.796	3.098
10/27/08	20:00	5.989	3.11	2.514	3.803	3.114
10/28/08	0:00	6.01	3.122	2.514	3.806	3.107
10/28/08	4:00	6.027	3.129	2.517	3.808	3.093
10/28/08	8:00	6.045	3.143	2.521	3.813	3.088
10/28/08	12:00	6.064	3.14	2.526	3.813	3.079
10/28/08	16:00	6.054	3.138	2.519	3.792	3.06
10/28/08	20:00	6.073	3.154	2.519	3.789	3.077
10/29/08	0:00	6.087	3.159	2.512	3.782	3.075
10/29/08	4:00	6.094	3.164	2.51	3.775	3.07
10/29/08	8:00	6.106	3.171	2.51	3.773	3.065
10/29/08	12:00	6.134	3.187	2.521	3.792	3.07
10/29/08	16:00	6.138	3.194	2.514	3.78	3.072
10/29/08	20:00	6.157	3.208	2.514	3.782	3.098
10/30/08	0:00	6.169	3.213	2.507	3.778	3.098
10/30/08	4:00	6.18	3.22	2.505	3.78	3.093
10/30/08	8:00	6.187	3.224	2.503	3.778	3.086
10/30/08	12:00	6.204	3.236	2.51	3.787	3.086
10/30/08	16:00	6.206	3.238	2.503	3.771	3.102
10/30/08	20:00	6.229	3.259	2.507	3.785	3.137
10/31/08	0:00	6.248	3.269	2.5	3.794	3.135
10/31/08	4:00	6.267	3.28	2.498	3.801	3.135
10/31/08	8:00	6.283	3.295	2.505	3.813	3.137
10/31/08	12:00	6.299	3.304	2.507	3.824	3.133
10/31/08	16:00	6.306	3.311	2.505	3.808	3.142
10/31/08	20:00	6.32	3.325	2.505	3.82	3.17
11/1/08	0:00	6.329	3.33	2.496	3.82	3.165
11/1/08	4:00	6.336	3.332	2.491	3.82	3.156
11/1/08	8:00	6.343	3.339	2.493	3.824	3.151
11/1/08	12:00	6.353	3.339	2.491	3.829	3.14
11/1/08	16:00	6.343	3.332	2.489	3.81	3.126
11/1/08	20:00	6.353	3.341	2.489	3.808	3.151
11/2/08	0:00	6.357	3.341	2.477	3.801	3.147
11/2/08	4:00	6.36	3.341	2.475	3.799	3.137
11/2/08	8:00	6.364	3.346	2.47	3.794	3.128
11/2/08	12:00	6.374	3.353	2.475	3.801	3.128
11/2/08	16:00	6.367	3.353	2.475	3.787	3.151
11/2/08	20:00	6.378	3.365	2.47	3.789	3.177
11/3/08	0:00	6.385	3.362	2.461	3.787	3.163
11/3/08	4:00	6.385	3.358	2.456	3.782	3.144
11/3/08	8:00	6.392	3.362	2.456	3.785	3.133
11/3/08	12:00	6.404	3.372	2.463	3.796	3.13
11/3/08	16:00	6.411	3.386	2.463	3.799	3.163
11/3/08	20:00	6.425	3.4	2.468	3.813	3.196
11/4/08	0:00	6.432	3.4	2.458	3.815	3.186

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/4/08	4:00	6.434	3.395	2.456	3.81	3.168
11/4/08	8:00	6.432	3.39	2.454	3.803	3.154
11/4/08	12:00	6.432	3.39	2.454	3.801	3.142
11/4/08	16:00	6.416	3.39	2.454	3.782	3.151
11/4/08	20:00	6.427	3.393	2.449	3.782	3.163
11/5/08	0:00	6.432	3.393	2.442	3.778	3.158
11/5/08	4:00	6.425	3.386	2.433	3.766	3.147
11/5/08	8:00	6.425	3.39	2.433	3.764	3.142
11/5/08	12:00	6.434	3.39	2.433	3.761	3.135
11/5/08	16:00	6.437	3.404	2.437	3.771	3.144
11/5/08	20:00	6.441	3.26	2.426	3.766	2.948
11/6/08	0:00	6.451	3.332	2.426	3.775	2.988
11/6/08	4:00	6.448	3.362	2.421	3.773	3.025
11/6/08	8:00	6.444	3.376	2.421	3.768	3.044
11/6/08	12:00	6.453	3.4	2.43	3.782	3.072
11/6/08	16:00	6.465	3.416	2.433	3.785	3.093
11/6/08	20:00	6.49	3.446	2.454	3.82	3.128
11/7/08	0:00	6.504	3.451	2.449	3.822	3.142
11/7/08	4:00	6.502	3.446	2.442	3.82	3.14
11/7/08	8:00	6.507	3.451	2.445	3.822	3.142
11/7/08	12:00	6.523	3.46	2.456	3.831	3.149
11/7/08	16:00	6.523	3.472	2.461	3.838	3.156
11/7/08	20:00	6.539	3.479	2.466	3.848	3.168
11/8/08	0:00	6.544	3.481	2.466	3.848	3.168
11/8/08	4:00	6.544	3.486	2.473	3.857	3.168
11/8/08	8:00	6.558	3.493	2.482	3.869	3.175
11/8/08	12:00	6.57	3.505	2.494	3.883	3.182
11/8/08	16:00	6.574	3.502	2.496	3.883	3.177
11/8/08	20:00	6.586	3.514	2.505	3.894	3.186
11/9/08	0:00	6.591	3.514	2.508	3.901	3.186
11/9/08	4:00	6.595	3.512	2.512	3.908	3.182
11/9/08	8:00	6.6	3.521	2.519	3.915	3.184
11/9/08	12:00	6.607	3.521	2.524	3.915	3.179
11/9/08	16:00	6.604	3.516	2.522	3.906	3.161
11/9/08	20:00	6.611	3.53	2.529	3.913	3.17
11/10/08	0:00	6.623	3.542	2.538	3.924	3.182
11/10/08	4:00	6.628	3.544	2.536	3.92	3.184
11/10/08	8:00	6.632	3.544	2.54	3.924	3.179
11/10/08	12:00	6.635	3.542	2.543	3.927	3.17
11/10/08	16:00	6.63	3.479	2.531	3.908	3.109
11/10/08	20:00	6.6	3.096	2.51	3.864	2.634
11/11/08	0:00	6.53	3.138	2.503	3.848	2.582
11/11/08	4:00	6.504	3.209	2.501	3.838	2.596
11/11/08	8:00	6.493	3.178	2.505	3.831	2.587
11/11/08	12:00	6.488	3.176	2.508	3.834	2.592
11/11/08	16:00	6.427	2.9	2.482	3.778	2.466
11/11/08	20:00	6.313	2.826	2.48	3.726	2.417
11/12/08	0:00	6.288	2.959	2.498	3.759	2.503
11/12/08	4:00	6.29	3.05	2.515	3.787	2.568
11/12/08	8:00	6.304	3.124	2.519	3.808	2.631

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/12/08	12:00	6.327	3.178	2.526	3.827	2.692
11/12/08	16:00	6.332	3.204	2.522	3.822	2.739
11/12/08	20:00	6.346	3.232	2.519	3.82	2.79
11/13/08	0:00	6.35	3.246	2.51	3.815	2.832
11/13/08	4:00	6.35	3.258	2.51	3.808	2.862
11/13/08	8:00	6.355	3.269	2.505	3.806	2.881
11/13/08	12:00	6.367	3.279	2.501	3.801	2.904
11/13/08	16:00	6.371	3.286	2.503	3.801	2.914
11/13/08	20:00	6.39	3.153	2.487	3.78	2.715
11/14/08	0:00	6.39	3.213	2.491	3.801	2.762
11/14/08	4:00	6.402	3.26	2.496	3.792	2.832
11/14/08	8:00	6.43	3.307	2.508	3.836	2.895
11/14/08	12:00	6.458	3.337	2.519	3.866	2.942
11/14/08	16:00	6.479	3.356	2.519	3.876	2.967
11/14/08	20:00	6.5	3.379	2.533	3.896	2.998
11/15/08	0:00	6.518	3.384	2.531	3.913	3.002
11/15/08	4:00	6.53	3.402	2.54	3.922	3.03
11/15/08	8:00	6.542	3.414	2.545	3.929	3.051
11/15/08	12:00	6.551	3.423	2.55	3.938	3.063
11/15/08	16:00	6.546	3.423	2.547	3.929	3.061
11/15/08	20:00	6.556	3.43	2.55	3.931	3.075
11/16/08	0:00	6.551	3.43	2.543	3.92	3.079
11/16/08	4:00	6.539	3.426	2.536	3.903	3.079
11/16/08	8:00	6.546	3.437	2.543	3.908	3.086
11/16/08	12:00	6.572	3.454	2.559	3.934	3.093
11/16/08	16:00	6.584	3.458	2.559	3.936	3.089
11/16/08	20:00	6.6	3.472	2.568	3.95	3.105
11/17/08	0:00	6.614	3.479	2.571	3.959	3.114
11/17/08	4:00	6.625	3.491	2.578	3.971	3.126
11/17/08	8:00	6.639	3.498	2.585	3.978	3.135
11/17/08	12:00	6.653	3.512	2.594	3.997	3.147
11/17/08	16:00	6.653	3.512	2.592	3.992	3.142
11/17/08	20:00	6.665	3.521	2.599	4.004	3.156
11/18/08	0:00	6.672	3.528	2.594	4.008	3.168
11/18/08	4:00	6.679	3.531	2.597	4.011	3.168
11/18/08	8:00	6.677	3.526	2.594	4.006	3.166
11/18/08	12:00	6.681	3.526	2.592	3.999	3.163
11/18/08	16:00	6.644	3.498	2.573	3.962	3.126
11/18/08	20:00	6.635	3.498	2.571	3.948	3.124
11/19/08	0:00	6.625	3.491	2.559	3.929	3.121
11/19/08	4:00	6.623	3.493	2.559	3.92	3.119
11/19/08	8:00	6.642	3.512	2.566	3.931	3.135
11/19/08	12:00	6.67	3.531	2.58	3.957	3.149
11/19/08	16:00	6.686	3.542	2.587	3.969	3.145
11/19/08	20:00	6.707	3.561	2.601	3.997	3.177
11/20/08	0:00	6.721	3.568	2.601	4.011	3.187
11/20/08	4:00	6.73	3.573	2.608	4.018	3.196
11/20/08	8:00	6.74	3.58	2.615	4.029	3.198
11/20/08	12:00	6.751	3.589	2.625	4.048	3.205
11/20/08	16:00	6.754	3.587	2.622	4.046	3.201

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/20/08	20:00	6.763	3.594	2.632	4.057	3.212
11/21/08	0:00	6.763	3.596	2.627	4.055	3.217
11/21/08	4:00	6.768	3.608	2.632	4.064	3.231
11/21/08	8:00	6.765	3.622	2.634	4.057	3.25
11/21/08	12:00	6.765	3.61	2.622	4.05	3.236
11/21/08	16:00	6.747	3.552	2.615	4.029	3.157
11/21/08	20:00	6.742	3.557	2.618	4.022	3.152
11/22/08	0:00	6.744	3.564	2.613	4.015	3.157
11/22/08	4:00	6.74	3.568	2.613	4.006	3.161
11/22/08	8:00	6.74	3.575	2.611	4.001	3.164
11/22/08	12:00	6.749	3.58	2.613	4.008	3.168
11/22/08	16:00	6.754	3.578	2.615	4.004	3.164
11/22/08	20:00	6.768	3.594	2.615	4.008	3.18
11/23/08	0:00	6.768	3.596	2.611	4.006	3.187
11/23/08	4:00	6.763	3.594	2.613	4.004	3.189
11/23/08	8:00	6.756	3.596	2.608	4.001	3.189
11/23/08	12:00	6.758	3.58	2.604	3.994	3.171
11/23/08	16:00	6.744	3.566	2.606	3.987	3.145
11/23/08	20:00	6.772	3.594	2.618	4.008	3.166
11/24/08	0:00	6.789	3.608	2.62	4.022	3.187
11/24/08	4:00	6.796	3.613	2.622	4.034	3.194
11/24/08	8:00	6.803	3.622	2.629	4.046	3.206
11/24/08	12:00	6.803	3.617	2.625	4.046	3.196
11/24/08	16:00	6.793	3.603	2.625	4.032	3.171
11/24/08	20:00	6.8	3.613	2.627	4.032	3.182
11/25/08	0:00	6.81	3.622	2.629	4.043	3.196
11/25/08	4:00	6.812	3.631	2.632	4.048	3.208
11/25/08	8:00	6.817	3.643	2.634	4.055	3.222
11/25/08	12:00	6.821	3.627	2.627	4.048	3.208
11/25/08	16:00	6.8	3.589	2.62	4.025	3.166
11/25/08	20:00	6.803	3.606	2.625	4.027	3.171
11/26/08	0:00	6.807	3.613	2.625	4.027	3.178
11/26/08	4:00	6.81	3.622	2.627	4.032	3.182
11/26/08	8:00	6.819	3.636	2.632	4.041	3.196
11/26/08	12:00	6.828	3.631	2.634	4.05	3.194
11/26/08	16:00	6.821	3.608	2.627	4.036	3.164
11/26/08	20:00	6.826	3.617	2.62	4.027	3.166
11/27/08	0:00	6.831	3.629	2.622	4.034	3.178
11/27/08	4:00	6.835	3.638	2.627	4.041	3.185
11/27/08	8:00	6.838	3.648	2.634	4.05	3.194
11/27/08	12:00	6.851	3.645	2.639	4.066	3.201
11/27/08	16:00	6.849	3.629	2.639	4.057	3.178
11/27/08	20:00	6.852	3.636	2.639	4.064	3.182
11/28/08	0:00	6.854	3.641	2.639	4.064	3.182
11/28/08	4:00	6.854	3.641	2.641	4.064	3.187
11/28/08	8:00	6.854	3.65	2.641	4.064	3.192
11/28/08	12:00	6.859	3.65	2.641	4.069	3.199
11/28/08	16:00	6.838	3.613	2.632	4.043	3.161
11/28/08	20:00	6.838	3.622	2.634	4.039	3.164
11/29/08	0:00	6.842	3.627	2.634	4.043	3.166

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/29/08	4:00	6.835	3.599	2.622	4.029	3.124
11/29/08	8:00	6.824	3.566	2.618	4.018	3.05
11/29/08	12:00	6.817	3.561	2.613	4.008	3.05
11/29/08	16:00	6.798	3.538	2.606	3.997	3.003
11/29/08	20:00	6.803	3.561	2.611	4.004	3.024
11/30/08	0:00	6.81	3.575	2.611	4.006	3.052
11/30/08	4:00	6.807	3.582	2.611	4.004	3.073
11/30/08	8:00	6.812	3.599	2.613	4.008	3.096
11/30/08	12:00	6.826	3.613	2.618	4.02	3.117
11/30/08	16:00	6.828	3.61	2.618	4.018	3.12
11/30/08	20:00	6.845	3.624	2.627	4.034	3.138
12/1/08	0:00	6.854	3.629	2.627	4.039	3.143
12/1/08	4:00	6.863	3.641	2.634	4.057	3.155
12/1/08	8:00	6.872	3.652	2.639	4.069	3.169
12/1/08	12:00	6.884	3.662	2.646	4.085	3.185
12/1/08	16:00	6.882	3.65	2.641	4.078	3.176
12/1/08	20:00	6.884	3.655	2.641	4.078	3.176
12/2/08	0:00	6.882	3.666	2.641	4.08	3.19
12/2/08	4:00	6.875	3.662	2.637	4.071	3.197
12/2/08	8:00	6.861	3.643	2.634	4.053	3.178
12/2/08	12:00	6.865	3.646	2.632	4.053	3.171
12/2/08	16:00	6.861	3.625	2.627	4.029	3.145
12/2/08	20:00	6.866	3.641	2.632	4.039	3.157
12/3/08	0:00	6.875	3.653	2.632	4.048	3.173
12/3/08	4:00	6.896	3.671	2.655	4.083	3.197
12/3/08	8:00	6.907	3.678	2.66	4.101	3.208
12/3/08	12:00	6.928	3.695	2.674	4.125	3.232
12/3/08	16:00	6.931	3.681	2.669	4.127	3.215
12/3/08	20:00	6.94	3.697	2.679	4.139	3.232
12/4/08	0:00	6.947	3.711	2.683	4.153	3.253
12/4/08	4:00	6.952	3.723	2.69	4.162	3.276
12/4/08	8:00	6.963	3.734	2.697	4.176	3.297
12/4/08	12:00	6.975	3.744	2.711	4.197	3.316
12/4/08	16:00	6.975	3.713	2.697	4.188	3.26
12/4/08	20:00	6.982	3.727	2.711	4.199	3.267
12/5/08	0:00	6.984	3.746	2.714	4.202	3.32
12/5/08	4:00	6.977	3.753	2.707	4.192	3.348
12/5/08	8:00	6.968	3.753	2.697	4.176	3.369
12/5/08	12:00	6.956	3.73	2.679	4.15	3.346
12/5/08	16:00	6.924	3.667	2.653	4.104	3.236
12/5/08	20:00	6.905	3.65	2.658	4.092	3.173
12/6/08	0:00	6.903	3.643	2.66	4.087	3.141
12/6/08	4:00	6.912	3.643	2.662	4.09	3.122
12/6/08	8:00	6.931	3.657	2.676	4.108	3.124
12/6/08	12:00	6.959	3.683	2.693	4.143	3.15
12/6/08	16:00	6.966	3.664	2.688	4.143	3.12
12/6/08	20:00	6.977	3.69	2.7	4.16	3.148
12/7/08	0:00	6.982	3.72	2.7	4.164	3.211
12/7/08	4:00	6.98	3.72	2.693	4.155	3.236
12/7/08	8:00	6.973	3.725	2.697	4.155	3.26

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
12/7/08	12:00	6.963	3.723	2.688	4.141	3.274
12/7/08	16:00	6.945	3.671	2.674	4.113	3.19
12/7/08	20:00	6.938	3.657	2.676	4.111	3.145
12/8/08	0:00	6.935	3.648	2.672	4.099	3.134
12/8/08	4:00	6.928	3.641	2.669	4.09	3.122
12/8/08	8:00	6.921	3.643	2.669	4.085	3.122
12/8/08	12:00	6.917	3.634	2.667	4.076	3.118
12/8/08	16:00	6.905	3.601	2.658	4.064	3.087
12/8/08	20:00	6.912	3.622	2.665	4.071	3.099
12/9/08	0:00	6.931	3.65	2.674	4.09	3.127
12/9/08	4:00	6.952	3.678	2.681	4.108	3.157
12/9/08	8:00	6.982	3.713	2.695	4.139	3.199
12/9/08	12:00	7.001	3.739	2.714	4.178	3.239
12/9/08	16:00	7.008	3.737	2.718	4.19	3.241
12/9/08	20:00	7.017	3.76	2.73	4.213	3.283
12/10/08	0:00	7.026	3.776	2.73	4.223	3.33
12/10/08	4:00	7.029	3.786	2.732	4.227	3.374
12/10/08	8:00	7.036	3.795	2.73	4.23	3.407
12/10/08	12:00	7.038	3.781	2.714	4.22	3.39
12/10/08	16:00	7.022	3.734	2.695	4.19	3.297
12/10/08	20:00	7.019	3.72	2.702	4.188	3.243
12/11/08	0:00	7.012	3.711	2.697	4.176	3.225
12/11/08	4:00	7.01	3.725	2.704	4.178	3.255
12/11/08	8:00	7.019	3.751	2.711	4.188	3.295
12/11/08	12:00	7.031	3.741	2.709	4.197	3.272
12/11/08	16:00	7.024	3.706	2.702	4.185	3.181
12/11/08	20:00	7.029	3.695	2.711	4.192	3.136
12/12/08	0:00	7.038	3.702	2.721	4.204	3.141
12/12/08	4:00	7.04	3.713	2.723	4.211	3.169
12/12/08	8:00	7.036	3.718	2.718	4.202	3.213
12/12/08	12:00	7.038	3.732	2.716	4.199	3.241
12/12/08	16:00	7.012	3.685	2.702	4.171	3.164
12/12/08	20:00	6.996	3.669	2.702	4.153	3.143
12/13/08	0:00	6.984	3.667	2.697	4.139	3.155
12/13/08	4:00	6.966	3.655	2.683	4.113	3.15
12/13/08	8:00	6.954	3.662	2.683	4.101	3.162
12/13/08	12:00	6.952	3.662	2.679	4.092	3.16
12/13/08	16:00	6.942	3.622	2.667	4.076	3.108
12/13/08	20:00	6.945	3.629	2.672	4.078	3.118
12/14/08	0:00	6.942	3.634	2.665	4.067	3.125
12/14/08	4:00	6.935	3.634	2.662	4.064	3.125
12/14/08	8:00	6.966	3.674	2.693	4.108	3.16
12/14/08	12:00	7.012	3.723	2.704	4.155	3.218
12/14/08	16:00	7.033	3.751	2.709	4.176	3.267
12/14/08	20:00	7.052	3.793	2.735	4.213	3.335
12/15/08	0:00	7.071	3.818	2.76	4.251	3.412
12/15/08	4:00	7.087	3.832	2.781	4.281	3.468
12/15/08	8:00	7.103	3.844	2.795	4.304	3.509
12/15/08	12:00	7.119	3.858	2.805	4.32	3.547
12/15/08	16:00	7.127	3.842	2.774	4.318	3.521

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
12/15/08	20:00	7.131	3.844	2.781	4.325	3.547
12/16/08	0:00	7.136	3.849	2.784	4.327	3.572
12/16/08	4:00	7.131	3.846	2.774	4.316	3.579
12/16/08	8:00	7.117	3.832	2.767	4.297	3.577
12/16/08	12:00	7.108	3.816	2.723	4.271	3.533
12/16/08	16:00	7.089	3.783	2.686	4.241	3.454
12/16/08	20:00	7.092	3.774	2.677	4.237	3.402
12/17/08	0:00	7.094	3.769	2.677	4.237	3.372
12/17/08	4:00	7.101	3.786	2.684	4.248	3.377
12/17/08	8:00	7.115	3.797	2.691	4.26	3.386
12/17/08	12:00	7.126	3.8	2.691	4.267	3.381
12/17/08	16:00	7.119	3.776	2.677	4.248	3.349
12/17/08	20:00	7.115	3.767	2.677	4.246	3.318
12/18/08	0:00	7.119	3.762	2.674	4.248	3.297
12/18/08	4:00	7.113	3.762	2.679	4.248	3.297
12/18/08	8:00	7.119	3.776	2.681	4.257	3.321
12/18/08	12:00	7.122	3.786	2.681	4.264	3.342
12/18/08	16:00	7.101	3.755	2.656	4.232	3.304
12/18/08	20:00	7.089	3.734	2.646	4.213	3.269
12/19/08	0:00	7.061	3.695	2.625	4.176	3.223
12/19/08	4:00	7.057	3.706	2.649	4.188	3.199
12/19/08	8:00	7.089	3.727	2.665	4.223	3.202
12/19/08	12:00	7.113	3.739	2.67	4.248	3.202
12/19/08	16:00	7.103	3.718	2.653	4.225	3.176
12/19/08	20:00	7.106	3.72	2.667	4.239	3.174
12/20/08	0:00	7.099	3.711	2.663	4.227	3.164
12/20/08	4:00	7.08	3.702	2.663	4.209	3.155
12/20/08	8:00	7.092	3.718	2.67	4.225	3.174
12/20/08	12:00	7.108	3.737	2.684	4.251	3.195
12/20/08	16:00	7.115	3.741	2.684	4.255	3.199
12/20/08	20:00	7.133	3.755	2.695	4.274	3.218
12/21/08	0:00	7.14	3.769	2.705	4.288	3.26
12/21/08	4:00	7.145	3.786	2.714	4.304	3.316
12/21/08	8:00	7.15	3.797	2.719	4.311	3.365
12/21/08	12:00	7.154	3.814	2.726	4.332	3.412
12/21/08	16:00	7.164	3.821	2.719	4.341	3.423
12/21/08	20:00	7.175	3.823	2.719	4.348	3.43
12/22/08	0:00	7.18	3.83	2.721	4.358	3.456
12/22/08	4:00	7.185	3.835	2.721	4.358	3.479
12/22/08	8:00	7.185	3.839	2.726	4.358	3.5
12/22/08	12:00	7.185	3.839	2.716	4.351	3.517
12/22/08	16:00	7.159	3.811	2.684	4.313	3.477
12/22/08	20:00	7.145	3.79	2.677	4.295	3.435
12/23/08	0:00	7.129	3.772	2.663	4.272	3.395
12/23/08	4:00	7.112	3.755	2.644	4.248	3.363
12/23/08	8:00	7.103	3.744	2.646	4.239	3.337
12/23/08	12:00	7.103	3.741	2.644	4.234	3.316
12/23/08	16:00	7.099	3.732	2.642	4.225	3.288
12/23/08	20:00	7.113	3.739	2.653	4.241	3.269
12/24/08	0:00	7.126	3.739	2.653	4.248	3.253

Table S1.4 (Cont.)

Date	Time	Depth to Water (ft below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
12/24/08	4:00	7.126	3.739	2.66	4.258	3.237
12/24/08	8:00	7.14	3.751	2.672	4.274	3.246
12/24/08	12:00	7.154	3.769	2.691	4.3	3.272
12/24/08	16:00	7.164	3.776	2.695	4.309	3.286
12/24/08	20:00	7.173	3.772	2.7	4.311	3.279
12/25/08	0:00	7.175	3.781	2.714	4.323	3.297
12/25/08	4:00	7.173	3.786	2.721	4.325	3.328
12/25/08	8:00	7.168	3.783	2.716	4.316	3.349
12/25/08	12:00	7.161	3.783	2.712	4.309	3.351
12/25/08	16:00	7.131	3.744	2.679	4.262	3.302
12/25/08	20:00	7.119	3.734	2.672	4.255	3.267
12/26/08	0:00	7.11	3.716	2.658	4.234	3.232
12/26/08	4:00	7.103	3.706	2.66	4.23	3.206
12/26/08	8:00	7.101	3.702	2.656	4.22	3.19
12/26/08	12:00	7.094	3.674	2.63	4.202	3.127
12/26/08	16:00	6.94	3.207	2.59	4.139	2.691
12/26/08	20:00	6.798	3.093	2.607	4.122	2.532
12/27/08	0:00	6.791	3.132	2.628	4.15	2.525
12/27/08	4:00	6.814	3.275	2.649	4.171	2.588
12/27/08	8:00	6.851	3.373	2.658	4.192	2.677
12/27/08	12:00	6.877	3.436	2.667	4.204	2.766
12/27/08	16:00	6.898	3.471	2.665	4.202	2.826
12/27/08	20:00	6.928	3.508	2.679	4.22	2.882
12/28/08	0:00	6.954	3.534	2.684	4.23	2.934
12/28/08	4:00	6.975	3.557	2.693	4.244	2.976
12/28/08	8:00	6.991	3.585	2.707	4.253	3.034
12/28/08	12:00	7.015	3.618	2.723	4.272	3.104
12/28/08	16:00	7.024	3.62	2.705	4.262	3.094
12/28/08	20:00	7.038	3.625	2.702	4.269	3.073
12/29/08	0:00	7.043	3.627	2.705	4.267	3.094
12/29/08	4:00	7.047	3.634	2.712	4.267	3.108
12/29/08	8:00	7.064	3.657	2.735	4.295	3.143
12/29/08	12:00	7.085	3.674	2.744	4.316	3.178
12/29/08	16:00	7.089	3.641	2.712	4.302	3.073
12/29/08	20:00	7.089	3.629	2.716	4.3	3.017
12/30/08	0:00	7.073	3.629	2.709	4.279	3.052
12/30/08	4:00	7.052	3.618	2.695	4.253	3.066
12/30/08	8:00	7.038	3.618	2.688	4.234	3.094
12/30/08	12:00	7.057	3.655	2.712	4.262	3.15
12/30/08	16:00	7.085	3.648	2.709	4.279	3.09
12/30/08	20:00	7.108	3.671	2.742	4.318	3.066
12/31/08	0:00	7.126	3.688	2.744	4.339	3.125
12/31/08	4:00	7.138	3.706	2.765	4.358	3.209
12/31/08	8:00	7.147	3.739	2.791	4.367	3.316
12/31/08	12:00	7.157	3.774	2.814	4.381	3.4
12/31/08	16:00	7.145	3.751	2.772	4.353	3.372
12/31/08	20:00	7.131	3.737	2.763	4.332	3.358

TABLE S1.5 Wetlands discharge flow rates calculated from measurements made at the V-notch and R-notch weirs.

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/1/08 0:00	1.599	0.620	0.175	78.322	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/1/08 1:00	1.595	0.616	0.172	77.080	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/1/08 2:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/1/08 3:00	1.602	0.623	0.177	79.261	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/1/08 4:00	1.586	0.607	0.166	74.329	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 5:00	1.581	0.602	0.162	72.827	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 6:00	1.579	0.600	0.161	72.231	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 7:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/1/08 8:00	1.575	0.596	0.158	71.049	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 9:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/1/08 10:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/1/08 11:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/1/08 12:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/1/08 13:00	1.56	0.581	0.149	66.717	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/1/08 14:00	1.564	0.585	0.151	67.856	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 15:00	1.569	0.590	0.154	69.296	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 16:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 17:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 18:00	1.58	0.601	0.162	72.529	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 19:00	1.562	0.583	0.150	67.285	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/1/08 20:00	1.56	0.581	0.149	66.717	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/1/08 21:00	1.555	0.576	0.146	65.310	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/1/08 22:00	1.553	0.574	0.144	64.752	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/1/08 23:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 0:00	1.551	0.572	0.143	64.197	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/2/08 1:00	1.546	0.567	0.140	62.821	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/2/08 2:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 3:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 4:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 5:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 6:00	1.544	0.565	0.139	62.276	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 7:00	1.54	0.561	0.136	61.195	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/2/08 8:00	1.54	0.561	0.136	61.195	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 9:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 10:00	1.532	0.553	0.132	59.065	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/2/08 11:00	1.535	0.556	0.133	59.859	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/2/08 12:00	1.537	0.558	0.135	60.391	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/2/08 13:00	1.56	0.581	0.149	66.717	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/2/08 14:00	1.553	0.574	0.144	64.752	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/2/08 15:00	1.562	0.583	0.150	67.285	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/2/08 16:00	1.573	0.594	0.157	70.462	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/2/08 17:00	1.578	0.599	0.160	71.935	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/2/08 18:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/2/08 19:00	1.573	0.594	0.157	70.462	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/2/08 20:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/2/08 21:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/2/08 22:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/2/08 23:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/3/08 0:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/3/08 1:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/3/08 2:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/3/08 3:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/3/08 4:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/3/08 5:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/3/08 6:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/3/08 7:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/3/08 8:00	1.554	0.575	0.145	65.030	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/3/08 9:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/3/08 10:00	1.554	0.575	0.145	65.030	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/3/08 11:00	1.542	0.563	0.138	61.734	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/3/08 12:00	1.565	0.586	0.152	68.143	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/3/08 13:00	1.562	0.583	0.150	67.285	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/3/08 14:00	1.571	0.592	0.156	69.878	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/3/08 15:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/3/08 16:00	1.59	0.611	0.168	75.544	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/3/08 17:00	1.594	0.615	0.171	76.771	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/3/08 18:00	1.594	0.615	0.171	76.771	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/3/08 19:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/3/08 20:00	1.59	0.611	0.168	75.544	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/3/08 21:00	1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/3/08 22:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/3/08 23:00	1.593	0.614	0.170	76.463	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 0:00	1.593	0.614	0.170	76.463	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 1:00	1.591	0.612	0.169	75.850	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 2:00	1.591	0.612	0.169	75.850	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/4/08 3:00	1.598	0.619	0.174	78.010	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 4:00	1.591	0.612	0.169	75.850	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 5:00	1.591	0.612	0.169	75.850	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 6:00	1.591	0.612	0.169	75.850	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 7:00	1.588	0.609	0.167	74.935	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 8:00	1.588	0.609	0.167	74.935	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 9:00	1.586	0.607	0.166	74.329	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 10:00	1.584	0.605	0.164	73.726	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 11:00	1.586	0.607	0.166	74.329	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 12:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 13:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/4/08 14:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 15:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 16:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/4/08 17:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/4/08 18:00	1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 19:00	1.601	0.622	0.176	78.947	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 20:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/4/08 21:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/4/08 22:00	1.604	0.625	0.178	79.890	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/4/08 23:00	1.606	0.627	0.179	80.523	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 0:00	1.604	0.625	0.178	79.890	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 1:00	1.602	0.623	0.177	79.261	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 2:00	1.604	0.625	0.178	79.890	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 3:00	1.599	0.620	0.175	78.322	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/5/08 4:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 5:00	1.599	0.620	0.175	78.322	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 6:00	1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 7:00	1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 8:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 9:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 10:00	1.595	0.616	0.172	77.080	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 11:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 12:00	1.594	0.615	0.171	76.771	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/5/08 13:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/5/08 14:00	1.605	0.626	0.179	80.206	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/5/08 15:00	1.614	0.635	0.185	83.085	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/5/08 16:00	1.621	0.642	0.190	85.365	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/5/08 17:00	1.632	0.653	0.198	89.024	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/5/08 18:00	1.626	0.647	0.194	87.017	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/5/08 19:00	1.626	0.647	0.194	87.017	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/5/08 20:00	1.621	0.642	0.190	85.365	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/5/08 21:00	1.619	0.640	0.189	84.710	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/5/08 22:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/5/08 23:00	1.624	0.645	0.192	86.354	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 0:00	1.622	0.643	0.191	85.694	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 1:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 2:00	1.625	0.646	0.193	86.685	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 3:00	1.622	0.643	0.191	85.694	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 4:00	1.622	0.643	0.191	85.694	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/6/08 5:00	1.618	0.639	0.188	84.383	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 6:00	1.62	0.641	0.189	85.037	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 7:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 8:00	1.618	0.639	0.188	84.383	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 9:00	1.618	0.639	0.188	84.383	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 10:00	1.615	0.636	0.186	83.408	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 11:00	1.615	0.636	0.186	83.408	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 12:00	1.615	0.636	0.186	83.408	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 13:00	1.617	0.638	0.187	84.057	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 14:00	1.621	0.642	0.190	85.365	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 15:00	1.63	0.651	0.197	88.352	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 16:00	1.642	0.663	0.206	92.431	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/6/08 17:00	1.646	0.667	0.209	93.815	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/6/08 18:00	1.649	0.670	0.211	94.862	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/6/08 19:00	1.644	0.665	0.207	93.122	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 20:00	1.64	0.661	0.204	91.744	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 21:00	1.631	0.652	0.198	88.688	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/6/08 22:00	1.628	0.649	0.195	87.683	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/6/08 23:00	1.626	0.647	0.194	87.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/7/08 0:00	1.626	0.647	0.194	87.017	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 1:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 2:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 3:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 4:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 5:00	1.629	0.650	0.196	88.017	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/7/08 6:00	1.634	0.655	0.200	89.700	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 7:00	1.625	0.646	0.193	86.685	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/7/08 8:00	1.625	0.646	0.193	86.685	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 9:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 10:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 11:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 12:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/7/08 13:00	1.623	0.644	0.192	86.024	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/7/08 14:00	1.635	0.656	0.201	90.038	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/7/08 15:00	1.651	0.672	0.213	95.563	1.372	0.041	0.012496	0.004166	0.147141	66.037
1/7/08 16:00	1.665	0.686	0.224	100.560	1.375	0.044	0.013411	0.004596	0.162345	72.860
1/7/08 17:00	1.676	0.697	0.233	104.594	1.377	0.046	0.014020	0.004891	0.172754	77.532
1/7/08 18:00	1.679	0.700	0.236	105.711	1.375	0.044	0.013411	0.004596	0.162345	72.860
1/7/08 19:00	1.667	0.688	0.226	101.286	1.372	0.041	0.012496	0.004166	0.147141	66.037
1/7/08 20:00	1.658	0.679	0.218	98.042	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/7/08 21:00	1.649	0.670	0.211	94.862	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/7/08 22:00	1.644	0.665	0.207	93.122	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/7/08 23:00	1.642	0.663	0.206	92.431	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 0:00	1.633	0.654	0.199	89.362	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 1:00	1.633	0.654	0.199	89.362	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 2:00	1.631	0.652	0.198	88.688	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 3:00	1.629	0.650	0.196	88.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 4:00	1.634	0.655	0.200	89.700	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 5:00	1.629	0.650	0.196	88.017	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 6:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/8/08 7:00	1.627	0.648	0.195	87.350	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 8:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 9:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 10:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 11:00	1.627	0.648	0.195	87.350	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 12:00	1.61	0.631	0.182	81.798	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 13:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 14:00	1.631	0.652	0.198	88.688	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 15:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 16:00	1.637	0.658	0.202	90.718	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 17:00	1.639	0.660	0.204	91.401	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 18:00	1.637	0.658	0.202	90.718	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 19:00	1.635	0.656	0.201	90.038	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/8/08 20:00	1.631	0.652	0.198	88.688	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 21:00	1.628	0.649	0.195	87.683	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 22:00	1.621	0.642	0.190	85.365	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/8/08 23:00	1.619	0.640	0.189	84.710	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 0:00	1.62	0.641	0.189	85.037	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 1:00	1.613	0.634	0.184	82.762	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 2:00	1.613	0.634	0.184	82.762	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 3:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 4:00	1.613	0.634	0.184	82.762	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 5:00	1.608	0.629	0.181	81.159	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 6:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 7:00	1.609	0.630	0.182	81.478	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/9/08 8:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 9:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 10:00	1.606	0.627	0.179	80.523	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 11:00	1.608	0.629	0.181	81.159	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 12:00	1.61	0.631	0.182	81.798	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 13:00	1.617	0.638	0.187	84.057	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 14:00	1.61	0.631	0.182	81.798	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/9/08 15:00	1.619	0.640	0.189	84.710	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 16:00	1.628	0.649	0.195	87.683	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/9/08 17:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 18:00	1.625	0.646	0.193	86.685	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 19:00	1.626	0.647	0.194	87.017	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 20:00	1.626	0.647	0.194	87.017	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 21:00	1.626	0.647	0.194	87.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/9/08 22:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/9/08 23:00	1.619	0.640	0.189	84.710	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 0:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 1:00	1.615	0.636	0.186	83.408	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/10/08 2:00	1.617	0.638	0.187	84.057	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 3:00	1.617	0.638	0.187	84.057	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 4:00	1.617	0.638	0.187	84.057	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 5:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 6:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 7:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08 8:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/10/08	9:00	1.615	0.636	0.186	83.408	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	10:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	11:00	1.617	0.638	0.187	84.057	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	12:00	1.634	0.655	0.200	89.700	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	13:00	1.629	0.650	0.196	88.017	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	14:00	1.62	0.641	0.189	85.037	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/10/08	15:00	1.631	0.652	0.198	88.688	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/10/08	16:00	1.621	0.642	0.190	85.365	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	17:00	1.626	0.647	0.194	87.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/10/08	18:00	1.622	0.643	0.191	85.694	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	19:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	20:00	1.617	0.638	0.187	84.057	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	21:00	1.62	0.641	0.189	85.037	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/10/08	22:00	1.618	0.639	0.188	84.383	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/10/08	23:00	1.618	0.639	0.188	84.383	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	0:00	1.616	0.637	0.187	83.732	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	1:00	1.613	0.634	0.184	82.762	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	2:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	3:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	4:00	1.609	0.630	0.182	81.478	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/11/08	5:00	1.607	0.628	0.180	80.841	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	6:00	1.604	0.625	0.178	79.890	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/11/08	7:00	1.605	0.626	0.179	80.206	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/11/08	8:00	1.6	0.621	0.175	78.634	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/11/08	9:00	1.6	0.621	0.175	78.634	1.361	0.03	0.009144	0.002714	0.095873	43.028

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/11/08	10:00	1.595	0.616	0.172	77.080	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/11/08	11:00	1.593	0.614	0.170	76.463	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/11/08	12:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	13:00	1.601	0.622	0.176	78.947	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	14:00	1.605	0.626	0.179	80.206	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	15:00	1.605	0.626	0.179	80.206	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	16:00	1.612	0.633	0.184	82.440	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/11/08	17:00	1.612	0.633	0.184	82.440	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	18:00	1.612	0.633	0.184	82.440	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	19:00	1.612	0.633	0.184	82.440	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	20:00	1.612	0.633	0.184	82.440	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/11/08	21:00	1.607	0.628	0.180	80.841	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/11/08	22:00	1.607	0.628	0.180	80.841	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/11/08	23:00	1.61	0.631	0.182	81.798	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/12/08	0:00	1.61	0.631	0.182	81.798	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/12/08	1:00	1.606	0.627	0.179	80.523	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	2:00	1.606	0.627	0.179	80.523	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	3:00	1.606	0.627	0.179	80.523	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	4:00	1.604	0.625	0.178	79.890	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	5:00	1.599	0.620	0.175	78.322	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/12/08	6:00	1.601	0.622	0.176	78.947	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	7:00	1.599	0.620	0.175	78.322	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/12/08	8:00	1.597	0.618	0.173	77.699	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/12/08	9:00	1.592	0.613	0.170	76.156	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	10:00	1.604	0.625	0.178	79.890	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/12/08	11:00	1.597	0.618	0.173	77.699	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	12:00	1.609	0.630	0.182	81.478	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/12/08	13:00	1.599	0.620	0.175	78.322	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	14:00	1.596	0.617	0.172	77.389	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/12/08	15:00	1.591	0.612	0.169	75.850	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	16:00	1.603	0.624	0.177	79.575	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	17:00	1.598	0.619	0.174	78.010	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	18:00	1.601	0.622	0.176	78.947	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/12/08	19:00	1.596	0.617	0.172	77.389	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	20:00	1.594	0.615	0.171	76.771	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	21:00	1.599	0.620	0.175	78.322	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/12/08	22:00	1.592	0.613	0.170	76.156	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/12/08	23:00	1.594	0.615	0.171	76.771	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/13/08	0:00	1.592	0.613	0.170	76.156	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	1:00	1.592	0.613	0.170	76.156	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	2:00	1.59	0.611	0.168	75.544	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	3:00	1.585	0.606	0.165	74.027	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/13/08	4:00	1.588	0.609	0.167	74.935	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/13/08	5:00	1.585	0.606	0.165	74.027	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	6:00	1.588	0.609	0.167	74.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	7:00	1.59	0.611	0.168	75.544	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	8:00	1.586	0.607	0.166	74.329	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	9:00	1.586	0.607	0.166	74.329	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	10:00	1.586	0.607	0.166	74.329	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	11:00	1.583	0.604	0.164	73.426	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/13/08	12:00	1.585	0.606	0.165	74.027	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/13/08	13:00	1.587	0.608	0.166	74.632	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	14:00	1.591	0.612	0.169	75.850	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/13/08	15:00	1.591	0.612	0.169	75.850	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	16:00	1.595	0.616	0.172	77.080	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/13/08	17:00	1.598	0.619	0.174	78.010	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/13/08	18:00	1.605	0.626	0.179	80.206	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/13/08	19:00	1.598	0.619	0.174	78.010	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/13/08	20:00	1.598	0.619	0.174	78.010	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/13/08	21:00	1.595	0.616	0.172	77.080	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/13/08	22:00	1.596	0.617	0.172	77.389	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/13/08	23:00	1.587	0.608	0.166	74.632	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	0:00	1.582	0.603	0.163	73.126	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	1:00	1.582	0.603	0.163	73.126	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	2:00	1.582	0.603	0.163	73.126	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	3:00	1.578	0.599	0.160	71.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	4:00	1.576	0.597	0.159	71.343	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	5:00	1.573	0.594	0.157	70.462	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	6:00	1.571	0.592	0.156	69.878	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	7:00	1.564	0.585	0.151	67.856	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	8:00	1.564	0.585	0.151	67.856	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	9:00	1.564	0.585	0.151	67.856	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	10:00	1.562	0.583	0.150	67.285	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	11:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	12:00	1.564	0.585	0.151	67.856	1.353	0.022	0.006705	0.001797	0.063473	28.487

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/14/08	13:00	1.564	0.585	0.151	67.856	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	14:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	15:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	16:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	17:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	18:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/14/08	19:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	20:00	1.568	0.589	0.154	69.007	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	21:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/14/08	22:00	1.561	0.582	0.149	67.001	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/14/08	23:00	1.559	0.580	0.148	66.434	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/15/08	0:00	1.557	0.578	0.147	65.871	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	1:00	1.555	0.576	0.146	65.310	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	2:00	1.555	0.576	0.146	65.310	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	3:00	1.553	0.574	0.144	64.752	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	4:00	1.553	0.574	0.144	64.752	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	5:00	1.553	0.574	0.144	64.752	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	6:00	1.551	0.572	0.143	64.197	1.353	0.022	0.006705	0.001797	0.063473	28.487
1/15/08	7:00	1.553	0.574	0.144	64.752	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/15/08	8:00	1.553	0.574	0.144	64.752	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/15/08	9:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/15/08	10:00	1.553	0.574	0.144	64.752	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/15/08	11:00	1.551	0.572	0.143	64.197	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/15/08	12:00	1.55	0.571	0.142	63.920	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/15/08	13:00	1.557	0.578	0.147	65.871	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/15/08	14:00	1.573	0.594	0.157	70.462	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/15/08	15:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/15/08	16:00	1.574	0.595	0.158	70.755	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/15/08	17:00	1.586	0.607	0.166	74.329	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/15/08	18:00	1.586	0.607	0.166	74.329	1.36	0.029	0.008839	0.002593	0.091584	41.103
1/15/08	19:00	1.589	0.610	0.168	75.239	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/15/08	20:00	1.586	0.607	0.166	74.329	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/15/08	21:00	1.584	0.605	0.164	73.726	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/15/08	22:00	1.589	0.610	0.168	75.239	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/15/08	23:00	1.589	0.610	0.168	75.239	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	0:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/16/08	1:00	1.58	0.601	0.162	72.529	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/16/08	2:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/16/08	3:00	1.583	0.604	0.164	73.426	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	4:00	1.58	0.601	0.162	72.529	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	5:00	1.583	0.604	0.164	73.426	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	6:00	1.585	0.606	0.165	74.027	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	7:00	1.58	0.601	0.162	72.529	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	8:00	1.578	0.599	0.160	71.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	9:00	1.583	0.604	0.164	73.426	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	10:00	1.588	0.609	0.167	74.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	11:00	1.581	0.602	0.162	72.827	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/16/08	12:00	1.588	0.609	0.167	74.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	13:00	1.583	0.604	0.164	73.426	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	14:00	1.592	0.613	0.170	76.156	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/16/08	15:00	1.576	0.597	0.159	71.343	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/16/08	16:00	1.576	0.597	0.159	71.343	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	17:00	1.59	0.611	0.168	75.544	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	18:00	1.578	0.599	0.160	71.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	19:00	1.581	0.602	0.162	72.827	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	20:00	1.583	0.604	0.164	73.426	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	21:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	22:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/16/08	23:00	1.589	0.610	0.168	75.239	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	0:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	1:00	1.575	0.596	0.158	71.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	2:00	1.58	0.601	0.162	72.529	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/17/08	3:00	1.575	0.596	0.158	71.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	4:00	1.575	0.596	0.158	71.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	5:00	1.58	0.601	0.162	72.529	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	6:00	1.584	0.605	0.164	73.726	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	7:00	1.584	0.605	0.164	73.726	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	8:00	1.58	0.601	0.162	72.529	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	9:00	1.582	0.603	0.163	73.126	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	10:00	1.58	0.601	0.162	72.529	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	11:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	12:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	13:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	14:00	1.579	0.600	0.161	72.231	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/17/08	15:00	1.579	0.600	0.161	72.231	1.361	0.03	0.009144	0.002714	0.095873	43.028

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/17/08	16:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/17/08	17:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/17/08	18:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/17/08	19:00	1.581	0.602	0.162	72.827	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	20:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	21:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	22:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/17/08	23:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	0:00	1.575	0.596	0.158	71.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	1:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	2:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	3:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	4:00	1.575	0.596	0.158	71.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	5:00	1.575	0.596	0.158	71.049	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/18/08	6:00	1.575	0.596	0.158	71.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	7:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	8:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	9:00	1.584	0.605	0.164	73.726	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	10:00	1.582	0.603	0.163	73.126	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/18/08	11:00	1.577	0.598	0.160	71.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	12:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	13:00	1.574	0.595	0.158	70.755	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	14:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	15:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	16:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/18/08	17:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	18:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/18/08	19:00	1.57	0.591	0.155	69.587	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/18/08	20:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/18/08	21:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/18/08	22:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/18/08	23:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	0:00	1.561	0.582	0.149	67.001	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/19/08	1:00	1.558	0.579	0.147	66.152	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/19/08	2:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/19/08	3:00	1.561	0.582	0.149	67.001	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/19/08	4:00	1.551	0.572	0.143	64.197	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/19/08	5:00	1.542	0.563	0.138	61.734	1.366	0.035	0.010667	0.003349	0.118271	53.080
1/19/08	6:00	1.554	0.575	0.145	65.030	1.366	0.035	0.010667	0.003349	0.118271	53.080
1/19/08	7:00	1.561	0.582	0.149	67.001	1.366	0.035	0.010667	0.003349	0.118271	53.080
1/19/08	8:00	1.563	0.584	0.151	67.571	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/19/08	9:00	1.559	0.580	0.148	66.434	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/19/08	10:00	1.549	0.570	0.142	63.644	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	11:00	1.554	0.575	0.145	65.030	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	12:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	13:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	14:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	15:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	16:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	17:00	1.572	0.593	0.156	70.169	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/19/08	18:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/19/08	19:00	1.57	0.591	0.155	69.587	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	20:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	21:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	22:00	1.561	0.582	0.149	67.001	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/19/08	23:00	1.561	0.582	0.149	67.001	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	0:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/20/08	1:00	1.559	0.580	0.148	66.434	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	2:00	1.554	0.575	0.145	65.030	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	3:00	1.552	0.573	0.144	64.474	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	4:00	1.554	0.575	0.145	65.030	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	5:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	6:00	1.559	0.580	0.148	66.434	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	7:00	1.559	0.580	0.148	66.434	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/20/08	8:00	1.559	0.580	0.148	66.434	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	9:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	10:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	11:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/20/08	12:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/20/08	13:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/20/08	14:00	1.572	0.593	0.156	70.169	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/20/08	15:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/20/08	16:00	1.574	0.595	0.158	70.755	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/20/08	17:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/20/08	18:00	1.57	0.591	0.155	69.587	1.361	0.03	0.009144	0.002714	0.095873	43.028

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/20/08	19:00	1.57	0.591	0.155	69.587	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/20/08	20:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/20/08	21:00	1.563	0.584	0.151	67.571	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/20/08	22:00	1.554	0.575	0.145	65.030	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/20/08	23:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	0:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/21/08	1:00	1.563	0.584	0.151	67.571	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/21/08	2:00	1.559	0.580	0.148	66.434	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/21/08	3:00	1.563	0.584	0.151	67.571	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/21/08	4:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/21/08	5:00	1.561	0.582	0.149	67.001	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	6:00	1.561	0.582	0.149	67.001	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	7:00	1.561	0.582	0.149	67.001	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	8:00	1.561	0.582	0.149	67.001	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	9:00	1.561	0.582	0.149	67.001	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	10:00	1.554	0.575	0.145	65.030	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	11:00	1.565	0.586	0.152	68.143	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	12:00	1.568	0.589	0.154	69.007	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	13:00	1.56	0.581	0.149	66.717	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	14:00	1.57	0.591	0.155	69.587	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	15:00	1.572	0.593	0.156	70.169	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	16:00	1.572	0.593	0.156	70.169	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	17:00	1.577	0.598	0.160	71.638	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	18:00	1.577	0.598	0.160	71.638	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/21/08	19:00	1.575	0.596	0.158	71.049	1.359	0.028	0.008534	0.002473	0.087362	39.208

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/21/08	20:00	1.57	0.591	0.155	69.587	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	21:00	1.57	0.591	0.155	69.587	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	22:00	1.582	0.603	0.163	73.126	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/21/08	23:00	1.561	0.582	0.149	67.001	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	0:00	1.565	0.586	0.152	68.143	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	1:00	1.561	0.582	0.149	67.001	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	2:00	1.561	0.582	0.149	67.001	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	3:00	1.561	0.582	0.149	67.001	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	4:00	1.559	0.580	0.148	66.434	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	5:00	1.559	0.580	0.148	66.434	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	6:00	1.559	0.580	0.148	66.434	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	7:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	8:00	1.559	0.580	0.148	66.434	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	9:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	10:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	11:00	1.552	0.573	0.144	64.474	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	12:00	1.551	0.572	0.143	64.197	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/22/08	13:00	1.554	0.575	0.145	65.030	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	14:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	15:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	16:00	1.572	0.593	0.156	70.169	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/22/08	17:00	1.57	0.591	0.155	69.587	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/22/08	18:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/22/08	19:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/22/08	20:00	1.568	0.589	0.154	69.007	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/22/08	21:00	1.568	0.589	0.154	69.007	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/22/08	22:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/22/08	23:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	0:00	1.565	0.586	0.152	68.143	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/23/08	1:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	2:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	3:00	1.565	0.586	0.152	68.143	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/23/08	4:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	5:00	1.566	0.587	0.152	68.430	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	6:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	7:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	8:00	1.559	0.580	0.148	66.434	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	9:00	1.558	0.579	0.147	66.152	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/23/08	10:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	11:00	1.565	0.586	0.152	68.143	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	12:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	13:00	1.56	0.581	0.149	66.717	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/23/08	14:00	1.563	0.584	0.151	67.571	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/23/08	15:00	1.567	0.588	0.153	68.718	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/23/08	16:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/23/08	17:00	1.581	0.602	0.162	72.827	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/23/08	18:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/23/08	19:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	20:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	21:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/23/08	22:00	1.554	0.575	0.145	65.030	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/23/08	23:00	1.554	0.575	0.145	65.030	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	0:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	1:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	2:00	1.552	0.573	0.144	64.474	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	3:00	1.549	0.570	0.142	63.644	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	4:00	1.547	0.568	0.141	63.095	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	5:00	1.547	0.568	0.141	63.095	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	6:00	1.542	0.563	0.138	61.734	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	7:00	1.542	0.563	0.138	61.734	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	8:00	1.542	0.563	0.138	61.734	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	9:00	1.545	0.566	0.139	62.549	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	10:00	1.54	0.561	0.136	61.195	1.351	0.02	0.006096	0.001588	0.056092	25.174
1/24/08	11:00	1.542	0.563	0.138	61.734	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	12:00	1.544	0.565	0.139	62.276	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	13:00	1.542	0.563	0.138	61.734	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	14:00	1.549	0.570	0.142	63.644	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	15:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	16:00	1.553	0.574	0.144	64.752	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	17:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	18:00	1.56	0.581	0.149	66.717	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/24/08	19:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/24/08	20:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	21:00	1.558	0.579	0.147	66.152	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/24/08	22:00	1.554	0.575	0.145	65.030	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/24/08	23:00	1.554	0.575	0.145	65.030	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	0:00	1.551	0.572	0.143	64.197	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	1:00	1.549	0.570	0.142	63.644	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	2:00	1.544	0.565	0.139	62.276	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/25/08	3:00	1.551	0.572	0.143	64.197	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	4:00	1.551	0.572	0.143	64.197	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	5:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/25/08	6:00	1.568	0.589	0.154	69.007	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	7:00	1.551	0.572	0.143	64.197	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	8:00	1.563	0.584	0.151	67.571	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/25/08	9:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	10:00	1.556	0.577	0.146	65.590	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/25/08	11:00	1.561	0.582	0.149	67.001	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/25/08	12:00	1.556	0.577	0.146	65.590	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/25/08	13:00	1.56	0.581	0.149	66.717	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/25/08	14:00	1.562	0.583	0.150	67.285	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/25/08	15:00	1.567	0.588	0.153	68.718	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/25/08	16:00	1.567	0.588	0.153	68.718	1.359	0.028	0.008534	0.002473	0.087362	39.208
1/25/08	17:00	1.574	0.595	0.158	70.755	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/25/08	18:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/25/08	19:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/25/08	20:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/25/08	21:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/25/08	22:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/25/08	23:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/26/08	0:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	1:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	2:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/26/08	3:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	4:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	5:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	6:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	7:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	8:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	9:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	10:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	11:00	1.558	0.579	0.147	66.152	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/26/08	12:00	1.558	0.579	0.147	66.152	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	13:00	1.564	0.585	0.151	67.856	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	14:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	15:00	1.573	0.594	0.157	70.462	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	16:00	1.58	0.601	0.162	72.529	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/26/08	17:00	1.582	0.603	0.163	73.126	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/26/08	18:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/26/08	19:00	1.58	0.601	0.162	72.529	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/26/08	20:00	1.576	0.597	0.159	71.343	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	21:00	1.576	0.597	0.159	71.343	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	22:00	1.574	0.595	0.158	70.755	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/26/08	23:00	1.571	0.592	0.156	69.878	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	0:00	1.571	0.592	0.156	69.878	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/27/08	1:00	1.571	0.592	0.156	69.878	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	2:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	3:00	1.574	0.595	0.158	70.755	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	4:00	1.569	0.590	0.154	69.296	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/27/08	5:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	6:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	7:00	1.567	0.588	0.153	68.718	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/27/08	8:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	9:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	10:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	11:00	1.564	0.585	0.151	67.856	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/27/08	12:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	13:00	1.576	0.597	0.159	71.343	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/27/08	14:00	1.58	0.601	0.162	72.529	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/27/08	15:00	1.598	0.619	0.174	78.010	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/27/08	16:00	1.624	0.645	0.192	86.354	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/27/08	17:00	1.633	0.654	0.199	89.362	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/27/08	18:00	1.671	0.692	0.229	102.749	1.375	0.044	0.013411	0.004596	0.162345	72.860
1/27/08	19:00	1.669	0.690	0.227	102.016	1.375	0.044	0.013411	0.004596	0.162345	72.860
1/27/08	20:00	1.655	0.676	0.216	96.975	1.372	0.041	0.012496	0.004166	0.147141	66.037
1/27/08	21:00	1.641	0.662	0.205	92.087	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/27/08	22:00	1.632	0.653	0.198	89.024	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/27/08	23:00	1.625	0.646	0.193	86.685	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/28/08	0:00	1.623	0.644	0.192	86.024	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/28/08	1:00	1.625	0.646	0.193	86.685	1.365	0.034	0.010363	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/28/08	2:00	1.62	0.641	0.189	85.037	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/28/08	3:00	1.62	0.641	0.189	85.037	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/28/08	4:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010363	0.003218	0.113667	51.014
1/28/08	5:00	1.627	0.648	0.195	87.350	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/28/08	6:00	1.637	0.658	0.202	90.718	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/28/08	7:00	1.646	0.667	0.209	93.815	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/28/08	8:00	1.648	0.669	0.211	94.512	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/28/08	9:00	1.651	0.672	0.213	95.563	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/28/08	10:00	1.648	0.669	0.211	94.512	1.372	0.041	0.012496	0.004166	0.147141	66.037
1/28/08	11:00	1.653	0.674	0.215	96.268	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/28/08	12:00	1.678	0.699	0.235	105.338	1.377	0.046	0.014020	0.004891	0.172754	77.532
1/28/08	13:00	1.755	0.776	0.304	136.416	1.391	0.06	0.018287	0.007117	0.251378	112.818
1/28/08	14:00	1.899	0.920	0.463	207.972	1.415	0.084	0.025602	0.011529	0.407202	182.752
1/28/08	15:00	2.023	1.044	0.634	284.585	1.453	0.122	0.037184	0.019827	0.700289	314.290
1/28/08	16:00	2.131	1.152	0.810	363.365	1.526	0.195	0.059433	0.039481	1.394471	625.838
1/28/08	17:00	2.188	1.209	0.913	409.673	1.552	0.221	0.067358	0.047498	1.677606	752.910
1/28/08	18:00	2.245	1.266	1.024	459.351	1.574	0.243	0.074063	0.054656	1.930452	866.387
1/28/08	19:00	2.215	1.236	0.964	432.780	1.557	0.226	0.068881	0.049095	1.734028	778.232
1/28/08	20:00	2.161	1.182	0.863	387.322	1.538	0.207	0.063091	0.043120	1.522979	683.513
1/28/08	21:00	2.121	1.142	0.792	355.583	1.507	0.176	0.053642	0.033944	1.198890	538.062
1/28/08	22:00	2.05	1.071	0.676	303.203	1.481	0.15	0.045718	0.026834	0.947757	425.353
1/28/08	23:00	2.017	1.038	0.625	280.543	1.46	0.129	0.039317	0.021512	0.759800	340.998
1/29/08	0:00	1.989	1.010	0.584	262.139	1.441	0.11	0.033526	0.017047	0.602114	270.229
1/29/08	1:00	1.951	0.972	0.531	238.351	1.427	0.096	0.029259	0.013987	0.494010	221.711
1/29/08	2:00	1.908	0.929	0.475	213.053	1.413	0.082	0.024992	0.011135	0.393285	176.506

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/29/08	3:00	1.875	0.896	0.434	194.781	1.41	0.079	0.024078	0.010553	0.372715	167.274
1/29/08	4:00	1.84	0.861	0.393	176.467	1.401	0.07	0.021335	0.008869	0.313263	140.593
1/29/08	5:00	1.791	0.812	0.340	152.626	1.391	0.06	0.018287	0.007117	0.251378	112.818
1/29/08	6:00	1.746	0.767	0.295	132.534	1.387	0.056	0.017068	0.006453	0.227923	102.292
1/29/08	7:00	1.709	0.730	0.261	117.272	1.382	0.051	0.015544	0.005654	0.199703	89.627
1/29/08	8:00	1.686	0.707	0.241	108.344	1.38	0.049	0.014934	0.005345	0.188768	84.719
1/29/08	9:00	1.677	0.698	0.234	104.965	1.373	0.042	0.012801	0.004308	0.152154	68.287
1/29/08	10:00	1.627	0.648	0.195	87.350	1.37	0.039	0.011887	0.003887	0.137285	61.614
1/29/08	11:00	1.627	0.648	0.195	87.350	1.373	0.042	0.012801	0.004308	0.152154	68.287
1/29/08	12:00	1.59	0.611	0.168	75.544	1.366	0.035	0.010667	0.003349	0.118271	53.080
1/29/08	13:00	1.585	0.606	0.165	74.027	1.373	0.042	0.012801	0.004308	0.152154	68.287
1/29/08	14:00	1.624	0.645	0.192	86.354	1.368	0.037	0.011277	0.003614	0.127660	57.294
1/29/08	15:00	1.629	0.650	0.196	88.017	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/29/08	16:00	1.605	0.626	0.179	80.206	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/29/08	17:00	1.593	0.614	0.170	76.463	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/29/08	18:00	1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/29/08	19:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/29/08	20:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/29/08	21:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/29/08	22:00	1.57	0.591	0.155	69.587	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/29/08	23:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/30/08	0:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/30/08	1:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/30/08	2:00	1.554	0.575	0.145	65.030	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/30/08	3:00	1.549	0.570	0.142	63.644	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/30/08	4:00	1.551	0.572	0.143	64.197	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	5:00	1.542	0.563	0.138	61.734	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	6:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	7:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	8:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	9:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	10:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	11:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	12:00	1.539	0.560	0.136	60.926	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	13:00	1.539	0.560	0.136	60.926	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/30/08	14:00	1.562	0.583	0.150	67.285	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/30/08	15:00	1.543	0.564	0.138	62.005	1.363	0.032	0.009753	0.002963	0.104644	46.964
1/30/08	16:00	1.557	0.578	0.147	65.871	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/30/08	17:00	1.555	0.576	0.146	65.310	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/30/08	18:00	1.552	0.573	0.144	64.474	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/30/08	19:00	1.55	0.571	0.142	63.920	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/30/08	20:00	1.539	0.560	0.136	60.926	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	21:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/30/08	22:00	1.534	0.555	0.133	59.593	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/30/08	23:00	1.537	0.558	0.135	60.391	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	0:00	1.528	0.549	0.129	58.018	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/31/08	1:00	1.521	0.542	0.125	56.211	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	2:00	1.523	0.544	0.126	56.724	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	3:00	1.525	0.546	0.128	57.239	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	4:00	1.523	0.544	0.126	56.724	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
1/31/08	5:00	1.516	0.537	0.122	54.942	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	6:00	1.514	0.535	0.121	54.439	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	7:00	1.511	0.532	0.120	53.689	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	8:00	1.507	0.528	0.117	52.700	1.351	0.02	0.006096	0.001588	0.056092	25.174
1/31/08	9:00	1.504	0.525	0.116	51.966	1.351	0.02	0.006096	0.001588	0.056092	25.174
1/31/08	10:00	1.502	0.523	0.115	51.479	1.351	0.02	0.006096	0.001588	0.056092	25.174
1/31/08	11:00	1.502	0.523	0.115	51.479	1.351	0.02	0.006096	0.001588	0.056092	25.174
1/31/08	12:00	1.509	0.530	0.119	53.194	1.351	0.02	0.006096	0.001588	0.056092	25.174
1/31/08	13:00	1.52	0.541	0.125	55.956	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	14:00	1.522	0.543	0.126	56.467	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	15:00	1.538	0.559	0.135	60.658	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/31/08	16:00	1.547	0.568	0.141	63.095	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/31/08	17:00	1.554	0.575	0.145	65.030	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/31/08	18:00	1.554	0.575	0.145	65.030	1.361	0.03	0.009144	0.002714	0.095873	43.028
1/31/08	19:00	1.54	0.561	0.136	61.195	1.358	0.027	0.008229	0.002356	0.083206	37.343
1/31/08	20:00	1.536	0.557	0.134	60.124	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/31/08	21:00	1.534	0.555	0.133	59.593	1.356	0.025	0.007620	0.002126	0.075100	33.705
1/31/08	22:00	1.532	0.553	0.132	59.065	1.354	0.023	0.007010	0.001905	0.067276	30.194
1/31/08	23:00	1.53	0.551	0.130	58.540	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/1/08	0:00	1.525	0.546	0.128	57.239	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08	1:00	1.525	0.546	0.128	57.239	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08	2:00	1.52	0.541	0.125	55.956	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08	3:00	1.518	0.539	0.124	55.447	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08	4:00	1.518	0.539	0.124	55.447	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08	5:00	1.516	0.537	0.122	54.942	1.351	0.02	0.006096	0.001588	0.056092	25.174

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/1/08 6:00	1.514	0.535	0.121	54.439	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08 7:00	1.511	0.532	0.120	53.689	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/1/08 8:00	1.509	0.530	0.119	53.194	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/1/08 9:00	1.511	0.532	0.120	53.689	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/1/08 10:00	1.507	0.528	0.117	52.700	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/1/08 11:00	1.518	0.539	0.124	55.447	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08 12:00	1.515	0.536	0.122	54.690	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/1/08 13:00	1.522	0.543	0.126	56.467	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/1/08 14:00	1.535	0.556	0.133	59.859	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/1/08 15:00	1.547	0.568	0.141	63.095	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/1/08 16:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/1/08 17:00	1.558	0.579	0.147	66.152	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/1/08 18:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/1/08 19:00	1.547	0.568	0.141	63.095	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/1/08 20:00	1.543	0.564	0.138	62.005	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/1/08 21:00	1.545	0.566	0.139	62.549	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/1/08 22:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/1/08 23:00	1.55	0.571	0.142	63.920	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 0:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 1:00	1.553	0.574	0.144	64.752	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 2:00	1.548	0.569	0.141	63.369	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 3:00	1.543	0.564	0.138	62.005	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 4:00	1.548	0.569	0.141	63.369	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 5:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 6:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/2/08 7:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 8:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 9:00	1.541	0.562	0.137	61.464	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 10:00	1.544	0.565	0.139	62.276	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 11:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 12:00	1.536	0.557	0.134	60.124	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 13:00	1.545	0.566	0.139	62.549	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/2/08 14:00	1.547	0.568	0.141	63.095	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 15:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 16:00	1.558	0.579	0.147	66.152	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 17:00	1.558	0.579	0.147	66.152	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 18:00	1.558	0.579	0.147	66.152	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 19:00	1.558	0.579	0.147	66.152	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 20:00	1.554	0.575	0.145	65.030	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 21:00	1.547	0.568	0.141	63.095	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 22:00	1.547	0.568	0.141	63.095	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/2/08 23:00	1.54	0.561	0.136	61.195	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 0:00	1.545	0.566	0.139	62.549	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 1:00	1.543	0.564	0.138	62.005	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 2:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 3:00	1.546	0.567	0.140	62.821	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 4:00	1.541	0.562	0.137	61.464	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 5:00	1.543	0.564	0.138	62.005	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 6:00	1.539	0.560	0.136	60.926	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 7:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/3/08 8:00	1.536	0.557	0.134	60.124	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 9:00	1.539	0.560	0.136	60.926	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 10:00	1.543	0.564	0.138	62.005	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 11:00	1.541	0.562	0.137	61.464	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 12:00	1.543	0.564	0.138	62.005	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/3/08 13:00	1.545	0.566	0.139	62.549	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/3/08 14:00	1.55	0.571	0.142	63.920	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/3/08 15:00	1.566	0.587	0.152	68.430	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/3/08 16:00	1.563	0.584	0.151	67.571	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/3/08 17:00	1.575	0.596	0.158	71.049	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/3/08 18:00	1.568	0.589	0.154	69.007	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/3/08 19:00	1.571	0.592	0.156	69.878	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/3/08 20:00	1.564	0.585	0.151	67.856	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/3/08 21:00	1.566	0.587	0.152	68.430	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/3/08 22:00	1.561	0.582	0.149	67.001	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/3/08 23:00	1.559	0.580	0.148	66.434	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 0:00	1.566	0.587	0.152	68.430	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 1:00	1.559	0.580	0.148	66.434	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/4/08 2:00	1.559	0.580	0.148	66.434	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/4/08 3:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 4:00	1.569	0.590	0.154	69.296	1.37	0.039	0.011887	0.003887	0.137285	61.614
2/4/08 5:00	1.56	0.581	0.149	66.717	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 6:00	1.557	0.578	0.147	65.871	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 7:00	1.564	0.585	0.151	67.856	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 8:00	1.564	0.585	0.151	67.856	1.361	0.03	0.009144	0.002714	0.095873	43.028

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/4/08 9:00	1.562	0.583	0.150	67.285	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 10:00	1.562	0.583	0.150	67.285	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/4/08 11:00	1.566	0.587	0.152	68.430	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 12:00	1.564	0.585	0.151	67.856	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/4/08 13:00	1.571	0.592	0.156	69.878	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 14:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/4/08 15:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/4/08 16:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/4/08 17:00	1.61	0.631	0.182	81.798	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/4/08 18:00	1.612	0.633	0.184	82.440	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/4/08 19:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/4/08 20:00	1.589	0.610	0.168	75.239	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/4/08 21:00	1.589	0.610	0.168	75.239	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/4/08 22:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/4/08 23:00	1.58	0.601	0.162	72.529	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 0:00	1.576	0.597	0.159	71.343	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 1:00	1.578	0.599	0.160	71.935	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 2:00	1.559	0.580	0.148	66.434	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/5/08 3:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 4:00	1.56	0.581	0.149	66.717	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 5:00	1.56	0.581	0.149	66.717	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 6:00	1.56	0.581	0.149	66.717	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 7:00	1.565	0.586	0.152	68.143	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 8:00	1.56	0.581	0.149	66.717	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 9:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009144	0.002714	0.095873	43.028

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/5/08 10:00	1.567	0.588	0.153	68.718	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 11:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 12:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/5/08 13:00	1.572	0.593	0.156	70.169	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 14:00	1.581	0.602	0.162	72.827	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 15:00	1.581	0.602	0.162	72.827	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 16:00	1.571	0.592	0.156	69.878	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/5/08 17:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/5/08 18:00	1.574	0.595	0.158	70.755	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 19:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 20:00	1.579	0.600	0.161	72.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 21:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 22:00	1.561	0.582	0.149	67.001	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/5/08 23:00	1.563	0.584	0.151	67.571	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08 0:00	1.556	0.577	0.146	65.590	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08 1:00	1.559	0.580	0.148	66.434	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08 2:00	1.564	0.585	0.151	67.856	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/6/08 3:00	1.566	0.587	0.152	68.430	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08 4:00	1.564	0.585	0.151	67.856	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/6/08 5:00	1.554	0.575	0.145	65.030	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/6/08 6:00	1.556	0.577	0.146	65.590	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/6/08 7:00	1.564	0.585	0.151	67.856	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/6/08 8:00	1.559	0.580	0.148	66.434	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/6/08 9:00	1.545	0.566	0.139	62.549	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/6/08 10:00	1.54	0.561	0.136	61.195	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/6/08	11:00	1.54	0.561	0.136	61.195	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/6/08	12:00	1.558	0.579	0.147	66.152	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/6/08	13:00	1.553	0.574	0.144	64.752	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/6/08	14:00	1.553	0.574	0.144	64.752	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08	15:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08	16:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08	17:00	1.545	0.566	0.139	62.549	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/6/08	18:00	1.536	0.557	0.134	60.124	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08	19:00	1.54	0.561	0.136	61.195	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/6/08	20:00	1.531	0.552	0.131	58.802	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08	21:00	1.534	0.555	0.133	59.593	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/6/08	22:00	1.525	0.546	0.128	57.239	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/6/08	23:00	1.527	0.548	0.129	57.757	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	0:00	1.527	0.548	0.129	57.757	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	1:00	1.53	0.551	0.130	58.540	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	2:00	1.53	0.551	0.130	58.540	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	3:00	1.525	0.546	0.128	57.239	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	4:00	1.53	0.551	0.130	58.540	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	5:00	1.528	0.549	0.129	58.018	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	6:00	1.528	0.549	0.129	58.018	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	7:00	1.532	0.553	0.132	59.065	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08	8:00	1.525	0.546	0.128	57.239	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	9:00	1.518	0.539	0.124	55.447	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	10:00	1.516	0.537	0.122	54.942	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08	11:00	1.518	0.539	0.124	55.447	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/7/08 12:00	1.515	0.536	0.122	54.690	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/7/08 13:00	1.513	0.534	0.121	54.188	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 14:00	1.519	0.540	0.124	55.701	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 15:00	1.521	0.542	0.125	56.211	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/7/08 16:00	1.523	0.544	0.126	56.724	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 17:00	1.526	0.547	0.128	57.498	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 18:00	1.528	0.549	0.129	58.018	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 19:00	1.523	0.544	0.126	56.724	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 20:00	1.526	0.547	0.128	57.498	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 21:00	1.521	0.542	0.125	56.211	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 22:00	1.522	0.543	0.126	56.467	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/7/08 23:00	1.522	0.543	0.126	56.467	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 0:00	1.522	0.543	0.126	56.467	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 1:00	1.524	0.545	0.127	56.981	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 2:00	1.524	0.545	0.127	56.981	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 3:00	1.527	0.548	0.129	57.757	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 4:00	1.527	0.548	0.129	57.757	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 5:00	1.525	0.546	0.128	57.239	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 6:00	1.52	0.541	0.125	55.956	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 7:00	1.522	0.543	0.126	56.467	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/8/08 8:00	1.52	0.541	0.125	55.956	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 9:00	1.518	0.539	0.124	55.447	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/8/08 10:00	1.518	0.539	0.124	55.447	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/8/08 11:00	1.515	0.536	0.122	54.690	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 12:00	1.517	0.538	0.123	55.194	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/8/08 13:00	1.519	0.540	0.124	55.701	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/8/08 14:00	1.528	0.549	0.129	58.018	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/8/08 15:00	1.535	0.556	0.133	59.859	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/8/08 16:00	1.56	0.581	0.149	66.717	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/8/08 17:00	1.565	0.586	0.152	68.143	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/8/08 18:00	1.567	0.588	0.153	68.718	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/8/08 19:00	1.558	0.579	0.147	66.152	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/8/08 20:00	1.546	0.567	0.140	62.821	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/8/08 21:00	1.537	0.558	0.135	60.391	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/8/08 22:00	1.535	0.556	0.133	59.859	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/8/08 23:00	1.533	0.554	0.132	59.329	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 0:00	1.529	0.550	0.130	58.278	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 1:00	1.526	0.547	0.128	57.498	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 2:00	1.526	0.547	0.128	57.498	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 3:00	1.527	0.548	0.129	57.757	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 4:00	1.527	0.548	0.129	57.757	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 5:00	1.524	0.545	0.127	56.981	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 6:00	1.524	0.545	0.127	56.981	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 7:00	1.522	0.543	0.126	56.467	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 8:00	1.522	0.543	0.126	56.467	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 9:00	1.515	0.536	0.122	54.690	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 10:00	1.515	0.536	0.122	54.690	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 11:00	1.515	0.536	0.122	54.690	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 12:00	1.51	0.531	0.119	53.441	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 13:00	1.512	0.533	0.120	53.939	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/9/08 14:00	1.537	0.558	0.135	60.391	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 15:00	1.5	0.521	0.114	50.996	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 16:00	1.511	0.532	0.120	53.689	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/9/08 17:00	1.509	0.530	0.119	53.194	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 18:00	1.514	0.535	0.121	54.439	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 19:00	1.507	0.528	0.117	52.700	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 20:00	1.507	0.528	0.117	52.700	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/9/08 21:00	1.512	0.533	0.120	53.939	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/9/08 22:00	1.52	0.541	0.125	55.956	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/9/08 23:00	1.508	0.529	0.118	52.947	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/10/08 0:00	1.509	0.530	0.119	53.194	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08 1:00	1.516	0.537	0.122	54.942	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08 2:00	1.495	0.516	0.111	49.799	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08 3:00	1.505	0.526	0.116	52.210	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08 4:00	1.476	0.497	0.101	45.404	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/10/08 5:00	1.465	0.486	0.096	42.971	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/10/08 6:00	1.465	0.486	0.096	42.971	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/10/08 7:00	1.458	0.479	0.092	41.464	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/10/08 8:00	1.439	0.460	0.084	37.535	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/10/08 9:00	1.425	0.446	0.078	34.789	1.389	0.058	0.017678	0.006782	0.239555	107.512
2/10/08 10:00	1.458	0.479	0.092	41.464	1.394	0.063	0.019201	0.007629	0.269465	120.936
2/10/08 11:00	1.49	0.511	0.108	48.618	1.389	0.058	0.017678	0.006782	0.239555	107.512
2/10/08 12:00	1.509	0.530	0.119	53.194	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/10/08 13:00	1.525	0.546	0.128	57.239	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/10/08 14:00	1.498	0.519	0.113	50.515	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/10/08	15:00	1.496	0.517	0.111	50.037	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08	16:00	1.498	0.519	0.113	50.515	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/10/08	17:00	1.497	0.518	0.112	50.275	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/10/08	18:00	1.493	0.514	0.110	49.324	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/10/08	19:00	1.491	0.512	0.109	48.853	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08	20:00	1.491	0.512	0.109	48.853	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/10/08	21:00	1.482	0.503	0.104	46.766	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/10/08	22:00	1.496	0.517	0.111	50.037	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/10/08	23:00	1.48	0.501	0.103	46.309	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	0:00	1.473	0.494	0.100	44.732	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/11/08	1:00	1.467	0.488	0.097	43.407	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/11/08	2:00	1.469	0.490	0.098	43.846	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/11/08	3:00	1.46	0.481	0.093	41.891	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	4:00	1.455	0.476	0.091	40.828	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/11/08	5:00	1.434	0.455	0.081	36.540	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/11/08	6:00	1.427	0.448	0.078	35.174	1.377	0.046	0.014020	0.004891	0.172754	77.532
2/11/08	7:00	1.422	0.443	0.076	34.217	1.389	0.058	0.017678	0.006782	0.239555	107.512
2/11/08	8:00	1.427	0.448	0.078	35.174	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/11/08	9:00	1.446	0.467	0.087	38.955	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/11/08	10:00	1.448	0.469	0.088	39.367	1.392	0.061	0.018592	0.007287	0.257360	115.503
2/11/08	11:00	1.486	0.507	0.106	47.687	1.389	0.058	0.017678	0.006782	0.239555	107.512
2/11/08	12:00	1.492	0.513	0.109	49.088	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/11/08	13:00	1.494	0.515	0.110	49.561	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/11/08	14:00	1.492	0.513	0.109	49.088	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/11/08	15:00	1.477	0.498	0.102	45.629	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/11/08	16:00	1.501	0.522	0.114	51.237	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/11/08	17:00	1.493	0.514	0.110	49.324	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	18:00	1.493	0.514	0.110	49.324	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	19:00	1.489	0.510	0.108	48.384	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/11/08	20:00	1.489	0.510	0.108	48.384	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	21:00	1.482	0.503	0.104	46.766	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	22:00	1.487	0.508	0.107	47.919	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/11/08	23:00	1.476	0.497	0.101	45.404	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	0:00	1.476	0.497	0.101	45.404	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	1:00	1.471	0.492	0.099	44.288	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	2:00	1.476	0.497	0.101	45.404	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	3:00	1.474	0.495	0.100	44.956	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	4:00	1.476	0.497	0.101	45.404	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	5:00	1.471	0.492	0.099	44.288	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	6:00	1.483	0.504	0.105	46.995	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	7:00	1.467	0.488	0.097	43.407	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	8:00	1.467	0.488	0.097	43.407	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	9:00	1.467	0.488	0.097	43.407	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	10:00	1.467	0.488	0.097	43.407	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	11:00	1.455	0.476	0.091	40.828	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	12:00	1.471	0.492	0.099	44.288	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	13:00	1.471	0.492	0.099	44.288	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	14:00	1.477	0.498	0.102	45.629	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	15:00	1.489	0.510	0.108	48.384	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/12/08	16:00	1.498	0.519	0.113	50.515	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/12/08	17:00	1.488	0.509	0.107	48.151	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	18:00	1.488	0.509	0.107	48.151	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/12/08	19:00	1.482	0.503	0.104	46.766	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/12/08	20:00	1.48	0.501	0.103	46.309	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	21:00	1.475	0.496	0.101	45.180	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/12/08	22:00	1.473	0.494	0.100	44.732	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/12/08	23:00	1.476	0.497	0.101	45.404	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	0:00	1.469	0.490	0.098	43.846	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	1:00	1.466	0.487	0.096	43.188	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/13/08	2:00	1.471	0.492	0.099	44.288	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	3:00	1.471	0.492	0.099	44.288	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	4:00	1.471	0.492	0.099	44.288	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	5:00	1.478	0.499	0.102	45.855	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	6:00	1.471	0.492	0.099	44.288	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	7:00	1.474	0.495	0.100	44.956	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/13/08	8:00	1.469	0.490	0.098	43.846	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	9:00	1.471	0.492	0.099	44.288	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/13/08	10:00	1.467	0.488	0.097	43.407	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/13/08	11:00	1.464	0.485	0.095	42.753	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/13/08	12:00	1.473	0.494	0.100	44.732	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/13/08	13:00	1.496	0.517	0.111	50.037	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/13/08	14:00	1.491	0.512	0.109	48.853	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/13/08	15:00	1.502	0.523	0.115	51.479	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/13/08	16:00	1.511	0.532	0.120	53.689	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/13/08	17:00	1.53	0.551	0.130	58.540	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/13/08	18:00	1.53	0.551	0.131	58.585	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/13/08	19:00	1.526	0.547	0.128	57.542	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/13/08	20:00	1.521	0.542	0.125	56.255	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/13/08	21:00	1.522	0.543	0.126	56.511	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/13/08	22:00	1.52	0.541	0.125	55.999	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/13/08	23:00	1.508	0.529	0.118	52.988	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/14/08	0:00	1.513	0.534	0.121	54.231	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	1:00	1.51	0.531	0.119	53.483	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	2:00	1.511	0.532	0.120	53.732	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	3:00	1.513	0.534	0.121	54.231	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	4:00	1.511	0.532	0.120	53.732	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	5:00	1.508	0.529	0.118	52.988	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	6:00	1.513	0.534	0.121	54.231	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	7:00	1.511	0.532	0.120	53.732	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	8:00	1.508	0.529	0.118	52.988	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	9:00	1.511	0.532	0.120	53.732	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/14/08	10:00	1.511	0.532	0.120	53.732	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	11:00	1.508	0.529	0.118	52.988	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	12:00	1.506	0.527	0.117	52.496	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	13:00	1.504	0.525	0.116	52.007	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	14:00	1.52	0.541	0.125	55.999	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	15:00	1.513	0.534	0.121	54.231	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/14/08	16:00	1.499	0.520	0.113	50.796	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	17:00	1.501	0.522	0.114	51.278	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	18:00	1.49	0.511	0.108	48.658	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/14/08	19:00	1.502	0.523	0.115	51.520	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	20:00	1.483	0.504	0.105	47.034	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	21:00	1.486	0.507	0.106	47.726	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	22:00	1.488	0.509	0.107	48.191	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/14/08	23:00	1.479	0.500	0.103	46.120	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	0:00	1.469	0.490	0.098	43.884	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	1:00	1.474	0.495	0.100	44.994	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/15/08	2:00	1.469	0.490	0.098	43.884	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/15/08	3:00	1.467	0.488	0.097	43.444	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/15/08	4:00	1.462	0.483	0.094	42.357	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/15/08	5:00	1.465	0.486	0.096	43.008	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/15/08	6:00	1.467	0.488	0.097	43.444	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	7:00	1.462	0.483	0.094	42.357	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	8:00	1.458	0.479	0.092	41.500	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	9:00	1.458	0.479	0.092	41.500	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	10:00	1.462	0.483	0.094	42.357	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/15/08	11:00	1.464	0.485	0.095	42.790	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	12:00	1.466	0.487	0.096	43.226	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	13:00	1.47	0.491	0.098	44.104	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	14:00	1.479	0.500	0.103	46.120	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	15:00	1.481	0.502	0.104	46.576	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	16:00	1.483	0.504	0.105	47.034	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	17:00	1.488	0.509	0.107	48.191	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	18:00	1.488	0.509	0.107	48.191	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	19:00	1.486	0.507	0.106	47.726	1.351	0.02	0.006096	0.001588	0.056092	25.174

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/15/08	20:00	1.488	0.509	0.107	48.191	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	21:00	1.489	0.510	0.108	48.424	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/15/08	22:00	1.487	0.508	0.107	47.958	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/15/08	23:00	1.487	0.508	0.107	47.958	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	0:00	1.482	0.503	0.104	46.804	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	1:00	1.482	0.503	0.104	46.804	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/16/08	2:00	1.48	0.501	0.103	46.348	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	3:00	1.48	0.501	0.103	46.348	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	4:00	1.478	0.499	0.102	45.894	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	5:00	1.478	0.499	0.102	45.894	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	6:00	1.478	0.499	0.102	45.894	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	7:00	1.481	0.502	0.104	46.576	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	8:00	1.476	0.497	0.101	45.442	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	9:00	1.474	0.495	0.100	44.994	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/16/08	10:00	1.476	0.497	0.101	45.442	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	11:00	1.48	0.501	0.103	46.348	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	12:00	1.482	0.503	0.104	46.804	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/16/08	13:00	1.489	0.510	0.108	48.424	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/16/08	14:00	1.495	0.516	0.111	49.839	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/16/08	15:00	1.499	0.520	0.113	50.796	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/16/08	16:00	1.523	0.544	0.126	56.767	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/16/08	17:00	1.532	0.553	0.132	59.110	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/16/08	18:00	1.539	0.560	0.136	60.972	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/16/08	19:00	1.544	0.565	0.139	62.323	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/16/08	20:00	1.535	0.556	0.133	59.904	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/16/08	21:00	1.526	0.547	0.128	57.542	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/16/08	22:00	1.522	0.543	0.126	56.511	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/16/08	23:00	1.517	0.538	0.123	55.237	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	0:00	1.512	0.533	0.120	53.981	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	1:00	1.512	0.533	0.120	53.981	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	2:00	1.51	0.531	0.119	53.483	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	3:00	1.515	0.536	0.122	54.733	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	4:00	1.515	0.536	0.122	54.733	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	5:00	1.513	0.534	0.121	54.231	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	6:00	1.517	0.538	0.123	55.237	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/17/08	7:00	1.522	0.543	0.126	56.511	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/17/08	8:00	1.527	0.548	0.129	57.802	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/17/08	9:00	1.527	0.548	0.129	57.802	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	10:00	1.525	0.546	0.128	57.283	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	11:00	1.527	0.548	0.129	57.802	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/17/08	12:00	1.541	0.562	0.137	61.510	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/17/08	13:00	1.512	0.533	0.120	53.981	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/17/08	14:00	1.533	0.554	0.132	59.374	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/17/08	15:00	1.564	0.585	0.151	67.905	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/17/08	16:00	1.646	0.667	0.209	93.875	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/17/08	17:00	1.681	0.702	0.237	106.523	1.382	0.051	0.015544	0.005654	0.199703	89.627
2/17/08	18:00	1.684	0.705	0.240	107.652	1.382	0.051	0.015544	0.005654	0.199703	89.627
2/17/08	19:00	1.656	0.677	0.217	97.391	1.377	0.046	0.014020	0.004891	0.172754	77.532
2/17/08	20:00	1.64	0.661	0.205	91.802	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/17/08	21:00	1.616	0.637	0.187	83.788	1.37	0.039	0.011887	0.003887	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/17/08	22:00	1.614	0.635	0.185	83.140	1.372	0.041	0.012496	0.004166	0.147141	66.037
2/17/08	23:00	1.61	0.631	0.182	81.852	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/18/08	0:00	1.605	0.626	0.179	80.260	1.37	0.039	0.011887	0.003887	0.137285	61.614
2/18/08	1:00	1.584	0.605	0.164	73.777	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/18/08	2:00	1.56	0.581	0.149	66.766	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/18/08	3:00	1.546	0.567	0.140	62.868	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/18/08	4:00	1.537	0.558	0.135	60.436	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/18/08	5:00	1.531	0.552	0.131	58.847	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	6:00	1.519	0.540	0.124	55.744	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	7:00	1.516	0.537	0.123	54.984	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	8:00	1.519	0.540	0.124	55.744	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	9:00	1.516	0.537	0.123	54.984	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	10:00	1.516	0.537	0.123	54.984	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	11:00	1.511	0.532	0.120	53.732	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	12:00	1.504	0.525	0.116	52.007	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	13:00	1.513	0.534	0.121	54.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/18/08	14:00	1.52	0.541	0.125	55.999	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/18/08	15:00	1.493	0.514	0.110	49.365	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	16:00	1.509	0.530	0.119	53.236	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	17:00	1.502	0.523	0.115	51.520	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	18:00	1.497	0.518	0.112	50.316	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/18/08	19:00	1.5	0.521	0.114	51.037	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/18/08	20:00	1.489	0.510	0.108	48.424	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/18/08	21:00	1.489	0.510	0.108	48.424	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/18/08	22:00	1.485	0.506	0.106	47.495	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/18/08	23:00	1.483	0.504	0.105	47.034	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	0:00	1.483	0.504	0.105	47.034	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	1:00	1.478	0.499	0.102	45.894	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	2:00	1.478	0.499	0.102	45.894	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	3:00	1.474	0.495	0.100	44.994	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	4:00	1.474	0.495	0.100	44.994	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	5:00	1.467	0.488	0.097	43.444	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	6:00	1.467	0.488	0.097	43.444	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/19/08	7:00	1.465	0.486	0.096	43.008	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/19/08	8:00	1.469	0.490	0.098	43.884	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	9:00	1.474	0.495	0.100	44.994	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	10:00	1.469	0.490	0.098	43.884	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	11:00	1.474	0.495	0.100	44.994	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	12:00	1.476	0.497	0.101	45.442	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	13:00	1.482	0.503	0.104	46.804	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	14:00	1.482	0.503	0.104	46.804	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/19/08	15:00	1.493	0.514	0.110	49.365	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/19/08	16:00	1.507	0.528	0.118	52.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/19/08	17:00	1.518	0.539	0.124	55.490	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/19/08	18:00	1.526	0.547	0.128	57.542	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/19/08	19:00	1.535	0.556	0.133	59.904	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/19/08	20:00	1.528	0.549	0.129	58.062	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/19/08	21:00	1.522	0.543	0.126	56.511	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/19/08	22:00	1.501	0.522	0.114	51.278	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/19/08	23:00	1.496	0.517	0.112	50.077	1.351	0.02	0.006096	0.001588	0.056092	25.174

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/20/08	0:00	1.49	0.511	0.108	48.658	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/20/08	1:00	1.469	0.490	0.098	43.884	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/20/08	2:00	1.467	0.488	0.097	43.444	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/20/08	3:00	1.462	0.483	0.094	42.357	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/20/08	4:00	1.465	0.486	0.096	43.008	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/20/08	5:00	1.422	0.443	0.076	34.249	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/20/08	6:00	1.38	0.401	0.060	26.822	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/20/08	7:00	1.305	0.326	0.036	16.162	1.392	0.061	0.018592	0.007287	0.257360	115.503
2/20/08	8:00	1.288	0.309	0.032	14.182	1.418	0.087	0.026516	0.012129	0.428377	192.256
2/20/08	9:00	1.371	0.392	0.057	25.370	1.432	0.101	0.030783	0.015057	0.531798	238.671
2/20/08	10:00	1.49	0.511	0.108	48.658	1.425	0.094	0.028650	0.013566	0.479156	215.045
2/20/08	11:00	1.568	0.589	0.154	69.056	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/20/08	12:00	1.497	0.518	0.112	50.316	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/20/08	13:00	1.485	0.506	0.106	47.495	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/20/08	14:00	1.475	0.496	0.101	45.218	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/20/08	15:00	1.465	0.486	0.096	43.008	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/20/08	16:00	1.467	0.488	0.097	43.444	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/20/08	17:00	1.457	0.478	0.092	41.287	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/20/08	18:00	1.46	0.481	0.093	41.927	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/20/08	19:00	1.448	0.469	0.088	39.402	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/20/08	20:00	1.448	0.469	0.088	39.402	1.346	0.015	0.004572	0.001105	0.039030	17.516
2/20/08	21:00	1.444	0.465	0.086	38.581	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/20/08	22:00	1.445	0.466	0.086	38.785	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/20/08	23:00	1.44	0.461	0.084	37.770	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	0:00	1.438	0.459	0.083	37.369	1.349	0.018	0.005486	0.001388	0.049021	22.001

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/21/08	1:00	1.434	0.455	0.081	36.573	1.347	0.016	0.004877	0.001197	0.042276	18.973
2/21/08	2:00	1.429	0.450	0.079	35.594	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	3:00	1.434	0.455	0.081	36.573	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/21/08	4:00	1.436	0.457	0.082	36.970	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/21/08	5:00	1.434	0.455	0.081	36.573	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/21/08	6:00	1.434	0.455	0.081	36.573	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/21/08	7:00	1.432	0.453	0.081	36.180	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/21/08	8:00	1.432	0.453	0.081	36.180	1.359	0.028	0.008534	0.002473	0.087362	39.208
2/21/08	9:00	1.436	0.457	0.082	36.970	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/21/08	10:00	1.436	0.457	0.082	36.970	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/21/08	11:00	1.446	0.467	0.087	38.990	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/21/08	12:00	1.45	0.471	0.089	39.816	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	13:00	1.448	0.469	0.088	39.402	1.347	0.016	0.004877	0.001197	0.042276	18.973
2/21/08	14:00	1.45	0.471	0.089	39.816	1.347	0.016	0.004877	0.001197	0.042276	18.973
2/21/08	15:00	1.456	0.477	0.092	41.075	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	16:00	1.461	0.482	0.094	42.142	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/21/08	17:00	1.463	0.484	0.095	42.574	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	18:00	1.461	0.482	0.094	42.142	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	19:00	1.461	0.482	0.094	42.142	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	20:00	1.456	0.477	0.092	41.075	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	21:00	1.454	0.475	0.091	40.653	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	22:00	1.454	0.475	0.091	40.653	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/21/08	23:00	1.452	0.473	0.090	40.233	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	0:00	1.455	0.476	0.091	40.864	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	1:00	1.452	0.473	0.090	40.233	1.349	0.018	0.005486	0.001388	0.049021	22.001

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/22/08	2:00	1.452	0.473	0.090	40.233	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	3:00	1.452	0.473	0.090	40.233	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	4:00	1.45	0.471	0.089	39.816	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	5:00	1.445	0.466	0.086	38.785	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	6:00	1.448	0.469	0.088	39.402	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	7:00	1.443	0.464	0.086	38.377	1.347	0.016	0.004877	0.001197	0.042276	18.973
2/22/08	8:00	1.443	0.464	0.086	38.377	1.347	0.016	0.004877	0.001197	0.042276	18.973
2/22/08	9:00	1.443	0.464	0.086	38.377	1.347	0.016	0.004877	0.001197	0.042276	18.973
2/22/08	10:00	1.452	0.473	0.090	40.233	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	11:00	1.459	0.480	0.093	41.713	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	12:00	1.461	0.482	0.094	42.142	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/22/08	13:00	1.46	0.481	0.093	41.927	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/22/08	14:00	1.464	0.485	0.095	42.790	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/22/08	15:00	1.478	0.499	0.102	45.894	1.353	0.022	0.006705	0.001797	0.063473	28.487
2/22/08	16:00	1.499	0.520	0.113	50.796	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/22/08	17:00	1.511	0.532	0.120	53.732	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/22/08	18:00	1.518	0.539	0.124	55.490	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/22/08	19:00	1.521	0.542	0.125	56.255	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/22/08	20:00	1.507	0.528	0.118	52.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/22/08	21:00	1.493	0.514	0.110	49.365	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/22/08	22:00	1.484	0.505	0.105	47.264	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/22/08	23:00	1.484	0.505	0.105	47.264	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/23/08	0:00	1.48	0.501	0.103	46.348	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	1:00	1.475	0.496	0.101	45.218	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	2:00	1.478	0.499	0.102	45.894	1.351	0.02	0.006096	0.001588	0.056092	25.174

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/23/08	3:00	1.473	0.494	0.100	44.770	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	4:00	1.471	0.492	0.099	44.326	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	5:00	1.469	0.490	0.098	43.884	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	6:00	1.466	0.487	0.096	43.226	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/23/08	7:00	1.469	0.490	0.098	43.884	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	8:00	1.464	0.485	0.095	42.790	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	9:00	1.466	0.487	0.096	43.226	1.349	0.018	0.005486	0.001388	0.049021	22.001
2/23/08	10:00	1.466	0.487	0.096	43.226	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	11:00	1.475	0.496	0.101	45.218	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	12:00	1.47	0.491	0.098	44.104	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/23/08	13:00	1.476	0.497	0.101	45.442	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/23/08	14:00	1.513	0.534	0.121	54.231	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/23/08	15:00	1.604	0.625	0.178	79.944	1.372	0.041	0.012496	0.004166	0.147141	66.037
2/23/08	16:00	1.752	0.773	0.301	135.188	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/23/08	17:00	1.837	0.858	0.390	175.033	1.405	0.074	0.022554	0.009605	0.339261	152.260
2/23/08	18:00	1.864	0.885	0.421	188.998	1.408	0.077	0.023468	0.010170	0.359208	161.212
2/23/08	19:00	1.825	0.846	0.377	169.032	1.403	0.072	0.021945	0.009235	0.326176	146.388
2/23/08	20:00	1.776	0.797	0.325	145.816	1.394	0.063	0.019201	0.007629	0.269465	120.936
2/23/08	21:00	1.682	0.703	0.238	106.898	1.38	0.049	0.014934	0.005345	0.188768	84.719
2/23/08	22:00	1.633	0.654	0.199	89.419	1.373	0.042	0.012801	0.004308	0.152154	68.287
2/23/08	23:00	1.598	0.619	0.174	78.063	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/24/08	0:00	1.579	0.600	0.161	72.282	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/24/08	1:00	1.56	0.581	0.149	66.766	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/24/08	2:00	1.539	0.560	0.136	60.972	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/24/08	3:00	1.527	0.548	0.129	57.802	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/24/08	4:00	1.52	0.541	0.125	55.999	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/24/08	5:00	1.511	0.532	0.120	53.732	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/24/08	6:00	1.511	0.532	0.120	53.732	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/24/08	7:00	1.501	0.522	0.114	51.278	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/24/08	8:00	1.497	0.518	0.112	50.316	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/24/08	9:00	1.499	0.520	0.113	50.796	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/24/08	10:00	1.504	0.525	0.116	52.007	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/24/08	11:00	1.503	0.524	0.115	51.763	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/24/08	12:00	1.505	0.526	0.116	52.251	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/24/08	13:00	1.524	0.545	0.127	57.025	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/24/08	14:00	1.579	0.600	0.161	72.282	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/24/08	15:00	1.759	0.780	0.308	138.238	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/24/08	16:00	1.928	0.949	0.501	224.707	1.422	0.091	0.027735	0.012943	0.457162	205.174
2/24/08	17:00	1.995	1.016	0.593	266.131	1.443	0.112	0.034136	0.017501	0.618132	277.418
2/24/08	18:00	2.001	1.022	0.602	270.047	1.453	0.122	0.037184	0.019827	0.700289	314.290
2/24/08	19:00	1.976	0.997	0.566	253.956	1.446	0.115	0.035050	0.018189	0.642419	288.318
2/24/08	20:00	1.955	0.976	0.537	240.895	1.429	0.098	0.029869	0.014412	0.509013	228.445
2/24/08	21:00	1.868	0.889	0.426	191.122	1.41	0.079	0.024078	0.010553	0.372715	167.274
2/24/08	22:00	1.791	0.812	0.340	152.705	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/24/08	23:00	1.732	0.753	0.282	126.698	1.387	0.056	0.017068	0.006453	0.227923	102.292
2/25/08	0:00	1.694	0.715	0.248	111.467	1.382	0.051	0.015544	0.005654	0.199703	89.627
2/25/08	1:00	1.663	0.684	0.223	99.898	1.377	0.046	0.014020	0.004891	0.172754	77.532
2/25/08	2:00	1.642	0.663	0.206	92.490	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/25/08	3:00	1.626	0.647	0.194	87.074	1.372	0.041	0.012496	0.004166	0.147141	66.037
2/25/08	4:00	1.621	0.642	0.190	85.421	1.372	0.041	0.012496	0.004166	0.147141	66.037

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/25/08	5:00	1.614	0.635	0.185	83.140	1.37	0.039	0.011887	0.003887	0.137285	61.614
2/25/08	6:00	1.593	0.614	0.170	76.516	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/25/08	7:00	1.597	0.618	0.173	77.752	1.37	0.039	0.011887	0.003887	0.137285	61.614
2/25/08	8:00	1.593	0.614	0.170	76.516	1.372	0.041	0.012496	0.004166	0.147141	66.037
2/25/08	9:00	1.586	0.607	0.166	74.381	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/25/08	10:00	1.583	0.604	0.164	73.477	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/25/08	11:00	1.583	0.604	0.164	73.477	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/25/08	12:00	1.583	0.604	0.164	73.477	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/25/08	13:00	1.599	0.620	0.175	78.375	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/25/08	14:00	1.585	0.606	0.165	74.079	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/25/08	15:00	1.634	0.655	0.200	89.757	1.372	0.041	0.012496	0.004166	0.147141	66.037
2/25/08	16:00	1.881	0.902	0.441	198.123	1.42	0.089	0.027126	0.012534	0.442691	198.680
2/25/08	17:00	1.997	1.018	0.596	267.432	1.455	0.124	0.037793	0.020304	0.717127	321.847
2/25/08	18:00	1.977	0.998	0.567	254.588	1.444	0.113	0.034441	0.017729	0.626193	281.035
2/25/08	19:00	1.914	0.935	0.483	216.578	1.422	0.091	0.027735	0.012943	0.457162	205.174
2/25/08	20:00	1.789	0.810	0.338	151.775	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/25/08	21:00	1.709	0.730	0.261	117.339	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/25/08	22:00	1.62	0.641	0.190	85.093	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/25/08	23:00	1.639	0.660	0.204	91.459	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/26/08	0:00	1.585	0.606	0.165	74.079	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/26/08	1:00	1.566	0.587	0.153	68.479	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/26/08	2:00	1.557	0.578	0.147	65.918	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/26/08	3:00	1.531	0.552	0.131	58.847	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	4:00	1.522	0.543	0.126	56.511	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/26/08	5:00	1.51	0.531	0.119	53.483	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/26/08	6:00	1.51	0.531	0.119	53.483	1.359	0.028	0.008534	0.002473	0.087362	39.208
2/26/08	7:00	1.484	0.505	0.105	47.264	1.366	0.035	0.010667	0.003349	0.118271	53.080
2/26/08	8:00	1.47	0.491	0.098	44.104	1.373	0.042	0.012801	0.004308	0.152154	68.287
2/26/08	9:00	1.467	0.488	0.097	43.444	1.382	0.051	0.015544	0.005654	0.199703	89.627
2/26/08	10:00	1.498	0.519	0.113	50.555	1.387	0.056	0.017068	0.006453	0.227923	102.292
2/26/08	11:00	1.554	0.575	0.145	65.078	1.373	0.042	0.012801	0.004308	0.152154	68.287
2/26/08	12:00	1.534	0.555	0.133	59.638	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/26/08	13:00	1.52	0.541	0.125	55.999	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/26/08	14:00	1.508	0.529	0.118	52.988	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	15:00	1.507	0.528	0.118	52.742	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/26/08	16:00	1.516	0.537	0.123	54.984	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	17:00	1.509	0.530	0.119	53.236	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/26/08	18:00	1.516	0.537	0.123	54.984	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	19:00	1.507	0.528	0.118	52.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	20:00	1.507	0.528	0.118	52.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	21:00	1.507	0.528	0.118	52.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/26/08	22:00	1.508	0.529	0.118	52.988	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/26/08	23:00	1.501	0.522	0.114	51.278	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	0:00	1.501	0.522	0.114	51.278	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	1:00	1.499	0.520	0.113	50.796	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	2:00	1.497	0.518	0.112	50.316	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	3:00	1.497	0.518	0.112	50.316	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	4:00	1.495	0.516	0.111	49.839	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	5:00	1.495	0.516	0.111	49.839	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	6:00	1.49	0.511	0.108	48.658	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/27/08	7:00	1.49	0.511	0.108	48.658	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	8:00	1.49	0.511	0.108	48.658	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	9:00	1.488	0.509	0.107	48.191	1.351	0.02	0.006096	0.001588	0.056092	25.174
2/27/08	10:00	1.492	0.513	0.109	49.129	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	11:00	1.496	0.517	0.112	50.077	1.354	0.023	0.007010	0.001905	0.067276	30.194
2/27/08	12:00	1.498	0.519	0.113	50.555	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/27/08	13:00	1.507	0.528	0.118	52.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/27/08	14:00	1.52	0.541	0.125	55.999	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/27/08	15:00	1.583	0.604	0.164	73.477	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/27/08	16:00	1.693	0.714	0.248	111.082	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/27/08	17:00	1.787	0.808	0.336	150.849	1.398	0.067	0.020421	0.008330	0.294224	132.048
2/27/08	18:00	1.875	0.896	0.434	194.873	1.412	0.081	0.024688	0.010940	0.386387	173.411
2/27/08	19:00	1.899	0.920	0.464	208.067	1.417	0.086	0.026212	0.011928	0.421279	189.070
2/27/08	20:00	1.837	0.858	0.390	175.033	1.403	0.072	0.021945	0.009235	0.326176	146.388
2/27/08	21:00	1.762	0.783	0.311	139.558	1.391	0.06	0.018287	0.007117	0.251378	112.818
2/27/08	22:00	1.708	0.729	0.261	116.942	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/27/08	23:00	1.668	0.689	0.227	101.713	1.377	0.046	0.014020	0.004891	0.172754	77.532
2/28/08	0:00	1.638	0.659	0.203	91.117	1.372	0.041	0.012496	0.004166	0.147141	66.037
2/28/08	1:00	1.609	0.630	0.182	81.532	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/28/08	2:00	1.593	0.614	0.170	76.516	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/28/08	3:00	1.588	0.609	0.167	74.987	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/28/08	4:00	1.572	0.593	0.156	70.219	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/28/08	5:00	1.562	0.583	0.150	67.334	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/28/08	6:00	1.558	0.579	0.148	66.200	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/28/08	7:00	1.553	0.574	0.144	64.799	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/28/08	8:00	1.539	0.560	0.136	60.972	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/28/08	9:00	1.532	0.553	0.132	59.110	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/28/08	10:00	1.534	0.555	0.133	59.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/28/08	11:00	1.527	0.548	0.129	57.802	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/28/08	12:00	1.524	0.545	0.127	57.025	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/28/08	13:00	1.533	0.554	0.132	59.374	1.356	0.025	0.007620	0.002126	0.075100	33.705
2/28/08	14:00	1.543	0.564	0.138	62.051	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/28/08	15:00	1.552	0.573	0.144	64.521	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/28/08	16:00	1.582	0.603	0.163	73.177	1.365	0.034	0.010363	0.003218	0.113667	51.014
2/28/08	17:00	1.663	0.684	0.223	99.898	1.379	0.048	0.014630	0.005192	0.183377	82.300
2/28/08	18:00	1.769	0.790	0.318	142.666	1.394	0.063	0.019201	0.007629	0.269465	120.936
2/28/08	19:00	1.825	0.846	0.377	169.032	1.403	0.072	0.021945	0.009235	0.326176	146.388
2/28/08	20:00	1.833	0.854	0.386	173.019	1.403	0.072	0.021945	0.009235	0.326176	146.388
2/28/08	21:00	1.803	0.824	0.353	158.354	1.398	0.067	0.020421	0.008330	0.294224	132.048
2/28/08	22:00	1.761	0.782	0.310	139.117	1.391	0.06	0.018287	0.007117	0.251378	112.818
2/28/08	23:00	1.722	0.743	0.273	122.576	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/29/08	0:00	1.668	0.689	0.227	101.713	1.377	0.046	0.014020	0.004891	0.172754	77.532
2/29/08	1:00	1.644	0.665	0.208	93.181	1.375	0.044	0.013411	0.004596	0.162345	72.860
2/29/08	2:00	1.618	0.639	0.188	84.439	1.37	0.039	0.011887	0.003887	0.137285	61.614
2/29/08	3:00	1.595	0.616	0.172	77.132	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/29/08	4:00	1.576	0.597	0.159	71.393	1.363	0.032	0.009753	0.002963	0.104644	46.964
2/29/08	5:00	1.56	0.581	0.149	66.766	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/29/08	6:00	1.555	0.576	0.146	65.357	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/29/08	7:00	1.55	0.571	0.143	63.967	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/29/08	8:00	1.534	0.555	0.133	59.638	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
2/29/08	9:00	1.529	0.550	0.130	58.323	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/29/08	10:00	1.524	0.545	0.127	57.025	1.361	0.03	0.009144	0.002714	0.095873	43.028
2/29/08	11:00	1.536	0.557	0.134	60.170	1.358	0.027	0.008229	0.002356	0.083206	37.343
2/29/08	12:00	1.546	0.567	0.140	62.868	1.36	0.029	0.008839	0.002593	0.091584	41.103
2/29/08	13:00	1.585	0.606	0.165	74.079	1.368	0.037	0.011277	0.003614	0.127660	57.294
2/29/08	14:00	1.73	0.751	0.280	125.867	1.391	0.06	0.018287	0.007117	0.251378	112.818
2/29/08	15:00	1.896	0.917	0.460	206.389	1.417	0.086	0.026212	0.011928	0.421279	189.070
2/29/08	16:00	1.95	0.971	0.530	237.846	1.436	0.105	0.032002	0.015931	0.562690	252.535
2/29/08	17:00	1.998	1.019	0.597	268.084	1.446	0.115	0.035050	0.018189	0.642419	288.318
2/29/08	18:00	1.996	1.017	0.594	266.781	1.446	0.115	0.035050	0.018189	0.642419	288.318
2/29/08	19:00	1.965	0.986	0.550	247.063	1.431	0.1	0.030479	0.014841	0.524166	235.246
2/29/08	20:00	1.89	0.911	0.452	203.059	1.415	0.084	0.025602	0.011529	0.407202	182.752
2/29/08	21:00	1.792	0.813	0.341	153.171	1.396	0.065	0.019811	0.007977	0.281754	126.451
2/29/08	22:00	1.722	0.743	0.273	122.576	1.384	0.053	0.016154	0.005969	0.210842	94.626
2/29/08	23:00	1.672	0.693	0.230	103.179	1.377	0.046	0.014020	0.004891	0.172754	77.532
3/1/08	0:00	1.644	0.665	0.208	93.181	1.372	0.041	0.012496	0.004166	0.147141	66.037
3/1/08	1:00	1.611	0.632	0.183	82.173	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/1/08	2:00	1.595	0.616	0.172	77.132	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/1/08	3:00	1.581	0.602	0.162	72.878	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/1/08	4:00	1.567	0.588	0.153	68.767	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/1/08	5:00	1.567	0.588	0.153	68.767	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/1/08	6:00	1.557	0.578	0.147	65.918	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/1/08	7:00	1.553	0.574	0.144	64.799	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/1/08	8:00	1.562	0.583	0.150	67.334	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/1/08	9:00	1.569	0.590	0.155	69.346	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/1/08 10:00	1.547	0.568	0.141	63.142	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/1/08 11:00	1.584	0.605	0.164	73.777	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/1/08 12:00	1.641	0.662	0.205	92.146	1.375	0.044	0.013411	0.004596	0.162345	72.860
3/1/08 13:00	1.743	0.764	0.293	131.327	1.389	0.058	0.017678	0.006782	0.239555	107.512
3/1/08 14:00	1.827	0.848	0.379	170.023	1.405	0.074	0.022554	0.009605	0.339261	152.260
3/1/08 15:00	1.89	0.911	0.452	203.059	1.413	0.082	0.024992	0.011135	0.393285	176.506
3/1/08 16:00	1.913	0.934	0.481	216.004	1.42	0.089	0.027126	0.012534	0.442691	198.680
3/1/08 17:00	1.911	0.932	0.479	214.860	1.417	0.086	0.026212	0.011928	0.421279	189.070
3/1/08 18:00	1.873	0.894	0.432	193.797	1.413	0.082	0.024992	0.011135	0.393285	176.506
3/1/08 19:00	1.82	0.841	0.371	166.568	1.403	0.072	0.021945	0.009235	0.326176	146.388
3/1/08 20:00	1.762	0.783	0.311	139.558	1.391	0.06	0.018287	0.007117	0.251378	112.818
3/1/08 21:00	1.715	0.736	0.267	119.739	1.382	0.051	0.015544	0.005654	0.199703	89.627
3/1/08 22:00	1.678	0.699	0.235	105.401	1.377	0.046	0.014020	0.004891	0.172754	77.532
3/1/08 23:00	1.657	0.678	0.218	97.747	1.375	0.044	0.013411	0.004596	0.162345	72.860
3/2/08 0:00	1.643	0.664	0.207	92.835	1.372	0.041	0.012496	0.004166	0.147141	66.037
3/2/08 1:00	1.634	0.655	0.200	89.757	1.372	0.041	0.012496	0.004166	0.147141	66.037
3/2/08 2:00	1.623	0.644	0.192	86.080	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/2/08 3:00	1.627	0.648	0.195	87.406	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/2/08 4:00	1.621	0.642	0.190	85.421	1.372	0.041	0.012496	0.004166	0.147141	66.037
3/2/08 5:00	1.632	0.653	0.198	89.082	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/2/08 6:00	1.623	0.644	0.192	86.080	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/2/08 7:00	1.616	0.637	0.187	83.788	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/2/08 8:00	1.618	0.639	0.188	84.439	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/2/08 9:00	1.616	0.637	0.187	83.788	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/2/08 10:00	1.609	0.630	0.182	81.532	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/2/08	11:00	1.624	0.645	0.193	86.410	1.372	0.041	0.012496	0.004166	0.147141	66.037
3/2/08	12:00	1.691	0.712	0.246	110.314	1.384	0.053	0.016154	0.005969	0.210842	94.626
3/2/08	13:00	1.707	0.728	0.260	116.546	1.382	0.051	0.015544	0.005654	0.199703	89.627
3/2/08	14:00	1.677	0.698	0.234	105.029	1.379	0.048	0.014630	0.005192	0.183377	82.300
3/2/08	15:00	1.654	0.675	0.215	96.681	1.377	0.046	0.014020	0.004891	0.172754	77.532
3/2/08	16:00	1.638	0.659	0.203	91.117	1.375	0.044	0.013411	0.004596	0.162345	72.860
3/2/08	17:00	1.634	0.655	0.200	89.757	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/2/08	18:00	1.684	0.705	0.240	107.652	1.377	0.046	0.014020	0.004891	0.172754	77.532
3/2/08	19:00	1.764	0.785	0.313	140.442	1.394	0.063	0.019201	0.007629	0.269465	120.936
3/2/08	20:00	1.76	0.781	0.309	138.677	1.391	0.06	0.018287	0.007117	0.251378	112.818
3/2/08	21:00	1.721	0.742	0.272	122.168	1.386	0.055	0.016763	0.006291	0.222180	99.714
3/2/08	22:00	1.698	0.719	0.252	113.015	1.379	0.048	0.014630	0.005192	0.183377	82.300
3/2/08	23:00	1.686	0.707	0.242	108.408	1.377	0.046	0.014020	0.004891	0.172754	77.532
3/3/08	0:00	1.693	0.714	0.248	111.082	1.375	0.044	0.013411	0.004596	0.162345	72.860
3/3/08	1:00	1.656	0.677	0.217	97.391	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/3/08	2:00	1.633	0.654	0.199	89.419	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/3/08	3:00	1.61	0.631	0.182	81.852	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/3/08	4:00	1.599	0.620	0.175	78.375	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/3/08	5:00	1.573	0.594	0.157	70.511	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/3/08	6:00	1.764	0.785	0.313	140.442	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/3/08	7:00	1.846	0.867	0.400	179.617	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/3/08	8:00	1.616	0.637	0.187	83.788	1.387	0.056	0.017068	0.006453	0.227923	102.292
3/3/08	9:00	1.623	0.644	0.192	86.080	1.375	0.044	0.013411	0.004596	0.162345	72.860
3/3/08	10:00	1.653	0.674	0.215	96.328	1.377	0.046	0.014020	0.004891	0.172754	77.532
3/3/08	11:00	1.603	0.624	0.177	79.629	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/3/08 12:00	1.558	0.579	0.148	66.200	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/3/08 13:00	1.547	0.568	0.141	63.142	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/3/08 14:00	1.548	0.569	0.141	63.416	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/3/08 15:00	1.57	0.591	0.155	69.636	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/3/08 16:00	1.558	0.579	0.148	66.200	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/3/08 17:00	1.565	0.586	0.152	68.192	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/3/08 18:00	1.558	0.579	0.148	66.200	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/3/08 19:00	1.553	0.574	0.144	64.799	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/3/08 20:00	1.552	0.573	0.144	64.521	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/3/08 21:00	1.543	0.564	0.138	62.051	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/3/08 22:00	1.539	0.560	0.136	60.972	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/3/08 23:00	1.534	0.555	0.133	59.638	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 0:00	1.532	0.553	0.132	59.110	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 1:00	1.526	0.547	0.128	57.542	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 2:00	1.523	0.544	0.126	56.767	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 3:00	1.521	0.542	0.125	56.255	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 4:00	1.521	0.542	0.125	56.255	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/4/08 5:00	1.519	0.540	0.124	55.744	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 6:00	1.515	0.536	0.122	54.733	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/4/08 7:00	1.515	0.536	0.122	54.733	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/4/08 8:00	1.515	0.536	0.122	54.733	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/4/08 9:00	1.513	0.534	0.121	54.231	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/4/08 10:00	1.513	0.534	0.121	54.231	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/4/08 11:00	1.512	0.533	0.120	53.981	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 12:00	1.518	0.539	0.124	55.490	1.353	0.022	0.006705	0.001797	0.063473	28.487

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/4/08 13:00	1.524	0.545	0.127	57.025	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 14:00	1.537	0.558	0.135	60.436	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/4/08 15:00	1.55	0.571	0.143	63.967	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/4/08 16:00	1.569	0.590	0.155	69.346	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/4/08 17:00	1.562	0.583	0.150	67.334	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/4/08 18:00	1.558	0.579	0.148	66.200	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/4/08 19:00	1.553	0.574	0.144	64.799	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/4/08 20:00	1.542	0.563	0.138	61.780	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/4/08 21:00	1.54	0.561	0.136	61.240	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/4/08 22:00	1.54	0.561	0.136	61.240	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/4/08 23:00	1.536	0.557	0.134	60.170	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 0:00	1.527	0.548	0.129	57.802	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/5/08 1:00	1.53	0.551	0.131	58.585	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 2:00	1.526	0.547	0.128	57.542	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/5/08 3:00	1.526	0.547	0.128	57.542	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 4:00	1.533	0.554	0.132	59.374	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 5:00	1.531	0.552	0.131	58.847	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 6:00	1.515	0.536	0.122	54.733	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/5/08 7:00	1.523	0.544	0.126	56.767	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 8:00	1.516	0.537	0.123	54.984	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/5/08 9:00	1.504	0.525	0.116	52.007	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 10:00	1.525	0.546	0.128	57.283	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/5/08 11:00	1.535	0.556	0.133	59.904	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 12:00	1.554	0.575	0.145	65.078	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/5/08 13:00	1.513	0.534	0.121	54.231	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/5/08 14:00	1.512	0.533	0.120	53.981	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/5/08 15:00	1.521	0.542	0.125	56.255	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/5/08 16:00	1.534	0.555	0.133	59.638	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/5/08 17:00	1.515	0.536	0.122	54.733	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/5/08 18:00	1.523	0.544	0.126	56.767	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/5/08 19:00	1.521	0.542	0.125	56.255	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/5/08 20:00	1.519	0.540	0.124	55.744	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/5/08 21:00	1.515	0.536	0.122	54.733	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/5/08 22:00	1.508	0.529	0.118	52.988	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/5/08 23:00	1.499	0.520	0.113	50.796	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 0:00	1.504	0.525	0.116	52.007	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 1:00	1.5	0.521	0.114	51.037	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 2:00	1.498	0.519	0.113	50.555	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 3:00	1.498	0.519	0.113	50.555	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 4:00	1.493	0.514	0.110	49.365	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 5:00	1.49	0.511	0.108	48.658	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 6:00	1.49	0.511	0.108	48.658	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 7:00	1.49	0.511	0.108	48.658	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/6/08 8:00	1.488	0.509	0.107	48.191	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/6/08 9:00	1.488	0.509	0.107	48.191	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/6/08 10:00	1.488	0.509	0.107	48.191	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 11:00	1.491	0.512	0.109	48.893	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/6/08 12:00	1.5	0.521	0.114	51.037	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/6/08 13:00	1.51	0.531	0.119	53.483	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/6/08 14:00	1.528	0.549	0.129	58.062	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/6/08 15:00	1.541	0.562	0.137	61.510	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/6/08 16:00	1.55	0.571	0.143	63.967	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/6/08 17:00	1.554	0.575	0.145	65.078	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/6/08 18:00	1.545	0.566	0.139	62.595	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/6/08 19:00	1.54	0.561	0.136	61.240	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/6/08 20:00	1.533	0.554	0.132	59.374	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/6/08 21:00	1.534	0.555	0.133	59.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/6/08 22:00	1.532	0.553	0.132	59.110	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/6/08 23:00	1.549	0.570	0.142	63.691	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 0:00	1.542	0.563	0.138	61.780	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 1:00	1.547	0.568	0.141	63.142	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 2:00	1.56	0.581	0.149	66.766	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 3:00	1.554	0.575	0.145	65.078	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 4:00	1.543	0.564	0.138	62.051	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 5:00	1.547	0.568	0.141	63.142	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 6:00	1.526	0.547	0.128	57.542	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/7/08 7:00	1.514	0.535	0.121	54.481	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/7/08 8:00	1.498	0.519	0.113	50.555	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/7/08 9:00	1.439	0.460	0.084	37.569	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/7/08 10:00	1.342	0.363	0.047	21.018	1.375	0.044	0.013411	0.004596	0.162345	72.860
3/7/08 11:00	1.57	0.591	0.155	69.636	1.384	0.053	0.016154	0.005969	0.210842	94.626
3/7/08 12:00	1.612	0.633	0.184	82.494	1.37	0.039	0.011887	0.003887	0.137285	61.614
3/7/08 13:00	1.571	0.592	0.156	69.927	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 14:00	1.549	0.570	0.142	63.691	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 15:00	1.541	0.562	0.137	61.510	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/7/08 16:00	1.547	0.568	0.141	63.142	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 17:00	1.549	0.570	0.142	63.691	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 18:00	1.545	0.566	0.139	62.595	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/7/08 19:00	1.536	0.557	0.134	60.170	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 20:00	1.531	0.552	0.131	58.847	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 21:00	1.532	0.553	0.132	59.110	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 22:00	1.525	0.546	0.128	57.283	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/7/08 23:00	1.52	0.541	0.125	55.999	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/8/08 0:00	1.516	0.537	0.123	54.984	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/8/08 1:00	1.514	0.535	0.121	54.481	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 2:00	1.509	0.530	0.119	53.236	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/8/08 3:00	1.505	0.526	0.116	52.251	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 4:00	1.505	0.526	0.116	52.251	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 5:00	1.503	0.524	0.115	51.763	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 6:00	1.501	0.522	0.114	51.278	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 7:00	1.499	0.520	0.113	50.796	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 8:00	1.497	0.518	0.112	50.316	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 9:00	1.494	0.515	0.111	49.601	1.346	0.015	0.004572	0.001105	0.039030	17.516
3/8/08 10:00	1.497	0.518	0.112	50.316	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 11:00	1.501	0.522	0.114	51.278	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 12:00	1.505	0.526	0.116	52.251	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/8/08 13:00	1.525	0.546	0.128	57.283	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/8/08 14:00	1.529	0.550	0.130	58.323	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/8/08 15:00	1.55	0.571	0.143	63.967	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/8/08 16:00	1.554	0.575	0.145	65.078	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/8/08 17:00	1.57	0.591	0.155	69.636	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/8/08 18:00	1.566	0.587	0.153	68.479	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/8/08 19:00	1.556	0.577	0.146	65.638	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/8/08 20:00	1.554	0.575	0.145	65.078	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/8/08 21:00	1.543	0.564	0.138	62.051	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/8/08 22:00	1.541	0.562	0.137	61.510	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/8/08 23:00	1.534	0.555	0.133	59.638	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 0:00	1.534	0.555	0.133	59.638	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 1:00	1.532	0.553	0.132	59.110	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 2:00	1.53	0.551	0.131	58.585	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 3:00	1.521	0.542	0.125	56.255	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 4:00	1.521	0.542	0.125	56.255	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 5:00	1.521	0.542	0.125	56.255	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 6:00	1.519	0.540	0.124	55.744	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 7:00	1.515	0.536	0.122	54.733	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/9/08 8:00	1.512	0.533	0.120	53.981	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/9/08 9:00	1.51	0.531	0.119	53.483	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/9/08 10:00	1.515	0.536	0.122	54.733	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/9/08 11:00	1.514	0.535	0.121	54.481	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/9/08 12:00	1.516	0.537	0.123	54.984	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 13:00	1.522	0.543	0.126	56.511	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 14:00	1.531	0.552	0.131	58.847	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 15:00	1.551	0.572	0.143	64.244	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/9/08 16:00	1.576	0.597	0.159	71.393	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/9/08 17:00	1.567	0.588	0.153	68.767	1.36	0.029	0.008839	0.002593	0.091584	41.103

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/9/08 18:00	1.56	0.581	0.149	66.766	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/9/08 19:00	1.549	0.570	0.142	63.691	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/9/08 20:00	1.542	0.563	0.138	61.780	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/9/08 21:00	1.537	0.558	0.135	60.436	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/9/08 22:00	1.531	0.552	0.131	58.847	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/9/08 23:00	1.524	0.545	0.127	57.025	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/10/08 0:00	1.522	0.543	0.126	56.511	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/10/08 1:00	1.525	0.546	0.128	57.283	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/10/08 2:00	1.518	0.539	0.124	55.490	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 3:00	1.518	0.539	0.124	55.490	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 4:00	1.514	0.535	0.121	54.481	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 5:00	1.514	0.535	0.121	54.481	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 6:00	1.512	0.533	0.120	53.981	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 7:00	1.51	0.531	0.119	53.483	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 8:00	1.51	0.531	0.119	53.483	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/10/08 9:00	1.503	0.524	0.115	51.763	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/10/08 10:00	1.505	0.526	0.116	52.251	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/10/08 11:00	1.507	0.528	0.118	52.742	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 12:00	1.513	0.534	0.121	54.231	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/10/08 13:00	1.523	0.544	0.126	56.767	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/10/08 14:00	1.534	0.555	0.133	59.638	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/10/08 15:00	1.547	0.568	0.141	63.142	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/10/08 16:00	1.561	0.582	0.149	67.049	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/10/08 17:00	1.572	0.593	0.156	70.219	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/10/08 18:00	1.574	0.595	0.158	70.805	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/10/08	19:00	1.57	0.591	0.155	69.636	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/10/08	20:00	1.563	0.584	0.151	67.619	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/10/08	21:00	1.555	0.576	0.146	65.357	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/10/08	22:00	1.548	0.569	0.141	63.416	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/10/08	23:00	1.542	0.563	0.138	61.780	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	0:00	1.54	0.561	0.136	61.240	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	1:00	1.538	0.559	0.135	60.704	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	2:00	1.533	0.554	0.132	59.374	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	3:00	1.536	0.557	0.134	60.170	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	4:00	1.553	0.574	0.144	64.799	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	5:00	1.566	0.587	0.153	68.479	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	6:00	1.573	0.594	0.157	70.511	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	7:00	1.578	0.599	0.160	71.985	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	8:00	1.575	0.596	0.158	71.099	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	9:00	1.575	0.596	0.158	71.099	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	10:00	1.578	0.599	0.160	71.985	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	11:00	1.588	0.609	0.167	74.987	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/11/08	12:00	1.592	0.613	0.170	76.208	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/11/08	13:00	1.602	0.623	0.177	79.314	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/11/08	14:00	1.633	0.654	0.199	89.419	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/11/08	15:00	1.651	0.672	0.213	95.623	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/11/08	16:00	1.65	0.671	0.212	95.272	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/11/08	17:00	1.654	0.675	0.215	96.681	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/11/08	18:00	1.661	0.682	0.221	99.178	1.367	0.036	0.010972	0.003481	0.122936	55.174
3/11/08	19:00	1.666	0.687	0.225	100.985	1.369	0.038	0.011582	0.003750	0.132444	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/11/08	20:00	1.649	0.670	0.212	94.921	1.367	0.036	0.010972	0.003481	0.122936	55.174
3/11/08	21:00	1.596	0.617	0.173	77.442	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/11/08	22:00	1.586	0.607	0.166	74.381	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/11/08	23:00	1.582	0.603	0.163	73.177	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/12/08	0:00	1.578	0.599	0.160	71.985	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/12/08	1:00	1.581	0.602	0.162	72.878	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/12/08	2:00	1.579	0.600	0.161	72.282	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/12/08	3:00	1.584	0.605	0.164	73.777	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/12/08	4:00	1.585	0.606	0.165	74.079	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/12/08	5:00	1.597	0.618	0.173	77.752	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/12/08	6:00	1.588	0.609	0.167	74.987	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/12/08	7:00	1.605	0.626	0.179	80.260	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/12/08	8:00	1.601	0.622	0.176	79.000	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/12/08	9:00	1.585	0.606	0.165	74.079	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/12/08	10:00	1.59	0.611	0.168	75.596	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/12/08	11:00	1.589	0.610	0.168	75.291	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/12/08	12:00	1.587	0.608	0.166	74.683	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/12/08	13:00	1.553	0.574	0.144	64.799	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/12/08	14:00	1.587	0.608	0.166	74.683	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/12/08	15:00	1.582	0.603	0.163	73.177	1.364	0.033	0.010058	0.003090	0.109124	48.975
3/12/08	16:00	1.619	0.640	0.189	84.765	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/12/08	17:00	1.616	0.637	0.187	83.788	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/12/08	18:00	1.609	0.630	0.182	81.532	1.372	0.041	0.012496	0.004166	0.147141	66.037
3/12/08	19:00	1.607	0.628	0.180	80.895	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/12/08	20:00	1.597	0.618	0.173	77.752	1.369	0.038	0.011582	0.003750	0.132444	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/12/08	21:00	1.591	0.612	0.169	75.902	1.367	0.036	0.010972	0.003481	0.122936	55.174
3/12/08	22:00	1.574	0.595	0.158	70.805	1.364	0.033	0.010058	0.003090	0.109124	48.975
3/12/08	23:00	1.565	0.586	0.152	68.192	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/13/08	0:00	1.559	0.580	0.148	66.482	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/13/08	1:00	1.55	0.571	0.143	63.967	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/13/08	2:00	1.546	0.567	0.140	62.868	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/13/08	3:00	1.539	0.560	0.136	60.972	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/13/08	4:00	1.535	0.556	0.133	59.904	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/13/08	5:00	1.536	0.557	0.134	60.170	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/13/08	6:00	1.532	0.553	0.132	59.110	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/13/08	7:00	1.528	0.549	0.129	58.062	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/13/08	8:00	1.527	0.548	0.129	57.802	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/13/08	9:00	1.525	0.546	0.128	57.283	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/13/08	10:00	1.525	0.546	0.128	57.283	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/13/08	11:00	1.525	0.546	0.128	57.283	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/13/08	12:00	1.534	0.555	0.133	59.638	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/13/08	13:00	1.537	0.558	0.135	60.436	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/13/08	14:00	1.541	0.562	0.137	61.510	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/13/08	15:00	1.547	0.568	0.141	63.142	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/13/08	16:00	1.558	0.579	0.148	66.200	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/13/08	17:00	1.571	0.592	0.156	69.927	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/13/08	18:00	1.581	0.602	0.162	72.878	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/13/08	19:00	1.574	0.595	0.158	70.805	1.367	0.036	0.010972	0.003481	0.122936	55.174
3/13/08	20:00	1.579	0.600	0.161	72.282	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/13/08	21:00	1.57	0.591	0.155	69.636	1.365	0.034	0.010363	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/13/08	22:00	1.565	0.586	0.152	68.192	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/13/08	23:00	1.561	0.582	0.149	67.049	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	0:00	1.556	0.577	0.146	65.638	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	1:00	1.557	0.578	0.147	65.918	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	2:00	1.545	0.566	0.139	62.595	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	3:00	1.546	0.567	0.140	62.868	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	4:00	1.542	0.563	0.138	61.780	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	5:00	1.536	0.557	0.134	60.170	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	6:00	1.534	0.555	0.133	59.638	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	7:00	1.535	0.556	0.133	59.904	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/14/08	8:00	1.528	0.549	0.129	58.062	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/14/08	9:00	1.526	0.547	0.128	57.542	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/14/08	10:00	1.526	0.547	0.128	57.542	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/14/08	11:00	1.528	0.549	0.129	58.062	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/14/08	12:00	1.538	0.559	0.135	60.704	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	13:00	1.537	0.558	0.135	60.436	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/14/08	14:00	1.559	0.580	0.148	66.482	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	15:00	1.547	0.568	0.141	63.142	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/14/08	16:00	1.549	0.570	0.142	63.691	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	17:00	1.553	0.574	0.144	64.799	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	18:00	1.549	0.570	0.142	63.691	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	19:00	1.556	0.577	0.146	65.638	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	20:00	1.554	0.575	0.145	65.078	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/14/08	21:00	1.554	0.575	0.145	65.078	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/14/08	22:00	1.538	0.559	0.135	60.704	1.362	0.031	0.009448	0.002838	0.100226	44.982

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/14/08	23:00	1.538	0.559	0.135	60.704	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/15/08	0:00	1.541	0.562	0.137	61.510	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/15/08	1:00	1.551	0.572	0.143	64.244	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	2:00	1.564	0.585	0.151	67.905	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/15/08	3:00	1.557	0.578	0.147	65.918	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	4:00	1.558	0.579	0.148	66.200	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	5:00	1.556	0.577	0.146	65.638	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	6:00	1.549	0.570	0.142	63.691	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	7:00	1.545	0.566	0.139	62.595	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	8:00	1.553	0.574	0.144	64.799	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	9:00	1.577	0.598	0.160	71.689	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	10:00	1.561	0.582	0.149	67.049	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	11:00	1.562	0.583	0.150	67.334	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	12:00	1.556	0.577	0.146	65.638	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	13:00	1.567	0.588	0.153	68.767	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/15/08	14:00	1.568	0.589	0.154	69.056	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	15:00	1.56	0.581	0.149	66.766	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	16:00	1.583	0.604	0.164	73.477	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	17:00	1.582	0.603	0.163	73.177	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/15/08	18:00	1.587	0.608	0.166	74.683	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	19:00	1.578	0.599	0.160	71.985	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/15/08	20:00	1.58	0.601	0.162	72.579	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	21:00	1.579	0.600	0.161	72.282	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/15/08	22:00	1.577	0.598	0.160	71.689	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/15/08	23:00	1.61	0.631	0.182	81.852	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/16/08	0:00	1.611	0.632	0.183	82.173	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/16/08	1:00	1.607	0.628	0.180	80.895	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/16/08	2:00	1.605	0.626	0.179	80.260	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/16/08	3:00	1.616	0.637	0.187	83.788	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	4:00	1.614	0.635	0.185	83.140	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	5:00	1.61	0.631	0.182	81.852	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	6:00	1.603	0.624	0.177	79.629	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	7:00	1.601	0.622	0.176	79.000	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	8:00	1.599	0.620	0.175	78.375	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	9:00	1.589	0.610	0.168	75.291	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/16/08	10:00	1.528	0.549	0.129	58.062	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	11:00	1.534	0.555	0.133	59.638	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	12:00	1.54	0.561	0.136	61.240	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/16/08	13:00	1.546	0.567	0.140	62.868	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/16/08	14:00	1.576	0.597	0.159	71.393	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/16/08	15:00	1.59	0.611	0.168	75.596	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/16/08	16:00	1.594	0.615	0.171	76.824	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/16/08	17:00	1.597	0.618	0.173	77.752	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/16/08	18:00	1.592	0.613	0.170	76.208	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/16/08	19:00	1.576	0.597	0.159	71.393	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/16/08	20:00	1.59	0.611	0.168	75.596	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/16/08	21:00	1.586	0.607	0.166	74.381	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/16/08	22:00	1.581	0.602	0.162	72.878	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/16/08	23:00	1.579	0.600	0.161	72.282	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/17/08	0:00	1.594	0.615	0.171	76.824	1.353	0.022	0.006705	0.001797	0.063473	28.487

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/17/08	1:00	1.575	0.596	0.158	71.099	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/17/08	2:00	1.573	0.594	0.157	70.511	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/17/08	3:00	1.583	0.604	0.164	73.477	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/17/08	4:00	1.581	0.602	0.162	72.878	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/17/08	5:00	1.585	0.606	0.165	74.079	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/17/08	6:00	1.586	0.607	0.166	74.381	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/17/08	7:00	1.574	0.595	0.158	70.805	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/17/08	8:00	1.567	0.588	0.153	68.767	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/17/08	9:00	1.59	0.611	0.168	75.596	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/17/08	10:00	1.6	0.621	0.175	78.687	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/17/08	11:00	1.635	0.656	0.201	90.096	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/17/08	12:00	1.675	0.696	0.232	104.286	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/17/08	13:00	1.658	0.679	0.219	98.103	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/17/08	14:00	1.648	0.669	0.211	94.572	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/17/08	15:00	1.631	0.652	0.198	88.745	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/17/08	16:00	1.621	0.642	0.190	85.421	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/17/08	17:00	1.63	0.651	0.197	88.409	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/17/08	18:00	1.647	0.668	0.210	94.223	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/17/08	19:00	1.647	0.668	0.210	94.223	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/17/08	20:00	1.649	0.670	0.212	94.921	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/17/08	21:00	1.654	0.675	0.215	96.681	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/17/08	22:00	1.656	0.677	0.217	97.391	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/17/08	23:00	1.661	0.682	0.221	99.178	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	0:00	1.659	0.680	0.219	98.461	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	1:00	1.659	0.680	0.219	98.461	1.358	0.027	0.008229	0.002356	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/18/08	2:00	1.659	0.680	0.219	98.461	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	3:00	1.652	0.673	0.214	95.975	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	4:00	1.596	0.617	0.173	77.442	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	5:00	1.593	0.614	0.170	76.516	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	6:00	1.596	0.617	0.173	77.442	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/18/08	7:00	1.594	0.615	0.171	76.824	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	8:00	1.589	0.610	0.168	75.291	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	9:00	1.59	0.611	0.168	75.596	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	10:00	1.592	0.613	0.170	76.208	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	11:00	1.591	0.612	0.169	75.902	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	12:00	1.59	0.611	0.168	75.596	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	13:00	1.603	0.624	0.177	79.629	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	14:00	1.573	0.594	0.157	70.511	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/18/08	15:00	1.591	0.612	0.169	75.902	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/18/08	16:00	1.536	0.557	0.134	60.170	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/18/08	17:00	1.527	0.548	0.129	57.802	1.364	0.033	0.010058	0.003090	0.109124	48.975
3/18/08	18:00	1.564	0.585	0.151	67.905	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/18/08	19:00	1.55	0.571	0.143	63.967	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/18/08	20:00	1.551	0.572	0.143	64.244	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/18/08	21:00	1.549	0.570	0.142	63.691	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/18/08	22:00	1.544	0.565	0.139	62.323	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/18/08	23:00	1.542	0.563	0.138	61.780	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/19/08	0:00	1.538	0.559	0.135	60.704	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/19/08	1:00	1.539	0.560	0.136	60.972	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/19/08	2:00	1.535	0.556	0.133	59.904	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/19/08	3:00	1.531	0.552	0.131	58.847	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/19/08	4:00	1.529	0.550	0.130	58.323	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/19/08	5:00	1.528	0.549	0.129	58.062	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/19/08	6:00	1.524	0.545	0.127	57.025	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/19/08	7:00	1.525	0.546	0.128	57.283	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/19/08	8:00	1.523	0.544	0.126	56.767	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/19/08	9:00	1.521	0.542	0.125	56.255	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/19/08	10:00	1.52	0.541	0.125	55.999	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/19/08	11:00	1.53	0.551	0.131	58.585	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/19/08	12:00	1.526	0.547	0.128	57.542	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/19/08	13:00	1.537	0.558	0.135	60.436	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/19/08	14:00	1.54	0.561	0.136	61.240	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/19/08	15:00	1.527	0.548	0.129	57.802	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/19/08	16:00	1.536	0.557	0.134	60.170	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/19/08	17:00	1.532	0.553	0.132	59.110	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/19/08	18:00	1.541	0.562	0.137	61.510	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/19/08	19:00	1.546	0.567	0.140	62.868	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/19/08	20:00	1.546	0.567	0.140	62.868	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/19/08	21:00	1.565	0.586	0.152	68.192	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/19/08	22:00	1.56	0.581	0.149	66.766	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/19/08	23:00	1.558	0.579	0.148	66.200	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/20/08	0:00	1.549	0.570	0.142	63.691	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/20/08	1:00	1.549	0.570	0.142	63.691	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/20/08	2:00	1.543	0.564	0.138	62.051	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/20/08	3:00	1.536	0.557	0.134	60.170	1.359	0.028	0.008534	0.002473	0.087362	39.208

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/20/08	4:00	1.547	0.568	0.141	63.142	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/20/08	5:00	1.543	0.564	0.138	62.051	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	6:00	1.541	0.562	0.137	61.510	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	7:00	1.537	0.558	0.135	60.436	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	8:00	1.533	0.554	0.132	59.374	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	9:00	1.534	0.555	0.133	59.638	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	10:00	1.533	0.554	0.132	59.374	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	11:00	1.546	0.567	0.140	62.868	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/20/08	12:00	1.556	0.577	0.146	65.638	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/20/08	13:00	1.557	0.578	0.147	65.918	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/20/08	14:00	1.526	0.547	0.128	57.542	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/20/08	15:00	1.532	0.553	0.132	59.110	1.373	0.042	0.012801	0.004308	0.152154	68.287
3/20/08	16:00	1.565	0.586	0.152	68.192	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/20/08	17:00	1.541	0.562	0.137	61.510	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/20/08	18:00	1.536	0.557	0.134	60.170	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/20/08	19:00	1.524	0.545	0.127	57.025	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/20/08	20:00	1.546	0.567	0.140	62.868	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/20/08	21:00	1.553	0.574	0.144	64.799	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/20/08	22:00	1.558	0.579	0.148	66.200	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/20/08	23:00	1.579	0.600	0.161	72.282	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/21/08	0:00	1.537	0.558	0.135	60.436	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/21/08	1:00	1.545	0.566	0.139	62.595	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/21/08	2:00	1.554	0.575	0.145	65.078	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	3:00	1.554	0.575	0.145	65.078	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/21/08	4:00	1.555	0.576	0.146	65.357	1.357	0.026	0.007924	0.002240	0.079119	35.508

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/21/08	5:00	1.555	0.576	0.146	65.357	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	6:00	1.553	0.574	0.144	64.799	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	7:00	1.544	0.565	0.139	62.323	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	8:00	1.533	0.554	0.132	59.374	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/21/08	9:00	1.547	0.568	0.141	63.142	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/21/08	10:00	1.531	0.552	0.131	58.847	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/21/08	11:00	1.536	0.557	0.134	60.170	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/21/08	12:00	1.545	0.566	0.139	62.595	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/21/08	13:00	1.532	0.553	0.132	59.110	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/21/08	14:00	1.529	0.550	0.130	58.323	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/21/08	15:00	1.556	0.577	0.146	65.638	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	16:00	1.565	0.586	0.152	68.192	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/21/08	17:00	1.548	0.569	0.141	63.416	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	18:00	1.525	0.546	0.128	57.283	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/21/08	19:00	1.532	0.553	0.132	59.110	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/21/08	20:00	1.532	0.553	0.132	59.110	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/21/08	21:00	1.532	0.553	0.132	59.110	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/21/08	22:00	1.53	0.551	0.131	58.585	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/21/08	23:00	1.531	0.552	0.131	58.847	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/22/08	0:00	1.529	0.550	0.130	58.323	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/22/08	1:00	1.529	0.550	0.130	58.323	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/22/08	2:00	1.529	0.550	0.130	58.323	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	3:00	1.528	0.549	0.129	58.062	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	4:00	1.528	0.549	0.129	58.062	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	5:00	1.527	0.548	0.129	57.802	1.352	0.021	0.006400	0.001692	0.059744	26.813

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/22/08	6:00	1.532	0.553	0.132	59.110	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/22/08	7:00	1.528	0.549	0.129	58.062	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	8:00	1.524	0.545	0.127	57.025	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	9:00	1.526	0.547	0.128	57.542	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	10:00	1.526	0.547	0.128	57.542	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	11:00	1.526	0.547	0.128	57.542	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	12:00	1.523	0.544	0.126	56.767	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	13:00	1.541	0.562	0.137	61.510	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	14:00	1.525	0.546	0.128	57.283	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	15:00	1.519	0.540	0.124	55.744	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	16:00	1.514	0.535	0.121	54.481	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	17:00	1.514	0.535	0.121	54.481	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	18:00	1.505	0.526	0.116	52.251	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	19:00	1.521	0.542	0.125	56.255	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	20:00	1.524	0.545	0.127	57.025	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	21:00	1.529	0.550	0.130	58.323	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/22/08	22:00	1.516	0.537	0.123	54.984	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/22/08	23:00	1.525	0.546	0.128	57.283	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	0:00	1.533	0.554	0.132	59.374	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	1:00	1.522	0.543	0.126	56.511	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/23/08	2:00	1.522	0.543	0.126	56.511	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	3:00	1.525	0.546	0.128	57.283	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/23/08	4:00	1.521	0.542	0.125	56.255	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/23/08	5:00	1.521	0.542	0.125	56.255	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	6:00	1.52	0.541	0.125	55.999	1.351	0.02	0.006096	0.001588	0.056092	25.174

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/23/08	7:00	1.513	0.534	0.121	54.231	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	8:00	1.511	0.532	0.120	53.732	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/23/08	9:00	1.515	0.536	0.122	54.733	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	10:00	1.524	0.545	0.127	57.025	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	11:00	1.525	0.546	0.128	57.283	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	12:00	1.519	0.540	0.124	55.744	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	13:00	1.514	0.535	0.121	54.481	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	14:00	1.512	0.533	0.120	53.981	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	15:00	1.518	0.539	0.124	55.490	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	16:00	1.503	0.524	0.115	51.763	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/23/08	17:00	1.491	0.512	0.109	48.893	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/23/08	18:00	1.573	0.594	0.157	70.511	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/23/08	19:00	1.55	0.571	0.143	63.967	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/23/08	20:00	1.484	0.505	0.105	47.264	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/23/08	21:00	1.536	0.557	0.134	60.170	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/23/08	22:00	1.556	0.577	0.146	65.638	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/23/08	23:00	1.544	0.565	0.139	62.323	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	0:00	1.538	0.559	0.135	60.704	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	1:00	1.539	0.560	0.136	60.972	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	2:00	1.537	0.558	0.135	60.436	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	3:00	1.536	0.557	0.134	60.170	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	4:00	1.542	0.563	0.138	61.780	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	5:00	1.552	0.573	0.144	64.521	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	6:00	1.538	0.559	0.135	60.704	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	7:00	1.547	0.568	0.141	63.142	1.349	0.018	0.005486	0.001388	0.049021	22.001

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/24/08	8:00	1.529	0.550	0.130	58.323	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/24/08	9:00	1.527	0.548	0.129	57.802	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/24/08	10:00	1.557	0.578	0.147	65.918	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/24/08	11:00	1.561	0.582	0.149	67.049	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	12:00	1.529	0.550	0.130	58.323	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/24/08	13:00	1.623	0.644	0.192	86.080	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/24/08	14:00	1.626	0.647	0.194	87.074	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/24/08	15:00	1.625	0.646	0.193	86.742	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/24/08	16:00	1.633	0.654	0.199	89.419	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/24/08	17:00	1.647	0.668	0.210	94.223	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/24/08	18:00	1.612	0.633	0.184	82.494	1.349	0.018	0.005486	0.001388	0.049021	22.001
3/24/08	19:00	1.633	0.654	0.199	89.419	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/24/08	20:00	1.635	0.656	0.201	90.096	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/24/08	21:00	1.624	0.645	0.193	86.410	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/24/08	22:00	1.631	0.652	0.198	88.745	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/24/08	23:00	1.641	0.662	0.205	92.146	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/25/08	0:00	1.674	0.695	0.232	103.916	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/25/08	1:00	1.63	0.651	0.197	88.409	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/25/08	2:00	1.602	0.623	0.177	79.314	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/25/08	3:00	1.621	0.642	0.190	85.421	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/25/08	4:00	1.619	0.640	0.189	84.765	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/25/08	5:00	1.603	0.624	0.177	79.629	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/25/08	6:00	1.615	0.636	0.186	83.463	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/25/08	7:00	1.605	0.626	0.179	80.260	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/25/08	8:00	1.603	0.624	0.177	79.629	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/25/08	9:00	1.601	0.622	0.176	79.000	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/25/08	10:00	1.601	0.622	0.176	79.000	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/25/08	11:00	1.608	0.629	0.181	81.213	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/25/08	12:00	1.619	0.640	0.189	84.765	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/25/08	13:00	1.592	0.613	0.170	76.208	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/25/08	14:00	1.596	0.617	0.173	77.442	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/25/08	15:00	1.497	0.518	0.112	50.316	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/25/08	16:00	1.567	0.588	0.153	68.767	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/25/08	17:00	1.588	0.609	0.167	74.987	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/25/08	18:00	1.59	0.611	0.168	75.596	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/25/08	19:00	1.651	0.672	0.213	95.623	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/25/08	20:00	1.63	0.651	0.197	88.409	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/25/08	21:00	1.635	0.656	0.201	90.096	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/25/08	22:00	1.633	0.654	0.199	89.419	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/25/08	23:00	1.636	0.657	0.202	90.436	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	0:00	1.662	0.683	0.222	99.538	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	1:00	1.664	0.685	0.223	100.260	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	2:00	1.667	0.688	0.226	101.348	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	3:00	1.67	0.691	0.228	102.444	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	4:00	1.675	0.696	0.232	104.286	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	5:00	1.67	0.691	0.228	102.444	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/26/08	6:00	1.669	0.690	0.227	102.078	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/26/08	7:00	1.664	0.685	0.223	100.260	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/26/08	8:00	1.674	0.695	0.232	103.916	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	9:00	1.667	0.688	0.226	101.348	1.357	0.026	0.007924	0.002240	0.079119	35.508

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/26/08	10:00	1.653	0.674	0.215	96.328	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/26/08	11:00	1.674	0.695	0.232	103.916	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	12:00	1.673	0.694	0.231	103.547	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/26/08	13:00	1.67	0.691	0.228	102.444	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/26/08	14:00	1.666	0.687	0.225	100.985	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/26/08	15:00	1.659	0.680	0.219	98.461	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/26/08	16:00	1.611	0.632	0.183	82.173	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/26/08	17:00	1.661	0.682	0.221	99.178	1.364	0.033	0.010058	0.003090	0.109124	48.975
3/26/08	18:00	1.675	0.696	0.232	104.286	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/26/08	19:00	1.675	0.696	0.232	104.286	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/26/08	20:00	1.656	0.677	0.217	97.391	1.362	0.031	0.009448	0.002838	0.100226	44.982
3/26/08	21:00	1.699	0.720	0.253	113.404	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/26/08	22:00	1.589	0.610	0.168	75.291	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/26/08	23:00	1.568	0.589	0.154	69.056	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/27/08	0:00	1.556	0.577	0.146	65.638	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/27/08	1:00	1.582	0.603	0.163	73.177	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/27/08	2:00	1.554	0.575	0.145	65.078	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/27/08	3:00	1.569	0.590	0.155	69.346	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/27/08	4:00	1.581	0.602	0.162	72.878	1.36	0.029	0.008839	0.002593	0.091584	41.103
3/27/08	5:00	1.541	0.562	0.137	61.510	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/27/08	6:00	1.565	0.586	0.152	68.192	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/27/08	7:00	1.551	0.572	0.143	64.244	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/27/08	8:00	1.537	0.558	0.135	60.436	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/27/08	9:00	1.589	0.610	0.168	75.291	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/27/08	10:00	1.564	0.585	0.151	67.905	1.354	0.023	0.007010	0.001905	0.067276	30.194

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/27/08	11:00	1.559	0.580	0.148	66.482	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/27/08	12:00	1.557	0.578	0.147	65.918	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/27/08	13:00	1.547	0.568	0.141	63.142	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/27/08	14:00	1.556	0.577	0.146	65.638	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/27/08	15:00	1.547	0.568	0.141	63.142	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/27/08	16:00	1.425	0.446	0.078	34.821	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/27/08	17:00	1.495	0.516	0.111	49.839	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/27/08	18:00	1.523	0.544	0.126	56.767	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/27/08	19:00	1.578	0.599	0.160	71.985	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/27/08	20:00	1.569	0.590	0.155	69.346	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/27/08	21:00	1.545	0.566	0.139	62.595	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/27/08	22:00	1.546	0.567	0.140	62.868	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/27/08	23:00	1.544	0.565	0.139	62.323	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/28/08	0:00	1.539	0.560	0.136	60.972	1.358	0.027	0.008229	0.002356	0.083206	37.343
3/28/08	1:00	1.537	0.558	0.135	60.436	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/28/08	2:00	1.545	0.566	0.139	62.595	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/28/08	3:00	1.538	0.559	0.135	60.704	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/28/08	4:00	1.545	0.566	0.139	62.595	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/28/08	5:00	1.543	0.564	0.138	62.051	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	6:00	1.539	0.560	0.136	60.972	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	7:00	1.544	0.565	0.139	62.323	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	8:00	1.539	0.560	0.136	60.972	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	9:00	1.549	0.570	0.142	63.691	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	10:00	1.551	0.572	0.143	64.244	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	11:00	1.545	0.566	0.139	62.595	1.363	0.032	0.009753	0.002963	0.104644	46.964

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/28/08	12:00	1.556	0.577	0.146	65.638	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/28/08	13:00	1.491	0.512	0.109	48.893	1.365	0.034	0.010363	0.003218	0.113667	51.014
3/28/08	14:00	1.688	0.709	0.243	109.168	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/28/08	15:00	1.629	0.650	0.196	88.074	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/28/08	16:00	1.487	0.508	0.107	47.958	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/28/08	17:00	1.534	0.555	0.133	59.638	1.368	0.037	0.011277	0.003614	0.127660	57.294
3/28/08	18:00	1.536	0.557	0.134	60.170	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/28/08	19:00	1.562	0.583	0.150	67.334	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/28/08	20:00	1.56	0.581	0.149	66.766	1.369	0.038	0.011582	0.003750	0.132444	59.441
3/28/08	21:00	1.544	0.565	0.139	62.323	1.364	0.033	0.010058	0.003090	0.109124	48.975
3/28/08	22:00	1.591	0.612	0.169	75.902	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/28/08	23:00	1.598	0.619	0.174	78.063	1.371	0.04	0.012191	0.004026	0.142185	63.812
3/29/08	0:00	1.641	0.662	0.205	92.146	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/29/08	1:00	1.646	0.667	0.209	93.875	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/29/08	2:00	1.606	0.627	0.180	80.577	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/29/08	3:00	1.59	0.611	0.168	75.596	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	4:00	1.551	0.572	0.143	64.244	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/29/08	5:00	1.601	0.622	0.176	79.000	1.354	0.023	0.007010	0.001905	0.067276	30.194
3/29/08	6:00	1.62	0.641	0.190	85.093	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	7:00	1.592	0.613	0.170	76.208	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	8:00	1.628	0.649	0.195	87.740	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	9:00	1.593	0.614	0.170	76.516	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/29/08	10:00	1.642	0.663	0.206	92.490	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/29/08	11:00	1.621	0.642	0.190	85.421	1.356	0.025	0.007620	0.002126	0.075100	33.705
3/29/08	12:00	1.589	0.610	0.168	75.291	1.349	0.018	0.005486	0.001388	0.049021	22.001

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/29/08	13:00	1.591	0.612	0.169	75.902	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	14:00	1.547	0.568	0.141	63.142	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	15:00	1.523	0.544	0.126	56.767	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	16:00	1.56	0.581	0.149	66.766	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/29/08	17:00	1.666	0.687	0.225	100.985	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	18:00	1.59	0.611	0.168	75.596	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/29/08	19:00	1.612	0.633	0.184	82.494	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/29/08	20:00	1.616	0.637	0.187	83.788	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/29/08	21:00	1.621	0.642	0.190	85.421	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/29/08	22:00	1.652	0.673	0.214	95.975	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/29/08	23:00	1.622	0.643	0.191	85.750	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	0:00	1.605	0.626	0.179	80.260	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	1:00	1.589	0.610	0.168	75.291	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/30/08	2:00	1.599	0.620	0.175	78.375	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	3:00	1.592	0.613	0.170	76.208	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	4:00	1.564	0.585	0.151	67.905	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/30/08	5:00	1.587	0.608	0.166	74.683	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/30/08	6:00	1.597	0.618	0.173	77.752	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/30/08	7:00	1.595	0.616	0.172	77.132	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/30/08	8:00	1.581	0.602	0.162	72.878	1.357	0.026	0.007924	0.002240	0.079119	35.508
3/30/08	9:00	1.581	0.602	0.162	72.878	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/30/08	10:00	1.602	0.623	0.177	79.314	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/30/08	11:00	1.599	0.620	0.175	78.375	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/30/08	12:00	1.577	0.598	0.160	71.689	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/30/08	13:00	1.582	0.603	0.163	73.177	1.352	0.021	0.006400	0.001692	0.059744	26.813

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/30/08	14:00	1.588	0.609	0.167	74.987	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/30/08	15:00	1.572	0.593	0.156	70.219	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	16:00	1.583	0.604	0.164	73.477	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/30/08	17:00	1.588	0.609	0.167	74.987	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	18:00	1.581	0.602	0.162	72.878	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/30/08	19:00	1.586	0.607	0.166	74.381	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/30/08	20:00	1.577	0.598	0.160	71.689	1.351	0.02	0.006096	0.001588	0.056092	25.174
3/30/08	21:00	1.57	0.591	0.155	69.636	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	22:00	1.575	0.596	0.158	71.099	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/30/08	23:00	1.568	0.589	0.154	69.056	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/31/08	0:00	1.583	0.604	0.164	73.477	1.353	0.022	0.006705	0.001797	0.063473	28.487
3/31/08	1:00	1.578	0.599	0.160	71.985	1.352	0.021	0.006400	0.001692	0.059744	26.813
3/31/08	2:00	1.574	0.595	0.158	70.805	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/31/08	3:00	1.578	0.599	0.160	71.985	1.35	0.019	0.005791	0.001487	0.052517	23.570
3/31/08	4:00	1.602	0.623	0.177	79.314	1.355	0.024	0.007315	0.002015	0.071152	31.933
3/31/08	5:00	1.706	0.727	0.259	116.150	1.373	0.042	0.012801	0.004308	0.152154	68.287
3/31/08	6:00	1.871	0.892	0.429	192.724	1.397	0.066	0.020116	0.008153	0.287966	129.239
3/31/08	7:00	1.991	1.012	0.587	263.539	1.439	0.108	0.032917	0.016598	0.586238	263.104
3/31/08	8:00	1.977	0.998	0.567	254.588	1.432	0.101	0.030783	0.015057	0.531798	238.671
3/31/08	9:00	1.949	0.970	0.529	237.239	1.416	0.085	0.025907	0.011728	0.414220	185.902
3/31/08	10:00	1.916	0.937	0.485	217.729	1.411	0.08	0.024383	0.010746	0.379531	170.333
3/31/08	11:00	1.878	0.899	0.438	196.494	1.401	0.07	0.021335	0.008869	0.313263	140.593
3/31/08	12:00	1.824	0.845	0.376	168.537	1.392	0.061	0.018592	0.007287	0.257360	115.503
3/31/08	13:00	1.756	0.777	0.305	136.926	1.382	0.051	0.015544	0.005654	0.199703	89.627
3/31/08	14:00	1.704	0.725	0.257	115.362	1.373	0.042	0.012801	0.004308	0.152154	68.287

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
3/31/08	15:00	1.697	0.718	0.251	112.627	1.371	0.04	0.012191	0.004026	0.142185	63.812
3/31/08	16:00	1.683	0.704	0.239	107.275	1.371	0.04	0.012191	0.004026	0.142185	63.812
3/31/08	17:00	1.671	0.692	0.229	102.811	1.371	0.04	0.012191	0.004026	0.142185	63.812
3/31/08	18:00	1.645	0.666	0.208	93.527	1.366	0.035	0.010667	0.003349	0.118271	53.080
3/31/08	19:00	1.617	0.638	0.187	84.113	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/31/08	20:00	1.627	0.648	0.195	87.406	1.363	0.032	0.009753	0.002963	0.104644	46.964
3/31/08	21:00	1.616	0.637	0.187	83.788	1.361	0.03	0.009144	0.002714	0.095873	43.028
3/31/08	22:00	1.614	0.635	0.185	83.140	1.359	0.028	0.008534	0.002473	0.087362	39.208
3/31/08	23:00	1.612	0.633	0.184	82.494	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/1/08	0:00	1.619	0.640	0.189	84.765	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/1/08	1:00	1.617	0.638	0.187	84.113	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	2:00	1.601	0.622	0.176	79.000	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	3:00	1.597	0.618	0.173	77.752	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/1/08	4:00	1.59	0.611	0.168	75.596	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/1/08	5:00	1.597	0.618	0.173	77.752	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	6:00	1.6	0.621	0.175	78.687	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	7:00	1.574	0.595	0.158	70.805	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/1/08	8:00	1.588	0.609	0.167	74.987	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/1/08	9:00	1.572	0.593	0.156	70.219	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/1/08	10:00	1.577	0.598	0.160	71.689	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	11:00	1.581	0.602	0.162	72.878	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	12:00	1.554	0.575	0.145	65.078	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	13:00	1.55	0.571	0.143	63.967	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/1/08	14:00	1.594	0.615	0.171	76.824	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08	15:00	1.574	0.595	0.158	70.805	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/1/08 16:00	1.576	0.597	0.159	71.393	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/1/08 17:00	1.554	0.575	0.145	65.078	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/1/08 18:00	1.564	0.585	0.151	67.905	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/1/08 19:00	1.589	0.610	0.168	75.291	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/1/08 20:00	1.573	0.594	0.157	70.511	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08 21:00	1.571	0.592	0.156	69.927	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08 22:00	1.571	0.592	0.156	69.927	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/1/08 23:00	1.555	0.576	0.146	65.357	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 0:00	1.541	0.562	0.137	61.510	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 1:00	1.532	0.553	0.132	59.110	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/2/08 2:00	1.578	0.599	0.160	71.985	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/2/08 3:00	1.559	0.580	0.148	66.482	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 4:00	1.557	0.578	0.147	65.918	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 5:00	1.562	0.583	0.150	67.334	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/2/08 6:00	1.563	0.584	0.151	67.619	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 7:00	1.564	0.585	0.151	67.905	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/2/08 8:00	1.56	0.581	0.149	66.766	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/2/08 9:00	1.557	0.578	0.147	65.918	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/2/08 10:00	1.571	0.592	0.156	69.927	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 11:00	1.563	0.584	0.151	67.619	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/2/08 12:00	1.55	0.571	0.143	63.967	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 13:00	1.554	0.575	0.145	65.078	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/2/08 14:00	1.542	0.563	0.138	61.780	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/2/08 15:00	1.56	0.581	0.149	66.766	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/2/08 16:00	1.535	0.556	0.133	59.904	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/2/08 17:00	1.532	0.553	0.132	59.110	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/2/08 18:00	1.546	0.567	0.140	62.868	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/2/08 19:00	1.607	0.628	0.180	80.895	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/2/08 20:00	1.595	0.616	0.172	77.132	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/2/08 21:00	1.596	0.617	0.173	77.442	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/2/08 22:00	1.617	0.638	0.187	84.113	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/2/08 23:00	1.601	0.622	0.176	79.000	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/3/08 0:00	1.606	0.627	0.180	80.577	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/3/08 1:00	1.63	0.651	0.197	88.409	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/3/08 2:00	1.651	0.672	0.213	95.623	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/3/08 3:00	1.6	0.621	0.175	78.687	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/3/08 4:00	1.577	0.598	0.160	71.689	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/3/08 5:00	1.551	0.572	0.143	64.244	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/3/08 6:00	1.575	0.596	0.158	71.099	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/3/08 7:00	1.57	0.591	0.155	69.636	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/3/08 8:00	1.561	0.582	0.149	67.049	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/3/08 9:00	1.62	0.641	0.190	85.093	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/3/08 10:00	1.573	0.594	0.157	70.511	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/3/08 11:00	1.609	0.630	0.182	81.532	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/3/08 12:00	1.736	0.757	0.286	128.369	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/3/08 13:00	1.86	0.881	0.416	186.889	1.387	0.056	0.017068	0.006453	0.227923	102.292
4/3/08 14:00	1.94	0.961	0.517	231.819	1.418	0.087	0.026516	0.012129	0.428377	192.256
4/3/08 15:00	1.942	0.963	0.519	233.017	1.413	0.082	0.024992	0.011135	0.393285	176.506
4/3/08 16:00	1.882	0.903	0.443	198.668	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/3/08 17:00	1.811	0.832	0.361	162.188	1.385	0.054	0.016458	0.006129	0.216486	97.159

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/3/08 18:00	1.748	0.769	0.297	133.464	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/3/08 19:00	1.705	0.726	0.258	115.756	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/3/08 20:00	1.675	0.696	0.232	104.286	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/3/08 21:00	1.673	0.694	0.231	103.547	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/3/08 22:00	1.692	0.713	0.247	110.697	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/3/08 23:00	1.668	0.689	0.227	101.713	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/4/08 0:00	1.657	0.678	0.218	97.747	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/4/08 1:00	1.653	0.674	0.215	96.328	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/4/08 2:00	1.649	0.670	0.212	94.921	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/4/08 3:00	1.647	0.668	0.210	94.223	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/4/08 4:00	1.642	0.663	0.206	92.490	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 5:00	1.64	0.661	0.205	91.802	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 6:00	1.64	0.661	0.205	91.802	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 7:00	1.634	0.655	0.200	89.757	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 8:00	1.634	0.655	0.200	89.757	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/4/08 9:00	1.636	0.657	0.202	90.436	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 10:00	1.626	0.647	0.194	87.074	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 11:00	1.632	0.653	0.198	89.082	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/4/08 12:00	1.64	0.661	0.205	91.802	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/4/08 13:00	1.631	0.652	0.198	88.745	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/4/08 14:00	1.633	0.654	0.199	89.419	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/4/08 15:00	1.651	0.672	0.213	95.623	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/4/08 16:00	1.59	0.611	0.168	75.596	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/4/08 17:00	1.621	0.642	0.190	85.421	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/4/08 18:00	1.628	0.649	0.195	87.740	1.362	0.031	0.009448	0.002838	0.100226	44.982

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/4/08 19:00	1.621	0.642	0.190	85.421	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/4/08 20:00	1.632	0.653	0.198	89.082	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/4/08 21:00	1.632	0.653	0.198	89.082	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/4/08 22:00	1.658	0.679	0.219	98.103	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/4/08 23:00	1.687	0.708	0.242	108.788	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/5/08 0:00	1.703	0.724	0.256	114.969	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/5/08 1:00	1.704	0.725	0.257	115.362	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/5/08 2:00	1.72	0.741	0.271	121.761	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/5/08 3:00	1.73	0.751	0.280	125.867	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/5/08 4:00	1.717	0.738	0.269	120.546	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/5/08 5:00	1.717	0.738	0.269	120.546	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/5/08 6:00	1.335	0.356	0.045	20.040	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/5/08 7:00	1.725	0.746	0.276	123.804	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/5/08 8:00	1.714	0.735	0.266	119.337	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/5/08 9:00	1.695	0.716	0.249	111.853	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/5/08 10:00	1.643	0.664	0.207	92.835	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/5/08 11:00	1.661	0.682	0.221	99.178	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/5/08 12:00	1.723	0.744	0.274	122.984	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/5/08 13:00	1.701	0.722	0.254	114.185	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/5/08 14:00	1.696	0.717	0.250	112.239	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/5/08 15:00	1.703	0.724	0.256	114.969	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/5/08 16:00	1.706	0.727	0.259	116.150	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/5/08 17:00	1.659	0.680	0.219	98.461	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/5/08 18:00	1.628	0.649	0.195	87.740	1.353	0.022	0.006705	0.001797	0.063473	28.487
4/5/08 19:00	1.628	0.649	0.195	87.740	1.356	0.025	0.007620	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/5/08 20:00	1.644	0.665	0.208	93.181	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/5/08 21:00	1.632	0.653	0.198	89.082	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/5/08 22:00	1.67	0.691	0.228	102.444	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/5/08 23:00	1.649	0.670	0.212	94.921	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/6/08 0:00	1.64	0.661	0.205	91.802	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/6/08 1:00	1.654	0.675	0.215	96.681	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/6/08 2:00	1.668	0.689	0.227	101.713	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/6/08 3:00	1.659	0.680	0.219	98.461	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/6/08 4:00	1.664	0.685	0.223	100.260	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/6/08 5:00	1.664	0.685	0.223	100.260	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/6/08 6:00	1.556	0.577	0.146	65.638	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/6/08 7:00	1.578	0.599	0.160	71.985	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/6/08 8:00	1.538	0.559	0.135	60.704	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/6/08 9:00	1.538	0.559	0.135	60.704	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/6/08 10:00	1.559	0.580	0.148	66.482	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/6/08 11:00	1.575	0.596	0.158	71.099	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/6/08 12:00	1.57	0.591	0.155	69.636	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/6/08 13:00	1.591	0.612	0.169	75.902	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/6/08 14:00	1.604	0.625	0.178	79.944	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/6/08 15:00	1.616	0.637	0.187	83.788	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/6/08 16:00	1.614	0.635	0.185	83.140	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/6/08 17:00	1.654	0.675	0.215	96.681	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/6/08 18:00	1.6	0.621	0.175	78.687	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/6/08 19:00	1.663	0.684	0.223	99.898	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/6/08 20:00	1.63	0.651	0.197	88.409	1.353	0.022	0.006705	0.001797	0.063473	28.487

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/6/08 21:00	1.628	0.649	0.195	87.740	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/6/08 22:00	1.631	0.652	0.198	88.745	1.352	0.021	0.006400	0.001692	0.059744	26.813
4/6/08 23:00	1.622	0.643	0.191	85.750	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 0:00	1.643	0.664	0.207	92.835	1.351	0.02	0.006096	0.001588	0.056092	25.174
4/7/08 1:00	1.663	0.684	0.223	99.898	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/7/08 2:00	1.669	0.690	0.227	102.078	1.353	0.022	0.006705	0.001797	0.063473	28.487
4/7/08 3:00	1.66	0.681	0.220	98.819	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/7/08 4:00	1.673	0.694	0.231	103.547	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/7/08 5:00	1.671	0.692	0.229	102.811	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 6:00	1.677	0.698	0.234	105.029	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 7:00	1.677	0.698	0.234	105.029	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 8:00	1.67	0.691	0.228	102.444	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 9:00	1.663	0.684	0.223	99.898	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 10:00	1.653	0.674	0.215	96.328	1.352	0.021	0.006400	0.001692	0.059744	26.813
4/7/08 11:00	1.664	0.685	0.223	100.260	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/7/08 12:00	1.651	0.672	0.213	95.623	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 13:00	1.643	0.664	0.207	92.835	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/7/08 14:00	1.661	0.682	0.221	99.178	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/7/08 15:00	1.653	0.674	0.215	96.328	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/7/08 16:00	1.627	0.648	0.195	87.406	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/7/08 17:00	1.646	0.667	0.209	93.875	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/7/08 18:00	1.66	0.681	0.220	98.819	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/7/08 19:00	1.656	0.677	0.217	97.391	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/7/08 20:00	1.655	0.676	0.216	97.036	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/7/08 21:00	1.646	0.667	0.209	93.875	1.364	0.033	0.010058	0.003090	0.109124	48.975

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/7/08 22:00	1.696	0.717	0.250	112.239	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/7/08 23:00	1.668	0.689	0.227	101.713	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/8/08 0:00	1.718	0.739	0.269	120.950	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/8/08 1:00	1.678	0.699	0.235	105.401	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/8/08 2:00	1.638	0.659	0.203	91.117	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/8/08 3:00	1.634	0.655	0.200	89.757	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/8/08 4:00	1.643	0.664	0.207	92.835	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/8/08 5:00	1.643	0.664	0.207	92.835	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/8/08 6:00	1.639	0.660	0.204	91.459	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/8/08 7:00	1.594	0.615	0.171	76.824	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/8/08 8:00	1.613	0.634	0.185	82.817	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 9:00	1.63	0.651	0.197	88.409	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 10:00	1.62	0.641	0.190	85.093	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 11:00	1.62	0.641	0.190	85.093	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 12:00	1.601	0.622	0.176	79.000	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 13:00	1.632	0.653	0.198	89.082	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/8/08 14:00	1.622	0.643	0.191	85.750	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 15:00	1.633	0.654	0.199	89.419	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 16:00	1.609	0.630	0.182	81.532	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/8/08 17:00	1.641	0.662	0.205	92.146	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 18:00	1.589	0.610	0.168	75.291	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 19:00	1.629	0.650	0.196	88.074	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 20:00	1.612	0.633	0.184	82.494	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/8/08 21:00	1.582	0.603	0.163	73.177	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/8/08 22:00	1.61	0.631	0.182	81.852	1.362	0.031	0.009448	0.002838	0.100226	44.982

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/8/08 23:00	1.63	0.651	0.197	88.409	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/9/08 0:00	1.63	0.651	0.197	88.409	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/9/08 1:00	1.611	0.632	0.183	82.173	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/9/08 2:00	1.57	0.591	0.155	69.636	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/9/08 3:00	1.511	0.532	0.120	53.732	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/9/08 4:00	1.54	0.561	0.136	61.240	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 5:00	1.55	0.571	0.143	63.967	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 6:00	1.562	0.583	0.150	67.334	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 7:00	1.553	0.574	0.144	64.799	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 8:00	1.622	0.643	0.191	85.750	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 9:00	1.633	0.654	0.199	89.419	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 10:00	1.612	0.633	0.184	82.494	1.354	0.023	0.007010	0.001905	0.067276	30.194
4/9/08 11:00	1.517	0.538	0.123	55.237	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 12:00	1.513	0.534	0.121	54.231	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/9/08 13:00	1.582	0.603	0.163	73.177	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/9/08 14:00	1.562	0.583	0.150	67.334	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/9/08 15:00	1.531	0.552	0.131	58.847	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/9/08 16:00	1.515	0.536	0.122	54.733	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/9/08 17:00	1.508	0.529	0.118	52.988	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/9/08 18:00	1.52	0.541	0.125	55.999	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/9/08 19:00	1.531	0.552	0.131	58.847	1.356	0.025	0.007620	0.002126	0.075100	33.705
4/9/08 20:00	1.548	0.569	0.141	63.416	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/9/08 21:00	1.525	0.546	0.128	57.283	1.358	0.027	0.008229	0.002356	0.083206	37.343
4/9/08 22:00	1.544	0.565	0.139	62.323	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/9/08 23:00	1.533	0.554	0.132	59.374	1.353	0.022	0.006705	0.001797	0.063473	28.487

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/10/08	0:00	1.54	0.561	0.136	61.240	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/10/08	1:00	1.526	0.547	0.128	57.542	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/10/08	2:00	1.599	0.620	0.175	78.375	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/10/08	3:00	1.602	0.623	0.177	79.314	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/10/08	4:00	1.666	0.687	0.225	100.985	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/10/08	5:00	1.629	0.650	0.196	88.074	1.383	0.052	0.015849	0.005811	0.205247	92.115
4/10/08	6:00	1.608	0.629	0.181	81.213	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/10/08	7:00	1.655	0.676	0.216	97.036	1.383	0.052	0.015849	0.005811	0.205247	92.115
4/10/08	8:00	1.662	0.683	0.222	99.538	1.383	0.052	0.015849	0.005811	0.205247	92.115
4/10/08	9:00	1.643	0.664	0.207	92.835	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/10/08	10:00	1.646	0.667	0.209	93.875	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/10/08	11:00	1.712	0.733	0.264	118.536	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/10/08	12:00	1.869	0.890	0.427	191.655	1.432	0.101	0.030783	0.015057	0.531798	238.671
4/10/08	13:00	1.911	0.932	0.479	214.860	1.446	0.115	0.035050	0.018189	0.642419	288.318
4/10/08	14:00	1.906	0.927	0.472	212.014	1.444	0.113	0.034441	0.017729	0.626193	281.035
4/10/08	15:00	1.916	0.937	0.485	217.729	1.465	0.134	0.040841	0.022743	0.803289	360.516
4/10/08	16:00	2.52	1.541	1.669	749.050	1.678	0.347	0.105760	0.092720	3.274853	1469.754
4/10/08	17:00	2.205	1.226	0.945	424.279	1.545	0.214	0.065224	0.045291	1.599669	717.932
4/10/08	18:00	2.042	1.063	0.663	297.731	1.477	0.146	0.044499	0.025790	0.910896	408.810
4/10/08	19:00	1.969	0.990	0.556	249.556	1.444	0.113	0.034441	0.017729	0.626193	281.035
4/10/08	20:00	1.941	0.962	0.518	232.417	1.425	0.094	0.028650	0.013566	0.479156	215.045
4/10/08	21:00	1.911	0.932	0.479	214.860	1.416	0.085	0.025907	0.011728	0.414220	185.902
4/10/08	22:00	1.871	0.892	0.429	192.724	1.406	0.075	0.022859	0.009792	0.345867	155.225
4/10/08	23:00	1.852	0.873	0.407	182.712	1.404	0.073	0.022249	0.009420	0.332697	149.314
4/11/08	0:00	1.833	0.854	0.386	173.019	1.401	0.07	0.021335	0.008869	0.313263	140.593

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/11/08	1:00	1.815	0.836	0.366	164.126	1.399	0.068	0.020725	0.008509	0.300526	134.876
4/11/08	2:00	1.794	0.815	0.343	154.105	1.397	0.066	0.020116	0.008153	0.287966	129.239
4/11/08	3:00	1.78	0.801	0.329	147.634	1.392	0.061	0.018592	0.007287	0.257360	115.503
4/11/08	4:00	1.782	0.803	0.331	148.549	1.392	0.061	0.018592	0.007287	0.257360	115.503
4/11/08	5:00	1.778	0.799	0.327	146.723	1.392	0.061	0.018592	0.007287	0.257360	115.503
4/11/08	6:00	1.804	0.825	0.354	158.830	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/11/08	7:00	1.831	0.852	0.383	172.017	1.401	0.07	0.021335	0.008869	0.313263	140.593
4/11/08	8:00	1.824	0.845	0.376	168.537	1.403	0.072	0.021945	0.009235	0.326176	146.388
4/11/08	9:00	1.817	0.838	0.368	165.100	1.399	0.068	0.020725	0.008509	0.300526	134.876
4/11/08	10:00	1.78	0.801	0.329	147.634	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/11/08	11:00	1.765	0.786	0.314	140.885	1.387	0.056	0.017068	0.006453	0.227923	102.292
4/11/08	12:00	1.739	0.760	0.289	129.632	1.391	0.06	0.018287	0.007117	0.251378	112.818
4/11/08	13:00	1.734	0.755	0.284	127.532	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/11/08	14:00	1.734	0.755	0.284	127.532	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/11/08	15:00	1.752	0.773	0.301	135.188	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/11/08	16:00	1.707	0.728	0.260	116.546	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/11/08	17:00	1.693	0.714	0.248	111.082	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/11/08	18:00	1.721	0.742	0.272	122.168	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/11/08	19:00	1.717	0.738	0.269	120.546	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/11/08	20:00	1.694	0.715	0.248	111.467	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/11/08	21:00	1.704	0.725	0.257	115.362	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/11/08	22:00	1.685	0.706	0.241	108.030	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/11/08	23:00	1.674	0.695	0.232	103.916	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/12/08	0:00	1.686	0.707	0.242	108.408	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/12/08	1:00	1.677	0.698	0.234	105.029	1.375	0.044	0.013411	0.004596	0.162345	72.860

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/12/08	2:00	1.68	0.701	0.237	106.148	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/12/08	3:00	1.677	0.698	0.234	105.029	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/12/08	4:00	1.666	0.687	0.225	100.985	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/12/08	5:00	1.676	0.697	0.233	104.657	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/12/08	6:00	1.673	0.694	0.231	103.547	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/12/08	7:00	1.676	0.697	0.233	104.657	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	8:00	1.669	0.690	0.227	102.078	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	9:00	1.65	0.671	0.212	95.272	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/12/08	10:00	1.654	0.675	0.215	96.681	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/12/08	11:00	1.627	0.648	0.195	87.406	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/12/08	12:00	1.649	0.670	0.212	94.921	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/12/08	13:00	1.646	0.667	0.209	93.875	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/12/08	14:00	1.651	0.672	0.213	95.623	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/12/08	15:00	1.641	0.662	0.205	92.146	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	16:00	1.634	0.655	0.200	89.757	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	17:00	1.637	0.658	0.202	90.776	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	18:00	1.639	0.660	0.204	91.459	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/12/08	19:00	1.637	0.658	0.202	90.776	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	20:00	1.639	0.660	0.204	91.459	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/12/08	21:00	1.637	0.658	0.202	90.776	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/12/08	22:00	1.638	0.659	0.203	91.117	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/12/08	23:00	1.635	0.656	0.201	90.096	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/13/08	0:00	1.631	0.652	0.198	88.745	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/13/08	1:00	1.638	0.659	0.203	91.117	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/13/08	2:00	1.625	0.646	0.193	86.742	1.365	0.034	0.010363	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/13/08	3:00	1.627	0.648	0.195	87.406	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/13/08	4:00	1.628	0.649	0.195	87.740	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/13/08	5:00	1.614	0.635	0.185	83.140	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	6:00	1.614	0.635	0.185	83.140	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	7:00	1.617	0.638	0.187	84.113	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	8:00	1.615	0.636	0.186	83.463	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	9:00	1.62	0.641	0.190	85.093	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/13/08	10:00	1.619	0.640	0.189	84.765	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	11:00	1.623	0.644	0.192	86.080	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/13/08	12:00	1.609	0.630	0.182	81.532	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	13:00	1.619	0.640	0.189	84.765	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/13/08	14:00	1.561	0.582	0.149	67.049	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/13/08	15:00	1.619	0.640	0.189	84.765	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/13/08	16:00	1.595	0.616	0.172	77.132	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/13/08	17:00	1.614	0.635	0.185	83.140	1.367	0.036	0.010972	0.003481	0.122936	55.174
4/13/08	18:00	1.597	0.618	0.173	77.752	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	19:00	1.597	0.618	0.173	77.752	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	20:00	1.593	0.614	0.170	76.516	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	21:00	1.595	0.616	0.172	77.132	1.367	0.036	0.010972	0.003481	0.122936	55.174
4/13/08	22:00	1.598	0.619	0.174	78.063	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/13/08	23:00	1.603	0.624	0.177	79.629	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/14/08	0:00	1.599	0.620	0.175	78.375	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/14/08	1:00	1.59	0.611	0.168	75.596	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/14/08	2:00	1.597	0.618	0.173	77.752	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/14/08	3:00	1.596	0.617	0.173	77.442	1.364	0.033	0.010058	0.003090	0.109124	48.975

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/14/08	4:00	1.594	0.615	0.171	76.824	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/14/08	5:00	1.607	0.628	0.180	80.895	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/14/08	6:00	1.622	0.643	0.191	85.750	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	7:00	1.611	0.632	0.183	82.173	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	8:00	1.614	0.635	0.185	83.140	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/14/08	9:00	1.618	0.639	0.188	84.439	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	10:00	1.634	0.655	0.200	89.757	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	11:00	1.646	0.667	0.209	93.875	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	12:00	1.682	0.703	0.238	106.898	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	13:00	1.723	0.744	0.274	122.984	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	14:00	1.668	0.689	0.227	101.713	1.367	0.036	0.010972	0.003481	0.122936	55.174
4/14/08	15:00	1.694	0.715	0.248	111.467	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/14/08	16:00	1.696	0.717	0.250	112.239	1.367	0.036	0.010972	0.003481	0.122936	55.174
4/14/08	17:00	1.717	0.738	0.269	120.546	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/14/08	18:00	1.701	0.722	0.254	114.185	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	19:00	1.703	0.724	0.256	114.969	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	20:00	1.705	0.726	0.258	115.756	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	21:00	1.712	0.733	0.264	118.536	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/14/08	22:00	1.687	0.708	0.242	108.788	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/14/08	23:00	1.706	0.727	0.259	116.150	1.368	0.037	0.011277	0.003614	0.127660	57.294
4/15/08	0:00	1.718	0.739	0.269	120.950	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/15/08	1:00	1.727	0.748	0.278	124.627	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/15/08	2:00	1.73	0.751	0.280	125.867	1.367	0.036	0.010972	0.003481	0.122936	55.174
4/15/08	3:00	1.726	0.747	0.277	124.215	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/15/08	4:00	1.733	0.754	0.283	127.114	1.369	0.038	0.011582	0.003750	0.132444	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/15/08	5:00	1.72	0.741	0.271	121.761	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/15/08	6:00	1.73	0.751	0.280	125.867	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/15/08	7:00	1.735	0.756	0.285	127.950	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/15/08	8:00	1.738	0.759	0.288	129.210	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/15/08	9:00	1.748	0.769	0.297	133.464	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/15/08	10:00	1.749	0.770	0.298	133.893	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/15/08	11:00	1.755	0.776	0.304	136.490	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/15/08	12:00	1.758	0.779	0.307	137.800	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/15/08	13:00	1.734	0.755	0.284	127.532	1.367	0.036	0.010972	0.003481	0.122936	55.174
4/15/08	14:00	1.736	0.757	0.286	128.369	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/15/08	15:00	1.75	0.771	0.299	134.324	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/15/08	16:00	1.727	0.748	0.278	124.627	1.357	0.026	0.007924	0.002240	0.079119	35.508
4/15/08	17:00	1.711	0.732	0.263	118.136	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/15/08	18:00	1.678	0.699	0.235	105.401	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/15/08	19:00	1.724	0.745	0.275	123.394	1.355	0.024	0.007315	0.002015	0.071152	31.933
4/15/08	20:00	1.694	0.715	0.248	111.467	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/15/08	21:00	1.719	0.740	0.270	121.355	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/15/08	22:00	1.722	0.743	0.273	122.576	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/15/08	23:00	1.738	0.759	0.288	129.210	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/16/08	0:00	1.72	0.741	0.271	121.761	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/16/08	1:00	1.724	0.745	0.275	123.394	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/16/08	2:00	1.713	0.734	0.265	118.936	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/16/08	3:00	1.72	0.741	0.271	121.761	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/16/08	4:00	1.72	0.741	0.271	121.761	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	5:00	1.725	0.746	0.276	123.804	1.365	0.034	0.010363	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/16/08	6:00	1.709	0.730	0.261	117.339	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	7:00	1.709	0.730	0.261	117.339	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	8:00	1.721	0.742	0.272	122.168	1.36	0.029	0.008839	0.002593	0.091584	41.103
4/16/08	9:00	1.714	0.735	0.266	119.337	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	10:00	1.723	0.744	0.274	122.984	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/16/08	11:00	1.724	0.745	0.275	123.394	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	12:00	1.717	0.738	0.269	120.546	1.364	0.033	0.010058	0.003090	0.109124	48.975
4/16/08	13:00	1.717	0.738	0.269	120.546	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/16/08	14:00	1.691	0.712	0.246	110.314	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/16/08	15:00	1.706	0.727	0.259	116.150	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/16/08	16:00	1.723	0.744	0.274	122.984	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/16/08	17:00	1.711	0.732	0.263	118.136	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	18:00	1.7	0.721	0.254	113.794	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	19:00	1.692	0.713	0.247	110.697	1.366	0.035	0.010667	0.003349	0.118271	53.080
4/16/08	20:00	1.704	0.725	0.257	115.362	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	21:00	1.708	0.729	0.261	116.942	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	22:00	1.703	0.724	0.256	114.969	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/16/08	23:00	1.712	0.733	0.264	118.536	1.365	0.034	0.010363	0.003218	0.113667	51.014
4/17/08	0:00	1.715	0.736	0.267	119.739	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/17/08	1:00	1.701	0.722	0.254	114.185	1.359	0.028	0.008534	0.002473	0.087362	39.208
4/17/08	2:00	1.71	0.731	0.262	117.737	1.361	0.03	0.009144	0.002714	0.095873	43.028
4/17/08	3:00	1.713	0.734	0.265	118.936	1.363	0.032	0.009753	0.002963	0.104644	46.964
4/17/08	4:00	1.717	0.738	0.269	120.546	1.362	0.031	0.009448	0.002838	0.100226	44.982
4/17/08	5:00	1.776	0.797	0.325	145.816	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/17/08	6:00	2.047	1.068	0.671	301.218	1.461	0.13	0.039622	0.021756	0.768433	344.873

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/17/08	7:00	2.18	1.201	0.898	403.114	1.519	0.188	0.057300	0.037409	1.321271	592.986
4/17/08	8:00	2.173	1.194	0.885	397.303	1.521	0.19	0.057909	0.037997	1.342051	602.312
4/17/08	9:00	2.105	1.126	0.765	343.470	1.488	0.157	0.047851	0.028693	1.013424	454.824
4/17/08	10:00	2.025	1.046	0.637	286.055	1.438	0.107	0.032612	0.016375	0.578353	259.565
4/17/08	11:00	1.969	0.990	0.556	249.556	1.412	0.081	0.024688	0.010940	0.386387	173.411
4/17/08	12:00	1.939	0.960	0.515	231.221	1.402	0.071	0.021640	0.009052	0.319698	143.480
4/17/08	13:00	1.898	0.919	0.462	207.507	1.395	0.064	0.019506	0.007803	0.275587	123.683
4/17/08	14:00	1.882	0.903	0.443	198.668	1.391	0.06	0.018287	0.007117	0.251378	112.818
4/17/08	15:00	1.889	0.910	0.451	202.507	1.395	0.064	0.019506	0.007803	0.275587	123.683
4/17/08	16:00	1.924	0.945	0.495	222.366	1.4	0.069	0.021030	0.008688	0.306873	137.724
4/17/08	17:00	1.931	0.952	0.505	226.473	1.405	0.074	0.022554	0.009605	0.339261	152.260
4/17/08	18:00	1.926	0.947	0.498	223.535	1.402	0.071	0.021640	0.009052	0.319698	143.480
4/17/08	19:00	1.908	0.929	0.475	213.149	1.397	0.066	0.020116	0.008153	0.287966	129.239
4/17/08	20:00	1.891	0.912	0.454	203.611	1.395	0.064	0.019506	0.007803	0.275587	123.683
4/17/08	21:00	1.889	0.910	0.451	202.507	1.393	0.062	0.018897	0.007457	0.263390	118.209
4/17/08	22:00	1.937	0.958	0.513	230.028	1.404	0.073	0.022249	0.009420	0.332697	149.314
4/17/08	23:00	2.005	1.026	0.608	272.676	1.43	0.099	0.030174	0.014626	0.516571	231.837
4/18/08	0:00	2.005	1.026	0.608	272.676	1.428	0.097	0.029564	0.014199	0.501493	225.070
4/18/08	1:00	1.97	0.991	0.557	250.182	1.411	0.08	0.024383	0.010746	0.379531	170.333
4/18/08	2:00	1.93	0.951	0.503	225.883	1.399	0.068	0.020725	0.008509	0.300526	134.876
4/18/08	3:00	1.914	0.935	0.483	216.578	1.397	0.066	0.020116	0.008153	0.287966	129.239
4/18/08	4:00	1.911	0.932	0.479	214.860	1.401	0.07	0.021335	0.008869	0.313263	140.593
4/18/08	5:00	1.97	0.991	0.557	250.182	1.411	0.08	0.024383	0.010746	0.379531	170.333
4/18/08	6:00	2.043	1.064	0.665	298.426	1.446	0.115	0.035050	0.018189	0.642419	288.318
4/18/08	7:00	2.521	1.542	1.672	750.259	1.711	0.38	0.115818	0.106131	3.748522	1682.337

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/18/08	8:00	2.684	1.705	2.146	963.346	1.725	0.394	0.120085	0.112000	3.955834	1775.378
4/18/08	9:00	2.383	1.404	1.324	594.240	1.628	0.297	0.090521	0.073589	2.599158	1166.502
4/18/08	10:00	2.197	1.218	0.930	417.435	1.548	0.217	0.066138	0.046232	1.632919	732.854
4/18/08	11:00	2.135	1.156	0.817	366.641	1.5	0.169	0.051509	0.031975	1.129354	506.854
4/18/08	12:00	2.053	1.074	0.681	305.435	1.47	0.139	0.042365	0.023997	0.847577	380.392
4/18/08	13:00	2.015	1.036	0.622	279.318	1.458	0.127	0.038708	0.021026	0.742632	333.293
4/18/08	14:00	2.019	1.040	0.628	282.001	1.453	0.122	0.037184	0.019827	0.700289	314.290
4/18/08	15:00	2.019	1.040	0.628	282.001	1.444	0.113	0.034441	0.017729	0.626193	281.035
4/18/08	16:00	2.002	1.023	0.603	270.703	1.434	0.103	0.031393	0.015492	0.547171	245.570
4/18/08	17:00	1.99	1.011	0.586	262.894	1.425	0.094	0.028650	0.013566	0.479156	215.045
4/18/08	18:00	1.974	0.995	0.563	252.694	1.42	0.089	0.027126	0.012534	0.442691	198.680
4/18/08	19:00	1.969	0.990	0.556	249.556	1.413	0.082	0.024992	0.011135	0.393285	176.506
4/18/08	20:00	1.955	0.976	0.537	240.895	1.411	0.08	0.024383	0.010746	0.379531	170.333
4/18/08	21:00	1.934	0.955	0.509	228.246	1.408	0.077	0.023468	0.010170	0.359208	161.212
4/18/08	22:00	1.925	0.946	0.497	222.950	1.406	0.075	0.022859	0.009792	0.345867	155.225
4/18/08	23:00	1.93	0.951	0.503	225.883	1.401	0.07	0.021335	0.008869	0.313263	140.593
4/19/08	0:00	1.923	0.944	0.494	221.783	1.401	0.07	0.021335	0.008869	0.313263	140.593
4/19/08	1:00	1.93	0.951	0.503	225.883	1.399	0.068	0.020725	0.008509	0.300526	134.876
4/19/08	2:00	1.923	0.944	0.494	221.783	1.399	0.068	0.020725	0.008509	0.300526	134.876
4/19/08	3:00	1.914	0.935	0.483	216.578	1.396	0.065	0.019811	0.007977	0.281754	126.451
4/19/08	4:00	1.914	0.935	0.483	216.578	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/19/08	5:00	1.903	0.924	0.469	210.317	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/19/08	6:00	1.898	0.919	0.462	207.507	1.394	0.063	0.019201	0.007629	0.269465	120.936
4/19/08	7:00	1.891	0.912	0.454	203.611	1.392	0.061	0.018592	0.007287	0.257360	115.503
4/19/08	8:00	1.887	0.908	0.449	201.405	1.392	0.061	0.018592	0.007287	0.257360	115.503

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/19/08	9:00	1.886	0.907	0.448	200.856	1.389	0.058	0.017678	0.006782	0.239555	107.512
4/19/08	10:00	1.879	0.900	0.439	197.036	1.389	0.058	0.017678	0.006782	0.239555	107.512
4/19/08	11:00	1.878	0.899	0.438	196.494	1.39	0.059	0.017982	0.006949	0.245443	110.155
4/19/08	12:00	1.876	0.897	0.435	195.412	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	13:00	1.873	0.894	0.432	193.797	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	14:00	1.863	0.884	0.420	188.469	1.387	0.056	0.017068	0.006453	0.227923	102.292
4/19/08	15:00	1.865	0.886	0.422	189.528	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/19/08	16:00	1.861	0.882	0.418	187.415	1.386	0.055	0.016763	0.006291	0.222180	99.714
4/19/08	17:00	1.852	0.873	0.407	182.712	1.387	0.056	0.017068	0.006453	0.227923	102.292
4/19/08	18:00	1.854	0.875	0.409	183.751	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	19:00	1.857	0.878	0.413	185.316	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	20:00	1.854	0.875	0.409	183.751	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	21:00	1.868	0.889	0.426	191.122	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	22:00	1.865	0.886	0.422	189.528	1.388	0.057	0.017373	0.006617	0.233715	104.891
4/19/08	23:00	1.858	0.879	0.414	185.839	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/20/08	0:00	1.863	0.884	0.420	188.469	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/20/08	1:00	1.856	0.877	0.412	184.793	1.386	0.055	0.016763	0.006291	0.222180	99.714
4/20/08	2:00	1.863	0.884	0.420	188.469	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/20/08	3:00	1.852	0.873	0.407	182.712	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	4:00	1.857	0.878	0.413	185.316	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	5:00	1.843	0.864	0.397	178.081	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/20/08	6:00	1.856	0.877	0.412	184.793	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/20/08	7:00	1.844	0.865	0.398	178.592	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/20/08	8:00	1.842	0.863	0.396	177.571	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/20/08	9:00	1.844	0.865	0.398	178.592	1.386	0.055	0.016763	0.006291	0.222180	99.714

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/20/08	10:00	1.836	0.857	0.389	174.528	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/20/08	11:00	1.871	0.892	0.429	192.724	1.389	0.058	0.017678	0.006782	0.239555	107.512
4/20/08	12:00	1.849	0.870	0.404	181.160	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/20/08	13:00	1.83	0.851	0.382	171.517	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/20/08	14:00	1.828	0.849	0.380	170.520	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/20/08	15:00	1.798	0.819	0.348	155.985	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/20/08	16:00	1.826	0.847	0.378	169.527	1.386	0.055	0.016763	0.006291	0.222180	99.714
4/20/08	17:00	1.785	0.806	0.334	149.926	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	18:00	1.794	0.815	0.343	154.105	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/20/08	19:00	1.801	0.822	0.351	157.404	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	20:00	1.815	0.836	0.366	164.126	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	21:00	1.802	0.823	0.352	157.878	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	22:00	1.816	0.837	0.367	164.613	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/20/08	23:00	1.818	0.839	0.369	165.589	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/21/08	0:00	1.82	0.841	0.371	166.568	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/21/08	1:00	1.809	0.830	0.359	161.224	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/21/08	2:00	1.82	0.841	0.371	166.568	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/21/08	3:00	1.813	0.834	0.364	163.155	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/21/08	4:00	1.809	0.830	0.359	161.224	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/21/08	5:00	1.821	0.842	0.372	167.059	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/21/08	6:00	1.804	0.825	0.354	158.830	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/21/08	7:00	1.807	0.828	0.357	160.264	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/21/08	8:00	1.802	0.823	0.352	157.878	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/21/08	9:00	1.8	0.821	0.350	156.930	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/21/08	10:00	1.795	0.816	0.344	154.574	1.376	0.045	0.013715	0.004743	0.167523	75.184

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/21/08	11:00	1.811	0.832	0.361	162.188	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/21/08	12:00	1.788	0.809	0.337	151.312	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/21/08	13:00	1.793	0.814	0.342	153.638	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/21/08	14:00	1.795	0.816	0.344	154.574	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/21/08	15:00	1.799	0.820	0.349	156.457	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/21/08	16:00	1.785	0.806	0.334	149.926	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/21/08	17:00	1.787	0.808	0.336	150.849	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/21/08	18:00	1.787	0.808	0.336	150.849	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/21/08	19:00	1.79	0.811	0.339	152.239	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/21/08	20:00	1.797	0.818	0.347	155.514	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/21/08	21:00	1.785	0.806	0.334	149.926	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/21/08	22:00	1.797	0.818	0.347	155.514	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/21/08	23:00	1.797	0.818	0.347	155.514	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/22/08	0:00	1.811	0.832	0.361	162.188	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/22/08	1:00	1.814	0.835	0.365	163.640	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/22/08	2:00	1.816	0.837	0.367	164.613	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/22/08	3:00	1.821	0.842	0.372	167.059	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	4:00	1.814	0.835	0.365	163.640	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	5:00	1.808	0.829	0.358	160.744	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	6:00	1.808	0.829	0.358	160.744	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	7:00	1.806	0.827	0.356	159.785	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/22/08	8:00	1.806	0.827	0.356	159.785	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/22/08	9:00	1.811	0.832	0.361	162.188	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/22/08	10:00	1.808	0.829	0.358	160.744	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	11:00	1.814	0.835	0.365	163.640	1.373	0.042	0.012801	0.004308	0.152154	68.287

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/22/08	12:00	1.814	0.835	0.365	163.640	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/22/08	13:00	1.764	0.785	0.313	140.442	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/22/08	14:00	1.743	0.764	0.293	131.327	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	15:00	1.755	0.776	0.304	136.490	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/22/08	16:00	1.753	0.774	0.302	135.621	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/22/08	17:00	1.758	0.779	0.307	137.800	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/22/08	18:00	1.766	0.787	0.315	141.329	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/22/08	19:00	1.747	0.768	0.296	133.034	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/22/08	20:00	1.754	0.775	0.303	136.055	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/22/08	21:00	1.76	0.781	0.309	138.677	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/22/08	22:00	1.748	0.769	0.297	133.464	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/22/08	23:00	1.767	0.788	0.316	141.774	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/23/08	0:00	1.778	0.799	0.327	146.723	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/23/08	1:00	1.776	0.797	0.325	145.816	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/23/08	2:00	1.776	0.797	0.325	145.816	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/23/08	3:00	1.771	0.792	0.320	143.562	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/23/08	4:00	1.774	0.795	0.323	144.912	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/23/08	5:00	1.776	0.797	0.325	145.816	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/23/08	6:00	1.772	0.793	0.321	144.011	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/23/08	7:00	1.77	0.791	0.319	143.114	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/23/08	8:00	1.775	0.796	0.324	145.363	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/23/08	9:00	1.78	0.801	0.329	147.634	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/23/08	10:00	1.767	0.788	0.316	141.774	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/23/08	11:00	1.748	0.769	0.297	133.464	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/23/08	12:00	1.752	0.773	0.301	135.188	1.37	0.039	0.011887	0.003887	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/23/08	13:00	1.755	0.776	0.304	136.490	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/23/08	14:00	1.772	0.793	0.321	144.011	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/23/08	15:00	1.742	0.763	0.292	130.902	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/23/08	16:00	1.745	0.766	0.295	132.179	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/23/08	17:00	1.745	0.766	0.295	132.179	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/23/08	18:00	1.764	0.785	0.313	140.442	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/23/08	19:00	1.738	0.759	0.288	129.210	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/23/08	20:00	1.749	0.770	0.298	133.893	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/23/08	21:00	1.753	0.774	0.302	135.621	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/23/08	22:00	1.756	0.777	0.305	136.926	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/23/08	23:00	1.762	0.783	0.311	139.558	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	0:00	1.769	0.790	0.318	142.666	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/24/08	1:00	1.774	0.795	0.323	144.912	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/24/08	2:00	1.778	0.799	0.327	146.723	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/24/08	3:00	1.769	0.790	0.318	142.666	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/24/08	4:00	1.769	0.790	0.318	142.666	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	5:00	1.769	0.790	0.318	142.666	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/24/08	6:00	1.771	0.792	0.320	143.562	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/24/08	7:00	1.769	0.790	0.318	142.666	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/24/08	8:00	1.769	0.790	0.318	142.666	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/24/08	9:00	1.788	0.809	0.337	151.312	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/24/08	10:00	1.773	0.794	0.322	144.461	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/24/08	11:00	1.771	0.792	0.320	143.562	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/24/08	12:00	1.776	0.797	0.325	145.816	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/24/08	13:00	1.773	0.794	0.322	144.461	1.374	0.043	0.013106	0.004451	0.157222	70.561

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/24/08	14:00	1.781	0.802	0.330	148.091	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	15:00	1.767	0.788	0.316	141.774	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/24/08	16:00	1.774	0.795	0.323	144.912	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/24/08	17:00	1.717	0.738	0.269	120.546	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/24/08	18:00	1.673	0.694	0.231	103.547	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	19:00	1.741	0.762	0.291	130.478	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/24/08	20:00	1.734	0.755	0.284	127.532	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	21:00	1.759	0.780	0.308	138.238	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	22:00	1.762	0.783	0.311	139.558	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/24/08	23:00	1.766	0.787	0.315	141.329	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/25/08	0:00	1.757	0.778	0.306	137.362	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/25/08	1:00	1.757	0.778	0.306	137.362	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/25/08	2:00	1.797	0.818	0.347	155.514	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/25/08	3:00	1.928	0.949	0.501	224.707	1.414	0.083	0.025297	0.011331	0.400223	179.620
4/25/08	4:00	2.023	1.044	0.634	284.700	1.433	0.102	0.031088	0.015274	0.539466	242.112
4/25/08	5:00	1.976	0.997	0.566	253.956	1.416	0.085	0.025907	0.011728	0.414220	185.902
4/25/08	6:00	1.905	0.926	0.471	211.447	1.401	0.07	0.021335	0.008869	0.313263	140.593
4/25/08	7:00	1.856	0.877	0.412	184.793	1.387	0.056	0.017068	0.006453	0.227923	102.292
4/25/08	8:00	1.819	0.840	0.370	166.078	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/25/08	9:00	1.8	0.821	0.350	156.930	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/25/08	10:00	1.786	0.807	0.335	150.387	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/25/08	11:00	1.777	0.798	0.326	146.269	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/25/08	12:00	1.76	0.781	0.309	138.677	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/25/08	13:00	1.758	0.779	0.307	137.800	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/25/08	14:00	1.748	0.769	0.297	133.464	1.374	0.043	0.013106	0.004451	0.157222	70.561

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/25/08	15:00	1.751	0.772	0.300	134.756	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/25/08	16:00	1.739	0.760	0.289	129.632	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/25/08	17:00	1.751	0.772	0.300	134.756	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/25/08	18:00	1.753	0.774	0.302	135.621	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/25/08	19:00	1.751	0.772	0.300	134.756	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/25/08	20:00	1.744	0.765	0.294	131.752	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/25/08	21:00	1.738	0.759	0.288	129.210	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/25/08	22:00	1.736	0.757	0.286	128.369	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/25/08	23:00	1.75	0.771	0.299	134.324	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/26/08	0:00	1.746	0.767	0.295	132.606	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/26/08	1:00	1.744	0.765	0.294	131.752	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	2:00	1.747	0.768	0.296	133.034	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/26/08	3:00	1.743	0.764	0.293	131.327	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	4:00	1.741	0.762	0.291	130.478	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/26/08	5:00	1.746	0.767	0.295	132.606	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	6:00	1.746	0.767	0.295	132.606	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	7:00	1.739	0.760	0.289	129.632	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/26/08	8:00	1.74	0.761	0.290	130.054	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	9:00	1.741	0.762	0.291	130.478	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	10:00	1.736	0.757	0.286	128.369	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	11:00	1.742	0.763	0.292	130.902	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	12:00	1.747	0.768	0.296	133.034	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/26/08	13:00	1.744	0.765	0.294	131.752	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/26/08	14:00	1.737	0.758	0.287	128.789	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/26/08	15:00	1.739	0.760	0.289	129.632	1.37	0.039	0.011887	0.003887	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/26/08	16:00	1.715	0.736	0.267	119.739	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/26/08	17:00	1.736	0.757	0.286	128.369	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/26/08	18:00	1.736	0.757	0.286	128.369	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/26/08	19:00	1.745	0.766	0.295	132.179	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/26/08	20:00	1.781	0.802	0.330	148.091	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/26/08	21:00	1.795	0.816	0.344	154.574	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/26/08	22:00	1.823	0.844	0.374	168.044	1.385	0.054	0.016458	0.006129	0.216486	97.159
4/26/08	23:00	1.788	0.809	0.337	151.312	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/27/08	0:00	1.786	0.807	0.335	150.387	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/27/08	1:00	1.775	0.796	0.324	145.363	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/27/08	2:00	1.768	0.789	0.317	142.220	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/27/08	3:00	1.764	0.785	0.313	140.442	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/27/08	4:00	1.771	0.792	0.320	143.562	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/27/08	5:00	1.758	0.779	0.307	137.800	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/27/08	6:00	1.753	0.774	0.302	135.621	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	7:00	1.747	0.768	0.296	133.034	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	8:00	1.749	0.770	0.298	133.893	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/27/08	9:00	1.747	0.768	0.296	133.034	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/27/08	10:00	1.746	0.767	0.295	132.606	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/27/08	11:00	1.748	0.769	0.297	133.464	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/27/08	12:00	1.737	0.758	0.287	128.789	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/27/08	13:00	1.671	0.692	0.229	102.811	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	14:00	1.736	0.757	0.286	128.369	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	15:00	1.724	0.745	0.275	123.394	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/27/08	16:00	1.724	0.745	0.275	123.394	1.372	0.041	0.012496	0.004166	0.147141	66.037

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/27/08	17:00	1.731	0.752	0.281	126.282	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	18:00	1.715	0.736	0.267	119.739	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	19:00	1.691	0.712	0.246	110.314	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	20:00	1.696	0.717	0.250	112.239	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	21:00	1.63	0.651	0.197	88.409	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	22:00	1.63	0.651	0.197	88.409	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/27/08	23:00	1.649	0.670	0.212	94.921	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/28/08	0:00	1.623	0.644	0.192	86.080	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/28/08	1:00	1.63	0.651	0.197	88.409	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/28/08	2:00	1.623	0.644	0.192	86.080	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/28/08	3:00	1.645	0.666	0.208	93.527	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/28/08	4:00	1.659	0.680	0.219	98.461	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/28/08	5:00	1.653	0.674	0.215	96.328	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/28/08	6:00	1.632	0.653	0.198	89.082	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/28/08	7:00	1.602	0.623	0.177	79.314	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/28/08	8:00	1.567	0.588	0.153	68.767	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/28/08	9:00	1.579	0.600	0.161	72.282	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/28/08	10:00	1.593	0.614	0.170	76.516	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/28/08	11:00	1.58	0.601	0.162	72.579	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/28/08	12:00	1.556	0.577	0.146	65.638	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/28/08	13:00	1.574	0.595	0.158	70.805	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/28/08	14:00	1.581	0.602	0.162	72.878	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/28/08	15:00	1.621	0.642	0.190	85.421	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/28/08	16:00	1.628	0.649	0.195	87.740	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/28/08	17:00	1.63	0.651	0.197	88.409	1.371	0.04	0.012191	0.004026	0.142185	63.812

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/28/08	18:00	1.628	0.649	0.195	87.740	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/28/08	19:00	1.621	0.642	0.190	85.421	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/28/08	20:00	1.609	0.630	0.182	81.532	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/28/08	21:00	1.597	0.618	0.173	77.752	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/28/08	22:00	1.578	0.599	0.160	71.985	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/28/08	23:00	1.538	0.559	0.135	60.704	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/29/08	0:00	1.499	0.520	0.113	50.796	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/29/08	1:00	1.513	0.534	0.121	54.231	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/29/08	2:00	1.511	0.532	0.120	53.732	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/29/08	3:00	1.49	0.511	0.108	48.658	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/29/08	4:00	1.481	0.502	0.104	46.576	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/29/08	5:00	1.472	0.493	0.099	44.548	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/29/08	6:00	1.456	0.477	0.092	41.075	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/29/08	7:00	1.551	0.572	0.143	64.244	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/29/08	8:00	1.608	0.629	0.181	81.213	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/29/08	9:00	1.643	0.664	0.207	92.835	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/29/08	10:00	1.659	0.680	0.219	98.461	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/29/08	11:00	1.682	0.703	0.238	106.898	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/29/08	12:00	1.539	0.560	0.136	60.972	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/29/08	13:00	1.583	0.604	0.164	73.477	1.369	0.038	0.011582	0.003750	0.132444	59.441
4/29/08	14:00	1.503	0.524	0.115	51.763	1.37	0.039	0.011887	0.003887	0.137285	61.614
4/29/08	15:00	1.543	0.564	0.138	62.051	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/29/08	16:00	1.56	0.581	0.149	66.766	1.371	0.04	0.012191	0.004026	0.142185	63.812
4/29/08	17:00	1.551	0.572	0.143	64.244	1.372	0.041	0.012496	0.004166	0.147141	66.037
4/29/08	18:00	1.523	0.544	0.126	56.767	1.377	0.046	0.014020	0.004891	0.172754	77.532

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/29/08	19:00	1.49	0.511	0.108	48.658	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/29/08	20:00	1.473	0.494	0.100	44.770	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/29/08	21:00	1.456	0.477	0.092	41.075	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/29/08	22:00	1.437	0.458	0.083	37.169	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/29/08	23:00	1.442	0.463	0.085	38.174	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/30/08	0:00	1.426	0.447	0.078	35.014	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/30/08	1:00	1.414	0.435	0.073	32.750	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/30/08	2:00	1.409	0.430	0.071	31.833	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/30/08	3:00	1.405	0.426	0.069	31.111	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/30/08	4:00	1.405	0.426	0.069	31.111	1.381	0.05	0.015239	0.005499	0.194210	87.161
4/30/08	5:00	1.389	0.410	0.063	28.322	1.378	0.047	0.014325	0.005041	0.178040	79.904
4/30/08	6:00	1.373	0.394	0.057	25.689	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/30/08	7:00	1.383	0.404	0.061	27.317	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/30/08	8:00	1.4	0.421	0.067	30.223	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/30/08	9:00	1.423	0.444	0.077	34.439	1.377	0.046	0.014020	0.004891	0.172754	77.532
4/30/08	10:00	1.446	0.467	0.087	38.990	1.379	0.048	0.014630	0.005192	0.183377	82.300
4/30/08	11:00	1.457	0.478	0.092	41.287	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/30/08	12:00	1.459	0.480	0.093	41.713	1.375	0.044	0.013411	0.004596	0.162345	72.860
4/30/08	13:00	1.454	0.475	0.091	40.653	1.373	0.042	0.012801	0.004308	0.152154	68.287
4/30/08	14:00	1.444	0.465	0.086	38.581	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/30/08	15:00	1.419	0.440	0.075	33.682	1.374	0.043	0.013106	0.004451	0.157222	70.561
4/30/08	16:00	1.391	0.412	0.064	28.662	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/30/08	17:00	1.356	0.377	0.051	23.058	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/30/08	18:00	1.333	0.354	0.044	19.766	1.376	0.045	0.013715	0.004743	0.167523	75.184
4/30/08	19:00	1.298	0.319	0.034	15.328	1.381	0.05	0.015239	0.005499	0.194210	87.161

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
4/30/08	20:00	1.27	0.291	0.027	12.253	1.382	0.051	0.015544	0.005654	0.199703	89.627
4/30/08	21:00	1.276	0.297	0.029	12.878	1.384	0.053	0.016154	0.005969	0.210842	94.626
4/30/08	22:00	1.271	0.292	0.028	12.356	1.38	0.049	0.014934	0.005345	0.188768	84.719
4/30/08	23:00	1.224	0.245	0.018	8.069	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/1/08	0:00	1.215	0.236	0.016	7.370	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/1/08	1:00	1.233	0.254	0.020	8.806	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/1/08	2:00	1.254	0.275	0.024	10.679	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/1/08	3:00	1.264	0.285	0.026	11.648	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/1/08	4:00	1.252	0.273	0.023	10.491	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/1/08	5:00	1.238	0.259	0.021	9.232	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/1/08	6:00	1.226	0.247	0.018	8.229	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/1/08	7:00	1.217	0.238	0.017	7.522	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/1/08	8:00	1.214	0.235	0.016	7.295	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/1/08	9:00	1.21	0.231	0.016	6.998	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/1/08	10:00	1.205	0.226	0.015	6.638	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/1/08	11:00	1.2	0.221	0.014	6.289	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/1/08	12:00	1.193	0.214	0.013	5.819	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/1/08	13:00	1.189	0.210	0.012	5.560	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/1/08	14:00	1.181	0.202	0.011	5.064	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/1/08	15:00	1.175	0.196	0.010	4.710	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/1/08	16:00	1.171	0.192	0.010	4.482	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/1/08	17:00	1.167	0.188	0.009	4.261	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/1/08	18:00	1.164	0.185	0.009	4.100	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/1/08	19:00	1.164	0.185	0.009	4.100	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/1/08	20:00	1.166	0.187	0.009	4.207	1.391	0.06	0.018287	0.007117	0.251378	112.818

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/1/08 21:00	1.167	0.188	0.009	4.261	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/1/08 22:00	1.166	0.187	0.009	4.207	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/1/08 23:00	1.166	0.187	0.009	4.207	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/2/08 0:00	1.166	0.187	0.009	4.207	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/2/08 1:00	1.165	0.186	0.009	4.153	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/2/08 2:00	1.165	0.186	0.009	4.153	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/2/08 3:00	1.17	0.191	0.010	4.426	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/2/08 4:00	1.177	0.198	0.011	4.826	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/2/08 5:00	1.184	0.205	0.012	5.247	1.401	0.07	0.021335	0.008869	0.313263	140.593
5/2/08 6:00	1.184	0.205	0.012	5.247	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/2/08 7:00	1.181	0.202	0.011	5.064	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/2/08 8:00	1.179	0.200	0.011	4.944	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/2/08 9:00	1.182	0.203	0.011	5.124	1.411	0.08	0.024383	0.010746	0.379531	170.333
5/2/08 10:00	1.203	0.224	0.014	6.497	1.434	0.103	0.031393	0.015492	0.547171	245.570
5/2/08 11:00	1.213	0.234	0.016	7.220	1.42	0.089	0.027126	0.012534	0.442691	198.680
5/2/08 12:00	1.208	0.229	0.015	6.853	1.405	0.074	0.022554	0.009605	0.339261	152.260
5/2/08 13:00	1.195	0.216	0.013	5.951	1.399	0.068	0.020725	0.008509	0.300526	134.876
5/2/08 14:00	1.193	0.214	0.013	5.819	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/2/08 15:00	1.186	0.207	0.012	5.371	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/2/08 16:00	1.181	0.202	0.011	5.064	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/2/08 17:00	1.179	0.200	0.011	4.944	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/2/08 18:00	1.174	0.195	0.010	4.652	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/2/08 19:00	1.172	0.193	0.010	4.538	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/2/08 20:00	1.172	0.193	0.010	4.538	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/2/08 21:00	1.17	0.191	0.010	4.426	1.387	0.056	0.017068	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/2/08 22:00	1.168	0.189	0.010	4.316	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/2/08 23:00	1.17	0.191	0.010	4.426	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/3/08 0:00	1.173	0.194	0.010	4.595	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/3/08 1:00	1.178	0.199	0.011	4.885	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/3/08 2:00	1.183	0.204	0.012	5.185	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/3/08 3:00	1.181	0.202	0.011	5.064	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/3/08 4:00	1.179	0.200	0.011	4.944	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/3/08 5:00	1.175	0.196	0.010	4.710	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/3/08 6:00	1.173	0.194	0.010	4.595	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/3/08 7:00	1.169	0.190	0.010	4.371	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/3/08 8:00	1.167	0.188	0.009	4.261	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/3/08 9:00	1.164	0.185	0.009	4.100	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/3/08 10:00	1.161	0.182	0.009	3.942	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/3/08 11:00	1.16	0.181	0.009	3.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/3/08 12:00	1.157	0.178	0.008	3.738	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/3/08 13:00	1.161	0.182	0.009	3.942	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/3/08 14:00	1.165	0.186	0.009	4.153	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/3/08 15:00	1.165	0.186	0.009	4.153	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/3/08 16:00	1.165	0.186	0.009	4.153	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/3/08 17:00	1.163	0.184	0.009	4.047	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/3/08 18:00	1.165	0.186	0.009	4.153	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/3/08 19:00	1.165	0.186	0.009	4.153	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/3/08 20:00	1.165	0.186	0.009	4.153	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/3/08 21:00	1.165	0.186	0.009	4.153	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/3/08 22:00	1.163	0.184	0.009	4.047	1.378	0.047	0.014325	0.005041	0.178040	79.904

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/3/08 23:00	1.16	0.181	0.009	3.891	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/4/08 0:00	1.16	0.181	0.009	3.891	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/4/08 1:00	1.16	0.181	0.009	3.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/4/08 2:00	1.16	0.181	0.009	3.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/4/08 3:00	1.161	0.182	0.009	3.942	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/4/08 4:00	1.158	0.179	0.008	3.788	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/4/08 5:00	1.161	0.182	0.009	3.942	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/4/08 6:00	1.162	0.183	0.009	3.994	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/4/08 7:00	1.162	0.183	0.009	3.994	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/4/08 8:00	1.16	0.181	0.009	3.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/4/08 9:00	1.16	0.181	0.009	3.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/4/08 10:00	1.162	0.183	0.009	3.994	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/4/08 11:00	1.161	0.182	0.009	3.942	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/4/08 12:00	1.16	0.181	0.009	3.891	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/4/08 13:00	1.162	0.183	0.009	3.994	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/4/08 14:00	1.163	0.184	0.009	4.047	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/4/08 15:00	1.166	0.187	0.009	4.207	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/4/08 16:00	1.169	0.190	0.010	4.371	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/4/08 17:00	1.169	0.190	0.010	4.371	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/4/08 18:00	1.169	0.190	0.010	4.371	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/4/08 19:00	1.169	0.190	0.010	4.371	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/4/08 20:00	1.164	0.185	0.009	4.100	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/4/08 21:00	1.161	0.182	0.009	3.942	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/4/08 22:00	1.156	0.177	0.008	3.688	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/4/08 23:00	1.156	0.177	0.008	3.688	1.379	0.048	0.014630	0.005192	0.183377	82.300

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/5/08 0:00	1.153	0.174	0.008	3.540	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/5/08 1:00	1.153	0.174	0.008	3.540	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/5/08 2:00	1.155	0.176	0.008	3.638	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/5/08 3:00	1.153	0.174	0.008	3.540	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/5/08 4:00	1.155	0.176	0.008	3.638	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/5/08 5:00	1.153	0.174	0.008	3.540	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/5/08 6:00	1.153	0.174	0.008	3.540	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/5/08 7:00	1.153	0.174	0.008	3.540	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/5/08 8:00	1.156	0.177	0.008	3.688	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/5/08 9:00	1.158	0.179	0.008	3.788	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/5/08 10:00	1.158	0.179	0.008	3.788	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/5/08 11:00	1.158	0.179	0.008	3.788	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/5/08 12:00	1.16	0.181	0.009	3.891	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/5/08 13:00	1.163	0.184	0.009	4.047	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/5/08 14:00	1.161	0.182	0.009	3.942	1.376	0.045	0.013715	0.004743	0.167523	75.184
5/5/08 15:00	1.16	0.181	0.009	3.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/5/08 16:00	1.157	0.178	0.008	3.738	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/5/08 17:00	1.152	0.173	0.008	3.492	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/5/08 18:00	1.148	0.169	0.007	3.302	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/5/08 19:00	1.145	0.166	0.007	3.164	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/5/08 20:00	1.147	0.168	0.007	3.255	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/5/08 21:00	1.151	0.172	0.008	3.444	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/5/08 22:00	1.153	0.174	0.008	3.540	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/5/08 23:00	1.154	0.175	0.008	3.589	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/6/08 0:00	1.159	0.180	0.009	3.839	1.383	0.052	0.015849	0.005811	0.205247	92.115

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/6/08 1:00	1.161	0.182	0.009	3.942	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/6/08 2:00	1.163	0.184	0.009	4.047	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/6/08 3:00	1.165	0.186	0.009	4.153	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/6/08 4:00	1.165	0.186	0.009	4.153	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/6/08 5:00	1.17	0.191	0.010	4.426	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/6/08 6:00	1.167	0.188	0.009	4.261	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/6/08 7:00	1.167	0.188	0.009	4.261	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/6/08 8:00	1.167	0.188	0.009	4.261	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/6/08 9:00	1.17	0.191	0.010	4.426	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/6/08 10:00	1.172	0.193	0.010	4.538	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/6/08 11:00	1.172	0.193	0.010	4.538	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/6/08 12:00	1.172	0.193	0.010	4.538	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/6/08 13:00	1.176	0.197	0.011	4.768	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/6/08 14:00	1.179	0.200	0.011	4.944	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/6/08 15:00	1.18	0.201	0.011	5.004	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/6/08 16:00	1.179	0.200	0.011	4.944	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/6/08 17:00	1.18	0.201	0.011	5.004	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/6/08 18:00	1.18	0.201	0.011	5.004	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/6/08 19:00	1.182	0.203	0.011	5.124	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/6/08 20:00	1.181	0.202	0.011	5.064	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/6/08 21:00	1.178	0.199	0.011	4.885	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/6/08 22:00	1.177	0.198	0.011	4.826	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/6/08 23:00	1.183	0.204	0.012	5.185	1.405	0.074	0.022554	0.009605	0.339261	152.260
5/7/08 0:00	1.204	0.225	0.015	6.567	1.411	0.08	0.024383	0.010746	0.379531	170.333
5/7/08 1:00	1.213	0.234	0.016	7.220	1.42	0.089	0.027126	0.012534	0.442691	198.680

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/7/08 2:00	1.222	0.243	0.018	7.910	1.415	0.084	0.025602	0.011529	0.407202	182.752
5/7/08 3:00	1.222	0.243	0.018	7.910	1.407	0.076	0.023164	0.009981	0.352516	158.209
5/7/08 4:00	1.217	0.238	0.017	7.522	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/7/08 5:00	1.209	0.230	0.015	6.925	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/7/08 6:00	1.202	0.223	0.014	6.427	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/7/08 7:00	1.2	0.221	0.014	6.289	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/7/08 8:00	1.195	0.216	0.013	5.951	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/7/08 9:00	1.195	0.216	0.013	5.951	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/7/08 10:00	1.193	0.214	0.013	5.819	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/7/08 11:00	1.193	0.214	0.013	5.819	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/7/08 12:00	1.195	0.216	0.013	5.951	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/7/08 13:00	1.193	0.214	0.013	5.819	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/7/08 14:00	1.193	0.214	0.013	5.819	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/7/08 15:00	1.193	0.214	0.013	5.819	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/7/08 16:00	1.193	0.214	0.013	5.819	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/7/08 17:00	1.196	0.217	0.013	6.017	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/7/08 18:00	1.198	0.219	0.014	6.152	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/7/08 19:00	1.196	0.217	0.013	6.017	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/7/08 20:00	1.196	0.217	0.013	6.017	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/7/08 21:00	1.196	0.217	0.013	6.017	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/7/08 22:00	1.193	0.214	0.013	5.819	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/7/08 23:00	1.191	0.212	0.013	5.689	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/8/08 0:00	1.188	0.209	0.012	5.497	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/8/08 1:00	1.188	0.209	0.012	5.497	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/8/08 2:00	1.186	0.207	0.012	5.371	1.38	0.049	0.014934	0.005345	0.188768	84.719

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/8/08 3:00	1.188	0.209	0.012	5.497	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 4:00	1.186	0.207	0.012	5.371	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 5:00	1.186	0.207	0.012	5.371	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/8/08 6:00	1.186	0.207	0.012	5.371	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/8/08 7:00	1.187	0.208	0.012	5.433	1.377	0.046	0.014020	0.004891	0.172754	77.532
5/8/08 8:00	1.187	0.208	0.012	5.433	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 9:00	1.187	0.208	0.012	5.433	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 10:00	1.189	0.210	0.012	5.560	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/8/08 11:00	1.193	0.214	0.013	5.819	1.38	0.049	0.014934	0.005345	0.188768	84.719
5/8/08 12:00	1.198	0.219	0.014	6.152	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 13:00	1.198	0.219	0.014	6.152	1.375	0.044	0.013411	0.004596	0.162345	72.860
5/8/08 14:00	1.201	0.222	0.014	6.358	1.374	0.043	0.013106	0.004451	0.157222	70.561
5/8/08 15:00	1.204	0.225	0.015	6.567	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/8/08 16:00	1.207	0.228	0.015	6.780	1.378	0.047	0.014325	0.005041	0.178040	79.904
5/8/08 17:00	1.208	0.229	0.015	6.853	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 18:00	1.208	0.229	0.015	6.853	1.379	0.048	0.014630	0.005192	0.183377	82.300
5/8/08 19:00	1.207	0.228	0.015	6.780	1.382	0.051	0.015544	0.005654	0.199703	89.627
5/8/08 20:00	1.207	0.228	0.015	6.780	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/8/08 21:00	1.206	0.227	0.015	6.709	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/8/08 22:00	1.206	0.227	0.015	6.709	1.381	0.05	0.015239	0.005499	0.194210	87.161
5/8/08 23:00	1.208	0.229	0.015	6.853	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/9/08 0:00	1.208	0.229	0.015	6.853	1.383	0.052	0.015849	0.005811	0.205247	92.115
5/9/08 1:00	1.21	0.231	0.016	6.998	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/9/08 2:00	1.21	0.231	0.016	6.998	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/9/08 3:00	1.217	0.238	0.017	7.522	1.431	0.1	0.030479	0.014841	0.524166	235.246

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/9/08 4:00	1.242	0.263	0.021	9.582	1.472	0.141	0.042975	0.024505	0.865512	388.442
5/9/08 5:00	1.275	0.296	0.028	12.772	1.481	0.15	0.045718	0.026834	0.947757	425.353
5/9/08 6:00	1.285	0.306	0.031	13.849	1.454	0.123	0.037489	0.020065	0.708692	318.061
5/9/08 7:00	1.254	0.275	0.024	10.679	1.428	0.097	0.029564	0.014199	0.501493	225.070
5/9/08 8:00	1.224	0.245	0.018	8.069	1.411	0.08	0.024383	0.010746	0.379531	170.333
5/9/08 9:00	1.205	0.226	0.015	6.638	1.404	0.073	0.022249	0.009420	0.332697	149.314
5/9/08 10:00	1.191	0.212	0.013	5.689	1.399	0.068	0.020725	0.008509	0.300526	134.876
5/9/08 11:00	1.186	0.207	0.012	5.371	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/9/08 12:00	1.184	0.205	0.012	5.247	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/9/08 13:00	1.191	0.212	0.013	5.689	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/9/08 14:00	1.2	0.221	0.014	6.289	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/9/08 15:00	1.262	0.283	0.026	11.450	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/9/08 16:00	1.285	0.306	0.031	13.849	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/9/08 17:00	1.267	0.288	0.027	11.948	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/9/08 18:00	1.262	0.283	0.026	11.450	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/9/08 19:00	1.248	0.269	0.023	10.122	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/9/08 20:00	1.231	0.252	0.019	8.639	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/9/08 21:00	1.215	0.236	0.016	7.370	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/9/08 22:00	1.2	0.221	0.014	6.289	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/9/08 23:00	1.189	0.210	0.012	5.560	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/10/08 0:00	1.181	0.202	0.011	5.064	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/10/08 1:00	1.179	0.200	0.011	4.944	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/10/08 2:00	1.177	0.198	0.011	4.826	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/10/08 3:00	1.177	0.198	0.011	4.826	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/10/08 4:00	1.181	0.202	0.011	5.064	1.405	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/10/08	5:00	1.193	0.214	0.013	5.819	1.409	0.078	0.023773	0.010361	0.365940	164.234
5/10/08	6:00	1.2	0.221	0.014	6.289	1.406	0.075	0.022859	0.009792	0.345867	155.225
5/10/08	7:00	1.198	0.219	0.014	6.152	1.399	0.068	0.020725	0.008509	0.300526	134.876
5/10/08	8:00	1.191	0.212	0.013	5.689	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/10/08	9:00	1.179	0.200	0.011	4.944	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/10/08	10:00	1.177	0.198	0.011	4.826	1.399	0.068	0.020725	0.008509	0.300526	134.876
5/10/08	11:00	1.174	0.195	0.010	4.652	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/10/08	12:00	1.174	0.195	0.010	4.652	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/10/08	13:00	1.174	0.195	0.010	4.652	1.399	0.068	0.020725	0.008509	0.300526	134.876
5/10/08	14:00	1.184	0.205	0.012	5.247	1.408	0.077	0.023468	0.010170	0.359208	161.212
5/10/08	15:00	1.198	0.219	0.014	6.152	1.415	0.084	0.025602	0.011529	0.407202	182.752
5/10/08	16:00	1.214	0.235	0.016	7.295	1.448	0.117	0.035660	0.018652	0.658783	295.662
5/10/08	17:00	1.261	0.282	0.025	11.352	1.536	0.205	0.062481	0.042506	1.501300	673.783
5/10/08	18:00	1.318	0.339	0.040	17.781	1.559	0.228	0.069491	0.049739	1.756770	788.438
5/10/08	19:00	1.344	0.365	0.047	21.302	1.535	0.204	0.062176	0.042200	1.490499	668.936
5/10/08	20:00	1.334	0.355	0.044	19.903	1.5	0.169	0.051509	0.031975	1.129354	506.854
5/10/08	21:00	1.306	0.327	0.036	16.283	1.471	0.14	0.042670	0.024251	0.856529	384.410
5/10/08	22:00	1.292	0.313	0.033	14.634	1.452	0.121	0.036879	0.019590	0.691921	310.534
5/10/08	23:00	1.276	0.297	0.029	12.878	1.442	0.111	0.033831	0.017274	0.610106	273.815
5/11/08	0:00	1.26	0.281	0.025	11.254	1.43	0.099	0.030174	0.014626	0.516571	231.837
5/11/08	1:00	1.244	0.265	0.022	9.760	1.422	0.091	0.027735	0.012943	0.457162	205.174
5/11/08	2:00	1.235	0.256	0.020	8.975	1.413	0.082	0.024992	0.011135	0.393285	176.506
5/11/08	3:00	1.226	0.247	0.018	8.229	1.415	0.084	0.025602	0.011529	0.407202	182.752
5/11/08	4:00	1.211	0.232	0.016	7.072	1.403	0.072	0.021945	0.009235	0.326176	146.388
5/11/08	5:00	1.211	0.232	0.016	7.072	1.405	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/11/08	6:00	1.204	0.225	0.015	6.567	1.405	0.074	0.022554	0.009605	0.339261	152.260
5/11/08	7:00	1.198	0.219	0.014	6.152	1.402	0.071	0.021640	0.009052	0.319698	143.480
5/11/08	8:00	1.198	0.219	0.014	6.152	1.402	0.071	0.021640	0.009052	0.319698	143.480
5/11/08	9:00	1.195	0.216	0.013	5.951	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/11/08	10:00	1.191	0.212	0.013	5.689	1.398	0.067	0.020421	0.008330	0.294224	132.048
5/11/08	11:00	1.19	0.211	0.013	5.624	1.398	0.067	0.020421	0.008330	0.294224	132.048
5/11/08	12:00	1.189	0.210	0.012	5.560	1.399	0.068	0.020725	0.008509	0.300526	134.876
5/11/08	13:00	1.188	0.209	0.012	5.497	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/11/08	14:00	1.191	0.212	0.013	5.689	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/11/08	15:00	1.193	0.214	0.013	5.819	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/11/08	16:00	1.196	0.217	0.013	6.017	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/11/08	17:00	1.201	0.222	0.014	6.358	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/11/08	18:00	1.204	0.225	0.015	6.567	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/11/08	19:00	1.206	0.227	0.015	6.709	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/11/08	20:00	1.208	0.229	0.015	6.853	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/11/08	21:00	1.208	0.229	0.015	6.853	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/11/08	22:00	1.205	0.226	0.015	6.638	1.397	0.066	0.020116	0.008153	0.287966	129.239
5/11/08	23:00	1.205	0.226	0.015	6.638	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/12/08	0:00	1.205	0.226	0.015	6.638	1.396	0.065	0.019811	0.007977	0.281754	126.451
5/12/08	1:00	1.202	0.223	0.014	6.427	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/12/08	2:00	1.202	0.223	0.014	6.427	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/12/08	3:00	1.205	0.226	0.015	6.638	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/12/08	4:00	1.205	0.226	0.015	6.638	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/12/08	5:00	1.208	0.229	0.015	6.853	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/12/08	6:00	1.215	0.236	0.016	7.370	1.395	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/12/08	7:00	1.22	0.241	0.017	7.754	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/12/08	8:00	1.247	0.268	0.022	10.030	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/12/08	9:00	1.263	0.284	0.026	11.549	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/12/08	10:00	1.276	0.297	0.029	12.878	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/12/08	11:00	1.292	0.313	0.033	14.634	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/12/08	12:00	1.301	0.322	0.035	15.682	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/12/08	13:00	1.306	0.327	0.036	16.283	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/12/08	14:00	1.311	0.332	0.038	16.897	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/12/08	15:00	1.31	0.331	0.037	16.773	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/12/08	16:00	1.315	0.336	0.039	17.399	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/12/08	17:00	1.316	0.337	0.039	17.526	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/12/08	18:00	1.316	0.337	0.039	17.526	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/12/08	19:00	1.313	0.334	0.038	17.147	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/12/08	20:00	1.308	0.329	0.037	16.527	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/12/08	21:00	1.303	0.324	0.035	15.921	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/12/08	22:00	1.297	0.318	0.034	15.211	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/12/08	23:00	1.292	0.313	0.033	14.634	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/13/08	0:00	1.287	0.308	0.031	14.071	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/13/08	1:00	1.285	0.306	0.031	13.849	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/13/08	2:00	1.282	0.303	0.030	13.521	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/13/08	3:00	1.278	0.299	0.029	13.090	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/13/08	4:00	1.275	0.296	0.028	12.772	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/13/08	5:00	1.273	0.294	0.028	12.563	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/13/08	6:00	1.273	0.294	0.028	12.563	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/13/08	7:00	1.273	0.294	0.028	12.563	1.39	0.059	0.017982	0.006949	0.245443	110.155

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/13/08	8:00	1.276	0.297	0.029	12.878	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/13/08	9:00	1.276	0.297	0.029	12.878	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/13/08	10:00	1.276	0.297	0.029	12.878	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/13/08	11:00	1.275	0.296	0.028	12.772	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/13/08	12:00	1.278	0.299	0.029	13.090	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/13/08	13:00	1.28	0.301	0.030	13.304	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/13/08	14:00	1.282	0.303	0.030	13.521	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/13/08	15:00	1.282	0.303	0.030	13.521	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/13/08	16:00	1.285	0.306	0.031	13.849	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/13/08	17:00	1.285	0.306	0.031	13.849	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/13/08	18:00	1.285	0.306	0.031	13.849	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/13/08	19:00	1.285	0.306	0.031	13.849	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/13/08	20:00	1.282	0.303	0.030	13.521	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/13/08	21:00	1.28	0.301	0.030	13.304	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/13/08	22:00	1.278	0.299	0.029	13.090	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/13/08	23:00	1.275	0.296	0.028	12.772	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/14/08	0:00	1.271	0.292	0.028	12.356	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/14/08	1:00	1.271	0.292	0.028	12.356	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/14/08	2:00	1.269	0.290	0.027	12.151	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/14/08	3:00	1.269	0.290	0.027	12.151	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/14/08	4:00	1.269	0.290	0.027	12.151	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/14/08	5:00	1.269	0.290	0.027	12.151	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/14/08	6:00	1.27	0.291	0.027	12.253	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/14/08	7:00	1.27	0.291	0.027	12.253	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/14/08	8:00	1.27	0.291	0.027	12.253	1.387	0.056	0.017068	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/14/08	9:00	1.272	0.293	0.028	12.459	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/14/08	10:00	1.274	0.295	0.028	12.668	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/14/08	11:00	1.278	0.299	0.029	13.090	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/14/08	12:00	1.285	0.306	0.031	13.849	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/14/08	13:00	1.289	0.310	0.032	14.295	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/14/08	14:00	1.292	0.313	0.033	14.634	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/14/08	15:00	1.295	0.316	0.033	14.979	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/14/08	16:00	1.301	0.322	0.035	15.682	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/14/08	17:00	1.304	0.325	0.036	16.041	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/14/08	18:00	1.307	0.328	0.037	16.405	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/14/08	19:00	1.309	0.330	0.037	16.650	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/14/08	20:00	1.217	0.238	0.017	7.522	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/14/08	21:00	1.219	0.240	0.017	7.676	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/14/08	22:00	1.22	0.241	0.017	7.754	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/14/08	23:00	1.22	0.241	0.017	7.754	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/15/08	0:00	1.222	0.243	0.018	7.910	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/15/08	1:00	1.224	0.245	0.018	8.069	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/15/08	2:00	1.224	0.245	0.018	8.069	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/15/08	3:00	1.224	0.245	0.018	8.069	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/15/08	4:00	1.224	0.245	0.018	8.069	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/15/08	5:00	1.224	0.245	0.018	8.069	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/15/08	6:00	1.224	0.245	0.018	8.069	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/15/08	7:00	1.224	0.245	0.018	8.069	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/15/08	8:00	1.224	0.245	0.018	8.069	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/15/08	9:00	1.226	0.247	0.018	8.229	1.387	0.056	0.017068	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/15/08	10:00	1.231	0.252	0.019	8.639	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/15/08	11:00	1.233	0.254	0.020	8.806	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/15/08	12:00	1.238	0.259	0.021	9.232	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/15/08	13:00	1.222	0.243	0.018	7.910	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/15/08	14:00	1.204	0.225	0.015	6.567	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/15/08	15:00	1.213	0.234	0.016	7.220	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/15/08	16:00	1.218	0.239	0.017	7.599	1.393	0.062	0.018897	0.007457	0.263390	118.209
5/15/08	17:00	1.226	0.247	0.018	8.229	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/15/08	18:00	1.23	0.251	0.019	8.556	1.395	0.064	0.019506	0.007803	0.275587	123.683
5/15/08	19:00	1.227	0.248	0.019	8.310	1.394	0.063	0.019201	0.007629	0.269465	120.936
5/15/08	20:00	1.229	0.250	0.019	8.474	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/15/08	21:00	1.225	0.246	0.018	8.149	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/15/08	22:00	1.22	0.241	0.017	7.754	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/15/08	23:00	1.215	0.236	0.016	7.370	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/16/08	0:00	1.213	0.234	0.016	7.220	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/16/08	1:00	1.21	0.231	0.016	6.998	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/16/08	2:00	1.21	0.231	0.016	6.998	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/16/08	3:00	1.207	0.228	0.015	6.780	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/16/08	4:00	1.205	0.226	0.015	6.638	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/16/08	5:00	1.202	0.223	0.014	6.427	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/16/08	6:00	1.2	0.221	0.014	6.289	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/16/08	7:00	1.2	0.221	0.014	6.289	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/16/08	8:00	1.196	0.217	0.013	6.017	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/16/08	9:00	1.196	0.217	0.013	6.017	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/16/08	10:00	1.191	0.212	0.013	5.689	1.388	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/16/08	11:00	1.193	0.214	0.013	5.819	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/16/08	12:00	1.196	0.217	0.013	6.017	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/16/08	13:00	1.203	0.224	0.014	6.497	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/16/08	14:00	1.211	0.232	0.016	7.072	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/16/08	15:00	1.215	0.236	0.016	7.370	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/16/08	16:00	1.22	0.241	0.017	7.754	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/16/08	17:00	1.218	0.239	0.017	7.599	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/16/08	18:00	1.223	0.244	0.018	7.989	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/16/08	19:00	1.214	0.235	0.016	7.295	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/16/08	20:00	1.204	0.225	0.015	6.567	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/16/08	21:00	1.189	0.210	0.012	5.560	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/16/08	22:00	1.174	0.195	0.010	4.652	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/16/08	23:00	1.169	0.190	0.010	4.371	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/17/08	0:00	1.169	0.190	0.010	4.371	1.392	0.061	0.018592	0.007287	0.257360	115.503
5/17/08	1:00	1.168	0.189	0.010	4.316	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/17/08	2:00	1.172	0.193	0.010	4.538	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/17/08	3:00	1.172	0.193	0.010	4.538	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/17/08	4:00	1.172	0.193	0.010	4.538	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/17/08	5:00	1.167	0.188	0.009	4.261	1.391	0.06	0.018287	0.007117	0.251378	112.818
5/17/08	6:00	1.167	0.188	0.009	4.261	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/17/08	7:00	1.165	0.186	0.009	4.153	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/17/08	8:00	1.165	0.186	0.009	4.153	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/17/08	9:00	1.165	0.186	0.009	4.153	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/17/08	10:00	1.167	0.188	0.009	4.261	1.39	0.059	0.017982	0.006949	0.245443	110.155
5/17/08	11:00	1.167	0.188	0.009	4.261	1.388	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/17/08	12:00	1.17	0.191	0.010	4.426	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/17/08	13:00	1.173	0.194	0.010	4.595	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/17/08	14:00	1.174	0.195	0.010	4.652	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/17/08	15:00	1.182	0.203	0.011	5.124	1.385	0.054	0.016458	0.006129	0.216486	97.159
5/17/08	16:00	1.188	0.209	0.012	5.497	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/17/08	17:00	1.193	0.214	0.013	5.819	1.384	0.053	0.016154	0.005969	0.210842	94.626
5/17/08	18:00	1.198	0.219	0.014	6.152	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/17/08	19:00	1.199	0.220	0.014	6.220	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/17/08	20:00	1.192	0.213	0.013	5.753	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/17/08	21:00	1.188	0.209	0.012	5.497	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/17/08	22:00	1.183	0.204	0.012	5.185	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/17/08	23:00	1.18	0.201	0.011	5.004	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/18/08	0:00	1.18	0.201	0.011	5.004	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/18/08	1:00	1.177	0.198	0.011	4.826	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/18/08	2:00	1.177	0.198	0.011	4.826	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/18/08	3:00	1.174	0.195	0.010	4.652	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/18/08	4:00	1.174	0.195	0.010	4.652	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/18/08	5:00	1.172	0.193	0.010	4.538	1.388	0.057	0.017373	0.006617	0.233715	104.891
5/18/08	6:00	1.167	0.188	0.009	4.261	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/18/08	7:00	1.165	0.186	0.009	4.153	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/18/08	8:00	1.163	0.184	0.009	4.047	1.386	0.055	0.016763	0.006291	0.222180	99.714
5/18/08	9:00	1.163	0.184	0.009	4.047	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/18/08	10:00	1.162	0.183	0.009	3.994	1.389	0.058	0.017678	0.006782	0.239555	107.512
5/18/08	11:00	1.162	0.183	0.009	3.994	1.387	0.056	0.017068	0.006453	0.227923	102.292
5/18/08	12:00	1.167	0.188	0.009	4.261	1.386	0.055	0.016763	0.006291	0.222180	99.714

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
5/18/08 13:00	1.173	0.194	0.010	4.595	1.385	0.054	0.016458	0.006129	0.216486	97.159
No measurements from 5/18/09 to 6/9/09, during repositioning of the V-notch weir at the wetlands outfall.										
6/9/08 13:00	2.32	0.860	0.392	176.045						
6/9/08 14:00	2.303	0.843	0.373	167.551	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/9/08 15:00	2.288	0.828	0.357	160.264	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/9/08 16:00	2.272	0.812	0.340	152.705	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/9/08 17:00	2.263	0.803	0.331	148.549	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/9/08 18:00	2.254	0.794	0.322	144.461	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/9/08 19:00	2.248	0.788	0.316	141.774	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/9/08 20:00	2.256	0.796	0.324	145.363	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/9/08 21:00	2.262	0.802	0.330	148.091	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/9/08 22:00	2.268	0.808	0.336	150.849	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/9/08 23:00	2.274	0.814	0.342	153.638	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/10/08 0:00	2.282	0.822	0.351	157.404	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/10/08 1:00	2.289	0.829	0.358	160.744	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/10/08 2:00	2.291	0.831	0.360	161.706	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/10/08 3:00	2.291	0.831	0.360	161.706	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/10/08 4:00	2.293	0.833	0.362	162.671	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/10/08 5:00	2.293	0.833	0.362	162.671	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/10/08 6:00	2.286	0.826	0.355	159.307	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/10/08 7:00	2.288	0.828	0.357	160.264	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/10/08 8:00	2.288	0.828	0.357	160.264	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/10/08 9:00	2.288	0.828	0.357	160.264	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/10/08 10:00	2.286	0.826	0.355	159.307	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/10/08 11:00	2.272	0.812	0.340	152.705	1.41	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/10/08	12:00	2.262	0.802	0.330	148.091	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/10/08	13:00	2.24	0.780	0.308	138.238	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/10/08	14:00	2.215	0.755	0.284	127.532	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/10/08	15:00	2.205	0.745	0.275	123.394	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/10/08	16:00	2.189	0.729	0.261	116.942	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/10/08	17:00	2.175	0.715	0.248	111.467	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/10/08	18:00	2.174	0.714	0.248	111.082	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/10/08	19:00	2.171	0.711	0.245	109.931	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/10/08	20:00	2.18	0.720	0.253	113.404	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/10/08	21:00	2.188	0.728	0.260	116.546	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/10/08	22:00	2.199	0.739	0.269	120.950	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/10/08	23:00	2.21	0.750	0.280	125.453	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/11/08	0:00	2.221	0.761	0.290	130.054	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/11/08	1:00	2.228	0.768	0.296	133.034	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/11/08	2:00	2.232	0.772	0.300	134.756	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/11/08	3:00	2.239	0.779	0.307	137.800	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/11/08	4:00	2.418	0.958	0.513	230.028	1.438	0.092	0.028040	0.013150	0.464455	208.447
6/11/08	5:00	2.415	0.955	0.509	228.246	1.438	0.092	0.028040	0.013150	0.464455	208.447
6/11/08	6:00	2.366	0.906	0.446	200.308	1.431	0.085	0.025907	0.011728	0.414220	185.902
6/11/08	7:00	2.342	0.882	0.418	187.415	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/11/08	8:00	2.312	0.852	0.383	172.017	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/11/08	9:00	2.307	0.847	0.378	169.527	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/11/08	10:00	2.289	0.829	0.358	160.744	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/11/08	11:00	2.284	0.824	0.353	158.354	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/11/08	12:00	2.271	0.811	0.339	152.239	1.412	0.066	0.020116	0.008153	0.287966	129.239

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/11/08	13:00	2.274	0.814	0.342	153.638	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/11/08	14:00	2.253	0.793	0.321	144.011	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/11/08	15:00	2.236	0.776	0.304	136.490	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/11/08	16:00	2.22	0.760	0.289	129.632	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/11/08	17:00	2.217	0.757	0.286	128.369	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/11/08	18:00	2.196	0.736	0.267	119.739	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/11/08	19:00	2.197	0.737	0.268	120.142	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/11/08	20:00	2.604	1.144	0.796	357.263	1.51	0.164	0.049985	0.030593	1.080542	484.947
6/11/08	21:00	4.117	2.657	6.480	2908.408	3.398	2.052	0.625419	1.320512	46.640266	20932.152
6/11/08	22:00	3.908	2.448	5.284	2371.263	2.947	1.601	0.487961	0.910168	32.146992	14427.570
6/11/08	23:00	3.34	1.880	2.737	1228.570	2.256	0.91	0.277354	0.390614	13.796431	6191.838
6/12/08	0:00	3.126	1.666	2.026	909.444	1.921	0.575	0.175251	0.196732	6.948548	3118.508
6/12/08	1:00	2.94	1.480	1.510	677.464	1.741	0.395	0.120390	0.112424	3.970784	1782.088
6/12/08	2:00	2.895	1.435	1.398	627.397	1.68	0.334	0.101798	0.087605	3.094197	1388.676
6/12/08	3:00	2.813	1.353	1.208	542.023	1.609	0.263	0.080158	0.061449	2.170368	974.061
6/12/08	4:00	2.785	1.325	1.147	514.571	1.571	0.225	0.068577	0.048774	1.722693	773.145
6/12/08	5:00	2.721	1.261	1.014	455.009	1.549	0.203	0.061871	0.041895	1.479724	664.100
6/12/08	6:00	2.697	1.237	0.967	433.798	1.523	0.177	0.053947	0.034228	1.208936	542.570
6/12/08	7:00	2.648	1.188	0.874	392.364	1.504	0.158	0.048156	0.028962	1.022924	459.088
6/12/08	8:00	2.631	1.171	0.844	378.568	1.492	0.146	0.044499	0.025790	0.910896	408.810
6/12/08	9:00	2.589	1.129	0.770	345.746	1.48	0.134	0.040841	0.022743	0.803289	360.516
6/12/08	10:00	2.578	1.118	0.752	337.443	1.473	0.127	0.038708	0.021026	0.742632	333.293
6/12/08	11:00	2.56	1.100	0.722	324.118	1.466	0.12	0.036574	0.019354	0.683586	306.793
6/12/08	12:00	2.542	1.082	0.693	311.113	1.459	0.113	0.034441	0.017729	0.626193	281.035
6/12/08	13:00	2.509	1.049	0.642	288.095	1.452	0.106	0.032307	0.016152	0.570504	256.042

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/12/08	14:00	2.48	1.020	0.599	268.737	1.446	0.1	0.030479	0.014841	0.524166	235.246
6/12/08	15:00	2.455	0.995	0.563	252.694	1.442	0.096	0.029259	0.013987	0.494010	221.711
6/12/08	16:00	2.425	0.965	0.522	234.219	1.436	0.09	0.027431	0.012738	0.449907	201.918
6/12/08	17:00	2.409	0.949	0.501	224.707	1.435	0.089	0.027126	0.012534	0.442691	198.680
6/12/08	18:00	2.385	0.925	0.470	210.881	1.43	0.084	0.025602	0.011529	0.407202	182.752
6/12/08	19:00	2.375	0.915	0.457	205.276	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/12/08	20:00	2.371	0.911	0.452	203.059	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/12/08	21:00	2.369	0.909	0.450	201.955	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/12/08	22:00	2.368	0.908	0.449	201.405	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/12/08	23:00	2.377	0.917	0.460	206.389	1.427	0.081	0.024688	0.010940	0.386387	173.411
6/13/08	0:00	2.378	0.918	0.461	206.948	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/13/08	1:00	2.38	0.920	0.464	208.067	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/13/08	2:00	2.375	0.915	0.457	205.276	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/13/08	3:00	2.375	0.915	0.457	205.276	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/13/08	4:00	2.373	0.913	0.455	204.165	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/13/08	5:00	2.37	0.910	0.451	202.507	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/13/08	6:00	2.361	0.901	0.440	197.579	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/13/08	7:00	2.358	0.898	0.437	195.953	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/13/08	8:00	2.358	0.898	0.437	195.953	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/13/08	9:00	2.354	0.894	0.432	193.797	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/13/08	10:00	2.335	0.875	0.409	183.751	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/13/08	11:00	2.322	0.862	0.395	177.061	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/13/08	12:00	2.316	0.856	0.388	174.024	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/13/08	13:00	2.293	0.833	0.362	162.671	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/13/08	14:00	2.271	0.811	0.339	152.239	1.406	0.06	0.018287	0.007117	0.251378	112.818

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/13/08	15:00	2.255	0.795	0.323	144.912	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/13/08	16:00	2.239	0.779	0.307	137.800	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/13/08	17:00	2.223	0.763	0.292	130.902	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/13/08	18:00	2.213	0.753	0.282	126.698	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/13/08	19:00	2.215	0.755	0.284	127.532	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/13/08	20:00	2.212	0.752	0.281	126.282	1.4	0.054	0.016458	0.006129	0.216486	97.159
6/13/08	21:00	2.221	0.761	0.290	130.054	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/13/08	22:00	2.234	0.774	0.302	135.621	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/13/08	23:00	2.245	0.785	0.313	140.442	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/14/08	0:00	2.251	0.791	0.319	143.114	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/14/08	1:00	2.265	0.805	0.333	149.466	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/14/08	2:00	2.269	0.809	0.337	151.312	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/14/08	3:00	2.274	0.814	0.342	153.638	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/14/08	4:00	2.279	0.819	0.348	155.985	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/14/08	5:00	2.281	0.821	0.350	156.930	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/14/08	6:00	2.279	0.819	0.348	155.985	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/14/08	7:00	2.276	0.816	0.344	154.574	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/14/08	8:00	2.276	0.816	0.344	154.574	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/14/08	9:00	2.276	0.816	0.344	154.574	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/14/08	10:00	2.262	0.802	0.330	148.091	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/14/08	11:00	2.249	0.789	0.317	142.220	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/14/08	12:00	2.238	0.778	0.306	137.362	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/14/08	13:00	2.215	0.755	0.284	127.532	1.398	0.052	0.015849	0.005811	0.205247	92.115
6/14/08	14:00	2.205	0.745	0.275	123.394	1.396	0.05	0.015239	0.005499	0.194210	87.161
6/14/08	15:00	2.183	0.723	0.255	114.576	1.393	0.047	0.014325	0.005041	0.178040	79.904

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/14/08	16:00	2.165	0.705	0.240	107.652	1.394	0.048	0.014630	0.005192	0.183377	82.300
6/14/08	17:00	2.156	0.696	0.232	104.286	1.391	0.045	0.013715	0.004743	0.167523	75.184
6/14/08	18:00	2.156	0.696	0.232	104.286	1.394	0.048	0.014630	0.005192	0.183377	82.300
6/14/08	19:00	2.16	0.700	0.236	105.774	1.392	0.046	0.014020	0.004891	0.172754	77.532
6/14/08	20:00	2.169	0.709	0.243	109.168	1.395	0.049	0.014934	0.005345	0.188768	84.719
6/14/08	21:00	2.183	0.723	0.255	114.576	1.397	0.051	0.015544	0.005654	0.199703	89.627
6/14/08	22:00	2.191	0.731	0.262	117.737	1.397	0.051	0.015544	0.005654	0.199703	89.627
6/14/08	23:00	2.202	0.742	0.272	122.168	1.398	0.052	0.015849	0.005811	0.205247	92.115
6/15/08	0:00	2.213	0.753	0.282	126.698	1.4	0.054	0.016458	0.006129	0.216486	97.159
6/15/08	1:00	2.221	0.761	0.290	130.054	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/15/08	2:00	2.221	0.761	0.290	130.054	1.4	0.054	0.016458	0.006129	0.216486	97.159
6/15/08	3:00	2.235	0.775	0.303	136.055	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/15/08	4:00	2.239	0.779	0.307	137.800	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/15/08	5:00	2.244	0.784	0.312	139.999	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/15/08	6:00	2.244	0.784	0.312	139.999	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/15/08	7:00	2.248	0.788	0.316	141.774	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/15/08	8:00	2.251	0.791	0.319	143.114	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/15/08	9:00	2.763	1.303	1.100	493.601	1.553	0.207	0.063091	0.043120	1.522979	683.513
6/15/08	10:00	2.826	1.366	1.237	555.060	1.631	0.285	0.086864	0.069221	2.444886	1097.265
6/15/08	11:00	2.86	1.400	1.315	590.040	1.648	0.302	0.092045	0.075435	2.664361	1195.765
6/15/08	12:00	2.762	1.302	1.098	492.660	1.552	0.206	0.062786	0.042812	1.512127	678.642
6/15/08	13:00	2.646	1.186	0.871	390.725	1.503	0.157	0.047851	0.028693	1.013424	454.824
6/15/08	14:00	2.577	1.117	0.750	336.695	1.473	0.127	0.038708	0.021026	0.742632	333.293
6/15/08	15:00	2.508	1.048	0.640	287.414	1.454	0.108	0.032917	0.016598	0.586238	263.104
6/15/08	16:00	2.462	1.002	0.573	257.127	1.445	0.099	0.030174	0.014626	0.516571	231.837

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/15/08	17:00	2.415	0.955	0.509	228.246	1.436	0.09	0.027431	0.012738	0.449907	201.918
6/15/08	18:00	2.387	0.927	0.472	212.014	1.437	0.091	0.027735	0.012943	0.457162	205.174
6/15/08	19:00	2.362	0.902	0.441	198.123	1.435	0.089	0.027126	0.012534	0.442691	198.680
6/15/08	20:00	2.354	0.894	0.432	193.797	1.43	0.084	0.025602	0.011529	0.407202	182.752
6/15/08	21:00	2.343	0.883	0.419	187.942	1.43	0.084	0.025602	0.011529	0.407202	182.752
6/15/08	22:00	2.338	0.878	0.413	185.316	1.427	0.081	0.024688	0.010940	0.386387	173.411
6/15/08	23:00	2.337	0.877	0.412	184.793	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/16/08	0:00	2.336	0.876	0.411	184.272	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/16/08	1:00	2.331	0.871	0.405	181.677	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/16/08	2:00	2.326	0.866	0.399	179.104	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/16/08	3:00	2.324	0.864	0.397	178.081	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/16/08	4:00	2.319	0.859	0.391	175.539	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/16/08	5:00	2.321	0.861	0.393	176.553	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/16/08	6:00	2.314	0.854	0.386	173.019	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/16/08	7:00	2.309	0.849	0.380	170.520	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/16/08	8:00	2.309	0.849	0.380	170.520	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/16/08	9:00	2.3	0.840	0.370	166.078	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/16/08	10:00	2.293	0.833	0.362	162.671	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/16/08	11:00	2.286	0.826	0.355	159.307	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/16/08	12:00	2.273	0.813	0.341	153.171	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/16/08	13:00	2.262	0.802	0.330	148.091	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/16/08	14:00	2.249	0.789	0.317	142.220	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/16/08	15:00	2.235	0.775	0.303	136.055	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/16/08	16:00	2.229	0.769	0.297	133.464	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/16/08	17:00	2.22	0.760	0.289	129.632	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/16/08	18:00	2.215	0.755	0.284	127.532	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/16/08	19:00	2.21	0.750	0.280	125.453	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/16/08	20:00	2.212	0.752	0.281	126.282	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/16/08	21:00	2.218	0.758	0.287	128.789	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/16/08	22:00	2.229	0.769	0.297	133.464	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/16/08	23:00	2.235	0.775	0.303	136.055	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/17/08	0:00	2.249	0.789	0.317	142.220	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/17/08	1:00	2.246	0.786	0.314	140.885	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/17/08	2:00	2.253	0.793	0.321	144.011	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/17/08	3:00	2.258	0.798	0.326	146.269	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/17/08	4:00	2.26	0.800	0.328	147.178	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/17/08	5:00	2.255	0.795	0.323	144.912	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/17/08	6:00	2.26	0.800	0.328	147.178	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/17/08	7:00	2.257	0.797	0.325	145.816	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/17/08	8:00	2.302	0.842	0.372	167.059	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/17/08	9:00	2.304	0.844	0.374	168.044	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/17/08	10:00	2.288	0.828	0.357	160.264	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/17/08	11:00	2.281	0.821	0.350	156.930	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/17/08	12:00	2.268	0.808	0.336	150.849	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/17/08	13:00	2.252	0.792	0.320	143.562	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/17/08	14:00	2.246	0.786	0.314	140.885	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/17/08	15:00	2.229	0.769	0.297	133.464	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/17/08	16:00	2.22	0.760	0.289	129.632	1.4	0.054	0.016458	0.006129	0.216486	97.159
6/17/08	17:00	2.209	0.749	0.279	125.039	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/17/08	18:00	2.211	0.751	0.280	125.867	1.402	0.056	0.017068	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/17/08	19:00	2.211	0.751	0.280	125.867	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/17/08	20:00	2.215	0.755	0.284	127.532	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/17/08	21:00	2.222	0.762	0.291	130.478	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/17/08	22:00	2.232	0.772	0.300	134.756	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/17/08	23:00	2.253	0.793	0.321	144.011	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/18/08	0:00	2.311	0.851	0.382	171.517	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/18/08	1:00	2.341	0.881	0.416	186.889	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/18/08	2:00	2.333	0.873	0.407	182.712	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/18/08	3:00	2.321	0.861	0.393	176.553	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/18/08	4:00	2.312	0.852	0.383	172.017	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/18/08	5:00	2.309	0.849	0.380	170.520	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/18/08	6:00	2.307	0.847	0.378	169.527	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/18/08	7:00	2.3	0.840	0.370	166.078	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/18/08	8:00	2.3	0.840	0.370	166.078	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/18/08	9:00	2.307	0.847	0.378	169.527	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/18/08	10:00	2.302	0.842	0.372	167.059	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/18/08	11:00	2.296	0.836	0.366	164.126	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/18/08	12:00	2.28	0.820	0.349	156.457	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/18/08	13:00	2.27	0.810	0.338	151.775	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/18/08	14:00	2.258	0.798	0.326	146.269	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/18/08	15:00	2.25	0.790	0.318	142.666	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/18/08	16:00	2.242	0.782	0.310	139.117	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/18/08	17:00	2.232	0.772	0.300	134.756	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/18/08	18:00	2.228	0.768	0.296	133.034	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/18/08	19:00	2.223	0.763	0.292	130.902	1.407	0.061	0.018592	0.007287	0.257360	115.503

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/18/08	20:00	2.227	0.767	0.295	132.606	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/18/08	21:00	2.238	0.778	0.306	137.362	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/18/08	22:00	2.249	0.789	0.317	142.220	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/18/08	23:00	2.258	0.798	0.326	146.269	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/19/08	0:00	2.262	0.802	0.330	148.091	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/19/08	1:00	2.266	0.806	0.334	149.926	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/19/08	2:00	2.268	0.808	0.336	150.849	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/19/08	3:00	2.286	0.826	0.355	159.307	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/19/08	4:00	2.281	0.821	0.350	156.930	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/19/08	5:00	2.284	0.824	0.353	158.354	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/19/08	6:00	2.281	0.821	0.350	156.930	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/19/08	7:00	2.286	0.826	0.355	159.307	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/19/08	8:00	2.286	0.826	0.355	159.307	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/19/08	9:00	2.291	0.831	0.360	161.706	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/19/08	10:00	2.288	0.828	0.357	160.264	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/19/08	11:00	2.284	0.824	0.353	158.354	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/19/08	12:00	2.271	0.811	0.339	152.239	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/19/08	13:00	2.213	0.753	0.282	126.698	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/19/08	14:00	2.2	0.740	0.270	121.355	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/19/08	15:00	2.186	0.726	0.258	115.756	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/19/08	16:00	2.243	0.783	0.311	139.558	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/19/08	17:00	2.872	1.412	1.343	602.693	1.702	0.356	0.108504	0.096317	3.401911	1526.778
6/19/08	18:00	2.826	1.366	1.237	555.060	1.63	0.284	0.086559	0.068861	2.432173	1091.559
6/19/08	19:00	2.762	1.302	1.098	492.660	1.569	0.223	0.067967	0.048134	1.700100	763.005
6/19/08	20:00	4.258	2.798	7.372	3308.519	4.122	2.776	0.846084	2.078311	73.405588	32944.428

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/19/08	21:00	2.753	1.293	1.079	484.241	2.463	1.117	0.340445	0.530811	18.748145	8414.168
6/19/08	22:00	2.081	0.621	0.175	78.687	2.042	0.696	0.212130	0.261642	9.241156	4147.431
6/19/08	23:00	1.835	0.375	0.051	22.759	1.8	0.454	0.138372	0.138318	4.885369	2192.554
6/20/08	0:00	1.788	0.328	0.037	16.405	1.685	0.339	0.103322	0.089561	3.163275	1419.678
6/20/08	1:00	1.755	0.295	0.028	12.668	1.624	0.278	0.084730	0.066715	2.356360	1057.534
6/20/08	2:00	1.743	0.283	0.026	11.450	1.583	0.237	0.072234	0.052671	1.860325	834.914
6/20/08	3:00	1.724	0.264	0.022	9.671	1.559	0.213	0.064919	0.044979	1.588637	712.980
6/20/08	4:00	1.708	0.248	0.019	8.310	1.542	0.196	0.059738	0.039780	1.405035	630.580
6/20/08	5:00	1.698	0.238	0.017	7.522	1.528	0.182	0.055471	0.035662	1.259584	565.301
6/20/08	6:00	1.691	0.231	0.016	6.998	1.519	0.173	0.052728	0.033095	1.168919	524.611
6/20/08	7:00	1.682	0.222	0.014	6.358	1.511	0.165	0.050290	0.030868	1.090247	489.303
6/20/08	8:00	1.679	0.219	0.014	6.152	1.507	0.161	0.049070	0.029774	1.051601	471.959
6/20/08	9:00	1.672	0.212	0.013	5.689	1.503	0.157	0.047851	0.028693	1.013424	454.824
6/20/08	10:00	1.671	0.211	0.013	5.624	1.496	0.15	0.045718	0.026834	0.947757	425.353
6/20/08	11:00	1.669	0.209	0.012	5.497	1.494	0.148	0.045108	0.026310	0.929266	417.054
6/20/08	12:00	1.665	0.205	0.012	5.247	1.489	0.143	0.043584	0.025016	0.883573	396.548
6/20/08	13:00	1.66	0.200	0.011	4.944	1.486	0.14	0.042670	0.024251	0.856529	384.410
6/20/08	14:00	1.654	0.194	0.010	4.595	1.481	0.135	0.041146	0.022992	0.812083	364.463
6/20/08	15:00	1.653	0.193	0.010	4.538	1.478	0.132	0.040232	0.022248	0.785797	352.665
6/20/08	16:00	1.649	0.189	0.010	4.316	1.475	0.129	0.039317	0.021512	0.759800	340.998
6/20/08	17:00	1.649	0.189	0.010	4.316	1.474	0.128	0.039012	0.021269	0.751200	337.139
6/20/08	18:00	2.359	0.899	0.438	196.494	1.434	0.088	0.026821	0.012331	0.435514	195.459
6/20/08	19:00	2.326	0.866	0.399	179.104	1.43	0.084	0.025602	0.011529	0.407202	182.752
6/20/08	20:00	2.313	0.853	0.384	172.517	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/20/08	21:00	2.308	0.848	0.379	170.023	1.424	0.078	0.023773	0.010361	0.365940	164.234

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/20/08	22:00	2.309	0.849	0.380	170.520	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/20/08	23:00	2.308	0.848	0.379	170.023	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/21/08	0:00	2.312	0.852	0.383	172.017	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/21/08	1:00	2.314	0.854	0.386	173.019	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/21/08	2:00	2.31	0.850	0.381	171.018	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/21/08	3:00	2.309	0.849	0.380	170.520	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/21/08	4:00	2.309	0.849	0.380	170.520	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/21/08	5:00	2.307	0.847	0.378	169.527	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/21/08	6:00	2.302	0.842	0.372	167.059	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/21/08	7:00	2.302	0.842	0.372	167.059	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/21/08	8:00	2.304	0.844	0.374	168.044	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/21/08	9:00	2.305	0.845	0.376	168.537	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/21/08	10:00	2.298	0.838	0.368	165.100	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/21/08	11:00	2.282	0.822	0.351	157.404	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/21/08	12:00	2.271	0.811	0.339	152.239	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/21/08	13:00	2.251	0.791	0.319	143.114	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/21/08	14:00	2.238	0.778	0.306	137.362	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/21/08	15:00	2.218	0.758	0.287	128.789	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/21/08	16:00	2.205	0.745	0.275	123.394	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/21/08	17:00	2.195	0.735	0.266	119.337	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/21/08	18:00	2.202	0.742	0.272	122.168	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/21/08	19:00	2.206	0.746	0.276	123.804	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/21/08	20:00	2.209	0.749	0.279	125.039	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/21/08	21:00	2.223	0.763	0.292	130.902	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/21/08	22:00	2.238	0.778	0.306	137.362	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/21/08	23:00	2.247	0.787	0.315	141.329	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/22/08	0:00	2.261	0.801	0.329	147.634	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/22/08	1:00	2.265	0.805	0.333	149.466	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/22/08	2:00	2.272	0.812	0.340	152.705	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/22/08	3:00	2.267	0.807	0.335	150.387	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/22/08	4:00	2.276	0.816	0.344	154.574	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/22/08	5:00	2.272	0.812	0.340	152.705	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/22/08	6:00	2.272	0.812	0.340	152.705	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/22/08	7:00	2.267	0.807	0.335	150.387	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/22/08	8:00	2.272	0.812	0.340	152.705	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/22/08	9:00	2.272	0.812	0.340	152.705	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/22/08	10:00	2.274	0.814	0.342	153.638	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/22/08	11:00	2.258	0.798	0.326	146.269	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/22/08	12:00	2.247	0.787	0.315	141.329	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/22/08	13:00	2.232	0.772	0.300	134.756	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/22/08	14:00	2.214	0.754	0.283	127.114	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/22/08	15:00	2.199	0.739	0.269	120.950	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/22/08	16:00	2.188	0.728	0.260	116.546	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/22/08	17:00	2.177	0.717	0.250	112.239	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/22/08	18:00	2.172	0.712	0.246	110.314	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/22/08	19:00	2.169	0.709	0.243	109.168	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/22/08	20:00	2.171	0.711	0.245	109.931	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/22/08	21:00	2.179	0.719	0.252	113.015	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/22/08	22:00	2.195	0.735	0.266	119.337	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/22/08	23:00	2.201	0.741	0.271	121.761	1.409	0.063	0.019201	0.007629	0.269465	120.936

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/23/08	0:00	2.21	0.750	0.280	125.453	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/23/08	1:00	2.218	0.758	0.287	128.789	1.408	0.062	0.018897	0.007457	0.263390	118.209
6/23/08	2:00	2.225	0.765	0.294	131.752	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/23/08	3:00	2.229	0.769	0.297	133.464	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/23/08	4:00	2.236	0.776	0.304	136.490	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/23/08	5:00	2.241	0.781	0.309	138.677	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/23/08	6:00	2.241	0.781	0.309	138.677	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/23/08	7:00	2.243	0.783	0.311	139.558	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/23/08	8:00	2.248	0.788	0.316	141.774	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/23/08	9:00	2.253	0.793	0.321	144.011	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/23/08	10:00	2.239	0.779	0.307	137.800	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/23/08	11:00	2.23	0.770	0.298	133.893	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/23/08	12:00	2.214	0.754	0.283	127.114	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/23/08	13:00	2.196	0.736	0.267	119.739	1.405	0.059	0.017982	0.006949	0.245443	110.155
6/23/08	14:00	2.18	0.720	0.253	113.404	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/23/08	15:00	2.167	0.707	0.242	108.408	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/23/08	16:00	2.153	0.693	0.230	103.179	1.402	0.056	0.017068	0.006453	0.227923	102.292
6/23/08	17:00	2.149	0.689	0.227	101.713	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/23/08	18:00	2.146	0.686	0.224	100.622	1.401	0.055	0.016763	0.006291	0.222180	99.714
6/23/08	19:00	2.151	0.691	0.228	102.444	1.403	0.057	0.017373	0.006617	0.233715	104.891
6/23/08	20:00	2.153	0.693	0.230	103.179	1.4	0.054	0.016458	0.006129	0.216486	97.159
6/23/08	21:00	2.164	0.704	0.239	107.275	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/23/08	22:00	2.175	0.715	0.248	111.467	1.406	0.06	0.018287	0.007117	0.251378	112.818
6/23/08	23:00	2.186	0.726	0.258	115.756	1.404	0.058	0.017678	0.006782	0.239555	107.512
6/24/08	0:00	2.195	0.735	0.266	119.337	1.406	0.06	0.018287	0.007117	0.251378	112.818

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/24/08	1:00	2.202	0.742	0.272	122.168	1.407	0.061	0.018592	0.007287	0.257360	115.503
6/24/08	2:00	2.211	0.751	0.280	125.867	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/24/08	3:00	2.215	0.755	0.284	127.532	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/24/08	4:00	2.225	0.765	0.294	131.752	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/24/08	5:00	2.22	0.760	0.289	129.632	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/24/08	6:00	2.229	0.769	0.297	133.464	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/24/08	7:00	2.283	0.823	0.352	157.878	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/24/08	8:00	2.351	0.891	0.428	192.189	1.432	0.086	0.026212	0.011928	0.421279	189.070
6/24/08	9:00	2.363	0.903	0.443	198.668	1.435	0.089	0.027126	0.012534	0.442691	198.680
6/24/08	10:00	2.34	0.880	0.415	186.363	1.433	0.087	0.026516	0.012129	0.428377	192.256
6/24/08	11:00	2.312	0.852	0.383	172.017	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/24/08	12:00	2.298	0.838	0.368	165.100	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/24/08	13:00	2.288	0.828	0.357	160.264	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/24/08	14:00	2.284	0.824	0.353	158.354	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/24/08	15:00	2.286	0.826	0.355	159.307	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/24/08	16:00	2.601	1.141	0.791	354.942	1.493	0.147	0.044803	0.026050	0.920066	412.925
6/24/08	17:00	2.625	1.165	0.833	373.770	1.501	0.155	0.047242	0.028157	0.994512	446.337
6/24/08	18:00	2.556	1.096	0.716	321.200	1.475	0.129	0.039317	0.021512	0.759800	340.998
6/24/08	19:00	2.502	1.042	0.631	283.348	1.457	0.111	0.033831	0.017274	0.610106	273.815
6/24/08	20:00	2.463	1.003	0.574	257.764	1.45	0.104	0.031698	0.015711	0.554913	249.045
6/24/08	21:00	2.42	0.960	0.515	231.221	1.445	0.099	0.030174	0.014626	0.516571	231.837
6/24/08	22:00	2.397	0.937	0.485	217.729	1.44	0.094	0.028650	0.013566	0.479156	215.045
6/24/08	23:00	2.378	0.918	0.461	206.948	1.437	0.091	0.027735	0.012943	0.457162	205.174
6/25/08	0:00	2.366	0.906	0.446	200.308	1.434	0.088	0.026821	0.012331	0.435514	195.459
6/25/08	1:00	2.359	0.899	0.438	196.494	1.433	0.087	0.026516	0.012129	0.428377	192.256

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/25/08	2:00	2.356	0.896	0.434	194.873	1.433	0.087	0.026516	0.012129	0.428377	192.256
6/25/08	3:00	2.347	0.887	0.423	190.058	1.43	0.084	0.025602	0.011529	0.407202	182.752
6/25/08	4:00	2.349	0.889	0.426	191.122	1.433	0.087	0.026516	0.012129	0.428377	192.256
6/25/08	5:00	2.34	0.880	0.415	186.363	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/25/08	6:00	2.347	0.887	0.423	190.058	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/25/08	7:00	2.333	0.873	0.407	182.712	1.431	0.085	0.025907	0.011728	0.414220	185.902
6/25/08	8:00	2.328	0.868	0.401	180.130	1.428	0.082	0.024992	0.011135	0.393285	176.506
6/25/08	9:00	2.326	0.866	0.399	179.104	1.428	0.082	0.024992	0.011135	0.393285	176.506
6/25/08	10:00	2.329	0.869	0.403	180.645	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/25/08	11:00	2.32	0.860	0.392	176.045	1.43	0.084	0.025602	0.011529	0.407202	182.752
6/25/08	12:00	2.316	0.856	0.388	174.024	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/25/08	13:00	2.301	0.841	0.371	166.568	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/25/08	14:00	2.286	0.826	0.355	159.307	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/25/08	15:00	2.265	0.805	0.333	149.466	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/25/08	16:00	2.252	0.792	0.320	143.562	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/25/08	17:00	2.239	0.779	0.307	137.800	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/25/08	18:00	2.222	0.762	0.291	130.478	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/25/08	19:00	2.213	0.753	0.282	126.698	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/25/08	20:00	2.208	0.748	0.278	124.627	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/25/08	21:00	2.216	0.756	0.285	127.950	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/25/08	22:00	2.22	0.760	0.289	129.632	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/25/08	23:00	2.228	0.768	0.296	133.034	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/26/08	0:00	2.237	0.777	0.305	136.926	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/26/08	1:00	2.243	0.783	0.311	139.558	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/26/08	2:00	2.254	0.794	0.322	144.461	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/26/08	3:00	2.254	0.794	0.322	144.461	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/26/08	4:00	2.256	0.796	0.324	145.363	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/26/08	5:00	2.258	0.798	0.326	146.269	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/26/08	6:00	2.263	0.803	0.331	148.549	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/26/08	7:00	2.26	0.800	0.328	147.178	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/26/08	8:00	2.26	0.800	0.328	147.178	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/26/08	9:00	2.265	0.805	0.333	149.466	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/26/08	10:00	2.254	0.794	0.322	144.461	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/26/08	11:00	3.37	1.910	2.848	1277.961	2.385	1.039	0.316672	0.476306	16.823041	7550.181
6/26/08	12:00	3.288	1.828	2.553	1145.711	2.224	0.878	0.267601	0.370251	13.077209	5869.051
6/26/08	13:00	3.069	1.609	1.858	833.989	1.879	0.533	0.162450	0.175685	6.205152	2784.872
6/26/08	14:00	2.898	1.438	1.405	630.663	1.71	0.364	0.110942	0.099553	3.516199	1578.070
6/26/08	15:00	2.775	1.315	1.125	504.974	1.633	0.287	0.087473	0.069943	2.470379	1108.706
6/26/08	16:00	2.705	1.245	0.982	440.801	1.587	0.241	0.073453	0.053992	1.906980	855.853
6/26/08	17:00	2.687	1.227	0.947	425.139	1.553	0.207	0.063091	0.043120	1.522979	683.513
6/26/08	18:00	2.626	1.166	0.835	374.567	1.524	0.178	0.054252	0.034513	1.219010	547.092
6/26/08	19:00	2.588	1.128	0.769	344.986	1.508	0.162	0.049375	0.030046	1.061219	476.275
6/26/08	20:00	2.554	1.094	0.712	319.747	1.493	0.147	0.044803	0.026050	0.920066	412.925
6/26/08	21:00	2.537	1.077	0.685	307.557	1.464	0.118	0.035965	0.018885	0.667017	299.357
6/26/08	22:00	2.508	1.048	0.640	287.414	1.456	0.11	0.033526	0.017047	0.602114	270.229
6/26/08	23:00	2.496	1.036	0.622	279.318	1.454	0.108	0.032917	0.016598	0.586238	263.104
6/27/08	0:00	2.482	1.022	0.602	270.047	1.45	0.104	0.031698	0.015711	0.554913	249.045
6/27/08	1:00	2.442	0.982	0.545	244.585	1.445	0.099	0.030174	0.014626	0.516571	231.837
6/27/08	2:00	2.43	0.970	0.529	237.239	1.44	0.094	0.028650	0.013566	0.479156	215.045
6/27/08	3:00	2.408	0.948	0.499	224.121	1.439	0.093	0.028345	0.013358	0.471786	211.738

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/27/08	4:00	2.401	0.941	0.490	220.040	1.436	0.09	0.027431	0.012738	0.449907	201.918
6/27/08	5:00	2.389	0.929	0.475	213.149	1.436	0.09	0.027431	0.012738	0.449907	201.918
6/27/08	6:00	2.382	0.922	0.466	209.190	1.433	0.087	0.026516	0.012129	0.428377	192.256
6/27/08	7:00	2.377	0.917	0.460	206.389	1.433	0.087	0.026516	0.012129	0.428377	192.256
6/27/08	8:00	2.38	0.920	0.464	208.067	1.433	0.087	0.026516	0.012129	0.428377	192.256
6/27/08	9:00	2.366	0.906	0.446	200.308	1.431	0.085	0.025907	0.011728	0.414220	185.902
6/27/08	10:00	2.366	0.906	0.446	200.308	1.431	0.085	0.025907	0.011728	0.414220	185.902
6/27/08	11:00	2.351	0.891	0.428	192.189	1.429	0.083	0.025297	0.011331	0.400223	179.620
6/27/08	12:00	2.328	0.868	0.401	180.130	1.428	0.082	0.024992	0.011135	0.393285	176.506
6/27/08	13:00	2.315	0.855	0.387	173.521	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/27/08	14:00	2.295	0.835	0.365	163.640	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/27/08	15:00	2.284	0.824	0.353	158.354	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/27/08	16:00	2.271	0.811	0.339	152.239	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/27/08	17:00	2.266	0.806	0.334	149.926	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/27/08	18:00	2.279	0.819	0.348	155.985	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/27/08	19:00	2.304	0.844	0.374	168.044	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/27/08	20:00	2.315	0.855	0.387	173.521	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/27/08	21:00	2.312	0.852	0.383	172.017	1.427	0.081	0.024688	0.010940	0.386387	173.411
6/27/08	22:00	2.306	0.846	0.377	169.032	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/27/08	23:00	2.306	0.846	0.377	169.032	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/28/08	0:00	2.303	0.843	0.373	167.551	1.426	0.08	0.024383	0.010746	0.379531	170.333
6/28/08	1:00	2.31	0.850	0.381	171.018	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/28/08	2:00	2.307	0.847	0.378	169.527	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/28/08	3:00	2.314	0.854	0.386	173.019	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/28/08	4:00	2.312	0.852	0.383	172.017	1.424	0.078	0.023773	0.010361	0.365940	164.234

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/28/08	5:00	2.316	0.856	0.388	174.024	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/28/08	6:00	2.314	0.854	0.386	173.019	1.425	0.079	0.024078	0.010553	0.372715	167.274
6/28/08	7:00	2.309	0.849	0.380	170.520	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/28/08	8:00	2.309	0.849	0.380	170.520	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/28/08	9:00	2.314	0.854	0.386	173.019	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/28/08	10:00	2.307	0.847	0.378	169.527	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/28/08	11:00	2.3	0.840	0.370	166.078	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/28/08	12:00	2.273	0.813	0.341	153.171	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/28/08	13:00	2.252	0.792	0.320	143.562	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/28/08	14:00	2.236	0.776	0.304	136.490	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/28/08	15:00	2.218	0.758	0.287	128.789	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/28/08	16:00	2.213	0.753	0.282	126.698	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/28/08	17:00	2.201	0.741	0.271	121.761	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/28/08	18:00	2.203	0.743	0.273	122.576	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/28/08	19:00	2.217	0.757	0.286	128.369	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/28/08	20:00	2.212	0.752	0.281	126.282	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/28/08	21:00	2.226	0.766	0.295	132.179	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/28/08	22:00	2.228	0.768	0.296	133.034	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/28/08	23:00	2.23	0.770	0.298	133.893	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/29/08	0:00	2.244	0.784	0.312	139.999	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/29/08	1:00	2.246	0.786	0.314	140.885	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/29/08	2:00	2.253	0.793	0.321	144.011	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/29/08	3:00	2.26	0.800	0.328	147.178	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/29/08	4:00	2.257	0.797	0.325	145.816	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/29/08	5:00	2.262	0.802	0.330	148.091	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/29/08	6:00	2.267	0.807	0.335	150.387	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/29/08	7:00	2.267	0.807	0.335	150.387	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/29/08	8:00	2.269	0.809	0.337	151.312	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/29/08	9:00	2.267	0.807	0.335	150.387	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/29/08	10:00	2.265	0.805	0.333	149.466	1.419	0.073	0.022249	0.009420	0.332697	149.314
6/29/08	11:00	2.255	0.795	0.323	144.912	1.417	0.071	0.021640	0.009052	0.319698	143.480
6/29/08	12:00	2.239	0.779	0.307	137.800	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/29/08	13:00	2.231	0.771	0.299	134.324	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/29/08	14:00	2.22	0.760	0.289	129.632	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/29/08	15:00	2.206	0.746	0.276	123.804	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/29/08	16:00	2.204	0.744	0.274	122.984	1.411	0.065	0.019811	0.007977	0.281754	126.451
6/29/08	17:00	2.195	0.735	0.266	119.337	1.409	0.063	0.019201	0.007629	0.269465	120.936
6/29/08	18:00	2.192	0.732	0.263	118.136	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/29/08	19:00	2.195	0.735	0.266	119.337	1.41	0.064	0.019506	0.007803	0.275587	123.683
6/29/08	20:00	2.192	0.732	0.263	118.136	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/29/08	21:00	2.201	0.741	0.271	121.761	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/29/08	22:00	2.21	0.750	0.280	125.453	1.412	0.066	0.020116	0.008153	0.287966	129.239
6/29/08	23:00	2.221	0.761	0.290	130.054	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/30/08	0:00	2.232	0.772	0.300	134.756	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/30/08	1:00	2.234	0.774	0.302	135.621	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/30/08	2:00	2.241	0.781	0.309	138.677	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/30/08	3:00	2.246	0.786	0.314	140.885	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/30/08	4:00	2.248	0.788	0.316	141.774	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/30/08	5:00	2.243	0.783	0.311	139.558	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/30/08	6:00	2.248	0.788	0.316	141.774	1.421	0.075	0.022859	0.009792	0.345867	155.225

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
6/30/08	7:00	2.246	0.786	0.314	140.885	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/30/08	8:00	2.25	0.790	0.318	142.666	1.421	0.075	0.022859	0.009792	0.345867	155.225
6/30/08	9:00	2.25	0.790	0.318	142.666	1.423	0.077	0.023468	0.010170	0.359208	161.212
6/30/08	10:00	2.253	0.793	0.321	144.011	1.424	0.078	0.023773	0.010361	0.365940	164.234
6/30/08	11:00	2.248	0.788	0.316	141.774	1.422	0.076	0.023164	0.009981	0.352516	158.209
6/30/08	12:00	2.235	0.775	0.303	136.055	1.42	0.074	0.022554	0.009605	0.339261	152.260
6/30/08	13:00	2.219	0.759	0.288	129.210	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/30/08	14:00	2.206	0.746	0.276	123.804	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/30/08	15:00	2.197	0.737	0.268	120.142	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/30/08	16:00	2.188	0.728	0.260	116.546	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/30/08	17:00	2.18	0.720	0.253	113.404	1.414	0.068	0.020725	0.008509	0.300526	134.876
6/30/08	18:00	2.175	0.715	0.248	111.467	1.413	0.067	0.020421	0.008330	0.294224	132.048
6/30/08	19:00	2.177	0.717	0.250	112.239	1.415	0.069	0.021030	0.008688	0.306873	137.724
6/30/08	20:00	2.184	0.724	0.256	114.969	1.416	0.07	0.021335	0.008869	0.313263	140.593
6/30/08	21:00	2.188	0.728	0.260	116.546	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/30/08	22:00	2.194	0.734	0.265	118.936	1.418	0.072	0.021945	0.009235	0.326176	146.388
6/30/08	23:00	2.208	0.748	0.278	124.627	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/1/08	0:00	2.219	0.759	0.288	129.210	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/1/08	1:00	2.23	0.770	0.298	133.893	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/1/08	2:00	2.232	0.772	0.300	134.756	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/1/08	3:00	2.237	0.777	0.305	136.926	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/1/08	4:00	2.26	0.800	0.328	147.178	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/1/08	5:00	2.246	0.786	0.314	140.885	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/1/08	6:00	2.246	0.786	0.314	140.885	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/1/08	7:00	2.246	0.786	0.314	140.885	1.415	0.069	0.021030	0.008688	0.306873	137.724

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/1/08 8:00	2.248	0.788	0.316	141.774	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/1/08 9:00	2.255	0.795	0.323	144.912	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/1/08 10:00	2.246	0.786	0.314	140.885	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/1/08 11:00	2.232	0.772	0.300	134.756	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/1/08 12:00	2.219	0.759	0.288	129.210	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/1/08 13:00	2.205	0.745	0.275	123.394	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/1/08 14:00	2.197	0.737	0.268	120.142	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/1/08 15:00	2.182	0.722	0.254	114.185	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/1/08 16:00	2.173	0.713	0.247	110.697	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/1/08 17:00	2.164	0.704	0.239	107.275	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/1/08 18:00	2.157	0.697	0.233	104.657	1.404	0.058	0.017678	0.006782	0.239555	107.512
7/1/08 19:00	2.159	0.699	0.235	105.401	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/1/08 20:00	2.159	0.699	0.235	105.401	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/1/08 21:00	2.158	0.698	0.234	105.029	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/1/08 22:00	2.165	0.705	0.240	107.652	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/1/08 23:00	2.181	0.721	0.254	113.794	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/2/08 0:00	2.201	0.741	0.271	121.761	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/2/08 1:00	2.205	0.745	0.275	123.394	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/2/08 2:00	2.219	0.759	0.288	129.210	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/2/08 3:00	2.228	0.768	0.296	133.034	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/2/08 4:00	2.228	0.768	0.296	133.034	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/2/08 5:00	2.237	0.777	0.305	136.926	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/2/08 6:00	2.242	0.782	0.310	139.117	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/2/08 7:00	2.239	0.779	0.307	137.800	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/2/08 8:00	2.246	0.786	0.314	140.885	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/2/08 9:00	2.249	0.789	0.317	142.220	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/2/08 10:00	2.249	0.789	0.317	142.220	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/2/08 11:00	2.238	0.778	0.306	137.362	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/2/08 12:00	2.227	0.767	0.295	132.606	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/2/08 13:00	2.204	0.744	0.274	122.984	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/2/08 14:00	2.192	0.732	0.263	118.136	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/2/08 15:00	2.176	0.716	0.249	111.853	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/2/08 16:00	2.163	0.703	0.238	106.898	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/2/08 17:00	2.156	0.696	0.232	104.286	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/2/08 18:00	2.139	0.679	0.219	98.103	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/2/08 19:00	2.141	0.681	0.220	98.819	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/2/08 20:00	2.158	0.698	0.234	105.029	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/2/08 21:00	2.148	0.688	0.226	101.348	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/2/08 22:00	2.162	0.702	0.237	106.523	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/2/08 23:00	2.177	0.717	0.250	112.239	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/3/08 0:00	2.189	0.729	0.261	116.942	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/3/08 1:00	2.212	0.752	0.281	126.282	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/3/08 2:00	2.209	0.749	0.279	125.039	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/3/08 3:00	2.211	0.751	0.280	125.867	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/3/08 4:00	2.215	0.755	0.284	127.532	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/3/08 5:00	2.215	0.755	0.284	127.532	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/3/08 6:00	2.218	0.758	0.287	128.789	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/3/08 7:00	2.218	0.758	0.287	128.789	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/3/08 8:00	2.222	0.762	0.291	130.478	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/3/08 9:00	2.222	0.762	0.291	130.478	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/3/08 10:00	2.225	0.765	0.294	131.752	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/3/08 11:00	2.22	0.760	0.289	129.632	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/3/08 12:00	2.214	0.754	0.283	127.114	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/3/08 13:00	2.2	0.740	0.270	121.355	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/3/08 14:00	2.194	0.734	0.265	118.936	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/3/08 15:00	2.18	0.720	0.253	113.404	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/3/08 16:00	2.169	0.709	0.243	109.168	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/3/08 17:00	2.162	0.702	0.237	106.523	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/3/08 18:00	2.159	0.699	0.235	105.401	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/3/08 19:00	2.162	0.702	0.237	106.523	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/3/08 20:00	2.164	0.704	0.239	107.275	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/3/08 21:00	2.168	0.708	0.242	108.788	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/3/08 22:00	2.177	0.717	0.250	112.239	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/3/08 23:00	2.186	0.726	0.258	115.756	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/4/08 0:00	2.204	0.744	0.274	122.984	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/4/08 1:00	2.26	0.800	0.328	147.178	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/4/08 2:00	2.258	0.798	0.326	146.269	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/4/08 3:00	2.26	0.800	0.328	147.178	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/4/08 4:00	2.269	0.809	0.337	151.312	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/4/08 5:00	2.267	0.807	0.335	150.387	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/4/08 6:00	2.269	0.809	0.337	151.312	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/4/08 7:00	2.267	0.807	0.335	150.387	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/4/08 8:00	2.274	0.814	0.342	153.638	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/4/08 9:00	2.279	0.819	0.348	155.985	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/4/08 10:00	2.279	0.819	0.348	155.985	1.418	0.072	0.021945	0.009235	0.326176	146.388

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/4/08 11:00	2.272	0.812	0.340	152.705	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/4/08 12:00	2.256	0.796	0.324	145.363	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/4/08 13:00	2.247	0.787	0.315	141.329	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/4/08 14:00	2.237	0.777	0.305	136.926	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/4/08 15:00	2.219	0.759	0.288	129.210	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/4/08 16:00	2.21	0.750	0.280	125.453	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/4/08 17:00	2.205	0.745	0.275	123.394	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/4/08 18:00	2.201	0.741	0.271	121.761	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/4/08 19:00	2.198	0.738	0.269	120.546	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/4/08 20:00	2.198	0.738	0.269	120.546	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/4/08 21:00	2.209	0.749	0.279	125.039	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/4/08 22:00	2.215	0.755	0.284	127.532	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/4/08 23:00	2.224	0.764	0.293	131.327	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/5/08 0:00	2.231	0.771	0.299	134.324	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/5/08 1:00	2.247	0.787	0.315	141.329	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/5/08 2:00	2.251	0.791	0.319	143.114	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 3:00	2.265	0.805	0.333	149.466	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 4:00	2.265	0.805	0.333	149.466	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/5/08 5:00	2.269	0.809	0.337	151.312	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/5/08 6:00	2.274	0.814	0.342	153.638	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 7:00	2.272	0.812	0.340	152.705	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 8:00	2.272	0.812	0.340	152.705	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 9:00	2.276	0.816	0.344	154.574	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 10:00	2.283	0.823	0.352	157.878	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/5/08 11:00	2.307	0.847	0.378	169.527	1.425	0.079	0.024078	0.010553	0.372715	167.274

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/5/08 12:00	2.326	0.866	0.399	179.104	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/5/08 13:00	2.336	0.876	0.411	184.272	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/5/08 14:00	2.308	0.848	0.379	170.023	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/5/08 15:00	2.22	0.760	0.289	129.632	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/5/08 16:00	2.197	0.737	0.268	120.142	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 17:00	2.188	0.728	0.260	116.546	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/5/08 18:00	2.174	0.714	0.248	111.082	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/5/08 19:00	2.169	0.709	0.243	109.168	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/5/08 20:00	2.167	0.707	0.242	108.408	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/5/08 21:00	2.171	0.711	0.245	109.931	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/5/08 22:00	2.183	0.723	0.255	114.576	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/5/08 23:00	2.194	0.734	0.265	118.936	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/6/08 0:00	2.203	0.743	0.273	122.576	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/6/08 1:00	2.212	0.752	0.281	126.282	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/6/08 2:00	2.214	0.754	0.283	127.114	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/6/08 3:00	2.223	0.763	0.292	130.902	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/6/08 4:00	2.235	0.775	0.303	136.055	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/6/08 5:00	2.237	0.777	0.305	136.926	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/6/08 6:00	2.242	0.782	0.310	139.117	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/6/08 7:00	2.239	0.779	0.307	137.800	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/6/08 8:00	2.244	0.784	0.312	139.999	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/6/08 9:00	2.244	0.784	0.312	139.999	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/6/08 10:00	2.237	0.777	0.305	136.926	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/6/08 11:00	2.229	0.769	0.297	133.464	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/6/08 12:00	2.213	0.753	0.282	126.698	1.418	0.072	0.021945	0.009235	0.326176	146.388

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/6/08 13:00	2.199	0.739	0.269	120.950	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/6/08 14:00	2.193	0.733	0.264	118.536	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/6/08 15:00	2.179	0.719	0.252	113.015	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/6/08 16:00	2.179	0.719	0.252	113.015	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/6/08 17:00	2.17	0.710	0.244	109.549	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/6/08 18:00	2.167	0.707	0.242	108.408	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/6/08 19:00	2.172	0.712	0.246	110.314	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/6/08 20:00	2.177	0.717	0.250	112.239	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/6/08 21:00	2.19	0.730	0.261	117.339	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/6/08 22:00	2.195	0.735	0.266	119.337	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/6/08 23:00	2.203	0.743	0.273	122.576	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/7/08 0:00	2.215	0.755	0.284	127.532	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/7/08 1:00	2.217	0.757	0.286	128.369	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/7/08 2:00	2.238	0.778	0.306	137.362	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/7/08 3:00	2.23	0.770	0.298	133.893	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/7/08 4:00	2.228	0.768	0.296	133.034	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/7/08 5:00	2.228	0.768	0.296	133.034	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/7/08 6:00	2.235	0.775	0.303	136.055	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/7/08 7:00	2.23	0.770	0.298	133.893	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/7/08 8:00	2.235	0.775	0.303	136.055	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/7/08 9:00	2.235	0.775	0.303	136.055	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/7/08 10:00	2.226	0.766	0.295	132.179	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/7/08 11:00	2.21	0.750	0.280	125.453	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/7/08 12:00	2.202	0.742	0.272	122.168	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/7/08 13:00	2.187	0.727	0.259	116.150	1.42	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/7/08 14:00	2.171	0.711	0.245	109.931	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/7/08 15:00	2.157	0.697	0.233	104.657	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/7/08 16:00	2.152	0.692	0.229	102.811	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/7/08 17:00	2.152	0.692	0.229	102.811	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/7/08 18:00	2.166	0.706	0.241	108.030	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/7/08 19:00	2.17	0.710	0.244	109.549	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/7/08 20:00	2.184	0.724	0.256	114.969	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/7/08 21:00	2.195	0.735	0.266	119.337	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/7/08 22:00	2.201	0.741	0.271	121.761	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/7/08 23:00	2.21	0.750	0.280	125.453	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/8/08 0:00	2.219	0.759	0.288	129.210	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/8/08 1:00	2.221	0.761	0.290	130.054	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/8/08 2:00	2.226	0.766	0.295	132.179	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/8/08 3:00	2.228	0.768	0.296	133.034	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/8/08 4:00	2.24	0.780	0.308	138.238	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/8/08 5:00	2.249	0.789	0.317	142.220	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/8/08 6:00	2.253	0.793	0.321	144.011	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/8/08 7:00	2.244	0.784	0.312	139.999	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/8/08 8:00	2.246	0.786	0.314	140.885	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/8/08 9:00	2.244	0.784	0.312	139.999	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/8/08 10:00	2.24	0.780	0.308	138.238	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/8/08 11:00	2.233	0.773	0.301	135.188	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/8/08 12:00	2.235	0.775	0.303	136.055	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/8/08 13:00	2.224	0.764	0.293	131.327	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/8/08 14:00	2.222	0.762	0.291	130.478	1.431	0.085	0.025907	0.011728	0.414220	185.902

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/8/08 15:00	2.212	0.752	0.281	126.282	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/8/08 16:00	2.203	0.743	0.273	122.576	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/8/08 17:00	2.195	0.735	0.266	119.337	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/8/08 18:00	2.186	0.726	0.258	115.756	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/8/08 19:00	2.191	0.731	0.262	117.737	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/8/08 20:00	2.188	0.728	0.260	116.546	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/8/08 21:00	2.19	0.730	0.261	117.339	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/8/08 22:00	2.194	0.734	0.265	118.936	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/8/08 23:00	2.203	0.743	0.273	122.576	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/9/08 0:00	2.207	0.747	0.277	124.215	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/9/08 1:00	2.216	0.756	0.285	127.950	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/9/08 2:00	2.214	0.754	0.283	127.114	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/9/08 3:00	2.223	0.763	0.292	130.902	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/9/08 4:00	2.23	0.770	0.298	133.893	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/9/08 5:00	2.23	0.770	0.298	133.893	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/9/08 6:00	2.229	0.769	0.297	133.464	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/9/08 7:00	2.227	0.767	0.295	132.606	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/9/08 8:00	2.234	0.774	0.302	135.621	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/9/08 9:00	2.236	0.776	0.304	136.490	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/9/08 10:00	2.237	0.777	0.305	136.926	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/9/08 11:00	2.228	0.768	0.296	133.034	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/9/08 12:00	2.217	0.757	0.286	128.369	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/9/08 13:00	2.208	0.748	0.278	124.627	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/9/08 14:00	2.197	0.737	0.268	120.142	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/9/08 15:00	2.186	0.726	0.258	115.756	1.426	0.08	0.024383	0.010746	0.379531	170.333

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/9/08 16:00	2.177	0.717	0.250	112.239	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/9/08 17:00	2.172	0.712	0.246	110.314	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/9/08 18:00	2.176	0.716	0.249	111.853	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/9/08 19:00	2.183	0.723	0.255	114.576	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/9/08 20:00	2.185	0.725	0.257	115.362	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/9/08 21:00	2.197	0.737	0.268	120.142	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/9/08 22:00	2.205	0.745	0.275	123.394	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/9/08 23:00	2.214	0.754	0.283	127.114	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/10/08 0:00	2.219	0.759	0.288	129.210	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/10/08 1:00	2.223	0.763	0.292	130.902	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/10/08 2:00	2.237	0.777	0.305	136.926	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/10/08 3:00	2.232	0.772	0.300	134.756	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/10/08 4:00	2.234	0.774	0.302	135.621	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/10/08 5:00	2.234	0.774	0.302	135.621	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/10/08 6:00	2.232	0.772	0.300	134.756	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/10/08 7:00	2.229	0.769	0.297	133.464	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/10/08 8:00	2.237	0.777	0.305	136.926	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/10/08 9:00	2.244	0.784	0.312	139.999	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/10/08 10:00	2.237	0.777	0.305	136.926	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/10/08 11:00	2.219	0.759	0.288	129.210	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/10/08 12:00	2.203	0.743	0.273	122.576	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/10/08 13:00	2.19	0.730	0.261	117.339	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/10/08 14:00	2.184	0.724	0.256	114.969	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/10/08 15:00	2.166	0.706	0.241	108.030	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/10/08 16:00	2.146	0.686	0.224	100.622	1.425	0.079	0.024078	0.010553	0.372715	167.274

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/10/08	17:00	2.137	0.677	0.217	97.391	1.403	0.057	0.017373	0.006617	0.233715	104.891
7/10/08	18:00	2.118	0.658	0.202	90.776	1.403	0.057	0.017373	0.006617	0.233715	104.891
7/10/08	19:00	2.109	0.649	0.195	87.740	1.404	0.058	0.017678	0.006782	0.239555	107.512
7/10/08	20:00	2.103	0.643	0.191	85.750	1.402	0.056	0.017068	0.006453	0.227923	102.292
7/10/08	21:00	2.112	0.652	0.198	88.745	1.402	0.056	0.017068	0.006453	0.227923	102.292
7/10/08	22:00	2.119	0.659	0.203	91.117	1.402	0.056	0.017068	0.006453	0.227923	102.292
7/10/08	23:00	2.134	0.674	0.215	96.328	1.404	0.058	0.017678	0.006782	0.239555	107.512
7/11/08	0:00	2.143	0.683	0.222	99.538	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/11/08	1:00	2.157	0.697	0.233	104.657	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/11/08	2:00	2.173	0.713	0.247	110.697	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/11/08	3:00	2.177	0.717	0.250	112.239	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/11/08	4:00	2.181	0.721	0.254	113.794	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/11/08	5:00	2.181	0.721	0.254	113.794	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/11/08	6:00	2.19	0.730	0.261	117.339	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/11/08	7:00	2.188	0.728	0.260	116.546	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/11/08	8:00	2.2	0.740	0.270	121.355	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/11/08	9:00	2.2	0.740	0.270	121.355	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/11/08	10:00	2.187	0.727	0.259	116.150	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/11/08	11:00	2.174	0.714	0.248	111.082	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/11/08	12:00	2.16	0.700	0.236	105.774	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/11/08	13:00	2.155	0.695	0.232	103.916	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/11/08	14:00	2.139	0.679	0.219	98.103	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/11/08	15:00	2.131	0.671	0.212	95.272	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/11/08	16:00	2.115	0.655	0.200	89.757	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/11/08	17:00	2.104	0.644	0.192	86.080	1.401	0.055	0.016763	0.006291	0.222180	99.714

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/11/08	18:00	2.092	0.632	0.183	82.173	1.404	0.058	0.017678	0.006782	0.239555	107.512
7/11/08	19:00	2.092	0.632	0.183	82.173	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/11/08	20:00	2.091	0.631	0.182	81.852	1.402	0.056	0.017068	0.006453	0.227923	102.292
7/11/08	21:00	2.1	0.640	0.189	84.765	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/11/08	22:00	2.111	0.651	0.197	88.409	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/11/08	23:00	2.133	0.673	0.214	95.975	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/12/08	0:00	2.16	0.700	0.236	105.774	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/12/08	1:00	2.169	0.709	0.243	109.168	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/12/08	2:00	2.185	0.725	0.257	115.362	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/12/08	3:00	2.184	0.724	0.256	114.969	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/12/08	4:00	2.195	0.735	0.266	119.337	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/12/08	5:00	2.195	0.735	0.266	119.337	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/12/08	6:00	2.19	0.730	0.261	117.339	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/12/08	7:00	2.176	0.716	0.249	111.853	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/12/08	8:00	2.185	0.725	0.257	115.362	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/12/08	9:00	2.194	0.734	0.265	118.936	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/12/08	10:00	2.194	0.734	0.265	118.936	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/12/08	11:00	2.197	0.737	0.268	120.142	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/12/08	12:00	2.192	0.732	0.263	118.136	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/12/08	13:00	2.179	0.719	0.252	113.015	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/12/08	14:00	2.177	0.717	0.250	112.239	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/12/08	15:00	2.166	0.706	0.241	108.030	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/12/08	16:00	2.157	0.697	0.233	104.657	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/12/08	17:00	2.152	0.692	0.229	102.811	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/12/08	18:00	2.143	0.683	0.222	99.538	1.409	0.063	0.019201	0.007629	0.269465	120.936

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/12/08	19:00	2.138	0.678	0.218	97.747	1.404	0.058	0.017678	0.006782	0.239555	107.512
7/12/08	20:00	2.131	0.671	0.212	95.272	1.404	0.058	0.017678	0.006782	0.239555	107.512
7/12/08	21:00	2.135	0.675	0.215	96.681	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/12/08	22:00	2.139	0.679	0.219	98.103	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/12/08	23:00	2.148	0.688	0.226	101.348	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/13/08	0:00	2.16	0.700	0.236	105.774	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/13/08	1:00	2.171	0.711	0.245	109.931	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/13/08	2:00	2.176	0.716	0.249	111.853	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/13/08	3:00	2.183	0.723	0.255	114.576	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/13/08	4:00	2.182	0.722	0.254	114.185	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/13/08	5:00	2.189	0.729	0.261	116.942	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/13/08	6:00	2.201	0.741	0.271	121.761	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/13/08	7:00	2.196	0.736	0.267	119.739	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/13/08	8:00	2.201	0.741	0.271	121.761	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/13/08	9:00	2.201	0.741	0.271	121.761	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/13/08	10:00	2.19	0.730	0.261	117.339	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/13/08	11:00	2.169	0.709	0.243	109.168	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/13/08	12:00	2.158	0.698	0.234	105.029	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/13/08	13:00	2.147	0.687	0.225	100.985	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/13/08	14:00	2.145	0.685	0.223	100.260	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/13/08	15:00	2.132	0.672	0.213	95.623	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/13/08	16:00	2.123	0.663	0.206	92.490	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/13/08	17:00	2.114	0.654	0.199	89.419	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/13/08	18:00	2.102	0.642	0.190	85.421	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/13/08	19:00	2.095	0.635	0.185	83.140	1.404	0.058	0.017678	0.006782	0.239555	107.512

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/13/08	20:00	2.092	0.632	0.183	82.173	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/13/08	21:00	2.101	0.641	0.190	85.093	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/13/08	22:00	2.11	0.650	0.196	88.074	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/13/08	23:00	2.126	0.666	0.208	93.527	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/14/08	0:00	2.139	0.679	0.219	98.103	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/14/08	1:00	2.151	0.691	0.228	102.444	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/14/08	2:00	2.164	0.704	0.239	107.275	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/14/08	3:00	2.169	0.709	0.243	109.168	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/14/08	4:00	2.18	0.720	0.253	113.404	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/14/08	5:00	2.194	0.734	0.265	118.936	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/14/08	6:00	2.192	0.732	0.263	118.136	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/14/08	7:00	2.185	0.725	0.257	115.362	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/14/08	8:00	2.189	0.729	0.261	116.942	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/14/08	9:00	2.199	0.739	0.269	120.950	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/14/08	10:00	2.178	0.718	0.251	112.627	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/14/08	11:00	2.155	0.695	0.232	103.916	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/14/08	12:00	2.141	0.681	0.220	98.819	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/14/08	13:00	2.135	0.675	0.215	96.681	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/14/08	14:00	2.127	0.667	0.209	93.875	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/14/08	15:00	2.116	0.656	0.201	90.096	1.409	0.063	0.019201	0.007629	0.269465	120.936
7/14/08	16:00	2.102	0.642	0.190	85.421	1.408	0.062	0.018897	0.007457	0.263390	118.209
7/14/08	17:00	2.091	0.631	0.182	81.852	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/14/08	18:00	2.082	0.622	0.176	79.000	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/14/08	19:00	2.077	0.617	0.173	77.442	1.405	0.059	0.017982	0.006949	0.245443	110.155
7/14/08	20:00	2.076	0.616	0.172	77.132	1.405	0.059	0.017982	0.006949	0.245443	110.155

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/14/08	21:00	2.085	0.625	0.178	79.944	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/14/08	22:00	2.096	0.636	0.186	83.463	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/14/08	23:00	2.103	0.643	0.191	85.750	1.407	0.061	0.018592	0.007287	0.257360	115.503
7/15/08	0:00	2.121	0.661	0.205	91.802	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/15/08	1:00	2.128	0.668	0.210	94.223	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/15/08	2:00	2.141	0.681	0.220	98.819	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/15/08	3:00	2.15	0.690	0.227	102.078	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/15/08	4:00	2.155	0.695	0.232	103.916	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/15/08	5:00	2.159	0.699	0.235	105.401	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/15/08	6:00	2.164	0.704	0.239	107.275	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/15/08	7:00	2.173	0.713	0.247	110.697	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/15/08	8:00	2.173	0.713	0.247	110.697	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/15/08	9:00	2.173	0.713	0.247	110.697	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/15/08	10:00	2.167	0.707	0.242	108.408	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/15/08	11:00	2.146	0.686	0.224	100.622	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/15/08	12:00	2.135	0.675	0.215	96.681	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/15/08	13:00	2.127	0.667	0.209	93.875	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/15/08	14:00	2.116	0.656	0.201	90.096	1.412	0.066	0.020116	0.008153	0.287966	129.239
7/15/08	15:00	2.108	0.648	0.195	87.406	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/15/08	16:00	2.099	0.639	0.188	84.439	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/15/08	17:00	2.09	0.630	0.182	81.532	1.41	0.064	0.019506	0.007803	0.275587	123.683
7/15/08	18:00	2.081	0.621	0.175	78.687	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/15/08	19:00	2.081	0.621	0.175	78.687	1.411	0.065	0.019811	0.007977	0.281754	126.451
7/15/08	20:00	2.082	0.622	0.176	79.000	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/15/08	21:00	2.093	0.633	0.184	82.494	1.412	0.066	0.020116	0.008153	0.287966	129.239

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/15/08	22:00	2.161	0.701	0.237	106.148	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/15/08	23:00	2.783	1.323	1.142	512.643	1.659	0.313	0.095398	0.079550	2.809693	1260.990
7/16/08	0:00	2.757	1.297	1.087	487.972	1.625	0.279	0.085035	0.067071	2.368939	1063.180
7/16/08	1:00	2.757	1.297	1.087	487.972	1.626	0.28	0.085340	0.067428	2.381542	1068.836
7/16/08	2:00	2.651	1.191	0.880	394.829	1.548	0.202	0.061567	0.041591	1.468975	659.276
7/16/08	3:00	2.569	1.109	0.737	330.740	1.505	0.159	0.048461	0.029232	1.032453	463.365
7/16/08	4:00	2.66	1.200	0.896	402.280	1.555	0.209	0.063700	0.043736	1.544762	693.289
7/16/08	5:00	2.721	1.261	1.014	455.009	1.587	0.241	0.073453	0.053992	1.906980	855.853
7/16/08	6:00	2.688	1.228	0.949	426.000	1.566	0.22	0.067053	0.047180	1.666397	747.879
7/16/08	7:00	2.618	1.158	0.820	368.218	1.528	0.182	0.055471	0.035662	1.259584	565.301
7/16/08	8:00	2.521	1.061	0.660	296.342	1.49	0.144	0.043889	0.025273	0.892650	400.621
7/16/08	9:00	2.449	0.989	0.555	248.932	1.466	0.12	0.036574	0.019354	0.683586	306.793
7/16/08	10:00	2.404	0.944	0.494	221.783	1.459	0.113	0.034441	0.017729	0.626193	281.035
7/16/08	11:00	2.364	0.904	0.444	199.213	1.452	0.106	0.032307	0.016152	0.570504	256.042
7/16/08	12:00	2.345	0.885	0.421	188.998	1.447	0.101	0.030783	0.015057	0.531798	238.671
7/16/08	13:00	2.329	0.869	0.403	180.645	1.447	0.101	0.030783	0.015057	0.531798	238.671
7/16/08	14:00	2.314	0.854	0.386	173.019	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/16/08	15:00	2.291	0.831	0.360	161.706	1.44	0.094	0.028650	0.013566	0.479156	215.045
7/16/08	16:00	2.273	0.813	0.341	153.171	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/16/08	17:00	2.259	0.799	0.327	146.723	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/16/08	18:00	2.245	0.785	0.313	140.442	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/16/08	19:00	2.238	0.778	0.306	137.362	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/16/08	20:00	2.24	0.780	0.308	138.238	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/16/08	21:00	2.242	0.782	0.310	139.117	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/16/08	22:00	2.244	0.784	0.312	139.999	1.436	0.09	0.027431	0.012738	0.449907	201.918

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/16/08	23:00	2.248	0.788	0.316	141.774	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/17/08	0:00	2.25	0.790	0.318	142.666	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/17/08	1:00	2.247	0.787	0.315	141.329	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/17/08	2:00	2.249	0.789	0.317	142.220	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/17/08	3:00	2.249	0.789	0.317	142.220	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/17/08	4:00	2.251	0.791	0.319	143.114	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/17/08	5:00	2.251	0.791	0.319	143.114	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/17/08	6:00	2.251	0.791	0.319	143.114	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/17/08	7:00	2.249	0.789	0.317	142.220	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/17/08	8:00	2.251	0.791	0.319	143.114	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/17/08	9:00	2.249	0.789	0.317	142.220	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/17/08	10:00	2.244	0.784	0.312	139.999	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/17/08	11:00	2.226	0.766	0.295	132.179	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/17/08	12:00	2.203	0.743	0.273	122.576	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/17/08	13:00	2.195	0.735	0.266	119.337	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/17/08	14:00	2.178	0.718	0.251	112.627	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/17/08	15:00	2.172	0.712	0.246	110.314	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/17/08	16:00	2.17	0.710	0.244	109.549	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/17/08	17:00	2.171	0.711	0.245	109.931	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/17/08	18:00	3.42	1.960	3.037	1362.888	2.688	1.342	0.409022	0.698692	24.677687	11075.346
7/17/08	19:00	2.958	1.498	1.556	698.140	2.042	0.696	0.212130	0.261642	9.241156	4147.431
7/17/08	20:00	2.726	1.266	1.024	459.505	1.715	0.369	0.112466	0.101594	3.588266	1610.414
7/17/08	21:00	2.644	1.184	0.867	389.091	1.619	0.273	0.083206	0.064944	2.293797	1029.456
7/17/08	22:00	2.594	1.134	0.779	349.560	1.576	0.23	0.070101	0.050386	1.779611	798.689
7/17/08	23:00	2.571	1.111	0.740	332.223	1.548	0.202	0.061567	0.041591	1.468975	659.276

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/18/08	0:00	2.547	1.087	0.701	314.693	1.527	0.181	0.055166	0.035374	1.249399	560.730
7/18/08	1:00	2.535	1.075	0.682	306.141	1.503	0.157	0.047851	0.028693	1.013424	454.824
7/18/08	2:00	2.53	1.070	0.674	302.620	1.494	0.148	0.045108	0.026310	0.929266	417.054
7/18/08	3:00	2.481	1.021	0.600	269.392	1.477	0.131	0.039927	0.022002	0.777099	348.762
7/18/08	4:00	2.459	0.999	0.569	255.221	1.477	0.131	0.039927	0.022002	0.777099	348.762
7/18/08	5:00	2.454	0.994	0.562	252.065	1.481	0.135	0.041146	0.022992	0.812083	364.463
7/18/08	6:00	2.447	0.987	0.552	247.685	1.476	0.13	0.039622	0.021756	0.768433	344.873
7/18/08	7:00	2.442	0.982	0.545	244.585	1.471	0.125	0.038098	0.020544	0.725596	325.647
7/18/08	8:00	2.435	0.975	0.535	240.284	1.468	0.122	0.037184	0.019827	0.700289	314.290
7/18/08	9:00	2.423	0.963	0.519	233.017	1.466	0.12	0.036574	0.019354	0.683586	306.793
7/18/08	10:00	2.417	0.957	0.511	229.433	1.463	0.117	0.035660	0.018652	0.658783	295.662
7/18/08	11:00	2.399	0.939	0.488	218.882	1.459	0.113	0.034441	0.017729	0.626193	281.035
7/18/08	12:00	2.384	0.924	0.469	210.317	1.457	0.111	0.033831	0.017274	0.610106	273.815
7/18/08	13:00	2.374	0.914	0.456	204.720	1.455	0.109	0.033222	0.016822	0.594159	266.658
7/18/08	14:00	2.355	0.895	0.433	194.334	1.451	0.105	0.032002	0.015931	0.562690	252.535
7/18/08	15:00	2.34	0.880	0.415	186.363	1.449	0.103	0.031393	0.015492	0.547171	245.570
7/18/08	16:00	2.329	0.869	0.403	180.645	1.447	0.101	0.030783	0.015057	0.531798	238.671
7/18/08	17:00	2.315	0.855	0.387	173.521	1.446	0.1	0.030479	0.014841	0.524166	235.246
7/18/08	18:00	2.305	0.845	0.376	168.537	1.444	0.098	0.029869	0.014412	0.509013	228.445
7/18/08	19:00	2.295	0.835	0.365	163.640	1.444	0.098	0.029869	0.014412	0.509013	228.445
7/18/08	20:00	2.296	0.836	0.366	164.126	1.444	0.098	0.029869	0.014412	0.509013	228.445
7/18/08	21:00	2.304	0.844	0.374	168.044	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/18/08	22:00	2.304	0.844	0.374	168.044	1.441	0.095	0.028955	0.013776	0.486564	218.370
7/18/08	23:00	2.303	0.843	0.373	167.551	1.441	0.095	0.028955	0.013776	0.486564	218.370
7/19/08	0:00	2.297	0.837	0.367	164.613	1.44	0.094	0.028650	0.013566	0.479156	215.045

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/19/08	1:00	2.306	0.846	0.377	169.032	1.44	0.094	0.028650	0.013566	0.479156	215.045
7/19/08	2:00	2.304	0.844	0.374	168.044	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/19/08	3:00	2.308	0.848	0.379	170.023	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/19/08	4:00	2.305	0.845	0.376	168.537	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/19/08	5:00	2.305	0.845	0.376	168.537	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/19/08	6:00	2.303	0.843	0.373	167.551	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/19/08	7:00	2.303	0.843	0.373	167.551	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/19/08	8:00	2.3	0.840	0.370	166.078	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/19/08	9:00	2.298	0.838	0.368	165.100	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/19/08	10:00	2.294	0.834	0.364	163.155	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/19/08	11:00	2.279	0.819	0.348	155.985	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/19/08	12:00	2.273	0.813	0.341	153.171	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/19/08	13:00	2.256	0.796	0.324	145.363	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/19/08	14:00	2.245	0.785	0.313	140.442	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/19/08	15:00	2.225	0.765	0.294	131.752	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/19/08	16:00	2.215	0.755	0.284	127.532	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/19/08	17:00	2.198	0.738	0.269	120.546	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/19/08	18:00	2.186	0.726	0.258	115.756	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/19/08	19:00	2.183	0.723	0.255	114.576	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/19/08	20:00	2.185	0.725	0.257	115.362	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/19/08	21:00	2.191	0.731	0.262	117.737	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/19/08	22:00	2.201	0.741	0.271	121.761	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/19/08	23:00	2.215	0.755	0.284	127.532	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/20/08	0:00	2.223	0.763	0.292	130.902	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/20/08	1:00	2.223	0.763	0.292	130.902	1.432	0.086	0.026212	0.011928	0.421279	189.070

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/20/08	2:00	2.231	0.771	0.299	134.324	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/20/08	3:00	2.24	0.780	0.308	138.238	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/20/08	4:00	2.238	0.778	0.306	137.362	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/20/08	5:00	2.242	0.782	0.310	139.117	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/20/08	6:00	2.244	0.784	0.312	139.999	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/20/08	7:00	2.244	0.784	0.312	139.999	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/20/08	8:00	2.244	0.784	0.312	139.999	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/20/08	9:00	2.244	0.784	0.312	139.999	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/20/08	10:00	2.24	0.780	0.308	138.238	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/20/08	11:00	2.222	0.762	0.291	130.478	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/20/08	12:00	2.214	0.754	0.283	127.114	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/20/08	13:00	2.198	0.738	0.269	120.546	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/20/08	14:00	2.188	0.728	0.260	116.546	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/20/08	15:00	2.18	0.720	0.253	113.404	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/20/08	16:00	2.17	0.710	0.244	109.549	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/20/08	17:00	2.154	0.694	0.231	103.547	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/20/08	18:00	2.149	0.689	0.227	101.713	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/20/08	19:00	2.147	0.687	0.225	100.985	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/20/08	20:00	2.153	0.693	0.230	103.179	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/20/08	21:00	2.163	0.703	0.238	106.898	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/20/08	22:00	2.172	0.712	0.246	110.314	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/20/08	23:00	2.187	0.727	0.259	116.150	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/21/08	0:00	2.196	0.736	0.267	119.739	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/21/08	1:00	2.209	0.749	0.279	125.039	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/21/08	2:00	2.131	0.671	0.212	95.272	1.42	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/21/08	3:00	2.128	0.668	0.210	94.223	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/21/08	4:00	2.151	0.691	0.228	102.444	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/21/08	5:00	2.205	0.745	0.275	123.394	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/21/08	6:00	2.2	0.740	0.270	121.355	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/21/08	7:00	2.212	0.752	0.281	126.282	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/21/08	8:00	2.233	0.773	0.301	135.188	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/21/08	9:00	2.224	0.764	0.293	131.327	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/21/08	10:00	2.215	0.755	0.284	127.532	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/21/08	11:00	2.201	0.741	0.271	121.761	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/21/08	12:00	2.186	0.726	0.258	115.756	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/21/08	13:00	2.172	0.712	0.246	110.314	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/21/08	14:00	2.162	0.702	0.237	106.523	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/21/08	15:00	2.153	0.693	0.230	103.179	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/21/08	16:00	2.149	0.689	0.227	101.713	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/21/08	17:00	2.151	0.691	0.228	102.444	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/21/08	18:00	2.156	0.696	0.232	104.286	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/21/08	19:00	2.163	0.703	0.238	106.898	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/21/08	20:00	2.167	0.707	0.242	108.408	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/21/08	21:00	2.164	0.704	0.239	107.275	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/21/08	22:00	2.2	0.740	0.270	121.355	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/21/08	23:00	2.2	0.740	0.270	121.355	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/22/08	0:00	2.197	0.737	0.268	120.142	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/22/08	1:00	2.203	0.743	0.273	122.576	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/22/08	2:00	2.173	0.713	0.247	110.697	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/22/08	3:00	1.954	0.494	0.100	44.770	1.397	0.051	0.015544	0.005654	0.199703	89.627

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/22/08	4:00	2.076	0.616	0.172	77.132	1.406	0.06	0.018287	0.007117	0.251378	112.818
7/22/08	5:00	2.151	0.691	0.228	102.444	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/22/08	6:00	2.183	0.723	0.255	114.576	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/22/08	7:00	2.202	0.742	0.272	122.168	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/22/08	8:00	2.211	0.751	0.280	125.867	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/22/08	9:00	2.214	0.754	0.283	127.114	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/22/08	10:00	2.21	0.750	0.280	125.453	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/22/08	11:00	2.194	0.734	0.265	118.936	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/22/08	12:00	2.173	0.713	0.247	110.697	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/22/08	13:00	2.162	0.702	0.237	106.523	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/22/08	14:00	2.144	0.684	0.223	99.898	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/22/08	15:00	2.138	0.678	0.218	97.747	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/22/08	16:00	2.132	0.672	0.213	95.623	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/22/08	17:00	2.123	0.663	0.206	92.490	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/22/08	18:00	2.123	0.663	0.206	92.490	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/22/08	19:00	2.116	0.656	0.201	90.096	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/22/08	20:00	2.122	0.662	0.205	92.146	1.413	0.067	0.020421	0.008330	0.294224	132.048
7/22/08	21:00	2.14	0.680	0.219	98.461	1.415	0.069	0.021030	0.008688	0.306873	137.724
7/22/08	22:00	2.146	0.686	0.224	100.622	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/22/08	23:00	2.158	0.698	0.234	105.029	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/23/08	0:00	2.174	0.714	0.248	111.082	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/23/08	1:00	2.173	0.713	0.247	110.697	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/23/08	2:00	2.142	0.682	0.221	99.178	1.414	0.068	0.020725	0.008509	0.300526	134.876
7/23/08	3:00	2.165	0.705	0.240	107.652	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/23/08	4:00	2.179	0.719	0.252	113.015	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/23/08	5:00	2.191	0.731	0.262	117.737	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/23/08	6:00	2.193	0.733	0.264	118.536	1.419	0.073	0.022249	0.009420	0.332697	149.314
7/23/08	7:00	2.2	0.740	0.270	121.355	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/23/08	8:00	2.202	0.742	0.272	122.168	1.42	0.074	0.022554	0.009605	0.339261	152.260
7/23/08	9:00	2.202	0.742	0.272	122.168	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/23/08	10:00	2.205	0.745	0.275	123.394	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/23/08	11:00	2.203	0.743	0.273	122.576	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/23/08	12:00	2.199	0.739	0.269	120.950	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/23/08	13:00	2.188	0.728	0.260	116.546	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/23/08	14:00	2.181	0.721	0.254	113.794	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/23/08	15:00	2.172	0.712	0.246	110.314	1.417	0.071	0.021640	0.009052	0.319698	143.480
7/23/08	16:00	2.163	0.703	0.238	106.898	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/23/08	17:00	2.163	0.703	0.238	106.898	1.416	0.07	0.021335	0.008869	0.313263	140.593
7/23/08	18:00	2.162	0.702	0.237	106.523	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/23/08	19:00	2.169	0.709	0.243	109.168	1.418	0.072	0.021945	0.009235	0.326176	146.388
7/23/08	20:00	2.181	0.721	0.254	113.794	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/23/08	21:00	2.188	0.728	0.260	116.546	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/23/08	22:00	2.192	0.732	0.263	118.136	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/23/08	23:00	2.196	0.736	0.267	119.739	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/24/08	0:00	2.21	0.750	0.280	125.453	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/24/08	1:00	2.217	0.757	0.286	128.369	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/24/08	2:00	2.217	0.757	0.286	128.369	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/24/08	3:00	2.217	0.757	0.286	128.369	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/24/08	4:00	2.226	0.766	0.295	132.179	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/24/08	5:00	2.233	0.773	0.301	135.188	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/24/08	6:00	2.23	0.770	0.298	133.893	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/24/08	7:00	2.23	0.770	0.298	133.893	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/24/08	8:00	2.233	0.773	0.301	135.188	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/24/08	9:00	2.235	0.775	0.303	136.055	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/24/08	10:00	2.244	0.784	0.312	139.999	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/24/08	11:00	2.238	0.778	0.306	137.362	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/24/08	12:00	2.243	0.783	0.311	139.558	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/24/08	13:00	2.224	0.764	0.293	131.327	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/24/08	14:00	2.219	0.759	0.288	129.210	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/24/08	15:00	2.208	0.748	0.278	124.627	1.423	0.077	0.023468	0.010170	0.359208	161.212
7/24/08	16:00	2.197	0.737	0.268	120.142	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/24/08	17:00	2.193	0.733	0.264	118.536	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/24/08	18:00	2.186	0.726	0.258	115.756	1.421	0.075	0.022859	0.009792	0.345867	155.225
7/24/08	19:00	2.186	0.726	0.258	115.756	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/24/08	20:00	2.188	0.728	0.260	116.546	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/24/08	21:00	2.19	0.730	0.261	117.339	1.422	0.076	0.023164	0.009981	0.352516	158.209
7/24/08	22:00	2.204	0.744	0.274	122.984	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/24/08	23:00	2.208	0.748	0.278	124.627	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/25/08	0:00	2.222	0.762	0.291	130.478	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/25/08	1:00	2.224	0.764	0.293	131.327	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/25/08	2:00	2.224	0.764	0.293	131.327	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/25/08	3:00	2.231	0.771	0.299	134.324	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/25/08	4:00	2.231	0.771	0.299	134.324	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/25/08	5:00	2.233	0.773	0.301	135.188	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/25/08	6:00	2.233	0.773	0.301	135.188	1.428	0.082	0.024992	0.011135	0.393285	176.506

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/25/08	7:00	2.238	0.778	0.306	137.362	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	8:00	2.242	0.782	0.310	139.117	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	9:00	2.242	0.782	0.310	139.117	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	10:00	2.245	0.785	0.313	140.442	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	11:00	2.245	0.785	0.313	140.442	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	12:00	2.247	0.787	0.315	141.329	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	13:00	2.245	0.785	0.313	140.442	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/25/08	14:00	2.236	0.776	0.304	136.490	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/25/08	15:00	2.225	0.765	0.294	131.752	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/25/08	16:00	2.209	0.749	0.279	125.039	1.425	0.079	0.024078	0.010553	0.372715	167.274
7/25/08	17:00	2.204	0.744	0.274	122.984	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/25/08	18:00	2.195	0.735	0.266	119.337	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/25/08	19:00	2.198	0.738	0.269	120.546	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/25/08	20:00	2.197	0.737	0.268	120.142	1.424	0.078	0.023773	0.010361	0.365940	164.234
7/25/08	21:00	2.202	0.742	0.272	122.168	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/25/08	22:00	2.209	0.749	0.279	125.039	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/25/08	23:00	2.222	0.762	0.291	130.478	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/26/08	0:00	2.224	0.764	0.293	131.327	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/26/08	1:00	2.252	0.792	0.320	143.562	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/26/08	2:00	2.245	0.785	0.313	140.442	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/26/08	3:00	2.245	0.785	0.313	140.442	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/26/08	4:00	2.242	0.782	0.310	139.117	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/26/08	5:00	2.242	0.782	0.310	139.117	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/26/08	6:00	2.247	0.787	0.315	141.329	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/26/08	7:00	2.244	0.784	0.312	139.999	1.43	0.084	0.025602	0.011529	0.407202	182.752

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/26/08	8:00	2.246	0.786	0.314	140.885	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	9:00	2.249	0.789	0.317	142.220	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	10:00	2.252	0.792	0.320	143.562	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/26/08	11:00	2.249	0.789	0.317	142.220	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/26/08	12:00	2.242	0.782	0.310	139.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	13:00	2.238	0.778	0.306	137.362	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/26/08	14:00	2.229	0.769	0.297	133.464	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/26/08	15:00	2.22	0.760	0.289	129.632	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	16:00	2.206	0.746	0.276	123.804	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/26/08	17:00	2.2	0.740	0.270	121.355	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/26/08	18:00	2.193	0.733	0.264	118.536	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/26/08	19:00	2.193	0.733	0.264	118.536	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/26/08	20:00	2.19	0.730	0.261	117.339	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	21:00	2.195	0.735	0.266	119.337	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	22:00	2.206	0.746	0.276	123.804	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/26/08	23:00	2.218	0.758	0.287	128.789	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/27/08	0:00	2.225	0.765	0.294	131.752	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/27/08	1:00	2.231	0.771	0.299	134.324	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/27/08	2:00	2.24	0.780	0.308	138.238	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/27/08	3:00	2.245	0.785	0.313	140.442	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/27/08	4:00	2.252	0.792	0.320	143.562	1.44	0.094	0.028650	0.013566	0.479156	215.045
7/27/08	5:00	2.252	0.792	0.320	143.562	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/27/08	6:00	2.254	0.794	0.322	144.461	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/27/08	7:00	2.256	0.796	0.324	145.363	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/27/08	8:00	2.254	0.794	0.322	144.461	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/27/08	9:00	2.256	0.796	0.324	145.363	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/27/08	10:00	2.254	0.794	0.322	144.461	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/27/08	11:00	2.247	0.787	0.315	141.329	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/27/08	12:00	2.241	0.781	0.309	138.677	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/27/08	13:00	2.222	0.762	0.291	130.478	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/27/08	14:00	2.207	0.747	0.277	124.215	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/27/08	15:00	2.193	0.733	0.264	118.536	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/27/08	16:00	2.184	0.724	0.256	114.969	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/27/08	17:00	2.178	0.718	0.251	112.627	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/27/08	18:00	2.171	0.711	0.245	109.931	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/27/08	19:00	2.171	0.711	0.245	109.931	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/27/08	20:00	2.173	0.713	0.247	110.697	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/27/08	21:00	2.18	0.720	0.253	113.404	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/27/08	22:00	2.22	0.760	0.289	129.632	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/27/08	23:00	2.224	0.764	0.293	131.327	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/28/08	0:00	2.228	0.768	0.296	133.034	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/28/08	1:00	2.23	0.770	0.298	133.893	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/28/08	2:00	2.232	0.772	0.300	134.756	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/28/08	3:00	2.239	0.779	0.307	137.800	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/28/08	4:00	2.241	0.781	0.309	138.677	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/28/08	5:00	2.238	0.778	0.306	137.362	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/28/08	6:00	2.236	0.776	0.304	136.490	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/28/08	7:00	2.229	0.769	0.297	133.464	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/28/08	8:00	2.24	0.780	0.308	138.238	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/28/08	9:00	2.24	0.780	0.308	138.238	1.433	0.087	0.026516	0.012129	0.428377	192.256

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/28/08	10:00	2.236	0.776	0.304	136.490	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/28/08	11:00	2.224	0.764	0.293	131.327	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/28/08	12:00	2.213	0.753	0.282	126.698	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/28/08	13:00	2.202	0.742	0.272	122.168	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/28/08	14:00	2.193	0.733	0.264	118.536	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/28/08	15:00	2.191	0.731	0.262	117.737	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/28/08	16:00	2.183	0.723	0.255	114.576	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/28/08	17:00	2.178	0.718	0.251	112.627	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/28/08	18:00	2.174	0.714	0.248	111.082	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/28/08	19:00	2.171	0.711	0.245	109.931	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/28/08	20:00	2.173	0.713	0.247	110.697	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/28/08	21:00	2.18	0.720	0.253	113.404	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/28/08	22:00	2.191	0.731	0.262	117.737	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/28/08	23:00	2.198	0.738	0.269	120.546	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/29/08	0:00	2.202	0.742	0.272	122.168	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/29/08	1:00	2.242	0.782	0.310	139.117	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/29/08	2:00	2.382	0.922	0.466	209.190	1.466	0.12	0.036574	0.019354	0.683586	306.793
7/29/08	3:00	2.285	0.825	0.354	158.830	1.449	0.103	0.031393	0.015492	0.547171	245.570
7/29/08	4:00	2.25	0.790	0.318	142.666	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/29/08	5:00	2.294	0.834	0.364	163.155	1.448	0.102	0.031088	0.015274	0.539466	242.112
7/29/08	6:00	2.249	0.789	0.317	142.220	1.443	0.097	0.029564	0.014199	0.501493	225.070
7/29/08	7:00	2.223	0.763	0.292	130.902	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/29/08	8:00	2.211	0.751	0.280	125.867	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/29/08	9:00	2.209	0.749	0.279	125.039	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/29/08	10:00	2.207	0.747	0.277	124.215	1.435	0.089	0.027126	0.012534	0.442691	198.680

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/29/08	11:00	2.198	0.738	0.269	120.546	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/29/08	12:00	2.189	0.729	0.261	116.942	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/29/08	13:00	2.184	0.724	0.256	114.969	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/29/08	14:00	2.168	0.708	0.242	108.788	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/29/08	15:00	2.164	0.704	0.239	107.275	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/29/08	16:00	2.15	0.690	0.227	102.078	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/29/08	17:00	2.145	0.685	0.223	100.260	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/29/08	18:00	2.139	0.679	0.219	98.103	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/29/08	19:00	2.162	0.702	0.237	106.523	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/29/08	20:00	2.155	0.695	0.232	103.916	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/29/08	21:00	2.159	0.699	0.235	105.401	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/29/08	22:00	2.163	0.703	0.238	106.898	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/29/08	23:00	2.17	0.710	0.244	109.549	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/30/08	0:00	2.179	0.719	0.252	113.015	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/30/08	1:00	2.186	0.726	0.258	115.756	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/30/08	2:00	2.191	0.731	0.262	117.737	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/30/08	3:00	2.195	0.735	0.266	119.337	1.44	0.094	0.028650	0.013566	0.479156	215.045
7/30/08	4:00	2.185	0.725	0.257	115.362	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/30/08	5:00	2.195	0.735	0.266	119.337	1.436	0.09	0.027431	0.012738	0.449907	201.918
7/30/08	6:00	2.202	0.742	0.272	122.168	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/30/08	7:00	2.202	0.742	0.272	122.168	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/30/08	8:00	2.206	0.746	0.276	123.804	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/30/08	9:00	2.206	0.746	0.276	123.804	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/30/08	10:00	2.218	0.758	0.287	128.789	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/30/08	11:00	2.21	0.750	0.280	125.453	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/30/08	12:00	2.198	0.738	0.269	120.546	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/30/08	13:00	2.178	0.718	0.251	112.627	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/30/08	14:00	2.165	0.705	0.240	107.652	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/30/08	15:00	2.146	0.686	0.224	100.622	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/30/08	16:00	2.131	0.671	0.212	95.272	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/30/08	17:00	2.129	0.669	0.211	94.572	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/30/08	18:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
7/30/08	19:00	2.12	0.660	0.204	91.459	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/30/08	20:00	2.126	0.666	0.208	93.527	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/30/08	21:00	2.135	0.675	0.215	96.681	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/30/08	22:00	2.155	0.695	0.232	103.916	1.442	0.096	0.029259	0.013987	0.494010	221.711
7/30/08	23:00	2.152	0.692	0.229	102.811	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/31/08	0:00	2.161	0.701	0.237	106.148	1.435	0.089	0.027126	0.012534	0.442691	198.680
7/31/08	1:00	2.17	0.710	0.244	109.549	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/31/08	2:00	2.179	0.719	0.252	113.015	1.439	0.093	0.028345	0.013358	0.471786	211.738
7/31/08	3:00	2.181	0.721	0.254	113.794	1.438	0.092	0.028040	0.013150	0.464455	208.447
7/31/08	4:00	2.205	0.745	0.275	123.394	1.44	0.094	0.028650	0.013566	0.479156	215.045
7/31/08	5:00	2.197	0.737	0.268	120.142	1.437	0.091	0.027735	0.012943	0.457162	205.174
7/31/08	6:00	2.207	0.747	0.277	124.215	1.434	0.088	0.026821	0.012331	0.435514	195.459
7/31/08	7:00	2.202	0.742	0.272	122.168	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/31/08	8:00	2.207	0.747	0.277	124.215	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/31/08	9:00	2.204	0.744	0.274	122.984	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/31/08	10:00	2.202	0.742	0.272	122.168	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/31/08	11:00	2.205	0.745	0.275	123.394	1.432	0.086	0.026212	0.011928	0.421279	189.070
7/31/08	12:00	2.192	0.732	0.263	118.136	1.432	0.086	0.026212	0.011928	0.421279	189.070

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
7/31/08	13:00	2.178	0.718	0.251	112.627	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/31/08	14:00	2.163	0.703	0.238	106.898	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/31/08	15:00	2.147	0.687	0.225	100.985	1.428	0.082	0.024992	0.011135	0.393285	176.506
7/31/08	16:00	2.127	0.667	0.209	93.875	1.426	0.08	0.024383	0.010746	0.379531	170.333
7/31/08	17:00	2.116	0.656	0.201	90.096	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/31/08	18:00	2.104	0.644	0.192	86.080	1.427	0.081	0.024688	0.010940	0.386387	173.411
7/31/08	19:00	2.101	0.641	0.190	85.093	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/31/08	20:00	2.106	0.646	0.193	86.742	1.43	0.084	0.025602	0.011529	0.407202	182.752
7/31/08	21:00	2.112	0.652	0.198	88.745	1.433	0.087	0.026516	0.012129	0.428377	192.256
7/31/08	22:00	2.13	0.670	0.212	94.921	1.431	0.085	0.025907	0.011728	0.414220	185.902
7/31/08	23:00	2.142	0.682	0.221	99.178	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08	0:00	2.139	0.679	0.219	98.103	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08	1:00	2.152	0.692	0.229	102.811	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08	2:00	2.166	0.706	0.241	108.030	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/1/08	3:00	2.208	0.748	0.278	124.627	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/1/08	4:00	1.896	0.436	0.073	32.935	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/1/08	5:00	2.055	0.595	0.158	70.805	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/1/08	6:00	2.109	0.649	0.195	87.740	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/1/08	7:00	2.254	0.794	0.322	144.461	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/1/08	8:00	2.231	0.771	0.299	134.324	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/1/08	9:00	2.238	0.778	0.306	137.362	1.443	0.097	0.029564	0.014199	0.501493	225.070
8/1/08	10:00	2.222	0.762	0.291	130.478	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08	11:00	2.203	0.743	0.273	122.576	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08	12:00	2.188	0.728	0.260	116.546	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/1/08	13:00	2.167	0.707	0.242	108.408	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/1/08 14:00	2.149	0.689	0.227	101.713	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/1/08 15:00	2.129	0.669	0.211	94.572	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/1/08 16:00	2.078	0.618	0.173	77.752	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/1/08 17:00	2.106	0.646	0.193	86.742	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/1/08 18:00	2.097	0.637	0.187	83.788	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/1/08 19:00	2.099	0.639	0.188	84.439	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/1/08 20:00	2.096	0.636	0.186	83.463	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/1/08 21:00	2.128	0.668	0.210	94.223	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08 22:00	2.13	0.670	0.212	94.921	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/1/08 23:00	2.136	0.676	0.216	97.036	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/2/08 0:00	2.141	0.681	0.220	98.819	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/2/08 1:00	2.213	0.753	0.282	126.698	1.443	0.097	0.029564	0.014199	0.501493	225.070
8/2/08 2:00	2.196	0.736	0.267	119.739	1.44	0.094	0.028650	0.013566	0.479156	215.045
8/2/08 3:00	2.184	0.724	0.256	114.969	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/2/08 4:00	2.158	0.698	0.234	105.029	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/2/08 5:00	2.172	0.712	0.246	110.314	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/2/08 6:00	2.16	0.700	0.236	105.774	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/2/08 7:00	2.178	0.718	0.251	112.627	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/2/08 8:00	2.19	0.730	0.261	117.339	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/2/08 9:00	2.193	0.733	0.264	118.536	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/2/08 10:00	2.193	0.733	0.264	118.536	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/2/08 11:00	2.165	0.705	0.240	107.652	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/2/08 12:00	2.164	0.704	0.239	107.275	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/2/08 13:00	2.148	0.688	0.226	101.348	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/2/08 14:00	2.133	0.673	0.214	95.975	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/2/08 15:00	2.12	0.660	0.204	91.459	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/2/08 16:00	2.102	0.642	0.190	85.421	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/2/08 17:00	2.096	0.636	0.186	83.463	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/2/08 18:00	2.086	0.626	0.179	80.260	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/2/08 19:00	2.091	0.631	0.182	81.852	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/2/08 20:00	2.095	0.635	0.185	83.140	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/2/08 21:00	2.104	0.644	0.192	86.080	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/2/08 22:00	2.124	0.664	0.207	92.835	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/2/08 23:00	2.126	0.666	0.208	93.527	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/3/08 0:00	2.154	0.694	0.231	103.547	1.444	0.098	0.029869	0.014412	0.509013	228.445
8/3/08 1:00	2.158	0.698	0.234	105.029	1.444	0.098	0.029869	0.014412	0.509013	228.445
8/3/08 2:00	2.165	0.705	0.240	107.652	1.453	0.107	0.032612	0.016375	0.578353	259.565
8/3/08 3:00	2.176	0.716	0.249	111.853	1.45	0.104	0.031698	0.015711	0.554913	249.045
8/3/08 4:00	2.19	0.730	0.261	117.339	1.453	0.107	0.032612	0.016375	0.578353	259.565
8/3/08 5:00	2.222	0.762	0.291	130.478	1.457	0.111	0.033831	0.017274	0.610106	273.815
8/3/08 6:00	2.161	0.701	0.237	106.148	1.445	0.099	0.030174	0.014626	0.516571	231.837
8/3/08 7:00	2.163	0.703	0.238	106.898	1.444	0.098	0.029869	0.014412	0.509013	228.445
8/3/08 8:00	2.163	0.703	0.238	106.898	1.439	0.093	0.028345	0.013358	0.471786	211.738
8/3/08 9:00	2.17	0.710	0.244	109.549	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/3/08 10:00	2.175	0.715	0.248	111.467	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/3/08 11:00	2.164	0.704	0.239	107.275	1.439	0.093	0.028345	0.013358	0.471786	211.738
8/3/08 12:00	2.139	0.679	0.219	98.103	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/3/08 13:00	2.113	0.653	0.198	89.082	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/3/08 14:00	2.091	0.631	0.182	81.852	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/3/08 15:00	2.068	0.608	0.166	74.683	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/3/08 16:00	2.032	0.572	0.143	64.244	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/3/08 17:00	2.037	0.577	0.146	65.638	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/3/08 18:00	2.061	0.601	0.162	72.579	1.447	0.101	0.030783	0.015057	0.531798	238.671
8/3/08 19:00	2.118	0.658	0.202	90.776	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/3/08 20:00	2.085	0.625	0.178	79.944	1.446	0.1	0.030479	0.014841	0.524166	235.246
8/3/08 21:00	2.095	0.635	0.185	83.140	1.448	0.102	0.031088	0.015274	0.539466	242.112
8/3/08 22:00	2.108	0.648	0.195	87.406	1.448	0.102	0.031088	0.015274	0.539466	242.112
8/3/08 23:00	2.11	0.650	0.196	88.074	1.453	0.107	0.032612	0.016375	0.578353	259.565
8/4/08 0:00	2.121	0.661	0.205	91.802	1.448	0.102	0.031088	0.015274	0.539466	242.112
8/4/08 1:00	2.165	0.705	0.240	107.652	1.455	0.109	0.033222	0.016822	0.594159	266.658
8/4/08 2:00	2.122	0.662	0.205	92.146	1.454	0.108	0.032917	0.016598	0.586238	263.104
8/4/08 3:00	2.122	0.662	0.205	92.146	1.449	0.103	0.031393	0.015492	0.547171	245.570
8/4/08 4:00	2.128	0.668	0.210	94.223	1.451	0.105	0.032002	0.015931	0.562690	252.535
8/4/08 5:00	2.123	0.663	0.206	92.490	1.451	0.105	0.032002	0.015931	0.562690	252.535
8/4/08 6:00	2.123	0.663	0.206	92.490	1.45	0.104	0.031698	0.015711	0.554913	249.045
8/4/08 7:00	2.135	0.675	0.215	96.681	1.447	0.101	0.030783	0.015057	0.531798	238.671
8/4/08 8:00	2.118	0.658	0.202	90.776	1.449	0.103	0.031393	0.015492	0.547171	245.570
8/4/08 9:00	2.135	0.675	0.215	96.681	1.447	0.101	0.030783	0.015057	0.531798	238.671
8/4/08 10:00	2.128	0.668	0.210	94.223	1.449	0.103	0.031393	0.015492	0.547171	245.570
8/4/08 11:00	2.136	0.676	0.216	97.036	1.449	0.103	0.031393	0.015492	0.547171	245.570
8/4/08 12:00	2.128	0.668	0.210	94.223	1.447	0.101	0.030783	0.015057	0.531798	238.671
8/4/08 13:00	2.11	0.650	0.196	88.074	1.445	0.099	0.030174	0.014626	0.516571	231.837
8/4/08 14:00	2.103	0.643	0.191	85.750	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/4/08 15:00	2.101	0.641	0.190	85.093	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/4/08 16:00	2.088	0.628	0.180	80.895	1.437	0.091	0.027735	0.012943	0.457162	205.174

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/4/08 17:00	2.082	0.622	0.176	79.000	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/4/08 18:00	2.058	0.598	0.160	71.689	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/4/08 19:00	2.046	0.586	0.152	68.192	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/4/08 20:00	2.048	0.588	0.153	68.767	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/4/08 21:00	2.099	0.639	0.188	84.439	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/4/08 22:00	2.079	0.619	0.174	78.063	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/4/08 23:00	2.086	0.626	0.179	80.260	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/5/08 0:00	2.102	0.642	0.190	85.421	1.44	0.094	0.028650	0.013566	0.479156	215.045
8/5/08 1:00	2.113	0.653	0.198	89.082	1.438	0.092	0.028040	0.013150	0.464455	208.447
8/5/08 2:00	2.117	0.657	0.202	90.436	1.44	0.094	0.028650	0.013566	0.479156	215.045
8/5/08 3:00	2.122	0.662	0.205	92.146	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/5/08 4:00	2.14	0.680	0.219	98.461	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/5/08 5:00	2.13	0.670	0.212	94.921	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/5/08 6:00	2.125	0.665	0.208	93.181	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/5/08 7:00	2.128	0.668	0.210	94.223	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/5/08 8:00	2.125	0.665	0.208	93.181	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/5/08 9:00	2.132	0.672	0.213	95.623	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/5/08 10:00	2.128	0.668	0.210	94.223	1.438	0.092	0.028040	0.013150	0.464455	208.447
8/5/08 11:00	2.128	0.668	0.210	94.223	1.438	0.092	0.028040	0.013150	0.464455	208.447
8/5/08 12:00	2.119	0.659	0.203	91.117	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/5/08 13:00	2.106	0.646	0.193	86.742	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/5/08 14:00	2.094	0.634	0.185	82.817	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/5/08 15:00	2.094	0.634	0.185	82.817	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/5/08 16:00	2.088	0.628	0.180	80.895	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/5/08 17:00	2.09	0.630	0.182	81.532	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/5/08 18:00	2.09	0.630	0.182	81.532	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/5/08 19:00	2.083	0.623	0.177	79.314	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/5/08 20:00	2.083	0.623	0.177	79.314	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/5/08 21:00	2.089	0.629	0.181	81.213	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/5/08 22:00	2.1	0.640	0.189	84.765	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/5/08 23:00	2.098	0.638	0.187	84.113	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/6/08 0:00	2.102	0.642	0.190	85.421	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/6/08 1:00	2.109	0.649	0.195	87.740	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/6/08 2:00	2.115	0.655	0.200	89.757	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/6/08 3:00	2.122	0.662	0.205	92.146	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/6/08 4:00	2.129	0.669	0.211	94.572	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/6/08 5:00	2.143	0.683	0.222	99.538	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/6/08 6:00	2.138	0.678	0.218	97.747	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/6/08 7:00	2.147	0.687	0.225	100.985	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/6/08 8:00	2.15	0.690	0.227	102.078	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/6/08 9:00	2.152	0.692	0.229	102.811	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/6/08 10:00	2.117	0.657	0.202	90.436	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/6/08 11:00	2.122	0.662	0.205	92.146	1.439	0.093	0.028345	0.013358	0.471786	211.738
8/6/08 12:00	2.115	0.655	0.200	89.757	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/6/08 13:00	2.104	0.644	0.192	86.080	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/6/08 14:00	2.106	0.646	0.193	86.742	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/6/08 15:00	2.091	0.631	0.182	81.852	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/6/08 16:00	2.093	0.633	0.184	82.494	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/6/08 17:00	2.096	0.636	0.186	83.463	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/6/08 18:00	2.082	0.622	0.176	79.000	1.43	0.084	0.025602	0.011529	0.407202	182.752

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/6/08 19:00	2.075	0.615	0.171	76.824	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/6/08 20:00	2.082	0.622	0.176	79.000	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/6/08 21:00	2.083	0.623	0.177	79.314	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/6/08 22:00	2.081	0.621	0.175	78.687	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/6/08 23:00	2.094	0.634	0.185	82.817	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/7/08 0:00	2.115	0.655	0.200	89.757	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 1:00	2.131	0.671	0.212	95.272	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 2:00	2.134	0.674	0.215	96.328	1.432	0.086	0.026212	0.011928	0.421279	189.070
8/7/08 3:00	2.133	0.673	0.214	95.975	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/7/08 4:00	2.129	0.669	0.211	94.572	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/7/08 5:00	2.128	0.668	0.210	94.223	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/7/08 6:00	2.131	0.671	0.212	95.272	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 7:00	2.131	0.671	0.212	95.272	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 8:00	2.135	0.675	0.215	96.681	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 9:00	2.143	0.683	0.222	99.538	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/7/08 10:00	2.145	0.685	0.223	100.260	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 11:00	2.139	0.679	0.219	98.103	1.43	0.084	0.025602	0.011529	0.407202	182.752
8/7/08 12:00	2.163	0.703	0.238	106.898	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/7/08 13:00	2.136	0.676	0.216	97.036	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/7/08 14:00	2.111	0.651	0.197	88.409	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/7/08 15:00	2.096	0.636	0.186	83.463	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/7/08 16:00	2.083	0.623	0.177	79.314	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/7/08 17:00	2.081	0.621	0.175	78.687	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/7/08 18:00	2.078	0.618	0.173	77.752	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/7/08 19:00	2.078	0.618	0.173	77.752	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/7/08 20:00	2.089	0.629	0.181	81.213	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/7/08 21:00	2.099	0.639	0.188	84.439	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/7/08 22:00	2.117	0.657	0.202	90.436	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/7/08 23:00	2.117	0.657	0.202	90.436	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/8/08 0:00	2.13	0.670	0.212	94.921	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/8/08 1:00	2.139	0.679	0.219	98.103	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 2:00	2.146	0.686	0.224	100.622	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 3:00	2.15	0.690	0.227	102.078	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/8/08 4:00	2.157	0.697	0.233	104.657	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/8/08 5:00	2.162	0.702	0.237	106.523	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/8/08 6:00	2.164	0.704	0.239	107.275	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 7:00	2.166	0.706	0.241	108.030	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 8:00	2.171	0.711	0.245	109.931	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 9:00	2.171	0.711	0.245	109.931	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 10:00	2.171	0.711	0.245	109.931	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 11:00	2.172	0.712	0.246	110.314	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/8/08 12:00	2.149	0.689	0.227	101.713	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/8/08 13:00	2.124	0.664	0.207	92.835	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/8/08 14:00	2.104	0.644	0.192	86.080	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/8/08 15:00	2.093	0.633	0.184	82.494	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/8/08 16:00	2.08	0.620	0.175	78.375	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/8/08 17:00	2.073	0.613	0.170	76.208	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/8/08 18:00	2.059	0.599	0.160	71.985	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/8/08 19:00	2.078	0.618	0.173	77.752	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/8/08 20:00	2.072	0.612	0.169	75.902	1.415	0.069	0.021030	0.008688	0.306873	137.724

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/8/08 21:00	2.088	0.628	0.180	80.895	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/8/08 22:00	2.103	0.643	0.191	85.750	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/8/08 23:00	2.117	0.657	0.202	90.436	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/9/08 0:00	2.126	0.666	0.208	93.527	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/9/08 1:00	2.135	0.675	0.215	96.681	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/9/08 2:00	2.139	0.679	0.219	98.103	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/9/08 3:00	2.136	0.676	0.216	97.036	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/9/08 4:00	2.146	0.686	0.224	100.622	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/9/08 5:00	2.153	0.693	0.230	103.179	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/9/08 6:00	2.157	0.697	0.233	104.657	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/9/08 7:00	2.164	0.704	0.239	107.275	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/9/08 8:00	2.134	0.674	0.215	96.328	1.429	0.083	0.025297	0.011331	0.400223	179.620
8/9/08 9:00	2.166	0.706	0.241	108.030	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/9/08 10:00	2.166	0.706	0.241	108.030	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/9/08 11:00	2.164	0.704	0.239	107.275	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/9/08 12:00	2.164	0.704	0.239	107.275	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/9/08 13:00	2.16	0.700	0.236	105.774	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/9/08 14:00	2.154	0.694	0.231	103.547	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/9/08 15:00	2.136	0.676	0.216	97.036	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/9/08 16:00	2.127	0.667	0.209	93.875	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/9/08 17:00	2.099	0.639	0.188	84.439	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/9/08 18:00	2.081	0.621	0.175	78.687	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/9/08 19:00	2.092	0.632	0.183	82.173	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/9/08 20:00	2.099	0.639	0.188	84.439	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/9/08 21:00	2.107	0.647	0.194	87.074	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/9/08 22:00	2.119	0.659	0.203	91.117	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/9/08 23:00	2.125	0.665	0.208	93.181	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/10/08 0:00	2.129	0.669	0.211	94.572	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/10/08 1:00	2.139	0.679	0.219	98.103	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/10/08 2:00	2.15	0.690	0.227	102.078	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/10/08 3:00	2.157	0.697	0.233	104.657	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/10/08 4:00	2.178	0.718	0.251	112.627	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/10/08 5:00	2.175	0.715	0.248	111.467	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/10/08 6:00	2.178	0.718	0.251	112.627	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/10/08 7:00	2.171	0.711	0.245	109.931	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/10/08 8:00	2.168	0.708	0.242	108.788	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/10/08 9:00	2.168	0.708	0.242	108.788	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/10/08 10:00	2.173	0.713	0.247	110.697	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/10/08 11:00	2.167	0.707	0.242	108.408	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/10/08 12:00	2.151	0.691	0.228	102.444	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/10/08 13:00	2.133	0.673	0.214	95.975	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/10/08 14:00	2.111	0.651	0.197	88.409	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/10/08 15:00	2.104	0.644	0.192	86.080	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/10/08 16:00	2.091	0.631	0.182	81.852	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/10/08 17:00	2.089	0.629	0.181	81.213	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/10/08 18:00	2.121	0.661	0.205	91.802	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/10/08 19:00	2.13	0.670	0.212	94.921	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/10/08 20:00	2.134	0.674	0.215	96.328	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/10/08 21:00	2.155	0.695	0.232	103.916	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/10/08 22:00	2.159	0.699	0.235	105.401	1.426	0.08	0.024383	0.010746	0.379531	170.333

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/10/08	23:00	2.161	0.701	0.237	106.148	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	0:00	2.165	0.705	0.240	107.652	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	1:00	2.162	0.702	0.237	106.523	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/11/08	2:00	2.158	0.698	0.234	105.029	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/11/08	3:00	2.162	0.702	0.237	106.523	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/11/08	4:00	2.174	0.714	0.248	111.082	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/11/08	5:00	2.171	0.711	0.245	109.931	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	6:00	2.173	0.713	0.247	110.697	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	7:00	2.183	0.723	0.255	114.576	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	8:00	2.178	0.718	0.251	112.627	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	9:00	2.18	0.720	0.253	113.404	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	10:00	2.174	0.714	0.248	111.082	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	11:00	2.165	0.705	0.240	107.652	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	12:00	2.145	0.685	0.223	100.260	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/11/08	13:00	2.128	0.668	0.210	94.223	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	14:00	2.132	0.672	0.213	95.623	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/11/08	15:00	2.123	0.663	0.206	92.490	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/11/08	16:00	2.125	0.665	0.208	93.181	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	17:00	2.118	0.658	0.202	90.776	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	18:00	2.113	0.653	0.198	89.082	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	19:00	2.115	0.655	0.200	89.757	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/11/08	20:00	2.131	0.671	0.212	95.272	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	21:00	2.131	0.671	0.212	95.272	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	22:00	2.14	0.680	0.219	98.461	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/11/08	23:00	2.153	0.693	0.230	103.179	1.428	0.082	0.024992	0.011135	0.393285	176.506

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/12/08	0:00	2.155	0.695	0.232	103.916	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/12/08	1:00	2.212	0.752	0.281	126.282	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/12/08	2:00	2.418	0.958	0.513	230.028	1.465	0.119	0.036269	0.019119	0.675284	303.068
8/12/08	3:00	2.357	0.897	0.435	195.412	1.458	0.112	0.034136	0.017501	0.618132	277.418
8/12/08	4:00	2.289	0.829	0.358	160.744	1.443	0.097	0.029564	0.014199	0.501493	225.070
8/12/08	5:00	2.246	0.786	0.314	140.885	1.436	0.09	0.027431	0.012738	0.449907	201.918
8/12/08	6:00	2.227	0.767	0.295	132.606	1.433	0.087	0.026516	0.012129	0.428377	192.256
8/12/08	7:00	2.22	0.760	0.289	129.632	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/12/08	8:00	2.206	0.746	0.276	123.804	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/12/08	9:00	2.202	0.742	0.272	122.168	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/12/08	10:00	2.195	0.735	0.266	119.337	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/12/08	11:00	2.191	0.731	0.262	117.737	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/12/08	12:00	2.175	0.715	0.248	111.467	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/12/08	13:00	2.151	0.691	0.228	102.444	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/12/08	14:00	2.133	0.673	0.214	95.975	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/12/08	15:00	2.132	0.672	0.213	95.623	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/12/08	16:00	2.114	0.654	0.199	89.419	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/12/08	17:00	2.103	0.643	0.191	85.750	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/12/08	18:00	2.095	0.635	0.185	83.140	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/12/08	19:00	2.099	0.639	0.188	84.439	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/12/08	20:00	2.112	0.652	0.198	88.745	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/12/08	21:00	2.118	0.658	0.202	90.776	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/12/08	22:00	2.129	0.669	0.211	94.572	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/12/08	23:00	2.133	0.673	0.214	95.975	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/13/08	0:00	2.135	0.675	0.215	96.681	1.425	0.079	0.024078	0.010553	0.372715	167.274

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/13/08	1:00	2.148	0.688	0.226	101.348	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/13/08	2:00	2.155	0.695	0.232	103.916	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/13/08	3:00	2.155	0.695	0.232	103.916	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/13/08	4:00	2.162	0.702	0.237	106.523	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/13/08	5:00	2.176	0.716	0.249	111.853	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/13/08	6:00	2.169	0.709	0.243	109.168	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/13/08	7:00	2.173	0.713	0.247	110.697	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/13/08	8:00	2.173	0.713	0.247	110.697	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/13/08	9:00	2.173	0.713	0.247	110.697	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/13/08	10:00	2.174	0.714	0.248	111.082	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/13/08	11:00	2.174	0.714	0.248	111.082	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/13/08	12:00	2.156	0.696	0.232	104.286	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/13/08	13:00	2.14	0.680	0.219	98.461	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/13/08	14:00	2.132	0.672	0.213	95.623	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/13/08	15:00	2.112	0.652	0.198	88.745	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/13/08	16:00	2.102	0.642	0.190	85.421	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/13/08	17:00	2.092	0.632	0.183	82.173	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/13/08	18:00	2.085	0.625	0.178	79.944	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/13/08	19:00	2.08	0.620	0.175	78.375	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/13/08	20:00	2.091	0.631	0.182	81.852	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/13/08	21:00	2.09	0.630	0.182	81.532	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/13/08	22:00	2.094	0.634	0.185	82.817	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/13/08	23:00	2.096	0.636	0.186	83.463	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/14/08	0:00	2.119	0.659	0.203	91.117	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/14/08	1:00	2.132	0.672	0.213	95.623	1.422	0.076	0.023164	0.009981	0.352516	158.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/14/08	2:00	2.141	0.681	0.220	98.819	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/14/08	3:00	2.146	0.686	0.224	100.622	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/14/08	4:00	2.153	0.693	0.230	103.179	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/14/08	5:00	2.155	0.695	0.232	103.916	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/14/08	6:00	2.157	0.697	0.233	104.657	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/14/08	7:00	2.157	0.697	0.233	104.657	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/14/08	8:00	2.154	0.694	0.231	103.547	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/14/08	9:00	2.159	0.699	0.235	105.401	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/14/08	10:00	2.162	0.702	0.237	106.523	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/14/08	11:00	2.157	0.697	0.233	104.657	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/14/08	12:00	2.16	0.700	0.236	105.774	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/14/08	13:00	2.151	0.691	0.228	102.444	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/14/08	14:00	2.14	0.680	0.219	98.461	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/14/08	15:00	2.116	0.656	0.201	90.096	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/14/08	16:00	2.105	0.645	0.193	86.410	1.425	0.079	0.024078	0.010553	0.372715	167.274
8/14/08	17:00	2.098	0.638	0.187	84.113	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/14/08	18:00	2.089	0.629	0.181	81.213	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/14/08	19:00	2.088	0.628	0.180	80.895	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/14/08	20:00	2.092	0.632	0.183	82.173	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/14/08	21:00	2.101	0.641	0.190	85.093	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/14/08	22:00	2.105	0.645	0.193	86.410	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/14/08	23:00	2.111	0.651	0.197	88.409	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/15/08	0:00	2.123	0.663	0.206	92.490	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/15/08	1:00	2.129	0.669	0.211	94.572	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/15/08	2:00	2.134	0.674	0.215	96.328	1.42	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/15/08	3:00	2.136	0.676	0.216	97.036	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/15/08	4:00	2.14	0.680	0.219	98.461	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/15/08	5:00	2.152	0.692	0.229	102.811	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/15/08	6:00	2.157	0.697	0.233	104.657	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/15/08	7:00	2.161	0.701	0.237	106.148	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/15/08	8:00	2.157	0.697	0.233	104.657	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/15/08	9:00	2.157	0.697	0.233	104.657	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/15/08	10:00	2.162	0.702	0.237	106.523	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/15/08	11:00	2.167	0.707	0.242	108.408	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/15/08	12:00	2.165	0.705	0.240	107.652	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/15/08	13:00	2.133	0.673	0.214	95.975	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/15/08	14:00	2.105	0.645	0.193	86.410	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/15/08	15:00	2.099	0.639	0.188	84.439	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/15/08	16:00	2.086	0.626	0.179	80.260	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/15/08	17:00	2.086	0.626	0.179	80.260	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/15/08	18:00	2.074	0.614	0.170	76.516	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/15/08	19:00	2.076	0.616	0.172	77.132	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/15/08	20:00	2.087	0.627	0.180	80.577	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/15/08	21:00	2.091	0.631	0.182	81.852	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/15/08	22:00	2.105	0.645	0.193	86.410	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/15/08	23:00	2.116	0.656	0.201	90.096	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/16/08	0:00	2.132	0.672	0.213	95.623	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/16/08	1:00	2.131	0.671	0.212	95.272	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/16/08	2:00	2.136	0.676	0.216	97.036	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/16/08	3:00	2.145	0.685	0.223	100.260	1.414	0.068	0.020725	0.008509	0.300526	134.876

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/16/08	4:00	2.15	0.690	0.227	102.078	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/16/08	5:00	2.145	0.685	0.223	100.260	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/16/08	6:00	2.194	0.734	0.265	118.936	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/16/08	7:00	2.248	0.788	0.316	141.774	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/16/08	8:00	2.3	0.840	0.370	166.078	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/16/08	9:00	2.335	0.875	0.409	183.751	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/16/08	10:00	2.349	0.889	0.426	191.122	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/16/08	11:00	2.164	0.704	0.239	107.275	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/16/08	12:00	2.148	0.688	0.226	101.348	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/16/08	13:00	2.128	0.668	0.210	94.223	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/16/08	14:00	2.089	0.629	0.181	81.213	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/16/08	15:00	2.084	0.624	0.177	79.629	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/16/08	16:00	2.083	0.623	0.177	79.314	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/16/08	17:00	2.07	0.610	0.168	75.291	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/16/08	18:00	2.073	0.613	0.170	76.208	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/16/08	19:00	2.07	0.610	0.168	75.291	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/16/08	20:00	2.081	0.621	0.175	78.687	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/16/08	21:00	2.094	0.634	0.185	82.817	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/16/08	22:00	2.105	0.645	0.193	86.410	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/16/08	23:00	2.113	0.653	0.198	89.082	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/17/08	0:00	2.118	0.658	0.202	90.776	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/17/08	1:00	2.122	0.662	0.205	92.146	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/17/08	2:00	2.11	0.650	0.196	88.074	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/17/08	3:00	2.136	0.676	0.216	97.036	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/17/08	4:00	2.154	0.694	0.231	103.547	1.411	0.065	0.019811	0.007977	0.281754	126.451

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/17/08	5:00	2.154	0.694	0.231	103.547	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/17/08	6:00	2.182	0.722	0.254	114.185	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/17/08	7:00	2.194	0.734	0.265	118.936	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/17/08	8:00	2.201	0.741	0.271	121.761	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/17/08	9:00	2.194	0.734	0.265	118.936	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/17/08	10:00	2.183	0.723	0.255	114.576	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/17/08	11:00	2.183	0.723	0.255	114.576	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/17/08	12:00	2.172	0.712	0.246	110.314	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/17/08	13:00	2.143	0.683	0.222	99.538	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/17/08	14:00	2.128	0.668	0.210	94.223	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/17/08	15:00	2.103	0.643	0.191	85.750	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/17/08	16:00	2.101	0.641	0.190	85.093	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/17/08	17:00	2.097	0.637	0.187	83.788	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/17/08	18:00	2.097	0.637	0.187	83.788	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/17/08	19:00	2.118	0.658	0.202	90.776	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/17/08	20:00	2.124	0.664	0.207	92.835	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/17/08	21:00	2.129	0.669	0.211	94.572	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/17/08	22:00	2.133	0.673	0.214	95.975	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/17/08	23:00	2.159	0.699	0.235	105.401	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/18/08	0:00	2.172	0.712	0.246	110.314	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/18/08	1:00	2.188	0.728	0.260	116.546	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/18/08	2:00	2.199	0.739	0.269	120.950	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/18/08	3:00	2.187	0.727	0.259	116.150	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/18/08	4:00	2.206	0.746	0.276	123.804	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/18/08	5:00	2.234	0.774	0.302	135.621	1.416	0.07	0.021335	0.008869	0.313263	140.593

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/18/08	6:00	2.26	0.800	0.328	147.178	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/18/08	7:00	2.234	0.774	0.302	135.621	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/18/08	8:00	2.243	0.783	0.311	139.558	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/18/08	9:00	2.248	0.788	0.316	141.774	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/18/08	10:00	2.251	0.791	0.319	143.114	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/18/08	11:00	2.239	0.779	0.307	137.800	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/18/08	12:00	2.205	0.745	0.275	123.394	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/18/08	13:00	2.168	0.708	0.242	108.788	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/18/08	14:00	2.137	0.677	0.217	97.391	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/18/08	15:00	2.143	0.683	0.222	99.538	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/18/08	16:00	2.113	0.653	0.198	89.082	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/18/08	17:00	2.179	0.719	0.252	113.015	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/18/08	18:00	2.137	0.677	0.217	97.391	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/18/08	19:00	2.129	0.669	0.211	94.572	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/18/08	20:00	2.138	0.678	0.218	97.747	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/18/08	21:00	2.153	0.693	0.230	103.179	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/18/08	22:00	2.164	0.704	0.239	107.275	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/18/08	23:00	2.206	0.746	0.276	123.804	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/19/08	0:00	2.217	0.757	0.286	128.369	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/19/08	1:00	2.195	0.735	0.266	119.337	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/19/08	2:00	2.207	0.747	0.277	124.215	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/19/08	3:00	2.218	0.758	0.287	128.789	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/19/08	4:00	2.225	0.765	0.294	131.752	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/19/08	5:00	2.239	0.779	0.307	137.800	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/19/08	6:00	2.229	0.769	0.297	133.464	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/19/08	7:00	2.239	0.779	0.307	137.800	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/19/08	8:00	2.225	0.765	0.294	131.752	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/19/08	9:00	2.241	0.781	0.309	138.677	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/19/08	10:00	2.239	0.779	0.307	137.800	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/19/08	11:00	2.23	0.770	0.298	133.893	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/19/08	12:00	2.196	0.736	0.267	119.739	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/19/08	13:00	2.164	0.704	0.239	107.275	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/19/08	14:00	2.138	0.678	0.218	97.747	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/19/08	15:00	2.149	0.689	0.227	101.713	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/19/08	16:00	2.135	0.675	0.215	96.681	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/19/08	17:00	2.134	0.674	0.215	96.328	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/19/08	18:00	2.136	0.676	0.216	97.036	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/19/08	19:00	2.145	0.685	0.223	100.260	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/19/08	20:00	2.163	0.703	0.238	106.898	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/19/08	21:00	2.181	0.721	0.254	113.794	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/19/08	22:00	2.178	0.718	0.251	112.627	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/19/08	23:00	2.208	0.748	0.278	124.627	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/20/08	0:00	2.245	0.785	0.313	140.442	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/20/08	1:00	2.284	0.824	0.353	158.354	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/20/08	2:00	2.246	0.786	0.314	140.885	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/20/08	3:00	2.248	0.788	0.316	141.774	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/20/08	4:00	2.248	0.788	0.316	141.774	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/20/08	5:00	2.253	0.793	0.321	144.011	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/20/08	6:00	2.232	0.772	0.300	134.756	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/20/08	7:00	2.262	0.802	0.330	148.091	1.412	0.066	0.020116	0.008153	0.287966	129.239

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/20/08	8:00	2.267	0.807	0.335	150.387	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/20/08	9:00	2.236	0.776	0.304	136.490	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/20/08	10:00	2.248	0.788	0.316	141.774	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/20/08	11:00	2.202	0.742	0.272	122.168	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/20/08	12:00	2.197	0.737	0.268	120.142	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/20/08	13:00	2.224	0.764	0.293	131.327	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/20/08	14:00	2.216	0.756	0.285	127.950	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/20/08	15:00	2.193	0.733	0.264	118.536	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/20/08	16:00	2.18	0.720	0.253	113.404	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/20/08	17:00	2.164	0.704	0.239	107.275	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/20/08	18:00	2.051	0.591	0.155	69.636	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/20/08	19:00	2.053	0.593	0.156	70.219	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/20/08	20:00	2.055	0.595	0.158	70.805	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/20/08	21:00	2.068	0.608	0.166	74.683	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/20/08	22:00	2.086	0.626	0.179	80.260	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/20/08	23:00	2.081	0.621	0.175	78.687	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/21/08	0:00	2.109	0.649	0.195	87.740	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/21/08	1:00	2.101	0.641	0.190	85.093	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/21/08	2:00	2.101	0.641	0.190	85.093	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/21/08	3:00	2.117	0.657	0.202	90.436	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/21/08	4:00	2.122	0.662	0.205	92.146	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/21/08	5:00	2.131	0.671	0.212	95.272	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/21/08	6:00	2.138	0.678	0.218	97.747	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/21/08	7:00	2.145	0.685	0.223	100.260	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/21/08	8:00	2.147	0.687	0.225	100.985	1.416	0.07	0.021335	0.008869	0.313263	140.593

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/21/08	9:00	2.147	0.687	0.225	100.985	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/21/08	10:00	2.145	0.685	0.223	100.260	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/21/08	11:00	2.147	0.687	0.225	100.985	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/21/08	12:00	2.153	0.693	0.230	103.179	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/21/08	13:00	2.141	0.681	0.220	98.819	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/21/08	14:00	2.135	0.675	0.215	96.681	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/21/08	15:00	2.118	0.658	0.202	90.776	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/21/08	16:00	2.103	0.643	0.191	85.750	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/21/08	17:00	2.098	0.638	0.187	84.113	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/21/08	18:00	2.094	0.634	0.185	82.817	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/21/08	19:00	2.089	0.629	0.181	81.213	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/21/08	20:00	2.098	0.638	0.187	84.113	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/21/08	21:00	2.095	0.635	0.185	83.140	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/21/08	22:00	2.107	0.647	0.194	87.074	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/21/08	23:00	2.109	0.649	0.195	87.740	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/22/08	0:00	2.106	0.646	0.193	86.742	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/22/08	1:00	2.127	0.667	0.209	93.875	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/22/08	2:00	2.136	0.676	0.216	97.036	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/22/08	3:00	2.143	0.683	0.222	99.538	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/22/08	4:00	2.143	0.683	0.222	99.538	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/22/08	5:00	2.126	0.666	0.208	93.527	1.414	0.068	0.020725	0.008509	0.300526	134.876
8/22/08	6:00	2.15	0.690	0.227	102.078	1.416	0.07	0.021335	0.008869	0.313263	140.593
8/22/08	7:00	2.164	0.704	0.239	107.275	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/22/08	8:00	2.157	0.697	0.233	104.657	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/22/08	9:00	2.209	0.749	0.279	125.039	1.415	0.069	0.021030	0.008688	0.306873	137.724

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/22/08	10:00	2.235	0.775	0.303	136.055	1.434	0.088	0.026821	0.012331	0.435514	195.459
8/22/08	11:00	2.2	0.740	0.270	121.355	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/22/08	12:00	2.048	0.588	0.153	68.767	1.456	0.11	0.033526	0.017047	0.602114	270.229
8/22/08	13:00	2.343	0.883	0.419	187.942	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/22/08	14:00	2.422	0.962	0.518	232.417	1.428	0.082	0.024992	0.011135	0.393285	176.506
8/22/08	15:00	2.407	0.947	0.498	223.535	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/22/08	16:00	2.347	0.887	0.423	190.058	1.418	0.072	0.021945	0.009235	0.326176	146.388
8/22/08	17:00	2.362	0.902	0.441	198.123	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/22/08	18:00	2.329	0.869	0.403	180.645	1.438	0.092	0.028040	0.013150	0.464455	208.447
8/22/08	19:00	2.357	0.897	0.435	195.412	1.438	0.092	0.028040	0.013150	0.464455	208.447
8/22/08	20:00	2.419	0.959	0.514	230.624	1.439	0.093	0.028345	0.013358	0.471786	211.738
8/22/08	21:00	2.449	0.989	0.555	248.932	1.439	0.093	0.028345	0.013358	0.471786	211.738
8/22/08	22:00	2.437	0.977	0.538	241.508	1.435	0.089	0.027126	0.012534	0.442691	198.680
8/22/08	23:00	2.328	0.868	0.401	180.130	1.421	0.075	0.022859	0.009792	0.345867	155.225
8/23/08	0:00	2.461	1.001	0.572	256.490	1.437	0.091	0.027735	0.012943	0.457162	205.174
8/23/08	1:00	2.494	1.034	0.619	277.982	1.442	0.096	0.029259	0.013987	0.494010	221.711
8/23/08	2:00	2.448	0.988	0.553	248.308	1.458	0.112	0.034136	0.017501	0.618132	277.418
8/23/08	3:00	2.603	1.143	0.794	356.488	1.427	0.081	0.024688	0.010940	0.386387	173.411
8/23/08	4:00	2.579	1.119	0.754	338.193	1.441	0.095	0.028955	0.013776	0.486564	218.370
8/23/08	5:00	2.67	1.210	0.915	410.658	1.431	0.085	0.025907	0.011728	0.414220	185.902
8/23/08	6:00	2.67	1.210	0.915	410.658	1.426	0.08	0.024383	0.010746	0.379531	170.333
8/23/08	7:00	2.688	1.228	0.949	426.000	1.423	0.077	0.023468	0.010170	0.359208	161.212
8/23/08	8:00	2.683	1.223	0.940	421.705	1.42	0.074	0.022554	0.009605	0.339261	152.260
8/23/08	9:00	2.7	1.240	0.972	436.416	1.422	0.076	0.023164	0.009981	0.352516	158.209
8/23/08	10:00	2.69	1.230	0.953	427.726	1.424	0.078	0.023773	0.010361	0.365940	164.234

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/23/08	11:00	2.665	1.205	0.906	406.456	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/23/08	12:00	2.687	1.227	0.947	425.139	1.424	0.078	0.023773	0.010361	0.365940	164.234
8/23/08	13:00	2.648	1.188	0.874	392.364	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/23/08	14:00	2.63	1.170	0.842	377.766	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/23/08	15:00	2.605	1.145	0.798	358.039	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/23/08	16:00	2.598	1.138	0.786	352.629	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/23/08	17:00	2.577	1.117	0.750	336.695	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/23/08	18:00	2.575	1.115	0.747	335.200	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/23/08	19:00	2.572	1.112	0.742	332.966	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/23/08	20:00	2.081	0.621	0.175	78.687	1.396	0.05	0.015239	0.005499	0.194210	87.161
8/23/08	21:00	2.061	0.601	0.162	72.579	1.396	0.05	0.015239	0.005499	0.194210	87.161
8/23/08	22:00	2.117	0.657	0.202	90.436	1.396	0.05	0.015239	0.005499	0.194210	87.161
8/23/08	23:00	2.184	0.724	0.256	114.969	1.398	0.052	0.015849	0.005811	0.205247	92.115
8/24/08	0:00	2.198	0.738	0.269	120.546	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/24/08	1:00	2.228	0.768	0.296	133.034	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/24/08	2:00	2.251	0.791	0.319	143.114	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/24/08	3:00	2.148	0.688	0.226	101.348	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/24/08	4:00	2.136	0.676	0.216	97.036	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/24/08	5:00	2.114	0.654	0.199	89.419	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/24/08	6:00	2.128	0.668	0.210	94.223	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/24/08	7:00	2.133	0.673	0.214	95.975	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/24/08	8:00	2.145	0.685	0.223	100.260	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/24/08	9:00	2.145	0.685	0.223	100.260	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/24/08	10:00	2.208	0.748	0.278	124.627	1.413	0.067	0.020421	0.008330	0.294224	132.048
8/24/08	11:00	2.27	0.810	0.338	151.775	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/24/08	12:00	2.29	0.830	0.359	161.224	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/24/08	13:00	2.307	0.847	0.378	169.527	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/24/08	14:00	2.341	0.881	0.416	186.889	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/24/08	15:00	2.317	0.857	0.389	174.528	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/24/08	16:00	2.306	0.846	0.377	169.032	1.398	0.052	0.015849	0.005811	0.205247	92.115
8/24/08	17:00	2.281	0.821	0.350	156.930	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/24/08	18:00	2.309	0.849	0.380	170.520	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/24/08	19:00	2.376	0.916	0.459	205.832	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/24/08	20:00	2.387	0.927	0.472	212.014	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/24/08	21:00	2.41	0.950	0.502	225.295	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/24/08	22:00	2.446	0.986	0.550	247.063	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/24/08	23:00	2.493	1.033	0.618	277.315	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/25/08	0:00	2.501	1.041	0.630	282.674	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/25/08	1:00	2.508	1.048	0.640	287.414	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/25/08	2:00	2.536	1.076	0.684	306.849	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/25/08	3:00	2.54	1.080	0.690	309.687	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/25/08	4:00	2.556	1.096	0.716	321.200	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/25/08	5:00	2.57	1.110	0.739	331.481	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/25/08	6:00	2.521	1.061	0.660	296.342	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/25/08	7:00	2.741	1.281	1.054	473.151	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/25/08	8:00	2.763	1.303	1.100	493.601	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/25/08	9:00	2.706	1.246	0.984	441.681	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/25/08	10:00	2.669	1.209	0.913	409.816	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/25/08	11:00	2.662	1.202	0.900	403.948	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/25/08	12:00	2.63	1.170	0.842	377.766	1.419	0.073	0.022249	0.009420	0.332697	149.314

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/25/08	13:00	2.636	1.176	0.852	382.595	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/25/08	14:00	2.602	1.142	0.793	355.714	1.415	0.069	0.021030	0.008688	0.306873	137.724
8/25/08	15:00	2.54	1.080	0.690	309.687	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/25/08	16:00	2.533	1.073	0.679	304.730	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/25/08	17:00	2.058	0.598	0.160	71.689	1.391	0.045	0.013715	0.004743	0.167523	75.184
8/25/08	18:00	2.045	0.585	0.151	67.905	1.389	0.043	0.013106	0.004451	0.157222	70.561
8/25/08	19:00	2.042	0.582	0.149	67.049	1.39	0.044	0.013411	0.004596	0.162345	72.860
8/25/08	20:00	2.056	0.596	0.158	71.099	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/25/08	21:00	2.067	0.607	0.166	74.381	1.392	0.046	0.014020	0.004891	0.172754	77.532
8/25/08	22:00	2.073	0.613	0.170	76.208	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/25/08	23:00	2.065	0.605	0.164	73.777	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/26/08	0:00	2.097	0.637	0.187	83.788	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/26/08	1:00	2.104	0.644	0.192	86.080	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/26/08	2:00	2.106	0.646	0.193	86.742	1.396	0.05	0.015239	0.005499	0.194210	87.161
8/26/08	3:00	2.105	0.645	0.193	86.410	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/26/08	4:00	2.086	0.626	0.179	80.260	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/26/08	5:00	2.089	0.629	0.181	81.213	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/26/08	6:00	2.208	0.748	0.278	124.627	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/26/08	7:00	2.208	0.748	0.278	124.627	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/26/08	8:00	2.213	0.753	0.282	126.698	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/26/08	9:00	2.21	0.750	0.280	125.453	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/26/08	10:00	2.22	0.760	0.289	129.632	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/26/08	11:00	2.209	0.749	0.279	125.039	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/26/08	12:00	2.19	0.730	0.261	117.339	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/26/08	13:00	2.177	0.717	0.250	112.239	1.403	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/26/08	14:00	2.168	0.708	0.242	108.788	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/26/08	15:00	2.174	0.714	0.248	111.082	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/26/08	16:00	2.156	0.696	0.232	104.286	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/26/08	17:00	2.138	0.678	0.218	97.747	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/26/08	18:00	2.136	0.676	0.216	97.036	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/26/08	19:00	2.135	0.675	0.215	96.681	1.398	0.052	0.015849	0.005811	0.205247	92.115
8/26/08	20:00	2.14	0.680	0.219	98.461	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/26/08	21:00	2.148	0.688	0.226	101.348	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/26/08	22:00	2.148	0.688	0.226	101.348	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/26/08	23:00	2.159	0.699	0.235	105.401	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/27/08	0:00	2.17	0.710	0.244	109.549	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/27/08	1:00	2.181	0.721	0.254	113.794	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/27/08	2:00	2.183	0.723	0.255	114.576	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/27/08	3:00	2.192	0.732	0.263	118.136	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/27/08	4:00	2.192	0.732	0.263	118.136	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/27/08	5:00	2.194	0.734	0.265	118.936	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/27/08	6:00	2.204	0.744	0.274	122.984	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/27/08	7:00	2.206	0.746	0.276	123.804	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/27/08	8:00	2.211	0.751	0.280	125.867	1.412	0.066	0.020116	0.008153	0.287966	129.239
8/27/08	9:00	2.603	1.143	0.794	356.488	1.5	0.154	0.046937	0.027891	0.985101	442.113
8/27/08	10:00	2.692	1.232	0.957	429.456	1.525	0.179	0.054557	0.034799	1.229112	551.626
8/27/08	11:00	2.566	1.106	0.732	328.524	1.452	0.106	0.032307	0.016152	0.570504	256.042
8/27/08	12:00	2.521	1.061	0.660	296.342	1.419	0.073	0.022249	0.009420	0.332697	149.314
8/27/08	13:00	2.502	1.042	0.631	283.348	1.417	0.071	0.021640	0.009052	0.319698	143.480
8/27/08	14:00	2.482	1.022	0.602	270.047	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/27/08	15:00	2.449	0.989	0.555	248.932	1.404	0.058	0.017678	0.006782	0.239555	107.512
8/27/08	16:00	2.429	0.969	0.527	236.633	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/27/08	17:00	2.406	0.946	0.497	222.950	1.398	0.052	0.015849	0.005811	0.205247	92.115
8/27/08	18:00	2.413	0.953	0.506	227.063	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/27/08	19:00	2.401	0.941	0.490	220.040	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/27/08	20:00	2.407	0.947	0.498	223.535	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/27/08	21:00	2.42	0.960	0.515	231.221	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/27/08	22:00	2.429	0.969	0.527	236.633	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/27/08	23:00	2.435	0.975	0.535	240.284	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/28/08	0:00	2.444	0.984	0.548	245.822	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/28/08	1:00	2.443	0.983	0.546	245.203	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/28/08	2:00	2.438	0.978	0.539	242.121	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/28/08	3:00	2.44	0.980	0.542	243.351	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/28/08	4:00	2.447	0.987	0.552	247.685	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/28/08	5:00	2.452	0.992	0.559	250.809	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/28/08	6:00	2.454	0.994	0.562	252.065	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/28/08	7:00	2.453	0.993	0.560	251.436	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/28/08	8:00	2.456	0.996	0.564	253.324	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/28/08	9:00	2.453	0.993	0.560	251.436	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/28/08	10:00	2.458	0.998	0.567	254.588	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/28/08	11:00	2.452	0.992	0.559	250.809	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/28/08	12:00	2.443	0.983	0.546	245.203	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/28/08	13:00	2.194	0.734	0.265	118.936	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/28/08	14:00	2.206	0.746	0.276	123.804	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/28/08	15:00	2.259	0.799	0.327	146.723	1.397	0.051	0.015544	0.005654	0.199703	89.627

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/28/08	16:00	2.139	0.679	0.219	98.103	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/28/08	17:00	2.064	0.604	0.164	73.477	1.396	0.05	0.015239	0.005499	0.194210	87.161
8/28/08	18:00	2.214	0.754	0.283	127.114	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/28/08	19:00	2.07	0.610	0.168	75.291	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/28/08	20:00	2.266	0.806	0.334	149.926	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/28/08	21:00	2.246	0.786	0.314	140.885	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/28/08	22:00	2.29	0.830	0.359	161.224	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/28/08	23:00	2.458	0.998	0.567	254.588	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/29/08	0:00	2.248	0.788	0.316	141.774	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/29/08	1:00	2.346	0.886	0.422	189.528	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	2:00	2.146	0.686	0.224	100.622	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/29/08	3:00	2.411	0.951	0.503	225.883	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/29/08	4:00	2.3	0.840	0.370	166.078	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	5:00	2.147	0.687	0.225	100.985	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/29/08	6:00	2.203	0.743	0.273	122.576	1.402	0.056	0.017068	0.006453	0.227923	102.292
8/29/08	7:00	2.483	1.023	0.603	270.703	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/29/08	8:00	2.436	0.976	0.537	240.895	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	9:00	2.14	0.680	0.219	98.461	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	10:00	2.142	0.682	0.221	99.178	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	11:00	2.138	0.678	0.218	97.747	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	12:00	2.125	0.665	0.208	93.181	1.401	0.055	0.016763	0.006291	0.222180	99.714
8/29/08	13:00	2.098	0.638	0.187	84.113	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/29/08	14:00	2.081	0.621	0.175	78.687	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/29/08	15:00	2.248	0.788	0.316	141.774	1.395	0.049	0.014934	0.005345	0.188768	84.719
8/29/08	16:00	2.284	0.824	0.353	158.354	1.396	0.05	0.015239	0.005499	0.194210	87.161

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/29/08	17:00	2.311	0.851	0.382	171.517	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/29/08	18:00	2.043	0.583	0.150	67.334	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/29/08	19:00	2.054	0.594	0.157	70.511	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/29/08	20:00	2.285	0.825	0.354	158.830	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	21:00	2.3	0.840	0.370	166.078	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/29/08	22:00	2.33	0.870	0.404	181.160	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/29/08	23:00	2.077	0.617	0.173	77.442	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/30/08	0:00	2.095	0.635	0.185	83.140	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/30/08	1:00	2.344	0.884	0.420	188.469	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/30/08	2:00	2.397	0.937	0.485	217.729	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/30/08	3:00	2.31	0.850	0.381	171.018	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/30/08	4:00	2.357	0.897	0.435	195.412	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/30/08	5:00	2.354	0.894	0.432	193.797	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/30/08	6:00	2.424	0.964	0.521	233.617	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/30/08	7:00	2.455	0.995	0.563	252.694	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/30/08	8:00	2.499	1.039	0.627	281.329	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/30/08	9:00	2.135	0.675	0.215	96.681	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/30/08	10:00	2.142	0.682	0.221	99.178	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/30/08	11:00	2.134	0.674	0.215	96.328	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/30/08	12:00	2.318	0.858	0.390	175.033	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/30/08	13:00	2.094	0.634	0.185	82.817	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/30/08	14:00	2.259	0.799	0.327	146.723	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/30/08	15:00	2.388	0.928	0.474	212.581	1.397	0.051	0.015544	0.005654	0.199703	89.627
8/30/08	16:00	2.044	0.584	0.151	67.619	1.398	0.052	0.015849	0.005811	0.205247	92.115
8/30/08	17:00	2.317	0.857	0.389	174.528	1.396	0.05	0.015239	0.005499	0.194210	87.161

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/30/08	18:00	2.213	0.753	0.282	126.698	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/30/08	19:00	2.309	0.849	0.380	170.520	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/30/08	20:00	2.27	0.810	0.338	151.775	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/30/08	21:00	2.29	0.830	0.359	161.224	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/30/08	22:00	2.301	0.841	0.371	166.568	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/30/08	23:00	2.387	0.927	0.472	212.014	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/31/08	0:00	2.408	0.948	0.499	224.121	1.41	0.064	0.019506	0.007803	0.275587	123.683
8/31/08	1:00	2.398	0.938	0.486	218.305	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/31/08	2:00	2.332	0.872	0.406	182.194	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/31/08	3:00	2.425	0.965	0.522	234.219	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/31/08	4:00	2.437	0.977	0.538	241.508	1.408	0.062	0.018897	0.007457	0.263390	118.209
8/31/08	5:00	2.453	0.993	0.560	251.436	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/31/08	6:00	2.455	0.995	0.563	252.694	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/31/08	7:00	2.425	0.965	0.522	234.219	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/31/08	8:00	2.413	0.953	0.506	227.063	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/31/08	9:00	2.145	0.685	0.223	100.260	1.411	0.065	0.019811	0.007977	0.281754	126.451
8/31/08	10:00	2.244	0.784	0.312	139.999	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/31/08	11:00	2.355	0.895	0.433	194.334	1.409	0.063	0.019201	0.007629	0.269465	120.936
8/31/08	12:00	2.351	0.891	0.428	192.189	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/31/08	13:00	2.341	0.881	0.416	186.889	1.405	0.059	0.017982	0.006949	0.245443	110.155
8/31/08	14:00	2.341	0.881	0.416	186.889	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/31/08	15:00	2.328	0.868	0.401	180.130	1.399	0.053	0.016154	0.005969	0.210842	94.626
8/31/08	16:00	2.332	0.872	0.406	182.194	1.4	0.054	0.016458	0.006129	0.216486	97.159
8/31/08	17:00	2.032	0.572	0.143	64.244	1.403	0.057	0.017373	0.006617	0.233715	104.891
8/31/08	18:00	2.029	0.569	0.141	63.416	1.403	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
8/31/08 19:00	2.303	0.843	0.373	167.551	1.406	0.06	0.018287	0.007117	0.251378	112.818
8/31/08 20:00	2.352	0.892	0.429	192.724	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/31/08 21:00	2.229	0.769	0.297	133.464	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/31/08 22:00	2.322	0.862	0.395	177.061	1.407	0.061	0.018592	0.007287	0.257360	115.503
8/31/08 23:00	2.392	0.932	0.479	214.860	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/1/08 0:00	2.403	0.943	0.493	221.201	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/1/08 1:00	2.425	0.965	0.522	234.219	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/1/08 2:00	2.324	0.864	0.397	178.081	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/1/08 3:00	2.133	0.673	0.214	95.975	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/1/08 4:00	2.147	0.687	0.225	100.985	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/1/08 5:00	2.154	0.694	0.231	103.547	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/1/08 6:00	2.163	0.703	0.238	106.898	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/1/08 7:00	2.176	0.716	0.249	111.853	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/1/08 8:00	2.402	0.942	0.492	220.620	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/1/08 9:00	2.162	0.702	0.237	106.523	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/1/08 10:00	2.423	0.963	0.519	233.017	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/1/08 11:00	2.485	1.025	0.606	272.017	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/1/08 12:00	2.106	0.646	0.193	86.742	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/1/08 13:00	2.084	0.624	0.177	79.629	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/1/08 14:00	2.402	0.942	0.492	220.620	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/1/08 15:00	2.413	0.953	0.506	227.063	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/1/08 16:00	2.407	0.947	0.498	223.535	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/1/08 17:00	2.405	0.945	0.495	222.366	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/1/08 18:00	2.398	0.938	0.486	218.305	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/1/08 19:00	2.395	0.935	0.483	216.578	1.41	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/1/08 20:00	2.378	0.918	0.461	206.948	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/1/08 21:00	2.21	0.750	0.280	125.453	1.423	0.077	0.023468	0.010170	0.359208	161.212
9/1/08 22:00	2.108	0.648	0.195	87.406	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/1/08 23:00	2.126	0.666	0.208	93.527	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/2/08 0:00	2.133	0.673	0.214	95.975	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/2/08 1:00	2.466	1.006	0.579	259.680	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/2/08 2:00	2.357	0.897	0.435	195.412	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/2/08 3:00	2.159	0.699	0.235	105.401	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/2/08 4:00	2.199	0.739	0.269	120.950	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/2/08 5:00	2.222	0.762	0.291	130.478	1.421	0.075	0.022859	0.009792	0.345867	155.225
9/2/08 6:00	2.196	0.736	0.267	119.739	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/2/08 7:00	2.391	0.931	0.477	214.289	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/2/08 8:00	2.13	0.670	0.212	94.921	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/2/08 9:00	2.303	0.843	0.373	167.551	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/2/08 10:00	2.216	0.756	0.285	127.950	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/2/08 11:00	2.106	0.646	0.193	86.742	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/2/08 12:00	2.102	0.642	0.190	85.421	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/2/08 13:00	2.108	0.648	0.195	87.406	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/2/08 14:00	2.113	0.653	0.198	89.082	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/2/08 15:00	2.125	0.665	0.208	93.181	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/2/08 16:00	2.15	0.690	0.227	102.078	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/2/08 17:00	2.143	0.683	0.222	99.538	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/2/08 18:00	2.139	0.679	0.219	98.103	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/2/08 19:00	2.127	0.667	0.209	93.875	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/2/08 20:00	2.113	0.653	0.198	89.082	1.405	0.059	0.017982	0.006949	0.245443	110.155

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/2/08 21:00	2.12	0.660	0.204	91.459	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/2/08 22:00	2.122	0.662	0.205	92.146	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/2/08 23:00	2.122	0.662	0.205	92.146	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/3/08 0:00	2.124	0.664	0.207	92.835	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/3/08 1:00	2.124	0.664	0.207	92.835	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/3/08 2:00	2.117	0.657	0.202	90.436	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/3/08 3:00	2.119	0.659	0.203	91.117	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/3/08 4:00	2.126	0.666	0.208	93.527	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/3/08 5:00	2.119	0.659	0.203	91.117	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/3/08 6:00	2.121	0.661	0.205	91.802	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/3/08 7:00	2.123	0.663	0.206	92.490	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/3/08 8:00	2.123	0.663	0.206	92.490	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/3/08 9:00	2.128	0.668	0.210	94.223	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/3/08 10:00	2.123	0.663	0.206	92.490	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/3/08 11:00	2.126	0.666	0.208	93.527	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/3/08 12:00	2.114	0.654	0.199	89.419	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/3/08 13:00	2.105	0.645	0.193	86.410	1.399	0.053	0.016154	0.005969	0.210842	94.626
9/3/08 14:00	2.09	0.630	0.182	81.532	1.397	0.051	0.015544	0.005654	0.199703	89.627
9/3/08 15:00	2.072	0.612	0.169	75.902	1.4	0.054	0.016458	0.006129	0.216486	97.159
9/3/08 16:00	2.072	0.612	0.169	75.902	1.398	0.052	0.015849	0.005811	0.205247	92.115
9/3/08 17:00	2.064	0.604	0.164	73.477	1.398	0.052	0.015849	0.005811	0.205247	92.115
9/3/08 18:00	2.059	0.599	0.160	71.985	1.396	0.05	0.015239	0.005499	0.194210	87.161
9/3/08 19:00	2.058	0.598	0.160	71.689	1.399	0.053	0.016154	0.005969	0.210842	94.626
9/3/08 20:00	2.06	0.600	0.161	72.282	1.399	0.053	0.016154	0.005969	0.210842	94.626
9/3/08 21:00	2.076	0.616	0.172	77.132	1.402	0.056	0.017068	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/3/08 22:00	2.092	0.632	0.183	82.173	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/3/08 23:00	2.099	0.639	0.188	84.439	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/4/08 0:00	2.108	0.648	0.195	87.406	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/4/08 1:00	2.143	0.683	0.222	99.538	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/4/08 2:00	2.159	0.699	0.235	105.401	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/4/08 3:00	2.112	0.652	0.198	88.745	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/4/08 4:00	2.112	0.652	0.198	88.745	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/4/08 5:00	2.119	0.659	0.203	91.117	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/4/08 6:00	2.128	0.668	0.210	94.223	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/4/08 7:00	2.131	0.671	0.212	95.272	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/4/08 8:00	2.135	0.675	0.215	96.681	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/4/08 9:00	2.133	0.673	0.214	95.975	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/4/08 10:00	2.14	0.680	0.219	98.461	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/4/08 11:00	2.135	0.675	0.215	96.681	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/4/08 12:00	2.126	0.666	0.208	93.527	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/4/08 13:00	2.11	0.650	0.196	88.074	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/4/08 14:00	2.092	0.632	0.183	82.173	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/4/08 15:00	2.081	0.621	0.175	78.687	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/4/08 16:00	2.073	0.613	0.170	76.208	1.4	0.054	0.016458	0.006129	0.216486	97.159
9/4/08 17:00	2.062	0.602	0.162	72.878	1.4	0.054	0.016458	0.006129	0.216486	97.159
9/4/08 18:00	2.052	0.592	0.156	69.927	1.398	0.052	0.015849	0.005811	0.205247	92.115
9/4/08 19:00	2.054	0.594	0.157	70.511	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/4/08 20:00	2.063	0.603	0.163	73.177	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/4/08 21:00	2.067	0.607	0.166	74.381	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/4/08 22:00	2.083	0.623	0.177	79.314	1.402	0.056	0.017068	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/4/08 23:00	2.091	0.631	0.182	81.852	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/5/08 0:00	2.103	0.643	0.191	85.750	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/5/08 1:00	2.11	0.650	0.196	88.074	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 2:00	2.114	0.654	0.199	89.419	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 3:00	2.114	0.654	0.199	89.419	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/5/08 4:00	2.116	0.656	0.201	90.096	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/5/08 5:00	2.116	0.656	0.201	90.096	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/5/08 6:00	2.123	0.663	0.206	92.490	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 7:00	2.126	0.666	0.208	93.527	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 8:00	2.126	0.666	0.208	93.527	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 9:00	2.128	0.668	0.210	94.223	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 10:00	2.133	0.673	0.214	95.975	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 11:00	2.135	0.675	0.215	96.681	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 12:00	2.133	0.673	0.214	95.975	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 13:00	2.126	0.666	0.208	93.527	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 14:00	2.119	0.659	0.203	91.117	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 15:00	2.112	0.652	0.198	88.745	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 16:00	2.112	0.652	0.198	88.745	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 17:00	2.121	0.661	0.205	91.802	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 18:00	2.119	0.659	0.203	91.117	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 19:00	2.117	0.657	0.202	90.436	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 20:00	2.117	0.657	0.202	90.436	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 21:00	2.121	0.661	0.205	91.802	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/5/08 22:00	2.116	0.656	0.201	90.096	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/5/08 23:00	2.123	0.663	0.206	92.490	1.407	0.061	0.018592	0.007287	0.257360	115.503

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/6/08 0:00	2.135	0.675	0.215	96.681	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 1:00	2.128	0.668	0.210	94.223	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/6/08 2:00	2.135	0.675	0.215	96.681	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/6/08 3:00	2.133	0.673	0.214	95.975	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/6/08 4:00	2.135	0.675	0.215	96.681	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 5:00	2.14	0.680	0.219	98.461	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 6:00	2.15	0.690	0.227	102.078	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 7:00	2.159	0.699	0.235	105.401	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 8:00	2.159	0.699	0.235	105.401	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 9:00	2.154	0.694	0.231	103.547	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 10:00	2.154	0.694	0.231	103.547	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 11:00	2.156	0.696	0.232	104.286	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 12:00	2.168	0.708	0.242	108.788	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 13:00	2.159	0.699	0.235	105.401	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/6/08 14:00	2.154	0.694	0.231	103.547	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/6/08 15:00	2.154	0.694	0.231	103.547	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 16:00	2.149	0.689	0.227	101.713	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 17:00	2.152	0.692	0.229	102.811	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 18:00	2.154	0.694	0.231	103.547	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 19:00	2.154	0.694	0.231	103.547	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 20:00	2.159	0.699	0.235	105.401	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/6/08 21:00	2.215	0.755	0.284	127.532	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/6/08 22:00	2.506	1.046	0.637	286.055	1.472	0.126	0.038403	0.020784	0.734098	329.463
9/6/08 23:00	2.518	1.058	0.656	294.267	1.467	0.121	0.036879	0.019590	0.691921	310.534
9/7/08 0:00	2.347	0.887	0.423	190.058	1.439	0.093	0.028345	0.013358	0.471786	211.738

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/7/08 1:00	2.269	0.809	0.337	151.312	1.424	0.078	0.023773	0.010361	0.365940	164.234
9/7/08 2:00	2.232	0.772	0.300	134.756	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/7/08 3:00	2.215	0.755	0.284	127.532	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/7/08 4:00	2.203	0.743	0.273	122.576	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/7/08 5:00	2.203	0.743	0.273	122.576	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/7/08 6:00	2.192	0.732	0.263	118.136	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/7/08 7:00	2.187	0.727	0.259	116.150	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/7/08 8:00	2.192	0.732	0.263	118.136	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/7/08 9:00	2.185	0.725	0.257	115.362	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/7/08 10:00	2.185	0.725	0.257	115.362	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/7/08 11:00	2.185	0.725	0.257	115.362	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/7/08 12:00	2.185	0.725	0.257	115.362	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/7/08 13:00	2.182	0.722	0.254	114.185	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/7/08 14:00	2.176	0.716	0.249	111.853	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/7/08 15:00	2.171	0.711	0.245	109.931	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/7/08 16:00	2.155	0.695	0.232	103.916	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/7/08 17:00	2.153	0.693	0.230	103.179	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/7/08 18:00	2.137	0.677	0.217	97.391	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/7/08 19:00	2.137	0.677	0.217	97.391	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/7/08 20:00	2.143	0.683	0.222	99.538	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/7/08 21:00	2.148	0.688	0.226	101.348	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/7/08 22:00	2.155	0.695	0.232	103.916	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/7/08 23:00	2.159	0.699	0.235	105.401	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/8/08 0:00	2.161	0.701	0.237	106.148	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/8/08 1:00	2.164	0.704	0.239	107.275	1.409	0.063	0.019201	0.007629	0.269465	120.936

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/8/08 2:00	2.168	0.708	0.242	108.788	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/8/08 3:00	2.173	0.713	0.247	110.697	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/8/08 4:00	2.166	0.706	0.241	108.030	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/8/08 5:00	2.173	0.713	0.247	110.697	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/8/08 6:00	2.185	0.725	0.257	115.362	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/8/08 7:00	2.222	0.762	0.291	130.478	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/8/08 8:00	2.307	0.847	0.378	169.527	1.434	0.088	0.026821	0.012331	0.435514	195.459
9/8/08 9:00	2.49	1.030	0.613	275.321	1.464	0.118	0.035965	0.018885	0.667017	299.357
9/8/08 10:00	2.471	1.011	0.586	262.894	1.462	0.116	0.035355	0.018420	0.650584	291.982
9/8/08 11:00	2.368	0.908	0.449	201.405	1.443	0.097	0.029564	0.014199	0.501493	225.070
9/8/08 12:00	2.3	0.840	0.370	166.078	1.431	0.085	0.025907	0.011728	0.414220	185.902
9/8/08 13:00	2.267	0.807	0.335	150.387	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/8/08 14:00	2.243	0.783	0.311	139.558	1.421	0.075	0.022859	0.009792	0.345867	155.225
9/8/08 15:00	2.218	0.758	0.287	128.789	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/8/08 16:00	2.192	0.732	0.263	118.136	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/8/08 17:00	2.178	0.718	0.251	112.627	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/8/08 18:00	2.164	0.704	0.239	107.275	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/8/08 19:00	2.162	0.702	0.237	106.523	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/8/08 20:00	2.161	0.701	0.237	106.148	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/8/08 21:00	2.166	0.706	0.241	108.030	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/8/08 22:00	2.166	0.706	0.241	108.030	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/8/08 23:00	2.166	0.706	0.241	108.030	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/9/08 0:00	2.17	0.710	0.244	109.549	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/9/08 1:00	2.175	0.715	0.248	111.467	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/9/08 2:00	2.173	0.713	0.247	110.697	1.414	0.068	0.020725	0.008509	0.300526	134.876

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/9/08 3:00	2.166	0.706	0.241	108.030	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/9/08 4:00	2.164	0.704	0.239	107.275	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/9/08 5:00	2.18	0.720	0.253	113.404	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/9/08 6:00	2.18	0.720	0.253	113.404	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/9/08 7:00	2.178	0.718	0.251	112.627	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/9/08 8:00	2.171	0.711	0.245	109.931	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/9/08 9:00	2.176	0.716	0.249	111.853	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/9/08 10:00	2.178	0.718	0.251	112.627	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/9/08 11:00	2.175	0.715	0.248	111.467	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/9/08 12:00	2.166	0.706	0.241	108.030	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/9/08 13:00	2.157	0.697	0.233	104.657	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/9/08 14:00	2.134	0.674	0.215	96.328	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/9/08 15:00	2.132	0.672	0.213	95.623	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/9/08 16:00	2.109	0.649	0.195	87.740	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/9/08 17:00	2.109	0.649	0.195	87.740	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/9/08 18:00	2.102	0.642	0.190	85.421	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/9/08 19:00	2.106	0.646	0.193	86.742	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/9/08 20:00	2.103	0.643	0.191	85.750	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/9/08 21:00	2.117	0.657	0.202	90.436	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/9/08 22:00	2.117	0.657	0.202	90.436	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/9/08 23:00	2.112	0.652	0.198	88.745	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/10/08 0:00	2.154	0.694	0.231	103.547	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/10/08 1:00	2.149	0.689	0.227	101.713	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/10/08 2:00	2.159	0.699	0.235	105.401	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/10/08 3:00	2.156	0.696	0.232	104.286	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/10/08	4:00	2.182	0.722	0.254	114.185	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	5:00	2.156	0.696	0.232	104.286	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	6:00	2.159	0.699	0.235	105.401	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	7:00	2.161	0.701	0.237	106.148	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	8:00	2.161	0.701	0.237	106.148	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	9:00	2.159	0.699	0.235	105.401	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/10/08	10:00	2.166	0.706	0.241	108.030	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/10/08	11:00	2.163	0.703	0.238	106.898	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	12:00	2.159	0.699	0.235	105.401	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	13:00	2.148	0.688	0.226	101.348	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/10/08	14:00	2.132	0.672	0.213	95.623	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/10/08	15:00	2.117	0.657	0.202	90.436	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/10/08	16:00	2.112	0.652	0.198	88.745	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/10/08	17:00	2.107	0.647	0.194	87.074	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/10/08	18:00	2.109	0.649	0.195	87.740	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/10/08	19:00	2.118	0.658	0.202	90.776	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/10/08	20:00	2.127	0.667	0.209	93.875	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/10/08	21:00	2.148	0.688	0.226	101.348	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/10/08	22:00	2.143	0.683	0.222	99.538	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/10/08	23:00	2.148	0.688	0.226	101.348	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	0:00	2.16	0.700	0.236	105.774	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/11/08	1:00	2.157	0.697	0.233	104.657	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	2:00	2.164	0.704	0.239	107.275	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	3:00	2.173	0.713	0.247	110.697	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	4:00	2.173	0.713	0.247	110.697	1.412	0.066	0.020116	0.008153	0.287966	129.239

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/11/08	5:00	2.18	0.720	0.253	113.404	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	6:00	2.197	0.737	0.268	120.142	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/11/08	7:00	2.192	0.732	0.263	118.136	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	8:00	2.206	0.746	0.276	123.804	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/11/08	9:00	2.3	0.840	0.370	166.078	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/11/08	10:00	2.514	1.054	0.650	291.515	1.466	0.12	0.036574	0.019354	0.683586	306.793
9/11/08	11:00	2.39	0.930	0.476	213.718	1.445	0.099	0.030174	0.014626	0.516571	231.837
9/11/08	12:00	2.31	0.850	0.381	171.018	1.428	0.082	0.024992	0.011135	0.393285	176.506
9/11/08	13:00	2.259	0.799	0.327	146.723	1.424	0.078	0.023773	0.010361	0.365940	164.234
9/11/08	14:00	2.231	0.771	0.299	134.324	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/11/08	15:00	2.219	0.759	0.288	129.210	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/11/08	16:00	2.234	0.774	0.302	135.621	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/11/08	17:00	2.271	0.811	0.339	152.239	1.427	0.081	0.024688	0.010940	0.386387	173.411
9/11/08	18:00	2.325	0.865	0.398	178.592	1.436	0.09	0.027431	0.012738	0.449907	201.918
9/11/08	19:00	2.59	1.130	0.772	346.507	1.512	0.166	0.050594	0.031143	1.099980	493.671
9/11/08	20:00	2.596	1.136	0.782	351.092	1.543	0.197	0.060043	0.040080	1.415626	635.333
9/11/08	21:00	2.5	1.040	0.628	282.001	1.479	0.133	0.040536	0.022495	0.794527	356.583
9/11/08	22:00	2.394	0.934	0.481	216.004	1.448	0.102	0.031088	0.015274	0.539466	242.112
9/11/08	23:00	2.319	0.859	0.391	175.539	1.437	0.091	0.027735	0.012943	0.457162	205.174
9/12/08	0:00	2.272	0.812	0.340	152.705	1.429	0.083	0.025297	0.011331	0.400223	179.620
9/12/08	1:00	2.251	0.791	0.319	143.114	1.427	0.081	0.024688	0.010940	0.386387	173.411
9/12/08	2:00	2.239	0.779	0.307	137.800	1.425	0.079	0.024078	0.010553	0.372715	167.274
9/12/08	3:00	2.23	0.770	0.298	133.893	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/12/08	4:00	2.222	0.762	0.291	130.478	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/12/08	5:00	2.218	0.758	0.287	128.789	1.422	0.076	0.023164	0.009981	0.352516	158.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/12/08	6:00	2.211	0.751	0.280	125.867	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/12/08	7:00	2.211	0.751	0.280	125.867	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/12/08	8:00	2.211	0.751	0.280	125.867	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/12/08	9:00	2.218	0.758	0.287	128.789	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/12/08	10:00	2.244	0.784	0.312	139.999	1.424	0.078	0.023773	0.010361	0.365940	164.234
9/12/08	11:00	2.272	0.812	0.340	152.705	1.429	0.083	0.025297	0.011331	0.400223	179.620
9/12/08	12:00	2.291	0.831	0.360	161.706	1.433	0.087	0.026516	0.012129	0.428377	192.256
9/12/08	13:00	2.295	0.835	0.365	163.640	1.433	0.087	0.026516	0.012129	0.428377	192.256
9/12/08	14:00	2.474	1.014	0.590	264.833	1.464	0.118	0.035965	0.018885	0.667017	299.357
9/12/08	15:00	2.558	1.098	0.719	322.657	1.502	0.156	0.047546	0.028425	1.003953	450.574
9/12/08	16:00	2.519	1.059	0.657	294.958	1.485	0.139	0.042365	0.023997	0.847577	380.392
9/12/08	17:00	2.467	1.007	0.580	260.321	1.464	0.118	0.035965	0.018885	0.667017	299.357
9/12/08	18:00	2.389	0.929	0.475	213.149	1.45	0.104	0.031698	0.015711	0.554913	249.045
9/12/08	19:00	2.357	0.897	0.435	195.412	1.445	0.099	0.030174	0.014626	0.516571	231.837
9/12/08	20:00	2.338	0.878	0.413	185.316	1.441	0.095	0.028955	0.013776	0.486564	218.370
9/12/08	21:00	2.319	0.859	0.391	175.539	1.438	0.092	0.028040	0.013150	0.464455	208.447
9/12/08	22:00	2.307	0.847	0.378	169.527	1.436	0.09	0.027431	0.012738	0.449907	201.918
9/12/08	23:00	2.298	0.838	0.368	165.100	1.433	0.087	0.026516	0.012129	0.428377	192.256
9/13/08	0:00	2.276	0.816	0.344	154.574	1.431	0.085	0.025907	0.011728	0.414220	185.902
9/13/08	1:00	2.281	0.821	0.350	156.930	1.431	0.085	0.025907	0.011728	0.414220	185.902
9/13/08	2:00	2.288	0.828	0.357	160.264	1.433	0.087	0.026516	0.012129	0.428377	192.256
9/13/08	3:00	2.279	0.819	0.348	155.985	1.433	0.087	0.026516	0.012129	0.428377	192.256
9/13/08	4:00	2.272	0.812	0.340	152.705	1.431	0.085	0.025907	0.011728	0.414220	185.902
9/13/08	5:00	2.265	0.805	0.333	149.466	1.431	0.085	0.025907	0.011728	0.414220	185.902
9/13/08	6:00	2.255	0.795	0.323	144.912	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/13/08	7:00	2.246	0.786	0.314	140.885	1.428	0.082	0.024992	0.011135	0.393285	176.506
9/13/08	8:00	2.243	0.783	0.311	139.558	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/13/08	9:00	2.236	0.776	0.304	136.490	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/13/08	10:00	2.234	0.774	0.302	135.621	1.424	0.078	0.023773	0.010361	0.365940	164.234
9/13/08	11:00	2.23	0.770	0.298	133.893	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/13/08	12:00	2.223	0.763	0.292	130.902	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/13/08	13:00	2.21	0.750	0.280	125.453	1.424	0.078	0.023773	0.010361	0.365940	164.234
9/13/08	14:00	2.199	0.739	0.269	120.950	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/13/08	15:00	2.177	0.717	0.250	112.239	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/13/08	16:00	2.163	0.703	0.238	106.898	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/13/08	17:00	2.149	0.689	0.227	101.713	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/13/08	18:00	2.144	0.684	0.223	99.898	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/13/08	19:00	2.137	0.677	0.217	97.391	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/13/08	20:00	2.145	0.685	0.223	100.260	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/13/08	21:00	2.149	0.689	0.227	101.713	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/13/08	22:00	2.158	0.698	0.234	105.029	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/13/08	23:00	2.162	0.702	0.237	106.523	1.421	0.075	0.022859	0.009792	0.345867	155.225
9/14/08	0:00	2.169	0.709	0.243	109.168	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/14/08	1:00	2.169	0.709	0.243	109.168	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/14/08	2:00	2.171	0.711	0.245	109.931	1.426	0.08	0.024383	0.010746	0.379531	170.333
9/14/08	3:00	2.175	0.715	0.248	111.467	1.425	0.079	0.024078	0.010553	0.372715	167.274
9/14/08	4:00	2.175	0.715	0.248	111.467	1.425	0.079	0.024078	0.010553	0.372715	167.274
9/14/08	5:00	2.168	0.708	0.242	108.788	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/14/08	6:00	2.173	0.713	0.247	110.697	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/14/08	7:00	2.17	0.710	0.244	109.549	1.419	0.073	0.022249	0.009420	0.332697	149.314

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/14/08	8:00	2.166	0.706	0.241	108.030	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/14/08	9:00	2.163	0.703	0.238	106.898	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/14/08	10:00	2.163	0.703	0.238	106.898	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/14/08	11:00	2.161	0.701	0.237	106.148	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/14/08	12:00	2.152	0.692	0.229	102.811	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/14/08	13:00	2.14	0.680	0.219	98.461	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/14/08	14:00	2.133	0.673	0.214	95.975	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/14/08	15:00	2.138	0.678	0.218	97.747	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	16:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/14/08	17:00	2.121	0.661	0.205	91.802	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	18:00	2.126	0.666	0.208	93.527	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	19:00	2.117	0.657	0.202	90.436	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	20:00	2.119	0.659	0.203	91.117	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	21:00	2.121	0.661	0.205	91.802	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	22:00	2.126	0.666	0.208	93.527	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/14/08	23:00	2.133	0.673	0.214	95.975	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/15/08	0:00	2.142	0.682	0.221	99.178	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/15/08	1:00	2.142	0.682	0.221	99.178	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/15/08	2:00	2.145	0.685	0.223	100.260	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/15/08	3:00	2.152	0.692	0.229	102.811	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/15/08	4:00	2.155	0.695	0.232	103.916	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/15/08	5:00	2.157	0.697	0.233	104.657	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/15/08	6:00	2.155	0.695	0.232	103.916	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/15/08	7:00	2.157	0.697	0.233	104.657	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/15/08	8:00	2.158	0.698	0.234	105.029	1.41	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/15/08	9:00	2.16	0.700	0.236	105.774	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/15/08	10:00	2.162	0.702	0.237	106.523	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/15/08	11:00	2.161	0.701	0.237	106.148	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/15/08	12:00	2.142	0.682	0.221	99.178	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/15/08	13:00	2.157	0.697	0.233	104.657	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/15/08	14:00	2.15	0.690	0.227	102.078	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/15/08	15:00	2.132	0.672	0.213	95.623	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/15/08	16:00	2.123	0.663	0.206	92.490	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/15/08	17:00	2.114	0.654	0.199	89.419	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/15/08	18:00	2.109	0.649	0.195	87.740	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/15/08	19:00	2.116	0.656	0.201	90.096	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/15/08	20:00	2.12	0.660	0.204	91.459	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/15/08	21:00	2.134	0.674	0.215	96.328	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/15/08	22:00	2.15	0.690	0.227	102.078	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/15/08	23:00	2.161	0.701	0.237	106.148	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/16/08	0:00	2.168	0.708	0.242	108.788	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/16/08	1:00	2.189	0.729	0.261	116.942	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/16/08	2:00	2.192	0.732	0.263	118.136	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/16/08	3:00	2.194	0.734	0.265	118.936	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/16/08	4:00	2.199	0.739	0.269	120.950	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/16/08	5:00	2.199	0.739	0.269	120.950	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/16/08	6:00	2.211	0.751	0.280	125.867	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/16/08	7:00	2.213	0.753	0.282	126.698	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/16/08	8:00	2.213	0.753	0.282	126.698	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/16/08	9:00	2.22	0.760	0.289	129.632	1.411	0.065	0.019811	0.007977	0.281754	126.451

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/16/08	10:00	2.222	0.762	0.291	130.478	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/16/08	11:00	2.217	0.757	0.286	128.369	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/16/08	12:00	2.208	0.748	0.278	124.627	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/16/08	13:00	2.195	0.735	0.266	119.337	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/16/08	14:00	2.18	0.720	0.253	113.404	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/16/08	15:00	2.167	0.707	0.242	108.408	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/16/08	16:00	2.158	0.698	0.234	105.029	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/16/08	17:00	2.152	0.692	0.229	102.811	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/16/08	18:00	2.149	0.689	0.227	101.713	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/16/08	19:00	2.155	0.695	0.232	103.916	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/16/08	20:00	2.163	0.703	0.238	106.898	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/16/08	21:00	2.179	0.719	0.252	113.015	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/16/08	22:00	2.193	0.733	0.264	118.536	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/16/08	23:00	2.213	0.753	0.282	126.698	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/17/08	0:00	2.216	0.756	0.285	127.950	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/17/08	1:00	2.218	0.758	0.287	128.789	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/17/08	2:00	2.229	0.769	0.297	133.464	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/17/08	3:00	2.232	0.772	0.300	134.756	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/17/08	4:00	2.243	0.783	0.311	139.558	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/17/08	5:00	2.239	0.779	0.307	137.800	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/17/08	6:00	2.241	0.781	0.309	138.677	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/17/08	7:00	2.25	0.790	0.318	142.666	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/17/08	8:00	2.25	0.790	0.318	142.666	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/17/08	9:00	2.255	0.795	0.323	144.912	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/17/08	10:00	2.264	0.804	0.332	149.007	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/17/08	11:00	2.26	0.800	0.328	147.178	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/17/08	12:00	2.242	0.782	0.310	139.117	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/17/08	13:00	2.229	0.769	0.297	133.464	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/17/08	14:00	2.209	0.749	0.279	125.039	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/17/08	15:00	2.196	0.736	0.267	119.739	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/17/08	16:00	2.187	0.727	0.259	116.150	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/17/08	17:00	2.183	0.723	0.255	114.576	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/17/08	18:00	2.182	0.722	0.254	114.185	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/17/08	19:00	2.188	0.728	0.260	116.546	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/17/08	20:00	2.194	0.734	0.265	118.936	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/17/08	21:00	2.205	0.745	0.275	123.394	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/17/08	22:00	2.221	0.761	0.290	130.054	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/17/08	23:00	2.23	0.770	0.298	133.893	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/18/08	0:00	2.232	0.772	0.300	134.756	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	1:00	2.237	0.777	0.305	136.926	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	2:00	2.246	0.786	0.314	140.885	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	3:00	2.255	0.795	0.323	144.912	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	4:00	2.26	0.800	0.328	147.178	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/18/08	5:00	2.267	0.807	0.335	150.387	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/18/08	6:00	2.267	0.807	0.335	150.387	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/18/08	7:00	2.267	0.807	0.335	150.387	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	8:00	2.269	0.809	0.337	151.312	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/18/08	9:00	2.269	0.809	0.337	151.312	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/18/08	10:00	2.271	0.811	0.339	152.239	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	11:00	2.269	0.809	0.337	151.312	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/18/08	12:00	2.26	0.800	0.328	147.178	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/18/08	13:00	2.247	0.787	0.315	141.329	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/18/08	14:00	2.232	0.772	0.300	134.756	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/18/08	15:00	2.221	0.761	0.290	130.054	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/18/08	16:00	2.21	0.750	0.280	125.453	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/18/08	17:00	2.045	0.585	0.151	67.905	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/18/08	18:00	2.05	0.590	0.155	69.346	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/18/08	19:00	2.054	0.594	0.157	70.511	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/18/08	20:00	2.065	0.605	0.164	73.777	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/18/08	21:00	2.073	0.613	0.170	76.208	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/18/08	22:00	2.085	0.625	0.178	79.944	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/18/08	23:00	2.096	0.636	0.186	83.463	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/19/08	0:00	2.103	0.643	0.191	85.750	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/19/08	1:00	2.1	0.640	0.189	84.765	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/19/08	2:00	2.112	0.652	0.198	88.745	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/19/08	3:00	2.114	0.654	0.199	89.419	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/19/08	4:00	2.114	0.654	0.199	89.419	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/19/08	5:00	2.119	0.659	0.203	91.117	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/19/08	6:00	2.123	0.663	0.206	92.490	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/19/08	7:00	2.128	0.668	0.210	94.223	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/19/08	8:00	2.126	0.666	0.208	93.527	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/19/08	9:00	2.131	0.671	0.212	95.272	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/19/08	10:00	2.128	0.668	0.210	94.223	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/19/08	11:00	2.133	0.673	0.214	95.975	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/19/08	12:00	2.119	0.659	0.203	91.117	1.414	0.068	0.020725	0.008509	0.300526	134.876

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/19/08	13:00	2.099	0.639	0.188	84.439	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/19/08	14:00	2.09	0.630	0.182	81.532	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/19/08	15:00	2.081	0.621	0.175	78.687	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/19/08	16:00	2.068	0.608	0.166	74.683	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/19/08	17:00	2.064	0.604	0.164	73.477	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/19/08	18:00	2.059	0.599	0.160	71.985	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/19/08	19:00	2.061	0.601	0.162	72.579	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/19/08	20:00	2.069	0.609	0.167	74.987	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/19/08	21:00	2.08	0.620	0.175	78.375	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/19/08	22:00	2.089	0.629	0.181	81.213	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/19/08	23:00	2.096	0.636	0.186	83.463	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/20/08	0:00	2.107	0.647	0.194	87.074	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	1:00	2.112	0.652	0.198	88.745	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	2:00	2.117	0.657	0.202	90.436	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	3:00	2.119	0.659	0.203	91.117	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/20/08	4:00	2.112	0.652	0.198	88.745	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/20/08	5:00	2.116	0.656	0.201	90.096	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/20/08	6:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	7:00	2.123	0.663	0.206	92.490	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	8:00	2.126	0.666	0.208	93.527	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/20/08	9:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/20/08	10:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	11:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	12:00	2.117	0.657	0.202	90.436	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/20/08	13:00	2.104	0.644	0.192	86.080	1.411	0.065	0.019811	0.007977	0.281754	126.451

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/20/08	14:00	2.086	0.626	0.179	80.260	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/20/08	15:00	2.07	0.610	0.168	75.291	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/20/08	16:00	2.059	0.599	0.160	71.985	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/20/08	17:00	2.052	0.592	0.156	69.927	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/20/08	18:00	2.05	0.590	0.155	69.346	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/20/08	19:00	2.051	0.591	0.155	69.636	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/20/08	20:00	2.058	0.598	0.160	71.689	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/20/08	21:00	2.073	0.613	0.170	76.208	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/20/08	22:00	2.085	0.625	0.178	79.944	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/20/08	23:00	2.091	0.631	0.182	81.852	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/21/08	0:00	2.094	0.634	0.185	82.817	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/21/08	1:00	2.1	0.640	0.189	84.765	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/21/08	2:00	2.105	0.645	0.193	86.410	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/21/08	3:00	2.109	0.649	0.195	87.740	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/21/08	4:00	2.119	0.659	0.203	91.117	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/21/08	5:00	2.121	0.661	0.205	91.802	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/21/08	6:00	2.116	0.656	0.201	90.096	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/21/08	7:00	2.121	0.661	0.205	91.802	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/21/08	8:00	2.119	0.659	0.203	91.117	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/21/08	9:00	2.121	0.661	0.205	91.802	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/21/08	10:00	2.121	0.661	0.205	91.802	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/21/08	11:00	2.121	0.661	0.205	91.802	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/21/08	12:00	2.117	0.657	0.202	90.436	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/21/08	13:00	2.104	0.644	0.192	86.080	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/21/08	14:00	2.088	0.628	0.180	80.895	1.41	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/21/08	15:00	2.084	0.624	0.177	79.629	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/21/08	16:00	2.066	0.606	0.165	74.079	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/21/08	17:00	2.059	0.599	0.160	71.985	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/21/08	18:00	2.059	0.599	0.160	71.985	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/21/08	19:00	2.06	0.600	0.161	72.282	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/21/08	20:00	2.065	0.605	0.164	73.777	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/21/08	21:00	2.076	0.616	0.172	77.132	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/21/08	22:00	2.087	0.627	0.180	80.577	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/21/08	23:00	2.096	0.636	0.186	83.463	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/22/08	0:00	2.098	0.638	0.187	84.113	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/22/08	1:00	2.108	0.648	0.195	87.406	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/22/08	2:00	2.11	0.650	0.196	88.074	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/22/08	3:00	2.112	0.652	0.198	88.745	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/22/08	4:00	2.114	0.654	0.199	89.419	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/22/08	5:00	2.133	0.673	0.214	95.975	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/22/08	6:00	2.147	0.687	0.225	100.985	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/22/08	7:00	2.164	0.704	0.239	107.275	1.42	0.074	0.022554	0.009605	0.339261	152.260
9/22/08	8:00	2.196	0.736	0.267	119.739	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/22/08	9:00	2.46	1.000	0.570	255.855	1.467	0.121	0.036879	0.019590	0.691921	310.534
9/22/08	10:00	2.401	0.941	0.490	220.040	1.455	0.109	0.033222	0.016822	0.594159	266.658
9/22/08	11:00	2.288	0.828	0.357	160.264	1.436	0.09	0.027431	0.012738	0.449907	201.918
9/22/08	12:00	2.22	0.760	0.289	129.632	1.424	0.078	0.023773	0.010361	0.365940	164.234
9/22/08	13:00	2.186	0.726	0.258	115.756	1.422	0.076	0.023164	0.009981	0.352516	158.209
9/22/08	14:00	2.156	0.696	0.232	104.286	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/22/08	15:00	2.133	0.673	0.214	95.975	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/22/08	16:00	2.12	0.660	0.204	91.459	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/22/08	17:00	2.113	0.653	0.198	89.082	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/22/08	18:00	2.106	0.646	0.193	86.742	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/22/08	19:00	2.1	0.640	0.189	84.765	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/22/08	20:00	2.109	0.649	0.195	87.740	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/22/08	21:00	2.113	0.653	0.198	89.082	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/22/08	22:00	2.113	0.653	0.198	89.082	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/22/08	23:00	2.115	0.655	0.200	89.757	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/23/08	0:00	2.131	0.671	0.212	95.272	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/23/08	1:00	2.129	0.669	0.211	94.572	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/23/08	2:00	2.136	0.676	0.216	97.036	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/23/08	3:00	2.143	0.683	0.222	99.538	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/23/08	4:00	2.145	0.685	0.223	100.260	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/23/08	5:00	2.152	0.692	0.229	102.811	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/23/08	6:00	2.154	0.694	0.231	103.547	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/23/08	7:00	2.164	0.704	0.239	107.275	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/23/08	8:00	2.128	0.668	0.210	94.223	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/23/08	9:00	2.133	0.673	0.214	95.975	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/23/08	10:00	2.131	0.671	0.212	95.272	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/23/08	11:00	2.124	0.664	0.207	92.835	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/23/08	12:00	2.106	0.646	0.193	86.742	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/23/08	13:00	2.102	0.642	0.190	85.421	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/23/08	14:00	2.091	0.631	0.182	81.852	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/23/08	15:00	2.086	0.626	0.179	80.260	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/23/08	16:00	2.102	0.642	0.190	85.421	1.411	0.065	0.019811	0.007977	0.281754	126.451

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/23/08	17:00	2.133	0.673	0.214	95.975	1.418	0.072	0.021945	0.009235	0.326176	146.388
9/23/08	18:00	2.144	0.684	0.223	99.898	1.421	0.075	0.022859	0.009792	0.345867	155.225
9/23/08	19:00	2.153	0.693	0.230	103.179	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/23/08	20:00	2.151	0.691	0.228	102.444	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/23/08	21:00	2.148	0.688	0.226	101.348	1.419	0.073	0.022249	0.009420	0.332697	149.314
9/23/08	22:00	2.138	0.678	0.218	97.747	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/23/08	23:00	2.141	0.681	0.220	98.819	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/24/08	0:00	2.143	0.683	0.222	99.538	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/24/08	1:00	2.14	0.680	0.219	98.461	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/24/08	2:00	2.135	0.675	0.215	96.681	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/24/08	3:00	2.135	0.675	0.215	96.681	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/24/08	4:00	2.135	0.675	0.215	96.681	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/24/08	5:00	2.14	0.680	0.219	98.461	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/24/08	6:00	2.145	0.685	0.223	100.260	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	7:00	2.142	0.682	0.221	99.178	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	8:00	2.142	0.682	0.221	99.178	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	9:00	2.147	0.687	0.225	100.985	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/24/08	10:00	2.145	0.685	0.223	100.260	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/24/08	11:00	2.147	0.687	0.225	100.985	1.417	0.071	0.021640	0.009052	0.319698	143.480
9/24/08	12:00	2.136	0.676	0.216	97.036	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	13:00	2.132	0.672	0.213	95.623	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/24/08	14:00	2.128	0.668	0.210	94.223	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	15:00	2.117	0.657	0.202	90.436	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	16:00	2.106	0.646	0.193	86.742	1.415	0.069	0.021030	0.008688	0.306873	137.724
9/24/08	17:00	2.097	0.637	0.187	83.788	1.409	0.063	0.019201	0.007629	0.269465	120.936

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/24/08	18:00	2.085	0.625	0.178	79.944	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/24/08	19:00	2.079	0.619	0.174	78.063	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/24/08	20:00	2.083	0.623	0.177	79.314	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/24/08	21:00	2.09	0.630	0.182	81.532	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/24/08	22:00	2.099	0.639	0.188	84.439	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/24/08	23:00	2.106	0.646	0.193	86.742	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/25/08	0:00	2.115	0.655	0.200	89.757	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/25/08	1:00	2.122	0.662	0.205	92.146	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/25/08	2:00	2.119	0.659	0.203	91.117	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/25/08	3:00	2.124	0.664	0.207	92.835	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/25/08	4:00	2.126	0.666	0.208	93.527	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/25/08	5:00	2.131	0.671	0.212	95.272	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/25/08	6:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/25/08	7:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/25/08	8:00	2.135	0.675	0.215	96.681	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/25/08	9:00	2.138	0.678	0.218	97.747	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/25/08	10:00	2.14	0.680	0.219	98.461	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/25/08	11:00	2.131	0.671	0.212	95.272	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/25/08	12:00	2.115	0.655	0.200	89.757	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/25/08	13:00	2.109	0.649	0.195	87.740	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/25/08	14:00	2.096	0.636	0.186	83.463	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/25/08	15:00	2.087	0.627	0.180	80.577	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/25/08	16:00	2.076	0.616	0.172	77.132	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/25/08	17:00	2.072	0.612	0.169	75.902	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/25/08	18:00	2.069	0.609	0.167	74.987	1.405	0.059	0.017982	0.006949	0.245443	110.155

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/25/08	19:00	2.071	0.611	0.168	75.596	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/25/08	20:00	2.07	0.610	0.168	75.291	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/25/08	21:00	2.076	0.616	0.172	77.132	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/25/08	22:00	2.085	0.625	0.178	79.944	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/25/08	23:00	2.094	0.634	0.185	82.817	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/26/08	0:00	2.096	0.636	0.186	83.463	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/26/08	1:00	2.105	0.645	0.193	86.410	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/26/08	2:00	2.11	0.650	0.196	88.074	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/26/08	3:00	2.114	0.654	0.199	89.419	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/26/08	4:00	2.119	0.659	0.203	91.117	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/26/08	5:00	2.126	0.666	0.208	93.527	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/26/08	6:00	2.124	0.664	0.207	92.835	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/26/08	7:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/26/08	8:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/26/08	9:00	2.126	0.666	0.208	93.527	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/26/08	10:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/26/08	11:00	2.126	0.666	0.208	93.527	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/26/08	12:00	2.113	0.653	0.198	89.082	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/26/08	13:00	2.095	0.635	0.185	83.140	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/26/08	14:00	2.086	0.626	0.179	80.260	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/26/08	15:00	2.07	0.610	0.168	75.291	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/26/08	16:00	2.062	0.602	0.162	72.878	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/26/08	17:00	2.052	0.592	0.156	69.927	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/26/08	18:00	2.05	0.590	0.155	69.346	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/26/08	19:00	2.052	0.592	0.156	69.927	1.403	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/26/08	20:00	2.058	0.598	0.160	71.689	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/26/08	21:00	2.067	0.607	0.166	74.381	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/26/08	22:00	2.076	0.616	0.172	77.132	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/26/08	23:00	2.085	0.625	0.178	79.944	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/27/08	0:00	2.092	0.632	0.183	82.173	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/27/08	1:00	2.096	0.636	0.186	83.463	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/27/08	2:00	2.103	0.643	0.191	85.750	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/27/08	3:00	2.107	0.647	0.194	87.074	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/27/08	4:00	2.11	0.650	0.196	88.074	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/27/08	5:00	2.112	0.652	0.198	88.745	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/27/08	6:00	2.114	0.654	0.199	89.419	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/27/08	7:00	2.119	0.659	0.203	91.117	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/27/08	8:00	2.116	0.656	0.201	90.096	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/27/08	9:00	2.121	0.661	0.205	91.802	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/27/08	10:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593
9/27/08	11:00	2.128	0.668	0.210	94.223	1.413	0.067	0.020421	0.008330	0.294224	132.048
9/27/08	12:00	2.124	0.664	0.207	92.835	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/27/08	13:00	2.113	0.653	0.198	89.082	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/27/08	14:00	2.102	0.642	0.190	85.421	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/27/08	15:00	2.095	0.635	0.185	83.140	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/27/08	16:00	2.091	0.631	0.182	81.852	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/27/08	17:00	2.082	0.622	0.176	79.000	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/27/08	18:00	2.072	0.612	0.169	75.902	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/27/08	19:00	2.07	0.610	0.168	75.291	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/27/08	20:00	2.071	0.611	0.168	75.596	1.403	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/27/08	21:00	2.078	0.618	0.173	77.752	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/27/08	22:00	2.085	0.625	0.178	79.944	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/27/08	23:00	2.087	0.627	0.180	80.577	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/28/08	0:00	2.098	0.638	0.187	84.113	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/28/08	1:00	2.1	0.640	0.189	84.765	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	2:00	2.109	0.649	0.195	87.740	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	3:00	2.109	0.649	0.195	87.740	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	4:00	2.116	0.656	0.201	90.096	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/28/08	5:00	2.119	0.659	0.203	91.117	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/28/08	6:00	2.128	0.668	0.210	94.223	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/28/08	7:00	2.123	0.663	0.206	92.490	1.408	0.062	0.018897	0.007457	0.263390	118.209
9/28/08	8:00	2.124	0.664	0.207	92.835	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	9:00	2.126	0.666	0.208	93.527	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	10:00	2.128	0.668	0.210	94.223	1.41	0.064	0.019506	0.007803	0.275587	123.683
9/28/08	11:00	2.123	0.663	0.206	92.490	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	12:00	2.121	0.661	0.205	91.802	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	13:00	2.115	0.655	0.200	89.757	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	14:00	2.106	0.646	0.193	86.742	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/28/08	15:00	2.097	0.637	0.187	83.788	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/28/08	16:00	2.084	0.624	0.177	79.629	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/28/08	17:00	2.079	0.619	0.174	78.063	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/28/08	18:00	2.082	0.622	0.176	79.000	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/28/08	19:00	2.077	0.617	0.173	77.442	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/28/08	20:00	2.081	0.621	0.175	78.687	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/28/08	21:00	2.085	0.625	0.178	79.944	1.404	0.058	0.017678	0.006782	0.239555	107.512

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/28/08	22:00	2.089	0.629	0.181	81.213	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/28/08	23:00	2.085	0.625	0.178	79.944	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/29/08	0:00	2.108	0.648	0.195	87.406	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/29/08	1:00	2.112	0.652	0.198	88.745	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/29/08	2:00	2.124	0.664	0.207	92.835	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/29/08	3:00	2.136	0.676	0.216	97.036	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/29/08	4:00	2.138	0.678	0.218	97.747	1.412	0.066	0.020116	0.008153	0.287966	129.239
9/29/08	5:00	2.138	0.678	0.218	97.747	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/29/08	6:00	2.145	0.685	0.223	100.260	1.414	0.068	0.020725	0.008509	0.300526	134.876
9/29/08	7:00	2.138	0.678	0.218	97.747	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/29/08	8:00	2.133	0.673	0.214	95.975	1.411	0.065	0.019811	0.007977	0.281754	126.451
9/29/08	9:00	2.128	0.668	0.210	94.223	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/29/08	10:00	2.131	0.671	0.212	95.272	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/29/08	11:00	2.126	0.666	0.208	93.527	1.409	0.063	0.019201	0.007629	0.269465	120.936
9/29/08	12:00	2.124	0.664	0.207	92.835	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/29/08	13:00	2.105	0.645	0.193	86.410	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/29/08	14:00	2.103	0.643	0.191	85.750	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/29/08	15:00	2.097	0.637	0.187	83.788	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/29/08	16:00	2.085	0.625	0.178	79.944	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/29/08	17:00	2.073	0.613	0.170	76.208	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/29/08	18:00	2.071	0.611	0.168	75.596	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/29/08	19:00	2.066	0.606	0.165	74.079	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/29/08	20:00	2.068	0.608	0.166	74.683	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/29/08	21:00	2.074	0.614	0.170	76.516	1.402	0.056	0.017068	0.006453	0.227923	102.292
9/29/08	22:00	2.081	0.621	0.175	78.687	1.404	0.058	0.017678	0.006782	0.239555	107.512

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
9/29/08	23:00	2.088	0.628	0.180	80.895	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/30/08	0:00	2.095	0.635	0.185	83.140	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/30/08	1:00	2.102	0.642	0.190	85.421	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/30/08	2:00	2.107	0.647	0.194	87.074	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/30/08	3:00	2.11	0.650	0.196	88.074	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/30/08	4:00	2.112	0.652	0.198	88.745	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/30/08	5:00	2.114	0.654	0.199	89.419	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/30/08	6:00	2.119	0.659	0.203	91.117	1.404	0.058	0.017678	0.006782	0.239555	107.512
9/30/08	7:00	2.119	0.659	0.203	91.117	1.406	0.06	0.018287	0.007117	0.251378	112.818
9/30/08	8:00	2.117	0.657	0.202	90.436	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/30/08	9:00	2.122	0.662	0.205	92.146	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/30/08	10:00	2.126	0.666	0.208	93.527	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/30/08	11:00	2.126	0.666	0.208	93.527	1.407	0.061	0.018592	0.007287	0.257360	115.503
9/30/08	12:00	2.121	0.661	0.205	91.802	1.405	0.059	0.017982	0.006949	0.245443	110.155
9/30/08	13:00	2.112	0.652	0.198	88.745	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/30/08	14:00	2.109	0.649	0.195	87.740	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/30/08	15:00	2.098	0.638	0.187	84.113	1.403	0.057	0.017373	0.006617	0.233715	104.891
9/30/08	16:00	2.091	0.631	0.182	81.852	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/30/08	17:00	2.08	0.620	0.175	78.375	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/30/08	18:00	2.075	0.615	0.171	76.824	1.399	0.053	0.016154	0.005969	0.210842	94.626
9/30/08	19:00	2.068	0.608	0.166	74.683	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/30/08	20:00	2.07	0.610	0.168	75.291	1.399	0.053	0.016154	0.005969	0.210842	94.626
9/30/08	21:00	2.079	0.619	0.174	78.063	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/30/08	22:00	2.086	0.626	0.179	80.260	1.401	0.055	0.016763	0.006291	0.222180	99.714
9/30/08	23:00	2.093	0.633	0.184	82.494	1.404	0.058	0.017678	0.006782	0.239555	107.512

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/1/08	0:00	2.1	0.640	0.189	84.765	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/1/08	1:00	2.105	0.645	0.193	86.410	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/1/08	2:00	2.109	0.649	0.195	87.740	1.403	0.057	0.017373	0.006617	0.233715	104.891
10/1/08	3:00	2.109	0.649	0.195	87.740	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/1/08	4:00	2.117	0.657	0.202	90.436	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/1/08	5:00	2.119	0.659	0.203	91.117	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/1/08	6:00	2.114	0.654	0.199	89.419	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/1/08	7:00	2.117	0.657	0.202	90.436	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/1/08	8:00	2.115	0.655	0.200	89.757	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/1/08	9:00	2.119	0.659	0.203	91.117	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/1/08	10:00	2.122	0.662	0.205	92.146	1.407	0.061	0.018592	0.007287	0.257360	115.503
10/1/08	11:00	2.119	0.659	0.203	91.117	1.407	0.061	0.018592	0.007287	0.257360	115.503
10/1/08	12:00	2.109	0.649	0.195	87.740	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/1/08	13:00	2.105	0.645	0.193	86.410	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/1/08	14:00	2.091	0.631	0.182	81.852	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/1/08	15:00	2.086	0.626	0.179	80.260	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/1/08	16:00	2.082	0.622	0.176	79.000	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/1/08	17:00	2.079	0.619	0.174	78.063	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/1/08	18:00	2.077	0.617	0.173	77.442	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/1/08	19:00	2.07	0.610	0.168	75.291	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/1/08	20:00	2.077	0.617	0.173	77.442	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/1/08	21:00	2.076	0.616	0.172	77.132	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/1/08	22:00	2.086	0.626	0.179	80.260	1.403	0.057	0.017373	0.006617	0.233715	104.891
10/1/08	23:00	2.098	0.638	0.187	84.113	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/2/08	0:00	2.1	0.640	0.189	84.765	1.405	0.059	0.017982	0.006949	0.245443	110.155

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/2/08	1:00	2.105	0.645	0.193	86.410	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/2/08	2:00	2.107	0.647	0.194	87.074	1.405	0.059	0.017982	0.006949	0.245443	110.155
10/2/08	3:00	2.11	0.650	0.196	88.074	1.407	0.061	0.018592	0.007287	0.257360	115.503
10/2/08	4:00	2.122	0.662	0.205	92.146	1.407	0.061	0.018592	0.007287	0.257360	115.503
10/2/08	5:00	2.124	0.664	0.207	92.835	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	6:00	2.124	0.664	0.207	92.835	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	7:00	2.122	0.662	0.205	92.146	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	8:00	2.122	0.662	0.205	92.146	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	9:00	2.125	0.665	0.208	93.181	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	10:00	2.129	0.669	0.211	94.572	1.408	0.062	0.018897	0.007457	0.263390	118.209
10/2/08	11:00	2.129	0.669	0.211	94.572	1.408	0.062	0.018897	0.007457	0.263390	118.209
10/2/08	12:00	2.124	0.664	0.207	92.835	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	13:00	2.116	0.656	0.201	90.096	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/2/08	14:00	2.105	0.645	0.193	86.410	1.403	0.057	0.017373	0.006617	0.233715	104.891
10/2/08	15:00	2.095	0.635	0.185	83.140	1.403	0.057	0.017373	0.006617	0.233715	104.891
10/2/08	16:00	2.091	0.631	0.182	81.852	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/2/08	17:00	2.133	0.673	0.214	95.975	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/2/08	18:00	2.129	0.669	0.211	94.572	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/2/08	19:00	2.131	0.671	0.212	95.272	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/2/08	20:00	2.131	0.671	0.212	95.272	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/2/08	21:00	2.135	0.675	0.215	96.681	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/2/08	22:00	2.142	0.682	0.221	99.178	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/2/08	23:00	2.145	0.685	0.223	100.260	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/3/08	0:00	2.149	0.689	0.227	101.713	1.407	0.061	0.018592	0.007287	0.257360	115.503
10/3/08	1:00	2.154	0.694	0.231	103.547	1.407	0.061	0.018592	0.007287	0.257360	115.503

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/3/08	2:00	2.154	0.694	0.231	103.547	1.409	0.063	0.019201	0.007629	0.269465	120.936
10/3/08	3:00	2.168	0.708	0.242	108.788	1.407	0.061	0.018592	0.007287	0.257360	115.503
10/3/08	4:00	2.168	0.708	0.242	108.788	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/3/08	5:00	2.161	0.701	0.237	106.148	1.399	0.053	0.016154	0.005969	0.210842	94.626
10/3/08	6:00	2.159	0.699	0.235	105.401	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/3/08	7:00	2.155	0.695	0.232	103.916	1.41	0.064	0.019506	0.007803	0.275587	123.683
10/3/08	8:00	2.157	0.697	0.233	104.657	1.41	0.064	0.019506	0.007803	0.275587	123.683
10/3/08	9:00	2.159	0.699	0.235	105.401	1.41	0.064	0.019506	0.007803	0.275587	123.683
10/3/08	10:00	2.162	0.702	0.237	106.523	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/3/08	11:00	2.159	0.699	0.235	105.401	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/3/08	12:00	2.279	0.819	0.348	155.985	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/3/08	13:00	2.161	0.701	0.237	106.148	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/3/08	14:00	2.152	0.692	0.229	102.811	1.394	0.048	0.014630	0.005192	0.183377	82.300
10/3/08	15:00	2.141	0.681	0.220	98.819	1.394	0.048	0.014630	0.005192	0.183377	82.300
10/3/08	16:00	2.134	0.674	0.215	96.328	1.392	0.046	0.014020	0.004891	0.172754	77.532
10/3/08	17:00	2.132	0.672	0.213	95.623	1.392	0.046	0.014020	0.004891	0.172754	77.532
10/3/08	18:00	2.073	0.613	0.170	76.208	1.39	0.044	0.013411	0.004596	0.162345	72.860
10/3/08	19:00	2.07	0.610	0.168	75.291	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/3/08	20:00	2.07	0.610	0.168	75.291	1.391	0.045	0.013715	0.004743	0.167523	75.184
10/3/08	21:00	2.077	0.617	0.173	77.442	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/3/08	22:00	2.081	0.621	0.175	78.687	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/3/08	23:00	2.088	0.628	0.180	80.895	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/4/08	0:00	2.093	0.633	0.184	82.494	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/4/08	1:00	2.095	0.635	0.185	83.140	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/4/08	2:00	2.102	0.642	0.190	85.421	1.398	0.052	0.015849	0.005811	0.205247	92.115

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/4/08	3:00	2.1	0.640	0.189	84.765	1.395	0.049	0.014934	0.005345	0.188768	84.719
10/4/08	4:00	2.102	0.642	0.190	85.421	1.398	0.052	0.015849	0.005811	0.205247	92.115
10/4/08	5:00	2.121	0.661	0.205	91.802	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/4/08	6:00	2.128	0.668	0.210	94.223	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/4/08	7:00	2.145	0.685	0.223	100.260	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/4/08	8:00	2.138	0.678	0.218	97.747	1.399	0.053	0.016154	0.005969	0.210842	94.626
10/4/08	9:00	2.14	0.680	0.219	98.461	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/4/08	10:00	2.14	0.680	0.219	98.461	1.399	0.053	0.016154	0.005969	0.210842	94.626
10/4/08	11:00	2.14	0.680	0.219	98.461	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/4/08	12:00	2.135	0.675	0.215	96.681	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/4/08	13:00	2.124	0.664	0.207	92.835	1.392	0.046	0.014020	0.004891	0.172754	77.532
10/4/08	14:00	2.114	0.654	0.199	89.419	1.395	0.049	0.014934	0.005345	0.188768	84.719
10/4/08	15:00	2.105	0.645	0.193	86.410	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/4/08	16:00	2.091	0.631	0.182	81.852	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/4/08	17:00	2.087	0.627	0.180	80.577	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/4/08	18:00	2.08	0.620	0.175	78.375	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/4/08	19:00	2.084	0.624	0.177	79.629	1.391	0.045	0.013715	0.004743	0.167523	75.184
10/4/08	20:00	2.082	0.622	0.176	79.000	1.393	0.047	0.014325	0.005041	0.178040	79.904
10/4/08	21:00	2.086	0.626	0.179	80.260	1.394	0.048	0.014630	0.005192	0.183377	82.300
10/4/08	22:00	2.096	0.636	0.186	83.463	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/4/08	23:00	2.1	0.640	0.189	84.765	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	0:00	2.107	0.647	0.194	87.074	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	1:00	2.107	0.647	0.194	87.074	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	2:00	2.112	0.652	0.198	88.745	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	3:00	2.126	0.666	0.208	93.527	1.398	0.052	0.015849	0.005811	0.205247	92.115

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/5/08	4:00	2.131	0.671	0.212	95.272	1.398	0.052	0.015849	0.005811	0.205247	92.115
10/5/08	5:00	2.098	0.638	0.187	84.113	1.41	0.064	0.019506	0.007803	0.275587	123.683
10/5/08	6:00	2.098	0.638	0.187	84.113	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/5/08	7:00	2.102	0.642	0.190	85.421	1.401	0.055	0.016763	0.006291	0.222180	99.714
10/5/08	8:00	2.1	0.640	0.189	84.765	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/5/08	9:00	2.102	0.642	0.190	85.421	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/5/08	10:00	2.114	0.654	0.199	89.419	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/5/08	11:00	2.107	0.647	0.194	87.074	1.403	0.057	0.017373	0.006617	0.233715	104.891
10/5/08	12:00	2.107	0.647	0.194	87.074	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/5/08	13:00	2.084	0.624	0.177	79.629	1.398	0.052	0.015849	0.005811	0.205247	92.115
10/5/08	14:00	2.075	0.615	0.171	76.824	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	15:00	2.059	0.599	0.160	71.985	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	16:00	2.055	0.595	0.158	70.805	1.396	0.05	0.015239	0.005499	0.194210	87.161
10/5/08	17:00	2.047	0.587	0.153	68.479	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/5/08	18:00	2.043	0.583	0.150	67.334	1.394	0.048	0.014630	0.005192	0.183377	82.300
10/5/08	19:00	2.043	0.583	0.150	67.334	1.395	0.049	0.014934	0.005345	0.188768	84.719
10/5/08	20:00	2.042	0.582	0.149	67.049	1.395	0.049	0.014934	0.005345	0.188768	84.719
10/5/08	21:00	2.047	0.587	0.153	68.479	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/5/08	22:00	2.051	0.591	0.155	69.636	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/5/08	23:00	2.051	0.591	0.155	69.636	1.397	0.051	0.015544	0.005654	0.199703	89.627
10/6/08	0:00	2.051	0.591	0.155	69.636	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/6/08	1:00	2.06	0.600	0.161	72.282	1.4	0.054	0.016458	0.006129	0.216486	97.159
10/6/08	2:00	2.058	0.598	0.160	71.689	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/6/08	3:00	2.058	0.598	0.160	71.689	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	4:00	2.051	0.591	0.155	69.636	1.404	0.058	0.017678	0.006782	0.239555	107.512

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/6/08	5:00	2.048	0.588	0.153	68.767	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	6:00	2.046	0.586	0.152	68.192	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	7:00	2.027	0.567	0.140	62.868	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	8:00	2.03	0.570	0.142	63.691	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	9:00	2.03	0.570	0.142	63.691	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	10:00	2.044	0.584	0.151	67.619	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	11:00	2.039	0.579	0.148	66.200	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/6/08	12:00	2.034	0.574	0.144	64.799	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/6/08	13:00	2.03	0.570	0.142	63.691	1.406	0.06	0.018287	0.007117	0.251378	112.818
10/6/08	14:00	2.014	0.554	0.132	59.374	1.404	0.058	0.017678	0.006782	0.239555	107.512
10/6/08	15:00	2.002	0.542	0.125	56.255	1.402	0.056	0.017068	0.006453	0.227923	102.292
10/6/08	16:00	2.188	0.728	0.260	116.546	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/6/08	17:00	2.462	1.002	0.573	257.127	1.621	0.275	0.083816	0.065650	2.318754	1040.657
10/6/08	18:00	2.495	1.035	0.621	278.649	1.532	0.186	0.056690	0.036823	1.300599	583.709
10/6/08	19:00	2.441	0.981	0.544	243.967	1.478	0.132	0.040232	0.022248	0.785797	352.665
10/6/08	20:00	2.406	0.946	0.497	222.950	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/6/08	21:00	2.377	0.917	0.460	206.389	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/6/08	22:00	2.344	0.884	0.420	188.469	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/6/08	23:00	2.328	0.868	0.401	180.130	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/7/08	0:00	2.312	0.852	0.383	172.017	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/7/08	1:00	2.314	0.854	0.386	173.019	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/7/08	2:00	2.422	0.962	0.518	232.417	1.482	0.136	0.041451	0.023242	0.820909	368.424
10/7/08	3:00	2.488	1.028	0.611	273.997	1.565	0.219	0.066748	0.046864	1.655212	742.859
10/7/08	4:00	2.506	1.046	0.637	286.055	1.56	0.214	0.065224	0.045291	1.599669	717.932
10/7/08	5:00	2.443	0.983	0.546	245.203	1.489	0.143	0.043584	0.025016	0.883573	396.548

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/7/08	6:00	2.412	0.952	0.505	226.473	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/7/08	7:00	2.384	0.924	0.469	210.317	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/7/08	8:00	2.375	0.915	0.457	205.276	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/7/08	9:00	2.349	0.889	0.426	191.122	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/7/08	10:00	2.257	0.797	0.325	145.816	1.424	0.078	0.023773	0.010361	0.365940	164.234
10/7/08	11:00	2.239	0.779	0.307	137.800	1.422	0.076	0.023164	0.009981	0.352516	158.209
10/7/08	12:00	2.217	0.757	0.286	128.369	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/7/08	13:00	2.201	0.741	0.271	121.761	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/7/08	14:00	2.197	0.737	0.268	120.142	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/7/08	15:00	2.169	0.709	0.243	109.168	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/7/08	16:00	2.157	0.697	0.233	104.657	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	17:00	2.162	0.702	0.237	106.523	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	18:00	2.152	0.692	0.229	102.811	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	19:00	2.15	0.690	0.227	102.078	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	20:00	2.154	0.694	0.231	103.547	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	21:00	2.152	0.692	0.229	102.811	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	22:00	2.156	0.696	0.232	104.286	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/7/08	23:00	2.152	0.692	0.229	102.811	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/8/08	0:00	2.159	0.699	0.235	105.401	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/8/08	1:00	2.161	0.701	0.237	106.148	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	2:00	2.159	0.699	0.235	105.401	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	3:00	2.159	0.699	0.235	105.401	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	4:00	2.159	0.699	0.235	105.401	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/8/08	5:00	2.157	0.697	0.233	104.657	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/8/08	6:00	2.155	0.695	0.232	103.916	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/8/08	7:00	2.16	0.700	0.236	105.774	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/8/08	8:00	2.158	0.698	0.234	105.029	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/8/08	9:00	2.16	0.700	0.236	105.774	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/8/08	10:00	2.157	0.697	0.233	104.657	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/8/08	11:00	2.15	0.690	0.227	102.078	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/8/08	12:00	2.135	0.675	0.215	96.681	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/8/08	13:00	2.121	0.661	0.205	91.802	1.41	0.064	0.019506	0.007803	0.275587	123.683
10/8/08	14:00	2.121	0.661	0.205	91.802	1.41	0.064	0.019506	0.007803	0.275587	123.683
10/8/08	15:00	2.128	0.668	0.210	94.223	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/8/08	16:00	2.119	0.659	0.203	91.117	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/8/08	17:00	2.122	0.662	0.205	92.146	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/8/08	18:00	2.112	0.652	0.198	88.745	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/8/08	19:00	2.112	0.652	0.198	88.745	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	20:00	2.114	0.654	0.199	89.419	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	21:00	2.121	0.661	0.205	91.802	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	22:00	2.128	0.668	0.210	94.223	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/8/08	23:00	2.131	0.671	0.212	95.272	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/9/08	0:00	2.133	0.673	0.214	95.975	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/9/08	1:00	2.133	0.673	0.214	95.975	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/9/08	2:00	2.14	0.680	0.219	98.461	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/9/08	3:00	2.136	0.676	0.216	97.036	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/9/08	4:00	2.143	0.683	0.222	99.538	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/9/08	5:00	2.143	0.683	0.222	99.538	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/9/08	6:00	2.141	0.681	0.220	98.819	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/9/08	7:00	2.143	0.683	0.222	99.538	1.415	0.069	0.021030	0.008688	0.306873	137.724

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/9/08	8:00	2.146	0.686	0.224	100.622	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/9/08	9:00	2.146	0.686	0.224	100.622	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/9/08	10:00	2.15	0.690	0.227	102.078	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/9/08	11:00	2.143	0.683	0.222	99.538	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/9/08	12:00	2.131	0.671	0.212	95.272	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/9/08	13:00	2.114	0.654	0.199	89.419	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/9/08	14:00	2.107	0.647	0.194	87.074	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/9/08	15:00	2.107	0.647	0.194	87.074	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/9/08	16:00	2.1	0.640	0.189	84.765	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/9/08	17:00	2.098	0.638	0.187	84.113	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/9/08	18:00	2.095	0.635	0.185	83.140	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/9/08	19:00	2.095	0.635	0.185	83.140	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/9/08	20:00	2.093	0.633	0.184	82.494	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/9/08	21:00	2.098	0.638	0.187	84.113	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/9/08	22:00	2.107	0.647	0.194	87.074	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/9/08	23:00	2.116	0.656	0.201	90.096	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/10/08	0:00	2.121	0.661	0.205	91.802	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/10/08	1:00	2.121	0.661	0.205	91.802	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/10/08	2:00	2.121	0.661	0.205	91.802	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/10/08	3:00	2.117	0.657	0.202	90.436	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/10/08	4:00	2.136	0.676	0.216	97.036	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/10/08	5:00	2.133	0.673	0.214	95.975	1.42	0.074	0.022554	0.009605	0.339261	152.260
10/10/08	6:00	2.131	0.671	0.212	95.272	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/10/08	7:00	2.136	0.676	0.216	97.036	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/10/08	8:00	2.133	0.673	0.214	95.975	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/10/08	9:00	2.136	0.676	0.216	97.036	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/10/08	10:00	2.133	0.673	0.214	95.975	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/10/08	11:00	2.126	0.666	0.208	93.527	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/10/08	12:00	2.114	0.654	0.199	89.419	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/10/08	13:00	2.102	0.642	0.190	85.421	1.412	0.066	0.020116	0.008153	0.287966	129.239
10/10/08	14:00	2.098	0.638	0.187	84.113	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/10/08	15:00	2.089	0.629	0.181	81.213	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/10/08	16:00	2.084	0.624	0.177	79.629	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/10/08	17:00	2.087	0.627	0.180	80.577	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/10/08	18:00	2.084	0.624	0.177	79.629	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/10/08	19:00	2.077	0.617	0.173	77.442	1.411	0.065	0.019811	0.007977	0.281754	126.451
10/10/08	20:00	2.084	0.624	0.177	79.629	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/10/08	21:00	2.093	0.633	0.184	82.494	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/10/08	22:00	2.1	0.640	0.189	84.765	1.414	0.068	0.020725	0.008509	0.300526	134.876
10/10/08	23:00	2.102	0.642	0.190	85.421	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	0:00	2.107	0.647	0.194	87.074	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	1:00	2.114	0.654	0.199	89.419	1.419	0.073	0.022249	0.009420	0.332697	149.314
10/11/08	2:00	2.109	0.649	0.195	87.740	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	3:00	2.112	0.652	0.198	88.745	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/11/08	4:00	2.112	0.652	0.198	88.745	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	5:00	2.116	0.656	0.201	90.096	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/11/08	6:00	2.117	0.657	0.202	90.436	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/11/08	7:00	2.124	0.664	0.207	92.835	1.42	0.074	0.022554	0.009605	0.339261	152.260
10/11/08	8:00	2.126	0.666	0.208	93.527	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/11/08	9:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/11/08	10:00	2.126	0.666	0.208	93.527	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/11/08	11:00	2.126	0.666	0.208	93.527	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	12:00	2.116	0.656	0.201	90.096	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	13:00	2.105	0.645	0.193	86.410	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	14:00	2.101	0.641	0.190	85.093	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/11/08	15:00	2.094	0.634	0.185	82.817	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	16:00	2.09	0.630	0.182	81.532	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/11/08	17:00	2.085	0.625	0.178	79.944	1.419	0.073	0.022249	0.009420	0.332697	149.314
10/11/08	18:00	2.092	0.632	0.183	82.173	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/11/08	19:00	2.087	0.627	0.180	80.577	1.415	0.069	0.021030	0.008688	0.306873	137.724
10/11/08	20:00	2.091	0.631	0.182	81.852	1.42	0.074	0.022554	0.009605	0.339261	152.260
10/11/08	21:00	2.101	0.641	0.190	85.093	1.42	0.074	0.022554	0.009605	0.339261	152.260
10/11/08	22:00	2.108	0.648	0.195	87.406	1.425	0.079	0.024078	0.010553	0.372715	167.274
10/11/08	23:00	2.107	0.647	0.194	87.074	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	0:00	2.112	0.652	0.198	88.745	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	1:00	2.117	0.657	0.202	90.436	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	2:00	2.112	0.652	0.198	88.745	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	3:00	2.114	0.654	0.199	89.419	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	4:00	2.112	0.652	0.198	88.745	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	5:00	2.114	0.654	0.199	89.419	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	6:00	2.116	0.656	0.201	90.096	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	7:00	2.128	0.668	0.210	94.223	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	8:00	2.121	0.661	0.205	91.802	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/12/08	9:00	2.119	0.659	0.203	91.117	1.424	0.078	0.023773	0.010361	0.365940	164.234
10/12/08	10:00	2.131	0.671	0.212	95.272	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/12/08	11:00	2.126	0.666	0.208	93.527	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/12/08	12:00	2.117	0.657	0.202	90.436	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/12/08	13:00	2.105	0.645	0.193	86.410	1.417	0.071	0.021640	0.009052	0.319698	143.480
10/12/08	14:00	2.099	0.639	0.188	84.439	1.413	0.067	0.020421	0.008330	0.294224	132.048
10/12/08	15:00	2.087	0.627	0.180	80.577	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/12/08	16:00	2.09	0.630	0.182	81.532	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/12/08	17:00	2.08	0.620	0.175	78.375	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/12/08	18:00	2.08	0.620	0.175	78.375	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/12/08	19:00	2.082	0.622	0.176	79.000	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/12/08	20:00	2.087	0.627	0.180	80.577	1.418	0.072	0.021945	0.009235	0.326176	146.388
10/12/08	21:00	2.089	0.629	0.181	81.213	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/12/08	22:00	2.101	0.641	0.190	85.093	1.416	0.07	0.021335	0.008869	0.313263	140.593
10/12/08	23:00	2.103	0.643	0.191	85.750	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/13/08	0:00	2.107	0.647	0.194	87.074	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/13/08	1:00	2.107	0.647	0.194	87.074	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/13/08	2:00	2.107	0.647	0.194	87.074	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/13/08	3:00	2.114	0.654	0.199	89.419	1.421	0.075	0.022859	0.009792	0.345867	155.225
10/13/08	4:00	2.133	0.673	0.214	95.975	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/13/08	5:00	2.215	0.755	0.284	127.532	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/13/08	6:00	2.603	1.143	0.794	356.488	1.522	0.176	0.053642	0.033944	1.198890	538.062
10/13/08	7:00	2.612	1.152	0.810	363.499	1.586	0.24	0.073148	0.053661	1.895280	850.602
10/13/08	8:00	2.6	1.140	0.789	354.170	1.565	0.219	0.066748	0.046864	1.655212	742.859
10/13/08	9:00	2.575	1.115	0.747	335.200	1.546	0.2	0.060957	0.040984	1.447556	649.663
10/13/08	10:00	2.591	1.131	0.774	347.268	1.548	0.202	0.061567	0.041591	1.468975	659.276
10/13/08	11:00	2.61	1.150	0.806	361.934	1.559	0.213	0.064919	0.044979	1.588637	712.980

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/13/08	12:00	2.568	1.108	0.735	330.000	1.533	0.187	0.056995	0.037116	1.310922	588.342
10/13/08	13:00	2.537	1.077	0.685	307.557	1.512	0.166	0.050594	0.031143	1.099980	493.671
10/13/08	14:00	2.516	1.056	0.653	292.889	1.504	0.158	0.048156	0.028962	1.022924	459.088
10/13/08	15:00	2.469	1.009	0.583	261.605	1.483	0.137	0.041756	0.023493	0.829766	372.399
10/13/08	16:00	2.417	0.957	0.511	229.433	1.464	0.118	0.035965	0.018885	0.667017	299.357
10/13/08	17:00	2.37	0.910	0.451	202.507	1.452	0.106	0.032307	0.016152	0.570504	256.042
10/13/08	18:00	2.328	0.868	0.401	180.130	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/13/08	19:00	2.302	0.842	0.372	167.059	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/13/08	20:00	2.281	0.821	0.350	156.930	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/13/08	21:00	2.262	0.802	0.330	148.091	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/13/08	22:00	2.255	0.795	0.323	144.912	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/13/08	23:00	2.248	0.788	0.316	141.774	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/14/08	0:00	2.246	0.786	0.314	140.885	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/14/08	1:00	2.242	0.782	0.310	139.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/14/08	2:00	2.235	0.775	0.303	136.055	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/14/08	3:00	2.23	0.770	0.298	133.893	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/14/08	4:00	2.228	0.768	0.296	133.034	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/14/08	5:00	2.223	0.763	0.292	130.902	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	6:00	2.228	0.768	0.296	133.034	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/14/08	7:00	2.221	0.761	0.290	130.054	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	8:00	2.219	0.759	0.288	129.210	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	9:00	2.218	0.758	0.287	128.789	1.423	0.077	0.023468	0.010170	0.359208	161.212
10/14/08	10:00	2.216	0.756	0.285	127.950	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	11:00	2.216	0.756	0.285	127.950	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	12:00	2.213	0.753	0.282	126.698	1.426	0.08	0.024383	0.010746	0.379531	170.333

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/14/08	13:00	2.211	0.751	0.280	125.867	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	14:00	2.211	0.751	0.280	125.867	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	15:00	2.215	0.755	0.284	127.532	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/14/08	16:00	2.227	0.767	0.295	132.606	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/14/08	17:00	2.251	0.791	0.319	143.114	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/14/08	18:00	2.335	0.875	0.409	183.751	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/14/08	19:00	2.427	0.967	0.525	235.424	1.478	0.132	0.040232	0.022248	0.785797	352.665
10/14/08	20:00	2.509	1.049	0.642	288.095	1.508	0.162	0.049375	0.030046	1.061219	476.275
10/14/08	21:00	2.528	1.068	0.671	301.218	1.527	0.181	0.055166	0.035374	1.249399	560.730
10/14/08	22:00	2.512	1.052	0.646	290.144	1.518	0.172	0.052423	0.032814	1.158986	520.153
10/14/08	23:00	2.467	1.007	0.580	260.321	1.494	0.148	0.045108	0.026310	0.929266	417.054
10/15/08	0:00	2.437	0.977	0.538	241.508	1.477	0.131	0.039927	0.022002	0.777099	348.762
10/15/08	1:00	2.409	0.949	0.501	224.707	1.463	0.117	0.035660	0.018652	0.658783	295.662
10/15/08	2:00	2.43	0.970	0.529	237.239	1.47	0.124	0.037793	0.020304	0.717127	321.847
10/15/08	3:00	2.566	1.106	0.732	328.524	1.543	0.197	0.060043	0.040080	1.415626	635.333
10/15/08	4:00	2.522	1.062	0.662	297.036	1.638	0.292	0.088997	0.071758	2.534495	1137.482
10/15/08	5:00	2.515	1.055	0.651	292.201	1.647	0.301	0.091740	0.075065	2.651278	1189.893
10/15/08	6:00	2.496	1.036	0.622	279.318	1.588	0.242	0.073758	0.054324	1.918704	861.115
10/15/08	7:00	2.47	1.010	0.584	262.249	1.531	0.185	0.056385	0.036532	1.290305	579.089
10/15/08	8:00	2.444	0.984	0.548	245.822	1.496	0.15	0.045718	0.026834	0.947757	425.353
10/15/08	9:00	2.411	0.951	0.503	225.883	1.477	0.131	0.039927	0.022002	0.777099	348.762
10/15/08	10:00	2.385	0.925	0.470	210.881	1.465	0.119	0.036269	0.019119	0.675284	303.068
10/15/08	11:00	2.369	0.909	0.450	201.955	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/15/08	12:00	2.354	0.894	0.432	193.797	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/15/08	13:00	2.328	0.868	0.401	180.130	1.446	0.1	0.030479	0.014841	0.524166	235.246

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/15/08	14:00	2.314	0.854	0.386	173.019	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/15/08	15:00	2.297	0.837	0.367	164.613	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/15/08	16:00	2.286	0.826	0.355	159.307	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/15/08	17:00	2.269	0.809	0.337	151.312	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/15/08	18:00	2.262	0.802	0.330	148.091	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/15/08	19:00	2.253	0.793	0.321	144.011	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/15/08	20:00	2.251	0.791	0.319	143.114	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/15/08	21:00	2.249	0.789	0.317	142.220	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/15/08	22:00	2.251	0.791	0.319	143.114	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/15/08	23:00	2.249	0.789	0.317	142.220	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	0:00	2.247	0.787	0.315	141.329	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	1:00	2.245	0.785	0.313	140.442	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	2:00	2.247	0.787	0.315	141.329	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/16/08	3:00	2.241	0.781	0.309	138.677	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	4:00	2.241	0.781	0.309	138.677	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	5:00	2.241	0.781	0.309	138.677	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	6:00	2.239	0.779	0.307	137.800	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	7:00	2.234	0.774	0.302	135.621	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	8:00	2.234	0.774	0.302	135.621	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	9:00	2.232	0.772	0.300	134.756	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	10:00	2.231	0.771	0.299	134.324	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	11:00	2.228	0.768	0.296	133.034	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	12:00	2.221	0.761	0.290	130.054	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	13:00	2.211	0.751	0.280	125.867	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	14:00	2.206	0.746	0.276	123.804	1.431	0.085	0.025907	0.011728	0.414220	185.902

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/16/08	15:00	2.201	0.741	0.271	121.761	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	16:00	2.201	0.741	0.271	121.761	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	17:00	2.196	0.736	0.267	119.739	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/16/08	18:00	2.196	0.736	0.267	119.739	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	19:00	2.199	0.739	0.269	120.950	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/16/08	20:00	2.199	0.739	0.269	120.950	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	21:00	2.204	0.744	0.274	122.984	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	22:00	2.204	0.744	0.274	122.984	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/16/08	23:00	2.206	0.746	0.276	123.804	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	0:00	2.202	0.742	0.272	122.168	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	1:00	2.204	0.744	0.274	122.984	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	2:00	2.204	0.744	0.274	122.984	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/17/08	3:00	2.207	0.747	0.277	124.215	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	4:00	2.207	0.747	0.277	124.215	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/17/08	5:00	2.209	0.749	0.279	125.039	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	6:00	2.244	0.784	0.312	139.999	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/17/08	7:00	2.266	0.806	0.334	149.926	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/17/08	8:00	2.266	0.806	0.334	149.926	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/17/08	9:00	2.247	0.787	0.315	141.329	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/17/08	10:00	2.233	0.773	0.301	135.188	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/17/08	11:00	2.225	0.765	0.294	131.752	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/17/08	12:00	2.211	0.751	0.280	125.867	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/17/08	13:00	2.208	0.748	0.278	124.627	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/17/08	14:00	2.201	0.741	0.271	121.761	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/17/08	15:00	2.199	0.739	0.269	120.950	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/17/08	16:00	2.196	0.736	0.267	119.739	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	17:00	2.196	0.736	0.267	119.739	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	18:00	2.194	0.734	0.265	118.936	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	19:00	2.194	0.734	0.265	118.936	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/17/08	20:00	2.194	0.734	0.265	118.936	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/17/08	21:00	2.194	0.734	0.265	118.936	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/17/08	22:00	2.194	0.734	0.265	118.936	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/17/08	23:00	2.197	0.737	0.268	120.142	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/18/08	0:00	2.195	0.735	0.266	119.337	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/18/08	1:00	2.195	0.735	0.266	119.337	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/18/08	2:00	2.198	0.738	0.269	120.546	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/18/08	3:00	2.2	0.740	0.270	121.355	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/18/08	4:00	2.196	0.736	0.267	119.739	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/18/08	5:00	2.196	0.736	0.267	119.739	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/18/08	6:00	2.196	0.736	0.267	119.739	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/18/08	7:00	2.196	0.736	0.267	119.739	1.424	0.078	0.023773	0.010361	0.365940	164.234
10/18/08	8:00	2.196	0.736	0.267	119.739	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/18/08	9:00	2.198	0.738	0.269	120.546	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/18/08	10:00	2.195	0.735	0.266	119.337	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/18/08	11:00	2.195	0.735	0.266	119.337	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/18/08	12:00	2.193	0.733	0.264	118.536	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/18/08	13:00	2.188	0.728	0.260	116.546	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/18/08	14:00	2.185	0.725	0.257	115.362	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	15:00	2.182	0.722	0.254	114.185	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	16:00	2.185	0.725	0.257	115.362	1.431	0.085	0.025907	0.011728	0.414220	185.902

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/18/08	17:00	2.178	0.718	0.251	112.627	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	18:00	2.175	0.715	0.248	111.467	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/18/08	19:00	2.173	0.713	0.247	110.697	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	20:00	2.175	0.715	0.248	111.467	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	21:00	2.178	0.718	0.251	112.627	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	22:00	2.183	0.723	0.255	114.576	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/18/08	23:00	2.185	0.725	0.257	115.362	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	0:00	2.187	0.727	0.259	116.150	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	1:00	2.185	0.725	0.257	115.362	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	2:00	2.19	0.730	0.261	117.339	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	3:00	2.188	0.728	0.260	116.546	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	4:00	2.183	0.723	0.255	114.576	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	5:00	2.188	0.728	0.260	116.546	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/19/08	6:00	2.186	0.726	0.258	115.756	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	7:00	2.188	0.728	0.260	116.546	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	8:00	2.183	0.723	0.255	114.576	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	9:00	2.183	0.723	0.255	114.576	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	10:00	2.181	0.721	0.254	113.794	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	11:00	2.178	0.718	0.251	112.627	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	12:00	2.159	0.699	0.235	105.401	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	13:00	2.147	0.687	0.225	100.985	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	14:00	2.145	0.685	0.223	100.260	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/19/08	15:00	2.142	0.682	0.221	99.178	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	16:00	2.138	0.678	0.218	97.747	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/19/08	17:00	2.135	0.675	0.215	96.681	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/19/08	18:00	2.135	0.675	0.215	96.681	1.425	0.079	0.024078	0.010553	0.372715	167.274
10/19/08	19:00	2.14	0.680	0.219	98.461	1.425	0.079	0.024078	0.010553	0.372715	167.274
10/19/08	20:00	2.147	0.687	0.225	100.985	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/19/08	21:00	2.152	0.692	0.229	102.811	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/19/08	22:00	2.159	0.699	0.235	105.401	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/19/08	23:00	2.161	0.701	0.237	106.148	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	0:00	2.156	0.696	0.232	104.286	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	1:00	2.163	0.703	0.238	106.898	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/20/08	2:00	2.156	0.696	0.232	104.286	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/20/08	3:00	2.161	0.701	0.237	106.148	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/20/08	4:00	2.161	0.701	0.237	106.148	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/20/08	5:00	2.166	0.706	0.241	108.030	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/20/08	6:00	2.164	0.704	0.239	107.275	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	7:00	2.161	0.701	0.237	106.148	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	8:00	2.169	0.709	0.243	109.168	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	9:00	2.166	0.706	0.241	108.030	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	10:00	2.166	0.706	0.241	108.030	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	11:00	2.168	0.708	0.242	108.788	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	12:00	2.147	0.687	0.225	100.985	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	13:00	2.135	0.675	0.215	96.681	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	14:00	2.142	0.682	0.221	99.178	1.43	0.084	0.025602	0.011529	0.407202	182.752
10/20/08	15:00	2.135	0.675	0.215	96.681	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	16:00	2.133	0.673	0.214	95.975	1.425	0.079	0.024078	0.010553	0.372715	167.274
10/20/08	17:00	2.185	0.725	0.257	115.362	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/20/08	18:00	2.182	0.722	0.254	114.185	1.428	0.082	0.024992	0.011135	0.393285	176.506

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/20/08	19:00	2.187	0.727	0.259	116.150	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/20/08	20:00	2.192	0.732	0.263	118.136	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/20/08	21:00	2.197	0.737	0.268	120.142	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	22:00	2.199	0.739	0.269	120.950	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/20/08	23:00	2.201	0.741	0.271	121.761	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/21/08	0:00	2.202	0.742	0.272	122.168	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/21/08	1:00	2.204	0.744	0.274	122.984	1.426	0.08	0.024383	0.010746	0.379531	170.333
10/21/08	2:00	2.2	0.740	0.270	121.355	1.425	0.079	0.024078	0.010553	0.372715	167.274
10/21/08	3:00	2.202	0.742	0.272	122.168	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/21/08	4:00	2.202	0.742	0.272	122.168	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/21/08	5:00	2.205	0.745	0.275	123.394	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/21/08	6:00	2.202	0.742	0.272	122.168	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/21/08	7:00	2.205	0.745	0.275	123.394	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/21/08	8:00	2.207	0.747	0.277	124.215	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/21/08	9:00	2.21	0.750	0.280	125.453	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/21/08	10:00	2.212	0.752	0.281	126.282	1.427	0.081	0.024688	0.010940	0.386387	173.411
10/21/08	11:00	2.207	0.747	0.277	124.215	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/21/08	12:00	2.205	0.745	0.275	123.394	1.429	0.083	0.025297	0.011331	0.400223	179.620
10/21/08	13:00	2.207	0.747	0.277	124.215	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/21/08	14:00	2.214	0.754	0.283	127.114	1.431	0.085	0.025907	0.011728	0.414220	185.902
10/21/08	15:00	2.226	0.766	0.295	132.179	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/21/08	16:00	2.287	0.827	0.356	159.785	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/21/08	17:00	2.324	0.864	0.397	178.081	1.464	0.118	0.035965	0.018885	0.667017	299.357
10/21/08	18:00	2.329	0.869	0.403	180.645	1.464	0.118	0.035965	0.018885	0.667017	299.357
10/21/08	19:00	2.32	0.860	0.392	176.045	1.462	0.116	0.035355	0.018420	0.650584	291.982

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/21/08	20:00	2.31	0.850	0.381	171.018	1.455	0.109	0.033222	0.016822	0.594159	266.658
10/21/08	21:00	2.294	0.834	0.364	163.155	1.45	0.104	0.031698	0.015711	0.554913	249.045
10/21/08	22:00	2.282	0.822	0.351	157.404	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/21/08	23:00	2.27	0.810	0.338	151.775	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/22/08	0:00	2.263	0.803	0.331	148.549	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/22/08	1:00	2.265	0.805	0.333	149.466	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/22/08	2:00	2.289	0.829	0.358	160.744	1.483	0.137	0.041756	0.023493	0.829766	372.399
10/22/08	3:00	2.388	0.928	0.474	212.581	1.646	0.3	0.091436	0.074695	2.638215	1184.031
10/22/08	4:00	2.414	0.954	0.507	227.654	1.594	0.248	0.075587	0.056330	1.989550	892.910
10/22/08	5:00	2.477	1.017	0.594	266.781	1.783	0.437	0.133191	0.130674	4.615393	2071.389
10/22/08	6:00	2.44	0.980	0.542	243.351	1.735	0.389	0.118561	0.109892	3.881367	1741.958
10/22/08	7:00	2.442	0.982	0.545	244.585	1.754	0.408	0.124352	0.117974	4.166839	1870.077
10/22/08	8:00	2.402	0.942	0.492	220.620	1.65	0.304	0.092655	0.076178	2.690593	1207.538
10/22/08	9:00	2.371	0.911	0.452	203.059	1.57	0.224	0.068272	0.048454	1.711384	768.069
10/22/08	10:00	2.346	0.886	0.422	189.528	1.523	0.177	0.053947	0.034228	1.208936	542.570
10/22/08	11:00	2.345	0.885	0.421	188.998	1.513	0.167	0.050899	0.031420	1.109743	498.053
10/22/08	12:00	2.355	0.895	0.433	194.334	1.509	0.163	0.049680	0.030319	1.070866	480.605
10/22/08	13:00	2.357	0.897	0.435	195.412	1.501	0.155	0.047242	0.028157	0.994512	446.337
10/22/08	14:00	2.354	0.894	0.432	193.797	1.501	0.155	0.047242	0.028157	0.994512	446.337
10/22/08	15:00	2.34	0.880	0.415	186.363	1.49	0.144	0.043889	0.025273	0.892650	400.621
10/22/08	16:00	2.328	0.868	0.401	180.130	1.48	0.134	0.040841	0.022743	0.803289	360.516
10/22/08	17:00	2.321	0.861	0.393	176.553	1.473	0.127	0.038708	0.021026	0.742632	333.293
10/22/08	18:00	2.314	0.854	0.386	173.019	1.468	0.122	0.037184	0.019827	0.700289	314.290
10/22/08	19:00	2.314	0.854	0.386	173.019	1.471	0.125	0.038098	0.020544	0.725596	325.647
10/22/08	20:00	2.333	0.873	0.407	182.712	1.478	0.132	0.040232	0.022248	0.785797	352.665

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/22/08	21:00	2.385	0.925	0.470	210.881	1.539	0.193	0.058824	0.038885	1.373422	616.392
10/22/08	22:00	2.39	0.930	0.476	213.718	1.535	0.189	0.057604	0.037703	1.331647	597.643
10/22/08	23:00	2.381	0.921	0.465	208.628	1.518	0.172	0.052423	0.032814	1.158986	520.153
10/23/08	0:00	2.359	0.899	0.438	196.494	1.506	0.16	0.048766	0.029502	1.042013	467.655
10/23/08	1:00	2.345	0.885	0.421	188.998	1.499	0.153	0.046632	0.027625	0.975720	437.903
10/23/08	2:00	2.334	0.874	0.408	183.231	1.487	0.141	0.042975	0.024505	0.865512	388.442
10/23/08	3:00	2.334	0.874	0.408	183.231	1.483	0.137	0.041756	0.023493	0.829766	372.399
10/23/08	4:00	2.322	0.862	0.395	177.061	1.478	0.132	0.040232	0.022248	0.785797	352.665
10/23/08	5:00	2.32	0.860	0.392	176.045	1.473	0.127	0.038708	0.021026	0.742632	333.293
10/23/08	6:00	2.316	0.856	0.388	174.024	1.471	0.125	0.038098	0.020544	0.725596	325.647
10/23/08	7:00	2.316	0.856	0.388	174.024	1.466	0.12	0.036574	0.019354	0.683586	306.793
10/23/08	8:00	2.316	0.856	0.388	174.024	1.463	0.117	0.035660	0.018652	0.658783	295.662
10/23/08	9:00	2.313	0.853	0.384	172.517	1.463	0.117	0.035660	0.018652	0.658783	295.662
10/23/08	10:00	2.316	0.856	0.388	174.024	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/23/08	11:00	2.308	0.848	0.379	170.023	1.459	0.113	0.034441	0.017729	0.626193	281.035
10/23/08	12:00	2.308	0.848	0.379	170.023	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/23/08	13:00	2.306	0.846	0.377	169.032	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/23/08	14:00	2.301	0.841	0.371	166.568	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/23/08	15:00	2.286	0.826	0.355	159.307	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/23/08	16:00	2.282	0.822	0.351	157.404	1.454	0.108	0.032917	0.016598	0.586238	263.104
10/23/08	17:00	2.284	0.824	0.353	158.354	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/23/08	18:00	2.286	0.826	0.355	159.307	1.459	0.113	0.034441	0.017729	0.626193	281.035
10/23/08	19:00	2.298	0.838	0.368	165.100	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/23/08	20:00	2.303	0.843	0.373	167.551	1.463	0.117	0.035660	0.018652	0.658783	295.662
10/23/08	21:00	2.301	0.841	0.371	166.568	1.461	0.115	0.035050	0.018189	0.642419	288.318

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/23/08	22:00	2.282	0.822	0.351	157.404	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/23/08	23:00	2.285	0.825	0.354	158.830	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	0:00	2.287	0.827	0.356	159.785	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	1:00	2.289	0.829	0.358	160.744	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	2:00	2.294	0.834	0.364	163.155	1.461	0.115	0.035050	0.018189	0.642419	288.318
10/24/08	3:00	2.299	0.839	0.369	165.589	1.463	0.117	0.035660	0.018652	0.658783	295.662
10/24/08	4:00	2.294	0.834	0.364	163.155	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	5:00	2.294	0.834	0.364	163.155	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	6:00	2.301	0.841	0.371	166.568	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	7:00	2.301	0.841	0.371	166.568	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	8:00	2.297	0.837	0.367	164.613	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	9:00	2.304	0.844	0.374	168.044	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	10:00	2.311	0.851	0.382	171.517	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	11:00	2.327	0.867	0.400	179.617	1.463	0.117	0.035660	0.018652	0.658783	295.662
10/24/08	12:00	2.325	0.865	0.398	178.592	1.465	0.119	0.036269	0.019119	0.675284	303.068
10/24/08	13:00	2.315	0.855	0.387	173.521	1.46	0.114	0.034746	0.017958	0.634289	284.669
10/24/08	14:00	2.308	0.848	0.379	170.023	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	15:00	2.298	0.838	0.368	165.100	1.458	0.112	0.034136	0.017501	0.618132	277.418
10/24/08	16:00	2.291	0.831	0.360	161.706	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	17:00	2.289	0.829	0.358	160.744	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	18:00	2.289	0.829	0.358	160.744	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	19:00	2.289	0.829	0.358	160.744	1.453	0.107	0.032612	0.016375	0.578353	259.565
10/24/08	20:00	2.291	0.831	0.360	161.706	1.454	0.108	0.032917	0.016598	0.586238	263.104
10/24/08	21:00	2.294	0.834	0.364	163.155	1.456	0.11	0.033526	0.017047	0.602114	270.229
10/24/08	22:00	2.294	0.834	0.364	163.155	1.454	0.108	0.032917	0.016598	0.586238	263.104

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/24/08	23:00	2.292	0.832	0.361	162.188	1.454	0.108	0.032917	0.016598	0.586238	263.104
10/25/08	0:00	2.294	0.834	0.364	163.155	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/25/08	1:00	2.292	0.832	0.361	162.188	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/25/08	2:00	2.292	0.832	0.361	162.188	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	3:00	2.292	0.832	0.361	162.188	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	4:00	2.295	0.835	0.365	163.640	1.453	0.107	0.032612	0.016375	0.578353	259.565
10/25/08	5:00	2.293	0.833	0.362	162.671	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	6:00	2.3	0.840	0.370	166.078	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	7:00	2.305	0.845	0.376	168.537	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	8:00	2.303	0.843	0.373	167.551	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	9:00	2.3	0.840	0.370	166.078	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/25/08	10:00	2.293	0.833	0.362	162.671	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/25/08	11:00	2.287	0.827	0.356	159.785	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/25/08	12:00	2.268	0.808	0.336	150.849	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/25/08	13:00	2.26	0.800	0.328	147.178	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	14:00	2.25	0.790	0.318	142.666	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/25/08	15:00	2.234	0.774	0.302	135.621	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/25/08	16:00	2.232	0.772	0.300	134.756	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/25/08	17:00	2.234	0.774	0.302	135.621	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/25/08	18:00	2.229	0.769	0.297	133.464	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/25/08	19:00	2.25	0.790	0.318	142.666	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/25/08	20:00	2.269	0.809	0.337	151.312	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/25/08	21:00	2.281	0.821	0.350	156.930	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/25/08	22:00	2.279	0.819	0.348	155.985	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/25/08	23:00	2.279	0.819	0.348	155.985	1.449	0.103	0.031393	0.015492	0.547171	245.570

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/26/08	0:00	2.282	0.822	0.351	157.404	1.451	0.105	0.032002	0.015931	0.562690	252.535
10/26/08	1:00	2.28	0.820	0.349	156.457	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/26/08	2:00	2.282	0.822	0.351	157.404	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/26/08	3:00	2.282	0.822	0.351	157.404	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/26/08	4:00	2.289	0.829	0.358	160.744	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/26/08	5:00	2.296	0.836	0.366	164.126	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/26/08	6:00	2.292	0.832	0.361	162.188	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/26/08	7:00	2.29	0.830	0.359	161.224	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	8:00	2.285	0.825	0.354	158.830	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	9:00	2.295	0.835	0.365	163.640	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/26/08	10:00	2.288	0.828	0.357	160.264	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	11:00	2.283	0.823	0.352	157.878	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/26/08	12:00	2.28	0.820	0.349	156.457	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	13:00	2.268	0.808	0.336	150.849	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	14:00	2.289	0.829	0.358	160.744	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/26/08	15:00	2.277	0.817	0.345	155.043	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	16:00	2.272	0.812	0.340	152.705	1.428	0.082	0.024992	0.011135	0.393285	176.506
10/26/08	17:00	2.259	0.799	0.327	146.723	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/26/08	18:00	2.269	0.809	0.337	151.312	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	19:00	2.271	0.811	0.339	152.239	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/26/08	20:00	2.282	0.822	0.351	157.404	1.432	0.086	0.026212	0.011928	0.421279	189.070
10/26/08	21:00	2.282	0.822	0.351	157.404	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/26/08	22:00	2.283	0.823	0.352	157.878	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/26/08	23:00	2.288	0.828	0.357	160.264	1.434	0.088	0.026821	0.012331	0.435514	195.459
10/27/08	0:00	2.293	0.833	0.362	162.671	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/27/08	1:00	2.314	0.854	0.386	173.019	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	2:00	2.31	0.850	0.381	171.018	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	3:00	2.312	0.852	0.383	172.017	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	4:00	2.331	0.871	0.405	181.677	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	5:00	2.334	0.874	0.408	183.231	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	6:00	2.322	0.862	0.395	177.061	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	7:00	2.327	0.867	0.400	179.617	1.436	0.09	0.027431	0.012738	0.449907	201.918
10/27/08	8:00	2.327	0.867	0.400	179.617	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/27/08	9:00	2.33	0.870	0.404	181.160	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/27/08	10:00	2.325	0.865	0.398	178.592	1.433	0.087	0.026516	0.012129	0.428377	192.256
10/27/08	11:00	2.326	0.866	0.399	179.104	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/27/08	12:00	2.323	0.863	0.396	177.571	1.435	0.089	0.027126	0.012534	0.442691	198.680
10/27/08	13:00	2.329	0.869	0.403	180.645	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/27/08	14:00	2.328	0.868	0.401	180.130	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/27/08	15:00	2.325	0.865	0.398	178.592	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/27/08	16:00	2.323	0.863	0.396	177.571	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/27/08	17:00	2.32	0.860	0.392	176.045	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/27/08	18:00	2.316	0.856	0.388	174.024	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/27/08	19:00	2.323	0.863	0.396	177.571	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/27/08	20:00	2.328	0.868	0.401	180.130	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/27/08	21:00	2.329	0.869	0.403	180.645	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/27/08	22:00	2.327	0.867	0.400	179.617	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/27/08	23:00	2.332	0.872	0.406	182.194	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/28/08	0:00	2.33	0.870	0.404	181.160	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	1:00	2.333	0.873	0.407	182.712	1.438	0.092	0.028040	0.013150	0.464455	208.447

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/28/08	2:00	2.333	0.873	0.407	182.712	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/28/08	3:00	2.333	0.873	0.407	182.712	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	4:00	2.341	0.881	0.416	186.889	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/28/08	5:00	2.334	0.874	0.408	183.231	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	6:00	2.332	0.872	0.406	182.194	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	7:00	2.332	0.872	0.406	182.194	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/28/08	8:00	2.339	0.879	0.414	185.839	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/28/08	9:00	2.339	0.879	0.414	185.839	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	10:00	2.334	0.874	0.408	183.231	1.437	0.091	0.027735	0.012943	0.457162	205.174
10/28/08	11:00	2.335	0.875	0.409	183.751	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	12:00	2.334	0.874	0.408	183.231	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/28/08	13:00	2.33	0.870	0.404	181.160	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/28/08	14:00	2.33	0.870	0.404	181.160	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/28/08	15:00	2.334	0.874	0.408	183.231	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/28/08	16:00	2.331	0.871	0.405	181.677	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/28/08	17:00	2.331	0.871	0.405	181.677	1.449	0.103	0.031393	0.015492	0.547171	245.570
10/28/08	18:00	2.327	0.867	0.400	179.617	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	19:00	2.327	0.867	0.400	179.617	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/28/08	20:00	2.33	0.870	0.404	181.160	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/28/08	21:00	2.328	0.868	0.401	180.130	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/28/08	22:00	2.333	0.873	0.407	182.712	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/28/08	23:00	2.338	0.878	0.413	185.316	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	0:00	2.34	0.880	0.415	186.363	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	1:00	2.34	0.880	0.415	186.363	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/29/08	2:00	2.341	0.881	0.416	186.889	1.44	0.094	0.028650	0.013566	0.479156	215.045

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/29/08	3:00	2.343	0.883	0.419	187.942	1.44	0.094	0.028650	0.013566	0.479156	215.045
10/29/08	4:00	2.355	0.895	0.433	194.334	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	5:00	2.344	0.884	0.420	188.469	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/29/08	6:00	2.344	0.884	0.420	188.469	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	7:00	2.344	0.884	0.420	188.469	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	8:00	2.349	0.889	0.426	191.122	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	9:00	2.349	0.889	0.426	191.122	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/29/08	10:00	2.344	0.884	0.420	188.469	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/29/08	11:00	2.345	0.885	0.421	188.998	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/29/08	12:00	2.334	0.874	0.408	183.231	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/29/08	13:00	2.326	0.866	0.399	179.104	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/29/08	14:00	2.321	0.861	0.393	176.553	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/29/08	15:00	2.323	0.863	0.396	177.571	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/29/08	16:00	2.326	0.866	0.399	179.104	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/29/08	17:00	2.323	0.863	0.396	177.571	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/29/08	18:00	2.319	0.859	0.391	175.539	1.45	0.104	0.031698	0.015711	0.554913	249.045
10/29/08	19:00	2.324	0.864	0.397	178.081	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/29/08	20:00	2.331	0.871	0.405	181.677	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/29/08	21:00	2.331	0.871	0.405	181.677	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/29/08	22:00	2.331	0.871	0.405	181.677	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/29/08	23:00	2.336	0.876	0.411	184.272	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/30/08	0:00	2.341	0.881	0.416	186.889	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/30/08	1:00	2.339	0.879	0.414	185.839	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/30/08	2:00	2.344	0.884	0.420	188.469	1.448	0.102	0.031088	0.015274	0.539466	242.112
10/30/08	3:00	2.349	0.889	0.426	191.122	1.446	0.1	0.030479	0.014841	0.524166	235.246

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/30/08	4:00	2.347	0.887	0.423	190.058	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/30/08	5:00	2.349	0.889	0.426	191.122	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/30/08	6:00	2.349	0.889	0.426	191.122	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/30/08	7:00	2.345	0.885	0.421	188.998	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/30/08	8:00	2.345	0.885	0.421	188.998	1.441	0.095	0.028955	0.013776	0.486564	218.370
10/30/08	9:00	2.352	0.892	0.429	192.724	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/30/08	10:00	2.342	0.882	0.418	187.415	1.441	0.095	0.028955	0.013776	0.486564	218.370
10/30/08	11:00	2.351	0.891	0.428	192.189	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/30/08	12:00	2.338	0.878	0.413	185.316	1.443	0.097	0.029564	0.014199	0.501493	225.070
10/30/08	13:00	2.321	0.861	0.393	176.553	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/30/08	14:00	2.314	0.854	0.386	173.019	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/30/08	15:00	2.304	0.844	0.374	168.044	1.45	0.104	0.031698	0.015711	0.554913	249.045
10/30/08	16:00	2.297	0.837	0.367	164.613	1.45	0.104	0.031698	0.015711	0.554913	249.045
10/30/08	17:00	2.29	0.830	0.359	161.224	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/30/08	18:00	2.293	0.833	0.362	162.671	1.441	0.095	0.028955	0.013776	0.486564	218.370
10/30/08	19:00	2.3	0.840	0.370	166.078	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/30/08	20:00	2.307	0.847	0.378	169.527	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/30/08	21:00	2.312	0.852	0.383	172.017	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/30/08	22:00	2.319	0.859	0.391	175.539	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/30/08	23:00	2.319	0.859	0.391	175.539	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	0:00	2.319	0.859	0.391	175.539	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	1:00	2.326	0.866	0.399	179.104	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/31/08	2:00	2.336	0.876	0.411	184.272	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	3:00	2.336	0.876	0.411	184.272	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	4:00	2.334	0.874	0.408	183.231	1.44	0.094	0.028650	0.013566	0.479156	215.045

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
10/31/08	5:00	2.339	0.879	0.414	185.839	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	6:00	2.341	0.881	0.416	186.889	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	7:00	2.339	0.879	0.414	185.839	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/31/08	8:00	2.342	0.882	0.418	187.415	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/31/08	9:00	2.344	0.884	0.420	188.469	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/31/08	10:00	2.341	0.881	0.416	186.889	1.441	0.095	0.028955	0.013776	0.486564	218.370
10/31/08	11:00	2.343	0.883	0.419	187.942	1.441	0.095	0.028955	0.013776	0.486564	218.370
10/31/08	12:00	2.331	0.871	0.405	181.677	1.439	0.093	0.028345	0.013358	0.471786	211.738
10/31/08	13:00	2.321	0.861	0.393	176.553	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	14:00	2.323	0.863	0.396	177.571	1.446	0.1	0.030479	0.014841	0.524166	235.246
10/31/08	15:00	2.321	0.861	0.393	176.553	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/31/08	16:00	2.323	0.863	0.396	177.571	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/31/08	17:00	2.326	0.866	0.399	179.104	1.447	0.101	0.030783	0.015057	0.531798	238.671
10/31/08	18:00	2.323	0.863	0.396	177.571	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/31/08	19:00	2.33	0.870	0.404	181.160	1.444	0.098	0.029869	0.014412	0.509013	228.445
10/31/08	20:00	2.335	0.875	0.409	183.751	1.445	0.099	0.030174	0.014626	0.516571	231.837
10/31/08	21:00	2.333	0.873	0.407	182.712	1.442	0.096	0.029259	0.013987	0.494010	221.711
10/31/08	22:00	2.333	0.873	0.407	182.712	1.438	0.092	0.028040	0.013150	0.464455	208.447
10/31/08	23:00	2.338	0.878	0.413	185.316	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/1/08	0:00	2.341	0.881	0.416	186.889	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/1/08	1:00	2.341	0.881	0.416	186.889	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/1/08	2:00	2.341	0.881	0.416	186.889	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/1/08	3:00	2.342	0.882	0.418	187.415	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/1/08	4:00	2.342	0.882	0.418	187.415	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	5:00	2.342	0.882	0.418	187.415	1.442	0.096	0.029259	0.013987	0.494010	221.711

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/1/08	6:00	2.345	0.885	0.421	188.998	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	7:00	2.345	0.885	0.421	188.998	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	8:00	2.345	0.885	0.421	188.998	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	9:00	2.35	0.890	0.427	191.655	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	10:00	2.347	0.887	0.423	190.058	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	11:00	2.347	0.887	0.423	190.058	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/1/08	12:00	2.339	0.879	0.414	185.839	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/1/08	13:00	2.326	0.866	0.399	179.104	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/1/08	14:00	2.328	0.868	0.401	180.130	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/1/08	15:00	2.326	0.866	0.399	179.104	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/1/08	16:00	2.333	0.873	0.407	182.712	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/1/08	17:00	2.335	0.875	0.409	183.751	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/1/08	18:00	2.34	0.880	0.415	186.363	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/1/08	19:00	2.342	0.882	0.418	187.415	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/1/08	20:00	2.338	0.878	0.413	185.316	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	21:00	2.335	0.875	0.409	183.751	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/1/08	22:00	2.343	0.883	0.419	187.942	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/1/08	23:00	2.347	0.887	0.423	190.058	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/2/08	0:00	2.345	0.885	0.421	188.998	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/2/08	1:00	2.343	0.883	0.419	187.942	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	2:00	2.357	0.897	0.435	195.412	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	3:00	2.355	0.895	0.433	194.334	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	4:00	2.353	0.893	0.431	193.260	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	5:00	2.362	0.902	0.441	198.123	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/2/08	6:00	2.358	0.898	0.437	195.953	1.444	0.098	0.029869	0.014412	0.509013	228.445

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/2/08	7:00	2.355	0.895	0.433	194.334	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	8:00	2.36	0.900	0.439	197.036	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	9:00	2.36	0.900	0.439	197.036	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/2/08	10:00	2.379	0.919	0.462	207.507	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/2/08	11:00	2.348	0.888	0.425	190.590	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	12:00	2.34	0.880	0.415	186.363	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/2/08	13:00	2.326	0.866	0.399	179.104	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	14:00	2.33	0.870	0.404	181.160	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/2/08	15:00	2.323	0.863	0.396	177.571	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/2/08	16:00	2.319	0.859	0.391	175.539	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/2/08	17:00	2.318	0.858	0.390	175.033	1.445	0.099	0.030174	0.014626	0.516571	231.837
11/2/08	18:00	2.328	0.868	0.401	180.130	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	19:00	2.335	0.875	0.409	183.751	1.445	0.099	0.030174	0.014626	0.516571	231.837
11/2/08	20:00	2.33	0.870	0.404	181.160	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	21:00	2.342	0.882	0.418	187.415	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/2/08	22:00	2.349	0.889	0.426	191.122	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/2/08	23:00	2.345	0.885	0.421	188.998	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/3/08	0:00	2.347	0.887	0.423	190.058	1.443	0.097	0.029564	0.014199	0.501493	225.070
11/3/08	1:00	2.349	0.889	0.426	191.122	1.443	0.097	0.029564	0.014199	0.501493	225.070
11/3/08	2:00	2.35	0.890	0.427	191.655	1.443	0.097	0.029564	0.014199	0.501493	225.070
11/3/08	3:00	2.357	0.897	0.435	195.412	1.445	0.099	0.030174	0.014626	0.516571	231.837
11/3/08	4:00	2.359	0.899	0.438	196.494	1.448	0.102	0.031088	0.015274	0.539466	242.112
11/3/08	5:00	2.359	0.899	0.438	196.494	1.448	0.102	0.031088	0.015274	0.539466	242.112
11/3/08	6:00	2.359	0.899	0.438	196.494	1.445	0.099	0.030174	0.014626	0.516571	231.837
11/3/08	7:00	2.359	0.899	0.438	196.494	1.447	0.101	0.030783	0.015057	0.531798	238.671

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/3/08	8:00	2.362	0.902	0.441	198.123	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/3/08	9:00	2.357	0.897	0.435	195.412	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/3/08	10:00	2.357	0.897	0.435	195.412	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/3/08	11:00	2.349	0.889	0.426	191.122	1.45	0.104	0.031698	0.015711	0.554913	249.045
11/3/08	12:00	2.328	0.868	0.401	180.130	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/3/08	13:00	2.208	0.748	0.278	124.627	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/3/08	14:00	2.213	0.753	0.282	126.698	1.45	0.104	0.031698	0.015711	0.554913	249.045
11/3/08	15:00	2.206	0.746	0.276	123.804	1.438	0.092	0.028040	0.013150	0.464455	208.447
11/3/08	16:00	2.208	0.748	0.278	124.627	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/3/08	17:00	2.199	0.739	0.269	120.950	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/3/08	18:00	2.206	0.746	0.276	123.804	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/3/08	19:00	2.203	0.743	0.273	122.576	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/3/08	20:00	2.206	0.746	0.276	123.804	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/3/08	21:00	2.206	0.746	0.276	123.804	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/3/08	22:00	2.206	0.746	0.276	123.804	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/3/08	23:00	2.206	0.746	0.276	123.804	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	0:00	2.208	0.748	0.278	124.627	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	1:00	2.208	0.748	0.278	124.627	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	2:00	2.206	0.746	0.276	123.804	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/4/08	3:00	2.206	0.746	0.276	123.804	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/4/08	4:00	2.208	0.748	0.278	124.627	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/4/08	5:00	2.208	0.748	0.278	124.627	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/4/08	6:00	2.211	0.751	0.280	125.867	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/4/08	7:00	2.209	0.749	0.279	125.039	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	8:00	2.209	0.749	0.279	125.039	1.446	0.1	0.030479	0.014841	0.524166	235.246

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/4/08	9:00	2.209	0.749	0.279	125.039	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	10:00	2.209	0.749	0.279	125.039	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	11:00	2.211	0.751	0.280	125.867	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/4/08	12:00	2.203	0.743	0.273	122.576	1.448	0.102	0.031088	0.015274	0.539466	242.112
11/4/08	13:00	2.203	0.743	0.273	122.576	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/4/08	14:00	2.201	0.741	0.271	121.761	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/4/08	15:00	2.201	0.741	0.271	121.761	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/4/08	16:00	2.199	0.739	0.269	120.950	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	17:00	2.189	0.729	0.261	116.942	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/4/08	18:00	2.215	0.755	0.284	127.532	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/4/08	19:00	2.213	0.753	0.282	126.698	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/4/08	20:00	2.222	0.762	0.291	130.478	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/4/08	21:00	2.215	0.755	0.284	127.532	1.452	0.106	0.032307	0.016152	0.570504	256.042
11/4/08	22:00	2.213	0.753	0.282	126.698	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/4/08	23:00	2.208	0.748	0.278	124.627	1.452	0.106	0.032307	0.016152	0.570504	256.042
11/5/08	0:00	2.213	0.753	0.282	126.698	1.454	0.108	0.032917	0.016598	0.586238	263.104
11/5/08	1:00	2.211	0.751	0.280	125.867	1.452	0.106	0.032307	0.016152	0.570504	256.042
11/5/08	2:00	2.211	0.751	0.280	125.867	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/5/08	3:00	2.215	0.755	0.284	127.532	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	4:00	2.213	0.753	0.282	126.698	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	5:00	2.208	0.748	0.278	124.627	1.454	0.108	0.032917	0.016598	0.586238	263.104
11/5/08	6:00	2.208	0.748	0.278	124.627	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	7:00	2.215	0.755	0.284	127.532	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	8:00	2.218	0.758	0.287	128.789	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	9:00	2.218	0.758	0.287	128.789	1.447	0.101	0.030783	0.015057	0.531798	238.671

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/5/08	10:00	2.215	0.755	0.284	127.532	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/5/08	11:00	2.213	0.753	0.282	126.698	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/5/08	12:00	2.213	0.753	0.282	126.698	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/5/08	13:00	2.156	0.696	0.232	104.286	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/5/08	14:00	2.149	0.689	0.227	101.713	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/5/08	15:00	2.156	0.696	0.232	104.286	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/5/08	16:00	2.163	0.703	0.238	106.898	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	17:00	2.161	0.701	0.237	106.148	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	18:00	2.159	0.699	0.235	105.401	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/5/08	19:00	2.194	0.734	0.265	118.936	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/5/08	20:00	2.234	0.774	0.302	135.621	1.452	0.106	0.032307	0.016152	0.570504	256.042
11/5/08	21:00	2.21	0.750	0.280	125.453	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	22:00	2.189	0.729	0.261	116.942	1.447	0.101	0.030783	0.015057	0.531798	238.671
11/5/08	23:00	2.18	0.720	0.253	113.404	1.445	0.099	0.030174	0.014626	0.516571	231.837
11/6/08	0:00	2.164	0.704	0.239	107.275	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/6/08	1:00	2.168	0.708	0.242	108.788	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/6/08	2:00	2.162	0.702	0.237	106.523	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/6/08	3:00	2.152	0.692	0.229	102.811	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/6/08	4:00	2.155	0.695	0.232	103.916	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/6/08	5:00	2.16	0.700	0.236	105.774	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/6/08	6:00	2.16	0.700	0.236	105.774	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/6/08	7:00	2.162	0.702	0.237	106.523	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/6/08	8:00	2.16	0.700	0.236	105.774	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/6/08	9:00	2.163	0.703	0.238	106.898	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/6/08	10:00	2.156	0.696	0.232	104.286	1.439	0.093	0.028345	0.013358	0.471786	211.738

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/6/08	11:00	2.153	0.693	0.230	103.179	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/6/08	12:00	2.16	0.700	0.236	105.774	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/6/08	13:00	2.156	0.696	0.232	104.286	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/6/08	14:00	2.167	0.707	0.242	108.408	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/6/08	15:00	2.158	0.698	0.234	105.029	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/6/08	16:00	2.158	0.698	0.234	105.029	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/6/08	17:00	2.17	0.710	0.244	109.549	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/6/08	18:00	2.163	0.703	0.238	106.898	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/6/08	19:00	2.164	0.704	0.239	107.275	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/6/08	20:00	2.166	0.706	0.241	108.030	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/6/08	21:00	2.157	0.697	0.233	104.657	1.426	0.08	0.024383	0.010746	0.379531	170.333
11/6/08	22:00	2.155	0.695	0.232	103.916	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/6/08	23:00	2.148	0.688	0.226	101.348	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/7/08	0:00	2.151	0.691	0.228	102.444	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/7/08	1:00	2.149	0.689	0.227	101.713	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/7/08	2:00	2.154	0.694	0.231	103.547	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/7/08	3:00	2.145	0.685	0.223	100.260	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/7/08	4:00	2.178	0.718	0.251	112.627	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/7/08	5:00	2.171	0.711	0.245	109.931	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/7/08	6:00	2.171	0.711	0.245	109.931	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/7/08	7:00	2.155	0.695	0.232	103.916	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/7/08	8:00	2.155	0.695	0.232	103.916	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/7/08	9:00	2.16	0.700	0.236	105.774	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/7/08	10:00	2.157	0.697	0.233	104.657	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/7/08	11:00	2.167	0.707	0.242	108.408	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/7/08	12:00	2.162	0.702	0.237	106.523	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/7/08	13:00	2.152	0.692	0.229	102.811	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/7/08	14:00	2.156	0.696	0.232	104.286	1.426	0.08	0.024383	0.010746	0.379531	170.333
11/7/08	15:00	2.154	0.694	0.231	103.547	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/7/08	16:00	2.158	0.698	0.234	105.029	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/7/08	17:00	2.149	0.689	0.227	101.713	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/7/08	18:00	2.154	0.694	0.231	103.547	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/7/08	19:00	2.154	0.694	0.231	103.547	1.426	0.08	0.024383	0.010746	0.379531	170.333
11/7/08	20:00	2.159	0.699	0.235	105.401	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/7/08	21:00	2.152	0.692	0.229	102.811	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/7/08	22:00	2.15	0.690	0.227	102.078	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/7/08	23:00	2.155	0.695	0.232	103.916	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/8/08	0:00	2.146	0.686	0.224	100.622	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	1:00	2.151	0.691	0.228	102.444	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/8/08	2:00	2.153	0.693	0.230	103.179	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	3:00	2.156	0.696	0.232	104.286	1.426	0.08	0.024383	0.010746	0.379531	170.333
11/8/08	4:00	2.153	0.693	0.230	103.179	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	5:00	2.161	0.701	0.237	106.148	1.426	0.08	0.024383	0.010746	0.379531	170.333
11/8/08	6:00	2.151	0.691	0.228	102.444	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	7:00	2.161	0.701	0.237	106.148	1.426	0.08	0.024383	0.010746	0.379531	170.333
11/8/08	8:00	2.154	0.694	0.231	103.547	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	9:00	2.149	0.689	0.227	101.713	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	10:00	2.157	0.697	0.233	104.657	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	11:00	2.149	0.689	0.227	101.713	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	12:00	2.156	0.696	0.232	104.286	1.425	0.079	0.024078	0.010553	0.372715	167.274

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/8/08	13:00	2.153	0.693	0.230	103.179	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	14:00	2.153	0.693	0.230	103.179	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	15:00	2.155	0.695	0.232	103.916	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	16:00	2.153	0.693	0.230	103.179	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	17:00	2.15	0.690	0.227	102.078	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/8/08	18:00	2.15	0.690	0.227	102.078	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	19:00	2.158	0.698	0.234	105.029	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/8/08	20:00	2.153	0.693	0.230	103.179	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	21:00	2.151	0.691	0.228	102.444	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/8/08	22:00	2.151	0.691	0.228	102.444	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/8/08	23:00	2.154	0.694	0.231	103.547	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/9/08	0:00	2.152	0.692	0.229	102.811	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/9/08	1:00	2.152	0.692	0.229	102.811	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/9/08	2:00	2.154	0.694	0.231	103.547	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/9/08	3:00	2.152	0.692	0.229	102.811	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	4:00	2.152	0.692	0.229	102.811	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	5:00	2.15	0.690	0.227	102.078	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	6:00	2.145	0.685	0.223	100.260	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	7:00	2.148	0.688	0.226	101.348	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	8:00	2.148	0.688	0.226	101.348	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	9:00	2.148	0.688	0.226	101.348	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/9/08	10:00	2.145	0.685	0.223	100.260	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	11:00	2.149	0.689	0.227	101.713	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	12:00	2.144	0.684	0.223	99.898	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	13:00	2.145	0.685	0.223	100.260	1.43	0.084	0.025602	0.011529	0.407202	182.752

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/9/08	14:00	2.146	0.686	0.224	100.622	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/9/08	15:00	2.143	0.683	0.222	99.538	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/9/08	16:00	2.15	0.690	0.227	102.078	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/9/08	17:00	2.147	0.687	0.225	100.985	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/9/08	18:00	2.15	0.690	0.227	102.078	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	19:00	2.15	0.690	0.227	102.078	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	20:00	2.149	0.689	0.227	101.713	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	21:00	2.149	0.689	0.227	101.713	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	22:00	2.149	0.689	0.227	101.713	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/9/08	23:00	2.149	0.689	0.227	101.713	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/10/08	0:00	2.147	0.687	0.225	100.985	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/10/08	1:00	2.152	0.692	0.229	102.811	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/10/08	2:00	2.15	0.690	0.227	102.078	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/10/08	3:00	2.148	0.688	0.226	101.348	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	4:00	2.144	0.684	0.223	99.898	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/10/08	5:00	2.151	0.691	0.228	102.444	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	6:00	2.151	0.691	0.228	102.444	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	7:00	2.146	0.686	0.224	100.622	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	8:00	2.153	0.693	0.230	103.179	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	9:00	2.149	0.689	0.227	101.713	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	10:00	2.146	0.686	0.224	100.622	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	11:00	2.148	0.688	0.226	101.348	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/10/08	12:00	2.148	0.688	0.226	101.348	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/10/08	13:00	2.15	0.690	0.227	102.078	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/10/08	14:00	2.15	0.690	0.227	102.078	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/10/08	15:00	2.154	0.694	0.231	103.547	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/10/08	16:00	2.18	0.720	0.253	113.404	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/10/08	17:00	2.216	0.756	0.285	127.950	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/10/08	18:00	2.268	0.808	0.336	150.849	1.448	0.102	0.031088	0.015274	0.539466	242.112
11/10/08	19:00	2.315	0.855	0.387	173.521	1.456	0.11	0.033526	0.017047	0.602114	270.229
11/10/08	20:00	2.291	0.831	0.360	161.706	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/10/08	21:00	2.256	0.796	0.324	145.363	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/10/08	22:00	2.232	0.772	0.300	134.756	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/10/08	23:00	2.223	0.763	0.292	130.902	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/11/08	0:00	2.225	0.765	0.294	131.752	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/11/08	1:00	2.23	0.770	0.298	133.893	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/11/08	2:00	2.242	0.782	0.310	139.117	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/11/08	3:00	2.246	0.786	0.314	140.885	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/11/08	4:00	2.23	0.770	0.298	133.893	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/11/08	5:00	2.223	0.763	0.292	130.902	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/11/08	6:00	2.218	0.758	0.287	128.789	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/11/08	7:00	2.218	0.758	0.287	128.789	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/11/08	8:00	2.229	0.769	0.297	133.464	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/11/08	9:00	2.22	0.760	0.289	129.632	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/11/08	10:00	2.213	0.753	0.282	126.698	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/11/08	11:00	2.205	0.745	0.275	123.394	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/11/08	12:00	2.219	0.759	0.288	129.210	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/11/08	13:00	2.245	0.785	0.313	140.442	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/11/08	14:00	2.27	0.810	0.338	151.775	1.446	0.1	0.030479	0.014841	0.524166	235.246
11/11/08	15:00	2.301	0.841	0.371	166.568	1.451	0.105	0.032002	0.015931	0.562690	252.535

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/11/08	16:00	2.352	0.892	0.429	192.724	1.458	0.112	0.034136	0.017501	0.618132	277.418
11/11/08	17:00	2.373	0.913	0.455	204.165	1.46	0.114	0.034746	0.017958	0.634289	284.669
11/11/08	18:00	2.42	0.960	0.515	231.221	1.467	0.121	0.036879	0.019590	0.691921	310.534
11/11/08	19:00	2.486	1.026	0.608	272.676	1.479	0.133	0.040536	0.022495	0.794527	356.583
11/11/08	20:00	2.451	0.991	0.557	250.182	1.47	0.124	0.037793	0.020304	0.717127	321.847
11/11/08	21:00	2.373	0.913	0.455	204.165	1.458	0.112	0.034136	0.017501	0.618132	277.418
11/11/08	22:00	2.319	0.859	0.391	175.539	1.448	0.102	0.031088	0.015274	0.539466	242.112
11/11/08	23:00	2.291	0.831	0.360	161.706	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/12/08	0:00	2.266	0.806	0.334	149.926	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/12/08	1:00	2.249	0.789	0.317	142.220	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/12/08	2:00	2.238	0.778	0.306	137.362	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/12/08	3:00	2.228	0.768	0.296	133.034	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/12/08	4:00	2.226	0.766	0.295	132.179	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/12/08	5:00	2.219	0.759	0.288	129.210	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/12/08	6:00	2.217	0.757	0.286	128.369	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/12/08	7:00	2.21	0.750	0.280	125.453	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	8:00	2.208	0.748	0.278	124.627	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	9:00	2.203	0.743	0.273	122.576	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/12/08	10:00	2.2	0.740	0.270	121.355	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/12/08	11:00	2.198	0.738	0.269	120.546	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/12/08	12:00	2.198	0.738	0.269	120.546	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/12/08	13:00	2.193	0.733	0.264	118.536	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/12/08	14:00	2.195	0.735	0.266	119.337	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/12/08	15:00	2.197	0.737	0.268	120.142	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	16:00	2.192	0.732	0.263	118.136	1.432	0.086	0.026212	0.011928	0.421279	189.070

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/12/08	17:00	2.192	0.732	0.263	118.136	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	18:00	2.192	0.732	0.263	118.136	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	19:00	2.192	0.732	0.263	118.136	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/12/08	20:00	2.192	0.732	0.263	118.136	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/12/08	21:00	2.19	0.730	0.261	117.339	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	22:00	2.191	0.731	0.262	117.737	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/12/08	23:00	2.189	0.729	0.261	116.942	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/13/08	0:00	2.189	0.729	0.261	116.942	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/13/08	1:00	2.163	0.703	0.238	106.898	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/13/08	2:00	2.187	0.727	0.259	116.150	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	3:00	2.199	0.739	0.269	120.950	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	4:00	2.196	0.736	0.267	119.739	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	5:00	2.192	0.732	0.263	118.136	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	6:00	2.215	0.755	0.284	127.532	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/13/08	7:00	2.201	0.741	0.271	121.761	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	8:00	2.193	0.733	0.264	118.536	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	9:00	2.193	0.733	0.264	118.536	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	10:00	2.193	0.733	0.264	118.536	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	11:00	2.186	0.726	0.258	115.756	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	12:00	2.187	0.727	0.259	116.150	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	13:00	2.192	0.732	0.263	118.136	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	14:00	2.187	0.727	0.259	116.150	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/13/08	15:00	2.191	0.731	0.262	117.737	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	16:00	2.191	0.731	0.262	117.737	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	17:00	2.193	0.733	0.264	118.536	1.432	0.086	0.026212	0.011928	0.421279	189.070

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/13/08	18:00	2.205	0.745	0.275	123.394	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/13/08	19:00	2.228	0.768	0.296	133.034	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/13/08	20:00	2.24	0.780	0.308	138.238	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/13/08	21:00	2.231	0.771	0.299	134.324	1.451	0.105	0.032002	0.015931	0.562690	252.535
11/13/08	22:00	2.221	0.761	0.290	130.054	1.449	0.103	0.031393	0.015492	0.547171	245.570
11/13/08	23:00	2.212	0.752	0.281	126.282	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/14/08	0:00	2.201	0.741	0.271	121.761	1.444	0.098	0.029869	0.014412	0.509013	228.445
11/14/08	1:00	2.196	0.736	0.267	119.739	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/14/08	2:00	2.196	0.736	0.267	119.739	1.442	0.096	0.029259	0.013987	0.494010	221.711
11/14/08	3:00	2.189	0.729	0.261	116.942	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/14/08	4:00	2.185	0.725	0.257	115.362	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/14/08	5:00	2.183	0.723	0.255	114.576	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/14/08	6:00	2.183	0.723	0.255	114.576	1.44	0.094	0.028650	0.013566	0.479156	215.045
11/14/08	7:00	2.178	0.718	0.251	112.627	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/14/08	8:00	2.176	0.716	0.249	111.853	1.435	0.089	0.027126	0.012534	0.442691	198.680
11/14/08	9:00	2.176	0.716	0.249	111.853	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	10:00	2.174	0.714	0.248	111.082	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	11:00	2.169	0.709	0.243	109.168	1.435	0.089	0.027126	0.012534	0.442691	198.680
11/14/08	12:00	2.183	0.723	0.255	114.576	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	13:00	2.168	0.708	0.242	108.788	1.435	0.089	0.027126	0.012534	0.442691	198.680
11/14/08	14:00	2.168	0.708	0.242	108.788	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/14/08	15:00	2.165	0.705	0.240	107.652	1.435	0.089	0.027126	0.012534	0.442691	198.680
11/14/08	16:00	2.161	0.701	0.237	106.148	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	17:00	2.163	0.703	0.238	106.898	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	18:00	2.159	0.699	0.235	105.401	1.432	0.086	0.026212	0.011928	0.421279	189.070

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/14/08	19:00	2.166	0.706	0.241	108.030	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	20:00	2.166	0.706	0.241	108.030	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/14/08	21:00	2.162	0.702	0.237	106.523	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/14/08	22:00	2.181	0.721	0.254	113.794	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/14/08	23:00	2.179	0.719	0.252	113.015	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	0:00	2.173	0.713	0.247	110.697	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/15/08	1:00	2.164	0.704	0.239	107.275	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/15/08	2:00	2.167	0.707	0.242	108.408	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/15/08	3:00	2.163	0.703	0.238	106.898	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/15/08	4:00	2.156	0.696	0.232	104.286	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/15/08	5:00	2.152	0.692	0.229	102.811	1.428	0.082	0.024992	0.011135	0.393285	176.506
11/15/08	6:00	2.157	0.697	0.233	104.657	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/15/08	7:00	2.157	0.697	0.233	104.657	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	8:00	2.16	0.700	0.236	105.774	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/15/08	9:00	2.162	0.702	0.237	106.523	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/15/08	10:00	2.16	0.700	0.236	105.774	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/15/08	11:00	2.159	0.699	0.235	105.401	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/15/08	12:00	2.161	0.701	0.237	106.148	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/15/08	13:00	2.158	0.698	0.234	105.029	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	14:00	2.167	0.707	0.242	108.408	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	15:00	2.162	0.702	0.237	106.523	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	16:00	2.164	0.704	0.239	107.275	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/15/08	17:00	2.168	0.708	0.242	108.788	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	18:00	2.161	0.701	0.237	106.148	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/15/08	19:00	2.162	0.702	0.237	106.523	1.43	0.084	0.025602	0.011529	0.407202	182.752

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/15/08	20:00	2.162	0.702	0.237	106.523	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/15/08	21:00	2.16	0.700	0.236	105.774	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/15/08	22:00	2.153	0.693	0.230	103.179	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/15/08	23:00	2.153	0.693	0.230	103.179	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/16/08	0:00	2.156	0.696	0.232	104.286	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/16/08	1:00	2.158	0.698	0.234	105.029	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/16/08	2:00	2.159	0.699	0.235	105.401	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/16/08	3:00	2.166	0.706	0.241	108.030	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/16/08	4:00	2.164	0.704	0.239	107.275	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/16/08	5:00	2.161	0.701	0.237	106.148	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/16/08	6:00	2.164	0.704	0.239	107.275	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/16/08	7:00	2.159	0.699	0.235	105.401	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/16/08	8:00	2.159	0.699	0.235	105.401	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/16/08	9:00	2.161	0.701	0.237	106.148	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/16/08	10:00	2.159	0.699	0.235	105.401	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/16/08	11:00	2.16	0.700	0.236	105.774	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/16/08	12:00	2.164	0.704	0.239	107.275	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/16/08	13:00	2.168	0.708	0.242	108.788	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/16/08	14:00	2.16	0.700	0.236	105.774	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/16/08	15:00	2.15	0.690	0.227	102.078	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/16/08	16:00	2.157	0.697	0.233	104.657	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/16/08	17:00	2.154	0.694	0.231	103.547	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/16/08	18:00	2.152	0.692	0.229	102.811	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/16/08	19:00	2.154	0.694	0.231	103.547	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/16/08	20:00	2.152	0.692	0.229	102.811	1.42	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/16/08	21:00	2.155	0.695	0.232	103.916	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/16/08	22:00	2.157	0.697	0.233	104.657	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/16/08	23:00	2.157	0.697	0.233	104.657	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	0:00	2.153	0.693	0.230	103.179	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	1:00	2.153	0.693	0.230	103.179	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	2:00	2.153	0.693	0.230	103.179	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	3:00	2.153	0.693	0.230	103.179	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	4:00	2.151	0.691	0.228	102.444	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	5:00	2.153	0.693	0.230	103.179	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/17/08	6:00	2.153	0.693	0.230	103.179	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/17/08	7:00	2.149	0.689	0.227	101.713	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/17/08	8:00	2.145	0.685	0.223	100.260	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	9:00	2.145	0.685	0.223	100.260	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	10:00	2.147	0.687	0.225	100.985	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	11:00	2.147	0.687	0.225	100.985	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/17/08	12:00	2.146	0.686	0.224	100.622	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	13:00	2.142	0.682	0.221	99.178	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	14:00	2.144	0.684	0.223	99.898	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	15:00	2.141	0.681	0.220	98.819	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	16:00	2.141	0.681	0.220	98.819	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	17:00	2.143	0.683	0.222	99.538	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	18:00	2.143	0.683	0.222	99.538	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/17/08	19:00	2.144	0.684	0.223	99.898	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/17/08	20:00	2.144	0.684	0.223	99.898	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/17/08	21:00	2.142	0.682	0.221	99.178	1.423	0.077	0.023468	0.010170	0.359208	161.212

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/17/08	22:00	2.147	0.687	0.225	100.985	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/17/08	23:00	2.15	0.690	0.227	102.078	1.423	0.077	0.023468	0.010170	0.359208	161.212
11/18/08	0:00	2.148	0.688	0.226	101.348	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/18/08	1:00	2.148	0.688	0.226	101.348	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/18/08	2:00	2.148	0.688	0.226	101.348	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	3:00	2.151	0.691	0.228	102.444	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	4:00	2.146	0.686	0.224	100.622	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	5:00	2.142	0.682	0.221	99.178	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/18/08	6:00	2.137	0.677	0.217	97.391	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/18/08	7:00	2.144	0.684	0.223	99.898	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	8:00	2.142	0.682	0.221	99.178	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	9:00	2.142	0.682	0.221	99.178	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/18/08	10:00	2.142	0.682	0.221	99.178	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	11:00	2.144	0.684	0.223	99.898	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	12:00	2.141	0.681	0.220	98.819	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/18/08	13:00	2.147	0.687	0.225	100.985	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/18/08	14:00	2.148	0.688	0.226	101.348	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/18/08	15:00	2.145	0.685	0.223	100.260	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/18/08	16:00	2.145	0.685	0.223	100.260	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/18/08	17:00	2.147	0.687	0.225	100.985	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/18/08	18:00	2.145	0.685	0.223	100.260	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/18/08	19:00	2.148	0.688	0.226	101.348	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/18/08	20:00	2.151	0.691	0.228	102.444	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/18/08	21:00	2.154	0.694	0.231	103.547	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/18/08	22:00	2.154	0.694	0.231	103.547	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/18/08	23:00	2.154	0.694	0.231	103.547	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/19/08	0:00	2.157	0.697	0.233	104.657	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/19/08	1:00	2.152	0.692	0.229	102.811	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/19/08	2:00	2.155	0.695	0.232	103.916	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/19/08	3:00	2.155	0.695	0.232	103.916	1.441	0.095	0.028955	0.013776	0.486564	218.370
11/19/08	4:00	2.155	0.695	0.232	103.916	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/19/08	5:00	2.148	0.688	0.226	101.348	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/19/08	6:00	2.151	0.691	0.228	102.444	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/19/08	7:00	2.146	0.686	0.224	100.622	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/19/08	8:00	2.142	0.682	0.221	99.178	1.437	0.091	0.027735	0.012943	0.457162	205.174
11/19/08	9:00	2.139	0.679	0.219	98.103	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/19/08	10:00	2.137	0.677	0.217	97.391	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	11:00	2.138	0.678	0.218	97.747	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/19/08	12:00	2.137	0.677	0.217	97.391	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	13:00	2.141	0.681	0.220	98.819	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	14:00	2.137	0.677	0.217	97.391	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	15:00	2.134	0.674	0.215	96.328	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	16:00	2.137	0.677	0.217	97.391	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	17:00	2.141	0.681	0.220	98.819	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	18:00	2.144	0.684	0.223	99.898	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	19:00	2.145	0.685	0.223	100.260	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	20:00	2.145	0.685	0.223	100.260	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/19/08	21:00	2.141	0.681	0.220	98.819	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/19/08	22:00	2.132	0.672	0.213	95.623	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/19/08	23:00	2.128	0.668	0.210	94.223	1.43	0.084	0.025602	0.011529	0.407202	182.752

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/20/08	0:00	2.128	0.668	0.210	94.223	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/20/08	1:00	2.129	0.669	0.211	94.572	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/20/08	2:00	2.129	0.669	0.211	94.572	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/20/08	3:00	2.12	0.660	0.204	91.459	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	4:00	2.125	0.665	0.208	93.181	1.43	0.084	0.025602	0.011529	0.407202	182.752
11/20/08	5:00	2.12	0.660	0.204	91.459	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	6:00	2.125	0.665	0.208	93.181	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	7:00	2.114	0.654	0.199	89.419	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	8:00	2.109	0.649	0.195	87.740	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	9:00	2.112	0.652	0.198	88.745	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	10:00	2.102	0.642	0.190	85.421	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	11:00	2.09	0.630	0.182	81.532	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	12:00	2.097	0.637	0.187	83.788	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/20/08	13:00	2.087	0.627	0.180	80.577	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/20/08	14:00	2.086	0.626	0.179	80.260	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	15:00	2.084	0.624	0.177	79.629	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	16:00	2.079	0.619	0.174	78.063	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	17:00	2.079	0.619	0.174	78.063	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	18:00	2.07	0.610	0.168	75.291	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	19:00	2.066	0.606	0.165	74.079	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	20:00	2.067	0.607	0.166	74.381	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	21:00	2.065	0.605	0.164	73.777	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	22:00	2.059	0.599	0.160	71.985	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/20/08	23:00	2.059	0.599	0.160	71.985	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/21/08	0:00	2.055	0.595	0.158	70.805	1.425	0.079	0.024078	0.010553	0.372715	167.274

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/21/08	1:00	2.065	0.605	0.164	73.777	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/21/08	2:00	2.072	0.612	0.169	75.902	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/21/08	3:00	2.06	0.600	0.161	72.282	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/21/08	4:00	2.058	0.598	0.160	71.689	1.425	0.079	0.024078	0.010553	0.372715	167.274
11/21/08	5:00	2.055	0.595	0.158	70.805	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/21/08	6:00	2.055	0.595	0.158	70.805	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/21/08	7:00	2.055	0.595	0.158	70.805	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/21/08	8:00	2.051	0.591	0.155	69.636	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/21/08	9:00	2.051	0.591	0.155	69.636	1.42	0.074	0.022554	0.009605	0.339261	152.260
11/21/08	10:00	2.051	0.591	0.155	69.636	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/21/08	11:00	2.05	0.590	0.155	69.346	1.422	0.076	0.023164	0.009981	0.352516	158.209
11/21/08	12:00	2.066	0.606	0.165	74.079	1.424	0.078	0.023773	0.010361	0.365940	164.234
11/21/08	13:00	2.067	0.607	0.166	74.381	1.424	0.078	0.023773	0.010361	0.365940	164.234
11/21/08	14:00	2.08	0.620	0.175	78.375	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/21/08	15:00	2.089	0.629	0.181	81.213	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/21/08	16:00	2.096	0.636	0.186	83.463	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/21/08	17:00	2.099	0.639	0.188	84.439	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/21/08	18:00	2.101	0.641	0.190	85.093	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/21/08	19:00	2.109	0.649	0.195	87.740	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/21/08	20:00	2.107	0.647	0.194	87.074	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/21/08	21:00	2.105	0.645	0.193	86.410	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/21/08	22:00	2.105	0.645	0.193	86.410	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/21/08	23:00	2.107	0.647	0.194	87.074	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/22/08	0:00	2.11	0.650	0.196	88.074	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/22/08	1:00	2.105	0.645	0.193	86.410	1.431	0.085	0.025907	0.011728	0.414220	185.902

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/22/08	2:00	2.108	0.648	0.195	87.406	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	3:00	2.113	0.653	0.198	89.082	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	4:00	2.108	0.648	0.195	87.406	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	5:00	2.108	0.648	0.195	87.406	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	6:00	2.111	0.651	0.197	88.409	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	7:00	2.111	0.651	0.197	88.409	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	8:00	2.111	0.651	0.197	88.409	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	9:00	2.108	0.648	0.195	87.406	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/22/08	10:00	2.108	0.648	0.195	87.406	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	11:00	2.11	0.650	0.196	88.074	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	12:00	2.112	0.652	0.198	88.745	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	13:00	2.114	0.654	0.199	89.419	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	14:00	2.117	0.657	0.202	90.436	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	15:00	2.119	0.659	0.203	91.117	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/22/08	16:00	2.121	0.661	0.205	91.802	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	17:00	2.125	0.665	0.208	93.181	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	18:00	2.126	0.666	0.208	93.527	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	19:00	2.124	0.664	0.207	92.835	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/22/08	20:00	2.117	0.657	0.202	90.436	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/22/08	21:00	2.115	0.655	0.200	89.757	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/22/08	22:00	2.116	0.656	0.201	90.096	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/22/08	23:00	2.116	0.656	0.201	90.096	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/23/08	0:00	2.114	0.654	0.199	89.419	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/23/08	1:00	2.119	0.659	0.203	91.117	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/23/08	2:00	2.115	0.655	0.200	89.757	1.431	0.085	0.025907	0.011728	0.414220	185.902

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/23/08	3:00	2.117	0.657	0.202	90.436	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	4:00	2.119	0.659	0.203	91.117	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	5:00	2.117	0.657	0.202	90.436	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	6:00	2.12	0.660	0.204	91.459	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	7:00	2.12	0.660	0.204	91.459	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	8:00	2.115	0.655	0.200	89.757	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	9:00	2.11	0.650	0.196	88.074	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/23/08	10:00	2.117	0.657	0.202	90.436	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	11:00	2.121	0.661	0.205	91.802	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	12:00	2.12	0.660	0.204	91.459	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	13:00	2.125	0.665	0.208	93.181	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/23/08	14:00	2.127	0.667	0.209	93.875	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/23/08	15:00	2.129	0.669	0.211	94.572	1.439	0.093	0.028345	0.013358	0.471786	211.738
11/23/08	16:00	2.128	0.668	0.210	94.223	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/23/08	17:00	2.124	0.664	0.207	92.835	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/23/08	18:00	2.129	0.669	0.211	94.572	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/23/08	19:00	2.136	0.676	0.216	97.036	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/23/08	20:00	2.13	0.670	0.212	94.921	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/23/08	21:00	2.123	0.663	0.206	92.490	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/23/08	22:00	2.128	0.668	0.210	94.223	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/23/08	23:00	2.119	0.659	0.203	91.117	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/24/08	0:00	2.122	0.662	0.205	92.146	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/24/08	1:00	2.116	0.656	0.201	90.096	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	2:00	2.118	0.658	0.202	90.776	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	3:00	2.119	0.659	0.203	91.117	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/24/08	4:00	2.119	0.659	0.203	91.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	5:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	6:00	2.119	0.659	0.203	91.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	7:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/24/08	8:00	2.113	0.653	0.198	89.082	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/24/08	9:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/24/08	10:00	2.115	0.655	0.200	89.757	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	11:00	2.114	0.654	0.199	89.419	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	12:00	2.118	0.658	0.202	90.776	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	13:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	14:00	2.125	0.665	0.208	93.181	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/24/08	15:00	2.127	0.667	0.209	93.875	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/24/08	16:00	2.127	0.667	0.209	93.875	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/24/08	17:00	2.12	0.660	0.204	91.459	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	18:00	2.125	0.665	0.208	93.181	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/24/08	19:00	2.125	0.665	0.208	93.181	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/24/08	20:00	2.123	0.663	0.206	92.490	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/24/08	21:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	22:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/24/08	23:00	2.125	0.665	0.208	93.181	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/25/08	0:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/25/08	1:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/25/08	2:00	2.119	0.659	0.203	91.117	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	3:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/25/08	4:00	2.117	0.657	0.202	90.436	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/25/08	5:00	2.11	0.650	0.196	88.074	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	6:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	7:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	8:00	2.111	0.651	0.197	88.409	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	9:00	2.113	0.653	0.198	89.082	1.424	0.078	0.023773	0.010361	0.365940	164.234
11/25/08	10:00	2.113	0.653	0.198	89.082	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	11:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/25/08	12:00	2.116	0.656	0.201	90.096	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/25/08	13:00	2.127	0.667	0.209	93.875	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/25/08	14:00	2.13	0.670	0.212	94.921	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/25/08	15:00	2.132	0.672	0.213	95.623	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/25/08	16:00	2.131	0.671	0.212	95.272	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/25/08	17:00	2.129	0.669	0.211	94.572	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/25/08	18:00	2.132	0.672	0.213	95.623	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/25/08	19:00	2.13	0.670	0.212	94.921	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/25/08	20:00	2.128	0.668	0.210	94.223	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/25/08	21:00	2.129	0.669	0.211	94.572	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/25/08	22:00	2.129	0.669	0.211	94.572	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/25/08	23:00	2.13	0.670	0.212	94.921	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	0:00	2.13	0.670	0.212	94.921	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	1:00	2.126	0.666	0.208	93.527	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	2:00	2.126	0.666	0.208	93.527	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	3:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	4:00	2.122	0.662	0.205	92.146	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	5:00	2.119	0.659	0.203	91.117	1.432	0.086	0.026212	0.011928	0.421279	189.070

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/26/08	6:00	2.124	0.664	0.207	92.835	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	7:00	2.129	0.669	0.211	94.572	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	8:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	9:00	2.12	0.660	0.204	91.459	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	10:00	2.122	0.662	0.205	92.146	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	11:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	12:00	2.12	0.660	0.204	91.459	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/26/08	13:00	2.121	0.661	0.205	91.802	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/26/08	14:00	2.125	0.665	0.208	93.181	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/26/08	15:00	2.12	0.660	0.204	91.459	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/26/08	16:00	2.126	0.666	0.208	93.527	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/26/08	17:00	2.124	0.664	0.207	92.835	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/26/08	18:00	2.129	0.669	0.211	94.572	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	19:00	2.127	0.667	0.209	93.875	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	20:00	2.128	0.668	0.210	94.223	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	21:00	2.128	0.668	0.210	94.223	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	22:00	2.129	0.669	0.211	94.572	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/26/08	23:00	2.127	0.667	0.209	93.875	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/27/08	0:00	2.125	0.665	0.208	93.181	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	1:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	2:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	3:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	4:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	5:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	6:00	2.122	0.662	0.205	92.146	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/27/08	7:00	2.119	0.659	0.203	91.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	8:00	2.119	0.659	0.203	91.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	9:00	2.12	0.660	0.204	91.459	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/27/08	10:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/27/08	11:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	12:00	2.12	0.660	0.204	91.459	1.427	0.081	0.024688	0.010940	0.386387	173.411
11/27/08	13:00	2.126	0.666	0.208	93.527	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	14:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	15:00	2.116	0.656	0.201	90.096	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	16:00	2.118	0.658	0.202	90.776	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	17:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	18:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	19:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	20:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	21:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/27/08	22:00	2.129	0.669	0.211	94.572	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/27/08	23:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	0:00	2.129	0.669	0.211	94.572	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	1:00	2.132	0.672	0.213	95.623	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	2:00	2.13	0.670	0.212	94.921	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	3:00	2.125	0.665	0.208	93.181	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	4:00	2.128	0.668	0.210	94.223	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	5:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	6:00	2.121	0.661	0.205	91.802	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	7:00	2.122	0.662	0.205	92.146	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/28/08	8:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	9:00	2.124	0.664	0.207	92.835	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	10:00	2.122	0.662	0.205	92.146	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	11:00	2.119	0.659	0.203	91.117	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	12:00	2.123	0.663	0.206	92.490	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/28/08	13:00	2.12	0.660	0.204	91.459	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/28/08	14:00	2.128	0.668	0.210	94.223	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/28/08	15:00	2.13	0.670	0.212	94.921	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/28/08	16:00	2.129	0.669	0.211	94.572	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/28/08	17:00	2.132	0.672	0.213	95.623	1.431	0.085	0.025907	0.011728	0.414220	185.902
11/28/08	18:00	2.132	0.672	0.213	95.623	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/28/08	19:00	2.133	0.673	0.214	95.975	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	20:00	2.131	0.671	0.212	95.272	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	21:00	2.133	0.673	0.214	95.975	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	22:00	2.133	0.673	0.214	95.975	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/28/08	23:00	2.131	0.671	0.212	95.272	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/29/08	0:00	2.131	0.671	0.212	95.272	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/29/08	1:00	2.131	0.671	0.212	95.272	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/29/08	2:00	2.141	0.681	0.220	98.819	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	3:00	2.143	0.683	0.222	99.538	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	4:00	2.146	0.686	0.224	100.622	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	5:00	2.153	0.693	0.230	103.179	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/29/08	6:00	2.15	0.690	0.227	102.078	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/29/08	7:00	2.153	0.693	0.230	103.179	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/29/08	8:00	2.15	0.690	0.227	102.078	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/29/08	9:00	2.148	0.688	0.226	101.348	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	10:00	2.146	0.686	0.224	100.622	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	11:00	2.141	0.681	0.220	98.819	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	12:00	2.148	0.688	0.226	101.348	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	13:00	2.152	0.692	0.229	102.811	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	14:00	2.154	0.694	0.231	103.547	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/29/08	15:00	2.152	0.692	0.229	102.811	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/29/08	16:00	2.154	0.694	0.231	103.547	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/29/08	17:00	2.152	0.692	0.229	102.811	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	18:00	2.154	0.694	0.231	103.547	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	19:00	2.145	0.685	0.223	100.260	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	20:00	2.155	0.695	0.232	103.916	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/29/08	21:00	2.143	0.683	0.222	99.538	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/29/08	22:00	2.141	0.681	0.220	98.819	1.432	0.086	0.026212	0.011928	0.421279	189.070
11/29/08	23:00	2.139	0.679	0.219	98.103	1.429	0.083	0.025297	0.011331	0.400223	179.620
11/30/08	0:00	2.137	0.677	0.217	97.391	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	1:00	2.142	0.682	0.221	99.178	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	2:00	2.142	0.682	0.221	99.178	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	3:00	2.14	0.680	0.219	98.461	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	4:00	2.143	0.683	0.222	99.538	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	5:00	2.133	0.673	0.214	95.975	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	6:00	2.136	0.676	0.216	97.036	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	7:00	2.136	0.676	0.216	97.036	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	8:00	2.129	0.669	0.211	94.572	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08	9:00	2.135	0.675	0.215	96.681	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

	V-Notch Weir				R-Notch Weir					
	Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
11/30/08 10:00	2.137	0.677	0.217	97.391	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/30/08 11:00	2.13	0.670	0.212	94.921	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/30/08 12:00	2.134	0.674	0.215	96.328	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/30/08 13:00	2.133	0.673	0.214	95.975	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 14:00	2.13	0.670	0.212	94.921	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 15:00	2.125	0.665	0.208	93.181	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/30/08 16:00	2.132	0.672	0.213	95.623	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/30/08 17:00	2.122	0.662	0.205	92.146	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 18:00	2.136	0.676	0.216	97.036	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 19:00	2.13	0.670	0.212	94.921	1.434	0.088	0.026821	0.012331	0.435514	195.459
11/30/08 20:00	2.132	0.672	0.213	95.623	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 21:00	2.14	0.680	0.219	98.461	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 22:00	2.133	0.673	0.214	95.975	1.436	0.09	0.027431	0.012738	0.449907	201.918
11/30/08 23:00	2.138	0.678	0.218	97.747	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/1/08 0:00	2.138	0.678	0.218	97.747	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/1/08 1:00	2.138	0.678	0.218	97.747	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/1/08 2:00	2.129	0.669	0.211	94.572	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/1/08 3:00	2.127	0.667	0.209	93.875	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/1/08 4:00	2.129	0.669	0.211	94.572	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08 5:00	2.129	0.669	0.211	94.572	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08 6:00	2.132	0.672	0.213	95.623	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/1/08 7:00	2.121	0.661	0.205	91.802	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08 8:00	2.121	0.661	0.205	91.802	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08 9:00	2.114	0.654	0.199	89.419	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08 10:00	2.116	0.656	0.201	90.096	1.429	0.083	0.025297	0.011331	0.400223	179.620

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/1/08	11:00	2.114	0.654	0.199	89.419	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	12:00	2.111	0.651	0.197	88.409	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	13:00	2.117	0.657	0.202	90.436	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	14:00	2.122	0.662	0.205	92.146	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	15:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/1/08	16:00	2.119	0.659	0.203	91.117	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	17:00	2.116	0.656	0.201	90.096	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	18:00	2.121	0.661	0.205	91.802	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	19:00	2.121	0.661	0.205	91.802	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	20:00	2.122	0.662	0.205	92.146	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	21:00	2.12	0.660	0.204	91.459	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	22:00	2.122	0.662	0.205	92.146	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/1/08	23:00	2.115	0.655	0.200	89.757	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	0:00	2.116	0.656	0.201	90.096	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/2/08	1:00	2.111	0.651	0.197	88.409	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/2/08	2:00	2.114	0.654	0.199	89.419	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/2/08	3:00	2.111	0.651	0.197	88.409	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/2/08	4:00	2.116	0.656	0.201	90.096	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	5:00	2.116	0.656	0.201	90.096	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/2/08	6:00	2.119	0.659	0.203	91.117	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	7:00	2.123	0.663	0.206	92.490	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	8:00	2.121	0.661	0.205	91.802	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	9:00	2.118	0.658	0.202	90.776	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	10:00	2.125	0.665	0.208	93.181	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/2/08	11:00	2.12	0.660	0.204	91.459	1.431	0.085	0.025907	0.011728	0.414220	185.902

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/2/08	12:00	2.124	0.664	0.207	92.835	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/2/08	13:00	2.127	0.667	0.209	93.875	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	14:00	2.133	0.673	0.214	95.975	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/2/08	15:00	2.133	0.673	0.214	95.975	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	16:00	2.139	0.679	0.219	98.103	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	17:00	2.144	0.684	0.223	99.898	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	18:00	2.139	0.679	0.219	98.103	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	19:00	2.14	0.680	0.219	98.461	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	20:00	2.14	0.680	0.219	98.461	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/2/08	21:00	2.138	0.678	0.218	97.747	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/2/08	22:00	2.136	0.676	0.216	97.036	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/2/08	23:00	2.139	0.679	0.219	98.103	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/3/08	0:00	2.146	0.686	0.224	100.622	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/3/08	1:00	2.137	0.677	0.217	97.391	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/3/08	2:00	2.137	0.677	0.217	97.391	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/3/08	3:00	2.135	0.675	0.215	96.681	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/3/08	4:00	2.128	0.668	0.210	94.223	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/3/08	5:00	2.131	0.671	0.212	95.272	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/3/08	6:00	2.138	0.678	0.218	97.747	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/3/08	7:00	2.134	0.674	0.215	96.328	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/3/08	8:00	2.137	0.677	0.217	97.391	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/3/08	9:00	2.133	0.673	0.214	95.975	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	10:00	2.126	0.666	0.208	93.527	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	11:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/3/08	12:00	2.121	0.661	0.205	91.802	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/3/08	13:00	2.111	0.651	0.197	88.409	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/3/08	14:00	2.108	0.648	0.195	87.406	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	15:00	2.11	0.650	0.196	88.074	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/3/08	16:00	2.11	0.650	0.196	88.074	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	17:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	18:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	19:00	2.115	0.655	0.200	89.757	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	20:00	2.113	0.653	0.198	89.082	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	21:00	2.111	0.651	0.197	88.409	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/3/08	22:00	2.109	0.649	0.195	87.740	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/3/08	23:00	2.105	0.645	0.193	86.410	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/4/08	0:00	2.105	0.645	0.193	86.410	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/4/08	1:00	2.1	0.640	0.189	84.765	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/4/08	2:00	2.103	0.643	0.191	85.750	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	3:00	2.098	0.638	0.187	84.113	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/4/08	4:00	2.096	0.636	0.186	83.463	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/4/08	5:00	2.096	0.636	0.186	83.463	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/4/08	6:00	2.099	0.639	0.188	84.439	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	7:00	2.096	0.636	0.186	83.463	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	8:00	2.094	0.634	0.185	82.817	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	9:00	2.092	0.632	0.183	82.173	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	10:00	2.087	0.627	0.180	80.577	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	11:00	2.094	0.634	0.185	82.817	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	12:00	2.087	0.627	0.180	80.577	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	13:00	2.088	0.628	0.180	80.895	1.42	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/4/08	14:00	2.097	0.637	0.187	83.788	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	15:00	2.095	0.635	0.185	83.140	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	16:00	2.097	0.637	0.187	83.788	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	17:00	2.099	0.639	0.188	84.439	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	18:00	2.102	0.642	0.190	85.421	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	19:00	2.1	0.640	0.189	84.765	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	20:00	2.1	0.640	0.189	84.765	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	21:00	2.098	0.638	0.187	84.113	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	22:00	2.093	0.633	0.184	82.494	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/4/08	23:00	2.091	0.631	0.182	81.852	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	0:00	2.084	0.624	0.177	79.629	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	1:00	2.082	0.622	0.176	79.000	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	2:00	2.085	0.625	0.178	79.944	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	3:00	2.082	0.622	0.176	79.000	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	4:00	2.085	0.625	0.178	79.944	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	5:00	2.078	0.618	0.173	77.752	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	6:00	2.078	0.618	0.173	77.752	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	7:00	2.08	0.620	0.175	78.375	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	8:00	2.078	0.618	0.173	77.752	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/5/08	9:00	2.078	0.618	0.173	77.752	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/5/08	10:00	2.08	0.620	0.175	78.375	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/5/08	11:00	2.084	0.624	0.177	79.629	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/5/08	12:00	2.088	0.628	0.180	80.895	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/5/08	13:00	2.09	0.630	0.182	81.532	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/5/08	14:00	2.092	0.632	0.183	82.173	1.424	0.078	0.023773	0.010361	0.365940	164.234

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/5/08	15:00	2.106	0.646	0.193	86.742	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/5/08	16:00	2.117	0.657	0.202	90.436	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/5/08	17:00	2.125	0.665	0.208	93.181	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/5/08	18:00	2.13	0.670	0.212	94.921	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/5/08	19:00	2.135	0.675	0.215	96.681	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/5/08	20:00	2.137	0.677	0.217	97.391	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/5/08	21:00	2.137	0.677	0.217	97.391	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/5/08	22:00	2.142	0.682	0.221	99.178	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/5/08	23:00	2.142	0.682	0.221	99.178	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	0:00	2.146	0.686	0.224	100.622	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	1:00	2.144	0.684	0.223	99.898	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	2:00	2.148	0.688	0.226	101.348	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	3:00	2.146	0.686	0.224	100.622	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	4:00	2.148	0.688	0.226	101.348	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	5:00	2.141	0.681	0.220	98.819	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/6/08	6:00	2.146	0.686	0.224	100.622	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	7:00	2.144	0.684	0.223	99.898	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	8:00	2.149	0.689	0.227	101.713	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	9:00	2.142	0.682	0.221	99.178	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/6/08	10:00	2.132	0.672	0.213	95.623	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	11:00	2.132	0.672	0.213	95.623	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	12:00	2.143	0.683	0.222	99.538	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	13:00	2.136	0.676	0.216	97.036	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	14:00	2.138	0.678	0.218	97.747	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	15:00	2.129	0.669	0.211	94.572	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/6/08	16:00	2.133	0.673	0.214	95.975	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/6/08	17:00	2.131	0.671	0.212	95.272	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	18:00	2.132	0.672	0.213	95.623	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	19:00	2.13	0.670	0.212	94.921	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/6/08	20:00	2.126	0.666	0.208	93.527	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/6/08	21:00	2.124	0.664	0.207	92.835	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/6/08	22:00	2.121	0.661	0.205	91.802	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/6/08	23:00	2.114	0.654	0.199	89.419	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	0:00	2.112	0.652	0.198	88.745	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	1:00	2.11	0.650	0.196	88.074	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	2:00	2.11	0.650	0.196	88.074	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/7/08	3:00	2.107	0.647	0.194	87.074	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	4:00	2.112	0.652	0.198	88.745	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/7/08	5:00	2.103	0.643	0.191	85.750	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	6:00	2.105	0.645	0.193	86.410	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/7/08	7:00	2.105	0.645	0.193	86.410	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	8:00	2.103	0.643	0.191	85.750	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/7/08	9:00	2.101	0.641	0.190	85.093	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	10:00	2.108	0.648	0.195	87.406	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/7/08	11:00	2.101	0.641	0.190	85.093	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	12:00	2.1	0.640	0.189	84.765	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	13:00	2.104	0.644	0.192	86.080	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	14:00	2.105	0.645	0.193	86.410	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/7/08	15:00	2.109	0.649	0.195	87.740	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/7/08	16:00	2.118	0.658	0.202	90.776	1.427	0.081	0.024688	0.010940	0.386387	173.411

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/7/08	17:00	2.126	0.666	0.208	93.527	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/7/08	18:00	2.131	0.671	0.212	95.272	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/7/08	19:00	2.133	0.673	0.214	95.975	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/7/08	20:00	2.133	0.673	0.214	95.975	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/7/08	21:00	2.131	0.671	0.212	95.272	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/7/08	22:00	2.131	0.671	0.212	95.272	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/7/08	23:00	2.136	0.676	0.216	97.036	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/8/08	0:00	2.134	0.674	0.215	96.328	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	1:00	2.136	0.676	0.216	97.036	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	2:00	2.136	0.676	0.216	97.036	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/8/08	3:00	2.136	0.676	0.216	97.036	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	4:00	2.136	0.676	0.216	97.036	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	5:00	2.134	0.674	0.215	96.328	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	6:00	2.136	0.676	0.216	97.036	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	7:00	2.134	0.674	0.215	96.328	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/8/08	8:00	2.136	0.676	0.216	97.036	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/8/08	9:00	2.136	0.676	0.216	97.036	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/8/08	10:00	2.138	0.678	0.218	97.747	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/8/08	11:00	2.14	0.680	0.219	98.461	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	12:00	2.14	0.680	0.219	98.461	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	13:00	2.146	0.686	0.224	100.622	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	14:00	2.148	0.688	0.226	101.348	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	15:00	2.155	0.695	0.232	103.916	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/8/08	16:00	2.159	0.699	0.235	105.401	1.436	0.09	0.027431	0.012738	0.449907	201.918
12/8/08	17:00	2.162	0.702	0.237	106.523	1.434	0.088	0.026821	0.012331	0.435514	195.459

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/8/08	18:00	2.162	0.702	0.237	106.523	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/8/08	19:00	2.162	0.702	0.237	106.523	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/8/08	20:00	2.158	0.698	0.234	105.029	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/8/08	21:00	2.151	0.691	0.228	102.444	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	22:00	2.151	0.691	0.228	102.444	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/8/08	23:00	2.144	0.684	0.223	99.898	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/9/08	0:00	2.147	0.687	0.225	100.985	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/9/08	1:00	2.15	0.690	0.227	102.078	1.431	0.085	0.025907	0.011728	0.414220	185.902
12/9/08	2:00	2.143	0.683	0.222	99.538	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/9/08	3:00	2.141	0.681	0.220	98.819	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/9/08	4:00	2.133	0.673	0.214	95.975	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/9/08	5:00	2.131	0.671	0.212	95.272	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/9/08	6:00	2.131	0.671	0.212	95.272	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/9/08	7:00	2.125	0.665	0.208	93.181	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/9/08	8:00	2.127	0.667	0.209	93.875	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/9/08	9:00	2.127	0.667	0.209	93.875	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/9/08	10:00	2.132	0.672	0.213	95.623	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/9/08	11:00	2.104	0.644	0.192	86.080	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/9/08	12:00	2.097	0.637	0.187	83.788	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/9/08	13:00	2.09	0.630	0.182	81.532	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/9/08	14:00	2.088	0.628	0.180	80.895	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/9/08	15:00	2.09	0.630	0.182	81.532	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/9/08	16:00	2.083	0.623	0.177	79.314	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/9/08	17:00	2.064	0.604	0.164	73.477	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/9/08	18:00	2.06	0.600	0.161	72.282	1.422	0.076	0.023164	0.009981	0.352516	158.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/9/08	19:00	2.048	0.588	0.153	68.767	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/9/08	20:00	2.039	0.579	0.148	66.200	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/9/08	21:00	2.037	0.577	0.146	65.638	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/9/08	22:00	2.025	0.565	0.139	62.323	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/9/08	23:00	2.02	0.560	0.136	60.972	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	0:00	2.013	0.553	0.132	59.110	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	1:00	2.01	0.550	0.130	58.323	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/10/08	2:00	2.005	0.545	0.127	57.025	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	3:00	2.001	0.541	0.125	55.999	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	4:00	1.994	0.534	0.121	54.231	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/10/08	5:00	1.989	0.529	0.118	52.988	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/10/08	6:00	1.986	0.526	0.116	52.251	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/10/08	7:00	1.982	0.522	0.114	51.278	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/10/08	8:00	1.979	0.519	0.113	50.555	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/10/08	9:00	1.972	0.512	0.109	48.893	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/10/08	10:00	1.977	0.517	0.112	50.077	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/10/08	11:00	1.988	0.528	0.118	52.742	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/10/08	12:00	1.98	0.520	0.113	50.796	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	13:00	1.989	0.529	0.118	52.988	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	14:00	1.998	0.538	0.123	55.237	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/10/08	15:00	2.007	0.547	0.128	57.542	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/10/08	16:00	2.009	0.549	0.129	58.062	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/10/08	17:00	2.014	0.554	0.132	59.374	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	18:00	2.012	0.552	0.131	58.847	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/10/08	19:00	2.008	0.548	0.129	57.802	1.417	0.071	0.021640	0.009052	0.319698	143.480

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/10/08	20:00	2.006	0.546	0.128	57.283	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	21:00	2.003	0.543	0.126	56.511	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	22:00	2.001	0.541	0.125	55.999	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/10/08	23:00	1.997	0.537	0.123	54.984	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	0:00	1.994	0.534	0.121	54.231	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	1:00	1.994	0.534	0.121	54.231	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	2:00	1.987	0.527	0.117	52.496	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	3:00	1.985	0.525	0.116	52.007	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	4:00	1.987	0.527	0.117	52.496	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/11/08	5:00	1.983	0.523	0.115	51.520	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	6:00	1.978	0.518	0.112	50.316	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	7:00	1.978	0.518	0.112	50.316	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	8:00	1.978	0.518	0.112	50.316	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	9:00	1.97	0.510	0.108	48.424	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/11/08	10:00	1.97	0.510	0.108	48.424	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	11:00	1.968	0.508	0.107	47.958	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/11/08	12:00	1.974	0.514	0.110	49.365	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/11/08	13:00	1.973	0.513	0.109	49.129	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/11/08	14:00	1.979	0.519	0.113	50.555	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/11/08	15:00	1.991	0.531	0.119	53.483	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/11/08	16:00	1.988	0.528	0.118	52.742	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/11/08	17:00	1.998	0.538	0.123	55.237	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/11/08	18:00	1.994	0.534	0.121	54.231	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/11/08	19:00	1.989	0.529	0.118	52.988	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/11/08	20:00	1.98	0.520	0.113	50.796	1.422	0.076	0.023164	0.009981	0.352516	158.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/11/08	21:00	1.98	0.520	0.113	50.796	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/11/08	22:00	1.978	0.518	0.112	50.316	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/11/08	23:00	1.973	0.513	0.109	49.129	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/12/08	0:00	1.974	0.514	0.110	49.365	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/12/08	1:00	1.972	0.512	0.109	48.893	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/12/08	2:00	1.965	0.505	0.105	47.264	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/12/08	3:00	1.96	0.500	0.103	46.120	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/12/08	4:00	1.958	0.498	0.102	45.668	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	5:00	1.956	0.496	0.101	45.218	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	6:00	1.954	0.494	0.100	44.770	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	7:00	1.952	0.492	0.099	44.326	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	8:00	1.943	0.483	0.094	42.357	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	9:00	1.943	0.483	0.094	42.357	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	10:00	1.945	0.485	0.095	42.790	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	11:00	1.94	0.480	0.093	41.713	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	12:00	1.937	0.477	0.092	41.075	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/12/08	13:00	1.933	0.473	0.090	40.233	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/12/08	14:00	1.939	0.479	0.092	41.500	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/12/08	15:00	1.943	0.483	0.094	42.357	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/12/08	16:00	1.955	0.495	0.100	44.994	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/12/08	17:00	1.958	0.498	0.102	45.668	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/12/08	18:00	1.958	0.498	0.102	45.668	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/12/08	19:00	1.954	0.494	0.100	44.770	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/12/08	20:00	1.954	0.494	0.100	44.770	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/12/08	21:00	1.952	0.492	0.099	44.326	1.424	0.078	0.023773	0.010361	0.365940	164.234

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/12/08	22:00	1.95	0.490	0.098	43.884	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/12/08	23:00	1.948	0.488	0.097	43.444	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	0:00	1.946	0.486	0.096	43.008	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	1:00	1.949	0.489	0.097	43.664	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	2:00	1.946	0.486	0.096	43.008	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	3:00	1.944	0.484	0.095	42.574	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	4:00	1.944	0.484	0.095	42.574	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	5:00	1.944	0.484	0.095	42.574	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	6:00	1.942	0.482	0.094	42.142	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	7:00	1.942	0.482	0.094	42.142	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/13/08	8:00	1.94	0.480	0.093	41.713	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/13/08	9:00	1.937	0.477	0.092	41.075	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	10:00	1.947	0.487	0.096	43.226	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/13/08	11:00	1.943	0.483	0.094	42.357	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/13/08	12:00	1.941	0.481	0.093	41.927	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/13/08	13:00	1.939	0.479	0.092	41.500	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/13/08	14:00	1.94	0.480	0.093	41.713	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	15:00	1.961	0.501	0.103	46.348	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	16:00	1.967	0.507	0.106	47.726	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	17:00	1.965	0.505	0.105	47.264	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	18:00	1.965	0.505	0.105	47.264	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	19:00	1.957	0.497	0.101	45.442	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	20:00	1.952	0.492	0.099	44.326	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/13/08	21:00	1.948	0.488	0.097	43.444	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/13/08	22:00	1.943	0.483	0.094	42.357	1.42	0.074	0.022554	0.009605	0.339261	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/13/08	23:00	1.944	0.484	0.095	42.574	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/14/08	0:00	1.941	0.481	0.093	41.927	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/14/08	1:00	1.941	0.481	0.093	41.927	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/14/08	2:00	1.946	0.486	0.096	43.008	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/14/08	3:00	1.946	0.486	0.096	43.008	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/14/08	4:00	1.946	0.486	0.096	43.008	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/14/08	5:00	1.943	0.483	0.094	42.357	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/14/08	6:00	1.939	0.479	0.092	41.500	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/14/08	7:00	1.932	0.472	0.089	40.024	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/14/08	8:00	1.924	0.464	0.086	38.377	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/14/08	9:00	1.904	0.444	0.077	34.439	1.412	0.066	0.020116	0.008153	0.287966	129.239
12/14/08	10:00	1.91	0.450	0.079	35.594	1.412	0.066	0.020116	0.008153	0.287966	129.239
12/14/08	11:00	1.897	0.437	0.074	33.121	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/14/08	12:00	1.883	0.423	0.068	30.576	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/14/08	13:00	1.874	0.414	0.065	29.005	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/14/08	14:00	1.869	0.409	0.063	28.153	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/14/08	15:00	1.86	0.400	0.059	26.658	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/14/08	16:00	1.851	0.391	0.056	25.212	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/14/08	17:00	1.837	0.377	0.051	23.058	1.405	0.059	0.017982	0.006949	0.245443	110.155
12/14/08	18:00	1.825	0.365	0.047	21.302	1.405	0.059	0.017982	0.006949	0.245443	110.155
12/14/08	19:00	1.799	0.339	0.040	17.781	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/14/08	20:00	1.757	0.297	0.029	12.878	1.441	0.095	0.028955	0.013776	0.486564	218.370
12/14/08	21:00	1.707	0.247	0.018	8.229	1.472	0.126	0.038403	0.020784	0.734098	329.463
12/14/08	22:00	1.689	0.229	0.015	6.853	1.495	0.149	0.045413	0.026571	0.938496	421.197
12/14/08	23:00	1.7	0.240	0.017	7.676	1.519	0.173	0.052728	0.033095	1.168919	524.611

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/15/08	0:00	1.754	0.294	0.028	12.563	1.524	0.178	0.054252	0.034513	1.219010	547.092
12/15/08	1:00	1.724	0.264	0.022	9.671	1.535	0.189	0.057604	0.037703	1.331647	597.643
12/15/08	2:00	1.726	0.266	0.022	9.850	1.543	0.197	0.060043	0.040080	1.415626	635.333
12/15/08	3:00	1.79	0.330	0.037	16.650	1.526	0.18	0.054861	0.035086	1.239242	556.172
12/15/08	4:00	1.764	0.304	0.030	13.630	1.524	0.178	0.054252	0.034513	1.219010	547.092
12/15/08	5:00	1.75	0.290	0.027	12.151	1.517	0.171	0.052118	0.032534	1.149080	515.707
12/15/08	6:00	1.752	0.292	0.028	12.356	1.519	0.173	0.052728	0.033095	1.168919	524.611
12/15/08	7:00	1.759	0.299	0.029	13.090	1.512	0.166	0.050594	0.031143	1.099980	493.671
12/15/08	8:00	1.768	0.308	0.031	14.071	1.503	0.157	0.047851	0.028693	1.013424	454.824
12/15/08	9:00	1.773	0.313	0.033	14.634	1.495	0.149	0.045413	0.026571	0.938496	421.197
12/15/08	10:00	1.78	0.320	0.034	15.445	1.486	0.14	0.042670	0.024251	0.856529	384.410
12/15/08	11:00	1.78	0.320	0.034	15.445	1.479	0.133	0.040536	0.022495	0.794527	356.583
12/15/08	12:00	1.796	0.336	0.039	17.399	1.47	0.124	0.037793	0.020304	0.717127	321.847
12/15/08	13:00	1.812	0.352	0.043	19.494	1.451	0.105	0.032002	0.015931	0.562690	252.535
12/15/08	14:00	1.81	0.350	0.043	19.224	1.439	0.093	0.028345	0.013358	0.471786	211.738
12/15/08	15:00	1.805	0.345	0.041	18.560	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/15/08	16:00	1.808	0.348	0.042	18.957	1.425	0.079	0.024078	0.010553	0.372715	167.274
12/15/08	17:00	1.801	0.341	0.040	18.038	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/15/08	18:00	1.796	0.336	0.039	17.399	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/15/08	19:00	1.791	0.331	0.037	16.773	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/15/08	20:00	1.792	0.332	0.038	16.897	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/15/08	21:00	1.787	0.327	0.036	16.283	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/15/08	22:00	1.785	0.325	0.036	16.041	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/15/08	23:00	1.78	0.320	0.034	15.445	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	0:00	1.78	0.320	0.034	15.445	1.406	0.06	0.018287	0.007117	0.251378	112.818

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/16/08	1:00	1.78	0.320	0.034	15.445	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	2:00	1.778	0.318	0.034	15.211	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	3:00	1.778	0.318	0.034	15.211	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	4:00	1.778	0.318	0.034	15.211	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	5:00	1.778	0.318	0.034	15.211	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	6:00	1.775	0.315	0.033	14.863	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	7:00	1.775	0.315	0.033	14.863	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	8:00	1.775	0.315	0.033	14.863	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	9:00	1.78	0.320	0.034	15.445	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	10:00	1.771	0.311	0.032	14.407	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	11:00	1.778	0.318	0.034	15.211	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	12:00	1.787	0.327	0.036	16.283	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	13:00	1.792	0.332	0.038	16.897	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/16/08	14:00	1.799	0.339	0.040	17.781	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	15:00	1.803	0.343	0.041	18.298	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/16/08	16:00	1.803	0.343	0.041	18.298	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	17:00	1.805	0.345	0.041	18.560	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	18:00	1.807	0.347	0.042	18.824	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	19:00	1.81	0.350	0.043	19.224	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	20:00	1.807	0.347	0.042	18.824	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	21:00	1.81	0.350	0.043	19.224	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/16/08	22:00	1.807	0.347	0.042	18.824	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/16/08	23:00	1.807	0.347	0.042	18.824	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	0:00	1.807	0.347	0.042	18.824	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/17/08	1:00	1.81	0.350	0.043	19.224	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/17/08	2:00	1.805	0.345	0.041	18.560	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	3:00	1.803	0.343	0.041	18.298	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	4:00	1.803	0.343	0.041	18.298	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	5:00	1.798	0.338	0.039	17.653	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	6:00	1.796	0.336	0.039	17.399	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	7:00	1.793	0.333	0.038	17.022	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	8:00	1.796	0.336	0.039	17.399	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	9:00	1.793	0.333	0.038	17.022	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	10:00	1.793	0.333	0.038	17.022	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	11:00	1.793	0.333	0.038	17.022	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	12:00	1.793	0.333	0.038	17.022	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	13:00	1.797	0.337	0.039	17.526	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	14:00	1.799	0.339	0.040	17.781	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	15:00	1.801	0.341	0.040	18.038	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/17/08	16:00	1.808	0.348	0.042	18.957	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/17/08	17:00	1.808	0.348	0.042	18.957	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/17/08	18:00	1.797	0.337	0.039	17.526	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	19:00	1.792	0.332	0.038	16.897	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	20:00	1.792	0.332	0.038	16.897	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	21:00	1.79	0.330	0.037	16.650	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	22:00	1.788	0.328	0.037	16.405	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/17/08	23:00	1.785	0.325	0.036	16.041	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	0:00	1.783	0.323	0.035	15.801	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	1:00	1.783	0.323	0.035	15.801	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	2:00	1.781	0.321	0.035	15.563	1.403	0.057	0.017373	0.006617	0.233715	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/18/08	3:00	1.781	0.321	0.035	15.563	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	4:00	1.783	0.323	0.035	15.801	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	5:00	1.783	0.323	0.035	15.801	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/18/08	6:00	1.779	0.319	0.034	15.328	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	7:00	1.781	0.321	0.035	15.563	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	8:00	1.779	0.319	0.034	15.328	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	9:00	1.779	0.319	0.034	15.328	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	10:00	1.779	0.319	0.034	15.328	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	11:00	1.779	0.319	0.034	15.328	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/18/08	12:00	1.778	0.318	0.034	15.211	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/18/08	13:00	1.782	0.322	0.035	15.682	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/18/08	14:00	1.785	0.325	0.036	16.041	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/18/08	15:00	1.792	0.332	0.038	16.897	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/18/08	16:00	1.792	0.332	0.038	16.897	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/18/08	17:00	1.796	0.336	0.039	17.399	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/18/08	18:00	1.799	0.339	0.040	17.781	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/18/08	19:00	1.797	0.337	0.039	17.526	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/18/08	20:00	1.804	0.344	0.041	18.429	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/18/08	21:00	1.819	0.359	0.046	20.456	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/18/08	22:00	1.84	0.380	0.052	23.510	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/18/08	23:00	1.84	0.380	0.052	23.510	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/19/08	0:00	1.833	0.373	0.050	22.463	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/19/08	1:00	1.819	0.359	0.046	20.456	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/19/08	2:00	1.819	0.359	0.046	20.456	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/19/08	3:00	1.814	0.354	0.044	19.766	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/19/08	4:00	1.814	0.354	0.044	19.766	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/19/08	5:00	1.812	0.352	0.043	19.494	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/19/08	6:00	1.802	0.342	0.040	18.168	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/19/08	7:00	1.802	0.342	0.040	18.168	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	8:00	1.8	0.340	0.040	17.909	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	9:00	1.798	0.338	0.039	17.653	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	10:00	1.793	0.333	0.038	17.022	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	11:00	1.79	0.330	0.037	16.650	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	12:00	1.787	0.327	0.036	16.283	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	13:00	1.792	0.332	0.038	16.897	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	14:00	1.789	0.329	0.037	16.527	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	15:00	1.793	0.333	0.038	17.022	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	16:00	1.791	0.331	0.037	16.773	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/19/08	17:00	1.799	0.339	0.040	17.781	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/19/08	18:00	1.797	0.337	0.039	17.526	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	19:00	1.797	0.337	0.039	17.526	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	20:00	1.794	0.334	0.038	17.147	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	21:00	1.792	0.332	0.038	16.897	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	22:00	1.792	0.332	0.038	16.897	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/19/08	23:00	1.792	0.332	0.038	16.897	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/20/08	0:00	1.79	0.330	0.037	16.650	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/20/08	1:00	1.792	0.332	0.038	16.897	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	2:00	1.787	0.327	0.036	16.283	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	3:00	1.792	0.332	0.038	16.897	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	4:00	1.79	0.330	0.037	16.650	1.41	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/20/08	5:00	1.785	0.325	0.036	16.041	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	6:00	1.785	0.325	0.036	16.041	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	7:00	1.787	0.327	0.036	16.283	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	8:00	1.787	0.327	0.036	16.283	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	9:00	1.785	0.325	0.036	16.041	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	10:00	1.783	0.323	0.035	15.801	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	11:00	1.788	0.328	0.037	16.405	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	12:00	1.791	0.331	0.037	16.773	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/20/08	13:00	1.774	0.314	0.033	14.748	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/20/08	14:00	1.767	0.307	0.031	13.960	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/20/08	15:00	1.776	0.316	0.033	14.979	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/20/08	16:00	1.774	0.314	0.033	14.748	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/20/08	17:00	1.77	0.310	0.032	14.295	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/20/08	18:00	1.765	0.305	0.031	13.739	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/20/08	19:00	1.763	0.303	0.030	13.521	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/20/08	20:00	1.756	0.296	0.028	12.772	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/20/08	21:00	1.756	0.296	0.028	12.772	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/20/08	22:00	1.754	0.294	0.028	12.563	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/20/08	23:00	1.754	0.294	0.028	12.563	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/21/08	0:00	1.751	0.291	0.027	12.253	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	1:00	1.749	0.289	0.027	12.049	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	2:00	1.749	0.289	0.027	12.049	1.403	0.057	0.017373	0.006617	0.233715	104.891
12/21/08	3:00	1.747	0.287	0.026	11.848	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	4:00	1.742	0.282	0.025	11.352	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	5:00	1.74	0.280	0.025	11.157	1.401	0.055	0.016763	0.006291	0.222180	99.714

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/21/08	6:00	1.738	0.278	0.024	10.964	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	7:00	1.738	0.278	0.024	10.964	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	8:00	1.738	0.278	0.024	10.964	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	9:00	1.738	0.278	0.024	10.964	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	10:00	1.733	0.273	0.023	10.491	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	11:00	1.74	0.280	0.025	11.157	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/21/08	12:00	1.733	0.273	0.023	10.491	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	13:00	1.735	0.275	0.024	10.679	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/21/08	14:00	1.742	0.282	0.025	11.352	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/21/08	15:00	1.735	0.275	0.024	10.679	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	16:00	1.73	0.270	0.023	10.213	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/21/08	17:00	1.732	0.272	0.023	10.398	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/21/08	18:00	1.723	0.263	0.021	9.582	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/21/08	19:00	1.721	0.261	0.021	9.406	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/21/08	20:00	1.723	0.263	0.021	9.582	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/21/08	21:00	1.719	0.259	0.021	9.232	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/21/08	22:00	1.719	0.259	0.021	9.232	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/21/08	23:00	1.721	0.261	0.021	9.406	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/22/08	0:00	1.721	0.261	0.021	9.406	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/22/08	1:00	1.719	0.259	0.021	9.232	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/22/08	2:00	1.719	0.259	0.021	9.232	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/22/08	3:00	1.719	0.259	0.021	9.232	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/22/08	4:00	1.716	0.256	0.020	8.975	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/22/08	5:00	1.719	0.259	0.021	9.232	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/22/08	6:00	1.719	0.259	0.021	9.232	1.394	0.048	0.014630	0.005192	0.183377	82.300

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/22/08	7:00	1.714	0.254	0.020	8.806	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/22/08	8:00	1.717	0.257	0.020	9.060	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/22/08	9:00	1.717	0.257	0.020	9.060	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/22/08	10:00	1.719	0.259	0.021	9.232	1.392	0.046	0.014020	0.004891	0.172754	77.532
12/22/08	11:00	1.716	0.256	0.020	8.975	1.378	0.032	0.009753	0.002963	0.104644	46.964
12/22/08	12:00	1.721	0.261	0.021	9.406	1.378	0.032	0.009753	0.002963	0.104644	46.964
12/22/08	13:00	1.721	0.261	0.021	9.406	1.378	0.032	0.009753	0.002963	0.104644	46.964
12/22/08	14:00	1.723	0.263	0.021	9.582	1.385	0.039	0.011887	0.003887	0.137285	61.614
12/22/08	15:00	1.725	0.265	0.022	9.760	1.385	0.039	0.011887	0.003887	0.137285	61.614
12/22/08	16:00	1.73	0.270	0.023	10.213	1.385	0.039	0.011887	0.003887	0.137285	61.614
12/22/08	17:00	1.727	0.267	0.022	9.940	1.375	0.029	0.008839	0.002593	0.091584	41.103
12/22/08	18:00	1.73	0.270	0.023	10.213	1.387	0.041	0.012496	0.004166	0.147141	66.037
12/22/08	19:00	1.73	0.270	0.023	10.213	1.387	0.041	0.012496	0.004166	0.147141	66.037
12/22/08	20:00	1.732	0.272	0.023	10.398	1.389	0.043	0.013106	0.004451	0.157222	70.561
12/22/08	21:00	1.735	0.275	0.024	10.679	1.385	0.039	0.011887	0.003887	0.137285	61.614
12/22/08	22:00	1.742	0.282	0.025	11.352	1.387	0.041	0.012496	0.004166	0.147141	66.037
12/22/08	23:00	1.737	0.277	0.024	10.869	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/23/08	0:00	1.739	0.279	0.025	11.060	1.387	0.041	0.012496	0.004166	0.147141	66.037
12/23/08	1:00	1.737	0.277	0.024	10.869	1.378	0.032	0.009753	0.002963	0.104644	46.964
12/23/08	2:00	1.742	0.282	0.025	11.352	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/23/08	3:00	1.742	0.282	0.025	11.352	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/23/08	4:00	1.741	0.281	0.025	11.254	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/23/08	5:00	1.739	0.279	0.025	11.060	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	6:00	1.744	0.284	0.026	11.549	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/23/08	7:00	1.744	0.284	0.026	11.549	1.394	0.048	0.014630	0.005192	0.183377	82.300

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/23/08	8:00	1.744	0.284	0.026	11.549	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/23/08	9:00	1.744	0.284	0.026	11.549	1.387	0.041	0.012496	0.004166	0.147141	66.037
12/23/08	10:00	1.741	0.281	0.025	11.254	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/23/08	11:00	1.738	0.278	0.024	10.964	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/23/08	12:00	1.743	0.283	0.026	11.450	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/23/08	13:00	1.738	0.278	0.024	10.964	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/23/08	14:00	1.747	0.287	0.026	11.848	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	15:00	1.747	0.287	0.026	11.848	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/23/08	16:00	1.744	0.284	0.026	11.549	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/23/08	17:00	1.747	0.287	0.026	11.848	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/23/08	18:00	1.747	0.287	0.026	11.848	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	19:00	1.75	0.290	0.027	12.151	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	20:00	1.745	0.285	0.026	11.648	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	21:00	1.745	0.285	0.026	11.648	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	22:00	1.743	0.283	0.026	11.450	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/23/08	23:00	1.743	0.283	0.026	11.450	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/24/08	0:00	1.741	0.281	0.025	11.254	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/24/08	1:00	1.739	0.279	0.025	11.060	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/24/08	2:00	1.734	0.274	0.024	10.585	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/24/08	3:00	1.741	0.281	0.025	11.254	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/24/08	4:00	1.734	0.274	0.024	10.585	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/24/08	5:00	1.737	0.277	0.024	10.869	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/24/08	6:00	1.734	0.274	0.024	10.585	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/24/08	7:00	1.73	0.270	0.023	10.213	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/24/08	8:00	1.725	0.265	0.022	9.760	1.399	0.053	0.016154	0.005969	0.210842	94.626

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/24/08	9:00	1.725	0.265	0.022	9.760	1.399	0.053	0.016154	0.005969	0.210842	94.626
12/24/08	10:00	1.725	0.265	0.022	9.760	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/24/08	11:00	1.72	0.260	0.021	9.319	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/24/08	12:00	1.727	0.267	0.022	9.940	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/24/08	13:00	1.724	0.264	0.022	9.671	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/24/08	14:00	1.724	0.264	0.022	9.671	1.389	0.043	0.013106	0.004451	0.157222	70.561
12/24/08	15:00	1.719	0.259	0.021	9.232	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/24/08	16:00	1.719	0.259	0.021	9.232	1.389	0.043	0.013106	0.004451	0.157222	70.561
12/24/08	17:00	1.717	0.257	0.020	9.060	1.392	0.046	0.014020	0.004891	0.172754	77.532
12/24/08	18:00	1.719	0.259	0.021	9.232	1.387	0.041	0.012496	0.004166	0.147141	66.037
12/24/08	19:00	1.717	0.257	0.020	9.060	1.392	0.046	0.014020	0.004891	0.172754	77.532
12/24/08	20:00	1.715	0.255	0.020	8.890	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/24/08	21:00	1.715	0.255	0.020	8.890	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/24/08	22:00	1.715	0.255	0.020	8.890	1.394	0.048	0.014630	0.005192	0.183377	82.300
12/24/08	23:00	1.713	0.253	0.019	8.722	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/25/08	0:00	1.713	0.253	0.019	8.722	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/25/08	1:00	1.713	0.253	0.019	8.722	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/25/08	2:00	1.715	0.255	0.020	8.890	1.397	0.051	0.015544	0.005654	0.199703	89.627
12/25/08	3:00	1.711	0.251	0.019	8.556	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/25/08	4:00	1.711	0.251	0.019	8.556	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/25/08	5:00	1.713	0.253	0.019	8.722	1.401	0.055	0.016763	0.006291	0.222180	99.714
12/25/08	6:00	1.711	0.251	0.019	8.556	1.404	0.058	0.017678	0.006782	0.239555	107.512
12/25/08	7:00	1.713	0.253	0.019	8.722	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/25/08	8:00	1.713	0.253	0.019	8.722	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/25/08	9:00	1.711	0.251	0.019	8.556	1.397	0.051	0.015544	0.005654	0.199703	89.627

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/25/08	10:00	1.711	0.251	0.019	8.556	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/25/08	11:00	1.713	0.253	0.019	8.722	1.406	0.06	0.018287	0.007117	0.251378	112.818
12/25/08	12:00	1.71	0.250	0.019	8.474	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/25/08	13:00	1.719	0.259	0.021	9.232	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/25/08	14:00	1.719	0.259	0.021	9.232	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/25/08	15:00	1.726	0.266	0.022	9.850	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/25/08	16:00	1.721	0.261	0.021	9.406	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/25/08	17:00	1.726	0.266	0.022	9.850	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/25/08	18:00	1.724	0.264	0.022	9.671	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/25/08	19:00	1.726	0.266	0.022	9.850	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/25/08	20:00	1.728	0.268	0.022	10.030	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/25/08	21:00	1.731	0.271	0.023	10.305	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/25/08	22:00	1.731	0.271	0.023	10.305	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/25/08	23:00	1.731	0.271	0.023	10.305	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	0:00	1.733	0.273	0.023	10.491	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	1:00	1.735	0.275	0.024	10.679	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	2:00	1.735	0.275	0.024	10.679	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	3:00	1.733	0.273	0.023	10.491	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	4:00	1.737	0.277	0.024	10.869	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	5:00	1.74	0.280	0.025	11.157	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	6:00	1.742	0.282	0.025	11.352	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/26/08	7:00	1.744	0.284	0.026	11.549	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	8:00	1.749	0.289	0.027	12.049	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/26/08	9:00	1.753	0.293	0.028	12.459	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/26/08	10:00	1.765	0.305	0.031	13.739	1.415	0.069	0.021030	0.008688	0.306873	137.724

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/26/08	11:00	1.786	0.326	0.036	16.162	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/26/08	12:00	1.809	0.349	0.043	19.090	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/26/08	13:00	1.832	0.372	0.050	22.316	1.427	0.081	0.024688	0.010940	0.386387	173.411
12/26/08	14:00	1.872	0.412	0.064	28.662	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/26/08	15:00	1.923	0.463	0.085	38.174	1.444	0.098	0.029869	0.014412	0.509013	228.445
12/26/08	16:00	2.145	0.685	0.223	100.260	1.489	0.143	0.043584	0.025016	0.883573	396.548
12/26/08	17:00	2.177	0.717	0.250	112.239	1.503	0.157	0.047851	0.028693	1.013424	454.824
12/26/08	18:00	2.14	0.680	0.219	98.461	1.491	0.145	0.044194	0.025531	0.901758	404.709
12/26/08	19:00	2.178	0.718	0.251	112.627	1.508	0.162	0.049375	0.030046	1.061219	476.275
12/26/08	20:00	2.174	0.714	0.248	111.082	1.503	0.157	0.047851	0.028693	1.013424	454.824
12/26/08	21:00	2.157	0.697	0.233	104.657	1.493	0.147	0.044803	0.026050	0.920066	412.925
12/26/08	22:00	2.143	0.683	0.222	99.538	1.489	0.143	0.043584	0.025016	0.883573	396.548
12/26/08	23:00	2.114	0.654	0.199	89.419	1.479	0.133	0.040536	0.022495	0.794527	356.583
12/27/08	0:00	2.065	0.605	0.164	73.777	1.465	0.119	0.036269	0.019119	0.675284	303.068
12/27/08	1:00	1.997	0.537	0.123	54.984	1.451	0.105	0.032002	0.015931	0.562690	252.535
12/27/08	2:00	1.925	0.465	0.086	38.581	1.439	0.093	0.028345	0.013358	0.471786	211.738
12/27/08	3:00	1.885	0.425	0.069	30.933	1.434	0.088	0.026821	0.012331	0.435514	195.459
12/27/08	4:00	1.855	0.395	0.058	25.849	1.429	0.083	0.025297	0.011331	0.400223	179.620
12/27/08	5:00	1.824	0.364	0.047	21.160	1.425	0.079	0.024078	0.010553	0.372715	167.274
12/27/08	6:00	1.803	0.343	0.041	18.298	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/27/08	7:00	1.786	0.326	0.036	16.162	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/27/08	8:00	1.777	0.317	0.034	15.094	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/27/08	9:00	1.765	0.305	0.031	13.739	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/27/08	10:00	1.76	0.300	0.029	13.197	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/27/08	11:00	1.756	0.296	0.028	12.772	1.415	0.069	0.021030	0.008688	0.306873	137.724

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/27/08	12:00	1.748	0.288	0.027	11.948	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/27/08	13:00	1.736	0.276	0.024	10.773	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/27/08	14:00	1.742	0.282	0.025	11.352	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/27/08	15:00	1.74	0.280	0.025	11.157	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/27/08	16:00	1.737	0.277	0.024	10.869	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/27/08	17:00	1.735	0.275	0.024	10.679	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/27/08	18:00	1.733	0.273	0.023	10.491	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/27/08	19:00	1.729	0.269	0.023	10.122	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/27/08	20:00	1.724	0.264	0.022	9.671	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/27/08	21:00	1.722	0.262	0.021	9.494	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/27/08	22:00	1.715	0.255	0.020	8.890	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/27/08	23:00	1.715	0.255	0.020	8.890	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	0:00	1.706	0.246	0.018	8.149	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	1:00	1.708	0.248	0.019	8.310	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	2:00	1.708	0.248	0.019	8.310	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/28/08	3:00	1.706	0.246	0.018	8.149	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	4:00	1.704	0.244	0.018	7.989	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	5:00	1.701	0.241	0.017	7.754	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/28/08	6:00	1.699	0.239	0.017	7.599	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	7:00	1.701	0.241	0.017	7.754	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/28/08	8:00	1.694	0.234	0.016	7.220	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/28/08	9:00	1.692	0.232	0.016	7.072	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	10:00	1.701	0.241	0.017	7.754	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/28/08	11:00	1.707	0.247	0.018	8.229	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	12:00	1.693	0.233	0.016	7.145	1.408	0.062	0.018897	0.007457	0.263390	118.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/28/08	13:00	1.689	0.229	0.015	6.853	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/28/08	14:00	1.702	0.242	0.017	7.832	1.411	0.065	0.019811	0.007977	0.281754	126.451
12/28/08	15:00	1.709	0.249	0.019	8.392	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/28/08	16:00	1.706	0.246	0.018	8.149	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/28/08	17:00	1.711	0.251	0.019	8.556	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/28/08	18:00	1.712	0.252	0.019	8.639	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/28/08	19:00	1.708	0.248	0.019	8.310	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/28/08	20:00	1.704	0.244	0.018	7.989	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/28/08	21:00	1.706	0.246	0.018	8.149	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/28/08	22:00	1.702	0.242	0.017	7.832	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/28/08	23:00	1.707	0.247	0.018	8.229	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/29/08	0:00	1.704	0.244	0.018	7.989	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/29/08	1:00	1.702	0.242	0.017	7.832	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/29/08	2:00	1.7	0.240	0.017	7.676	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/29/08	3:00	1.702	0.242	0.017	7.832	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/29/08	4:00	1.695	0.235	0.016	7.295	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	5:00	1.698	0.238	0.017	7.522	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/29/08	6:00	1.7	0.240	0.017	7.676	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	7:00	1.695	0.235	0.016	7.295	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	8:00	1.693	0.233	0.016	7.145	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	9:00	1.693	0.233	0.016	7.145	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	10:00	1.695	0.235	0.016	7.295	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	11:00	1.69	0.230	0.015	6.925	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	12:00	1.693	0.233	0.016	7.145	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/29/08	13:00	1.702	0.242	0.017	7.832	1.41	0.064	0.019506	0.007803	0.275587	123.683

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/29/08	14:00	1.713	0.253	0.019	8.722	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/29/08	15:00	1.722	0.262	0.021	9.494	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/29/08	16:00	1.731	0.271	0.023	10.305	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/29/08	17:00	1.734	0.274	0.024	10.585	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/29/08	18:00	1.73	0.270	0.023	10.213	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/29/08	19:00	1.726	0.266	0.022	9.850	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/29/08	20:00	1.717	0.257	0.020	9.060	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/29/08	21:00	1.715	0.255	0.020	8.890	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/29/08	22:00	1.713	0.253	0.019	8.722	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/29/08	23:00	1.716	0.256	0.020	8.975	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	0:00	1.707	0.247	0.018	8.229	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/30/08	1:00	1.707	0.247	0.018	8.229	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/30/08	2:00	1.709	0.249	0.019	8.392	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	3:00	1.707	0.247	0.018	8.229	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	4:00	1.702	0.242	0.017	7.832	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	5:00	1.705	0.245	0.018	8.069	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/30/08	6:00	1.696	0.236	0.016	7.370	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	7:00	1.698	0.238	0.017	7.522	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/30/08	8:00	1.698	0.238	0.017	7.522	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/30/08	9:00	1.698	0.238	0.017	7.522	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/30/08	10:00	1.703	0.243	0.018	7.910	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/30/08	11:00	1.697	0.237	0.017	7.446	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/30/08	12:00	1.696	0.236	0.016	7.370	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/30/08	13:00	1.714	0.254	0.020	8.806	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	14:00	1.714	0.254	0.020	8.806	1.422	0.076	0.023164	0.009981	0.352516	158.209

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/30/08	15:00	1.723	0.263	0.021	9.582	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/30/08	16:00	1.735	0.275	0.024	10.679	1.424	0.078	0.023773	0.010361	0.365940	164.234
12/30/08	17:00	1.748	0.288	0.027	11.948	1.422	0.076	0.023164	0.009981	0.352516	158.209
12/30/08	18:00	1.727	0.267	0.022	9.940	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/30/08	19:00	1.731	0.271	0.023	10.305	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/30/08	20:00	1.729	0.269	0.023	10.122	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/30/08	21:00	1.712	0.252	0.019	8.639	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/30/08	22:00	1.698	0.238	0.017	7.522	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/30/08	23:00	1.682	0.222	0.014	6.358	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/31/08	0:00	1.672	0.212	0.013	5.689	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/31/08	1:00	1.682	0.222	0.014	6.358	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/31/08	2:00	1.679	0.219	0.014	6.152	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/31/08	3:00	1.672	0.212	0.013	5.689	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/31/08	4:00	1.663	0.203	0.011	5.124	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/31/08	5:00	1.665	0.205	0.012	5.247	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/31/08	6:00	1.66	0.200	0.011	4.944	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/31/08	7:00	1.653	0.193	0.010	4.538	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/31/08	8:00	1.65	0.190	0.010	4.371	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/31/08	9:00	1.646	0.186	0.009	4.153	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/31/08	10:00	1.648	0.188	0.009	4.261	1.408	0.062	0.018897	0.007457	0.263390	118.209
12/31/08	11:00	1.657	0.197	0.011	4.768	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/31/08	12:00	1.651	0.191	0.010	4.426	1.41	0.064	0.019506	0.007803	0.275587	123.683
12/31/08	13:00	1.643	0.183	0.009	3.994	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/31/08	14:00	1.64	0.180	0.009	3.839	1.413	0.067	0.020421	0.008330	0.294224	132.048
12/31/08	15:00	1.649	0.189	0.010	4.316	1.413	0.067	0.020421	0.008330	0.294224	132.048

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir					
		Measured Water Level		Calculated Rate (ft^3/s = 448.8 gpm)		Measured Water Level			Calculated Rate (ft^3/s = 448.8 gpm)		
Date	Time	(ft above sensor)	(ft above notch)	(ft^3/s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m^3/s)	(ft^3/s)	(gpm)
12/31/08	16:00	1.652	0.192	0.010	4.482	1.418	0.072	0.021945	0.009235	0.326176	146.388
12/31/08	17:00	1.652	0.192	0.010	4.482	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/31/08	18:00	1.652	0.192	0.010	4.482	1.415	0.069	0.021030	0.008688	0.306873	137.724
12/31/08	19:00	1.651	0.191	0.010	4.426	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/31/08	20:00	1.651	0.191	0.010	4.426	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/31/08	21:00	1.654	0.194	0.010	4.595	1.417	0.071	0.021640	0.009052	0.319698	143.480
12/31/08	22:00	1.652	0.192	0.010	4.482	1.42	0.074	0.022554	0.009605	0.339261	152.260
12/31/08	23:00	1.647	0.187	0.009	4.207	1.417	0.071	0.021640	0.009052	0.319698	143.480

Murdock, NE Mean Daily Sapflow Summer 2008 (JD 204-239)

Probe	Tree (n=18)	July 08 DBH (cm)	Probed Drywood (L/day)	Estimated Wetwood (L/day)	Estimated Total Wood (L/day)	Sap Flux (g/cm2-hr)	Probed Drywood (g/hr)	Estimated Wetwood (g/hr)	Estimated Total Wood (g/hr)
1	**W506EC**	10.9	19.2	7.1	26.3	13.13	1577.7	295.3	1096.5
2	**W610WN1**	11.9	37.8	13.9	51.7	24.67	1577.7	581.3	2159.1
3	**W609EC2**	6.4	12.0	4.4	16.5	24.28	502.9	185.3	688.2
4	**W608EC2**	10.2	28.3	10.4	38.8	22.31	1182.7	435.8	1618.6
5	**W608EC2**	10.2	21.3	7.9	29.2	16.81	891.5	328.5	1220.0
6	**W709EC**	11.4	15.4	5.7	21.0	9.56	641.7	236.4	878.1
7	**W607EC1**	10.7	14.2	5.3	19.5	10.14	595.1	219.3	814.4
8	**W505EC1**	9.1	24.3	9.0	33.3	24.43	1015.5	374.2	1389.7
9	**W505EC1**	9.1	21.0	7.7	28.7	21.10	877.1	323.2	1200.3
10	**W504WN1**	10.7	33.5	12.3	45.8	22.92	1398.8	515.4	1914.2
11	**W504WN2**	10.9	28.8	10.6	39.4	18.98	1203.7	443.5	1647.2
12	**W605WN1**	13.7	60.1	22.1	82.2	24.67	2510.1	924.9	3435.0
13	**W605WN1**	13.7	75.0	27.6	102.7	30.79	3132.9	1154.4	4287.3
14	**W606EC1**	9.7	13.1	4.8	17.9	11.48	546.7	201.5	748.2
15	**W706EC2**	9.4	13.1	4.8	17.9	12.29	547.7	201.8	749.5
16	**W707EC2**	11.2	18.1	6.7	24.8	11.73	757.9	279.3	1037.2
17	**W810EC1**	10.0	27.5	10.1	37.6	18.81	1147.7	422.9	1570.6
18	**W809EC1**	10.9	18.0	6.6	24.6	10.59	750.5	276.5	1027.0
19	**W708EC1**	7.1	6.4	2.3	8.7	10.29	265.7	97.9	363.5
20	**W707GA**	2.5	0.4	0.2	0.7	6.53	17.4	9.8	27.2
21	**W708EC2**	11.2	45.9	16.9	62.9	29.69	2547.0	938.5	3485.5

Cottonwood	**Mean**	**9.9**	**19.9**	**7.3**	**27.2**	**16.4**	**923.2**	**321.1**	**1192.5**
tree	**Min**	**6.4**	**6.4**	**2.3**	**8.7**	**9.6**	**265.7**	**97.9**	**363.5**
n=13	**Med**	**10.2**	**18.1**	**6.7**	**24.8**	**13.1**	**757.9**	**279.3**	**1037.2**
	Max	**11.4**	**45.9**	**16.9**	**62.9**	**29.7**	**2547.0**	**938.5**	**3485.5**
	Sdev	**1.6**	**9.4**	**3.4**	**12.8**	**6.5**	**556.2**	**193.9**	**720.1**
	Var	**2.4**	**87.6**	**11.9**	**164.1**	**42.6**	**309315.3**	**37595.1**	**518556.5**
n=810	**Dly Cuml Stand Use**								
	Mean	**L**	**16087.6**	**5927.8**	**22015.3**				
		mm	**2.9**	**1.1**	**4.0**				
	Min	**L**	**5152.0**	**1898.4**	**7050.4**				
		mm	**0.9**	**0.3**	**1.3**				
	Max	**L**	**37213.4**	**13712.1**	**50925.5**				
		mm	**6.8**	**2.5**	**9.3**				
	Ann Cuml Stand Use, 180d								
	Mean	**L**	**2895759.4**	**1067002.1**	**3962761.5**				
		mm	**527.3**	**194.3**	**721.7**				
	Min	**L**	**927359.4**	**341704.7**	**1269064.1**				
		mm	**168.9**	**62.2**	**231.1**				
	Max	**L**	**6698420.3**	**2468170.7**	**9166591.1**				
		mm	**1219.8**	**449.5**	**1669.3**				**Poplar**

Willow	**Mean**	**11.8**	**47.0**	**17.3**	**64.4**	**24.4**	**1964.6**	**723.9**	**2688.5**
tree	**Min**	**10.7**	**28.8**	**10.6**	**39.4**	**19.0**	**1203.7**	**443.5**	**1647.2**
n=4	**Med**	**11.4**	**37.8**	**13.9**	**51.7**	**24.7**	**1577.7**	**581.3**	**2159.1**
	Max	**13.7**	**75.0**	**27.6**	**102.7**	**30.8**	**3132.9**	**1154.4**	**4287.3**
	Sdev	**1.4**	**19.7**	**7.3**	**27.0**	**4.3**	**823.3**	**303.4**	**1126.7**
	Var	**1.9**	**388.6**	**52.8**	**727.7**	**18.1**	**677861.3**	**92033.6**	**1269438.8**
n=1015	**Dly Cuml Stand Use**								
	Mean	**L**	**47744.6**	**17592.5**	**65337.1**				
		mm	**8.7**	**3.2**	**11.9**				
	Min	**L**	**29251.4**	**10778.3**	**40029.7**				
		mm	**5.3**	**2.0**	**7.3**				
	Max	**L**	**76136.6**	**28054.1**	**104190.7**				
		mm	**13.9**	**5.1**	**19.0**				
	Ann Cuml Stand Use, 180d								
	Mean	**L**	**8594031.9**	**3166647.8**	**11760679.8**				
		mm	**1565.0**	**576.7**	**2141.7**				
	Min	**L**	**5265248.5**	**1940089.1**	**7205337.6**				
		mm	**958.8**	**353.3**	**1312.2**				
	Max	**L**	**13704593.6**	**5049739.4**	**18754333.0**				
		mm	**2495.7**	**919.6**	**3415.3**				**Willow**

All	**Mean**	**9.9**	**25.4**	**9.4**	**34.8**	**17.87**	**1128.0**	**402.2**	**1493.2**
tree	**Min**	**2.5**	**0.4**	**0.2**	**0.7**	**6.53**	**17.4**	**9.8**	**27.2**
n = 18	**Med**	**10.7**	**21.0**	**7.7**	**28.7**	**18.81**	**891.5**	**323.2**	**1200.3**
	Max	**13.7**	**75.0**	**27.6**	**102.7**	**30.79**	**3132.9**	**1154.4**	**4287.3**
	Sdev	**2.5**	**17.6**	**6.5**	**24.1**	**7.22**	**787.5**	**288.5**	**1072.1**
	Var	**6.1**	**310.3**	**42.1**	**580.9**	**52.10**	**620224.1**	**83231.9**	**1149374.2**
n=1825	**Dly Cuml Stand Use**								
	Mean	**L**	**46366.2**	**17091.6**	**63457.8**				
		mm	**8.4**	**3.1**	**11.6**				
	Min	**L**	**760.0**	**427.5**	**1187.4**				
		mm	**0.1**	**0.1**	**0.2**				
	Max	**L**	**136895.9**	**50442.1**	**187338.0**				
		mm	**24.9**	**9.2**	**34.1**				
	Ann Cuml Stand Use, 180d								
	Mean	**L**	**8345921.5**	**3076490.3**	**11422411.8**				
		mm	**1519.9**	**560.3**	**2080.1**				
	Min	**L**	**136791.5**	**76945.2**	**213736.7**				
		mm	**24.9**	**14.0**	**38.9**				
	Max	**L**	**24641264.4**	**9079580.7**	**33720845.0**				
		mm	**4487.38**	**1653.47**	**6140.85**				
									All

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.238	5.238	9.74	0.8595	9.88E-03	2164.8498	797.6834	2962.5332		
W506EC	7/22/2008 14:00	1	204	1400	5.821	5.821		0.6733	7.31E-03	1602.7472	590.5652	2193.3124		
	7/22/2008 15:00	2	204	1500	5.775	5.775		0.6866	7.49E-03	1641.8943	604.9897	2246.8841		
Probe #	7/22/2008 16:00	3	204	1600	5.794	5.794		0.6810	7.42E-03	1625.6280	598.9961	2224.6241		
	7/22/2008 17:00	4	204	1700	5.868	5.868		0.6599	7.13E-03	1563.5632	576.1270	2139.6902		
1	7/22/2008 18:00	5	204	1800	5.913	5.913		0.6472	6.97E-03	1526.7981	562.5801	2089.3782		
	7/22/2008 19:00	6	204	1900	6.106	6.106		0.5952	6.28E-03	1377.0368	507.3975	1884.4344		
	7/22/2008 20:00	7	204	2000	6.664	6.664		0.4616	4.59E-03	1007.0980	371.0860	1378.1840		
	7/22/2008 21:00	8	204	2100	8.19	8.19		0.1893	1.53E-03	336.0657	123.8303	459.8960		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.36	9.36		0.0406	2.30E-04	50.5186	18.6146	69.1332		
	7/22/2008 23:00	10	204	2300	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.9	7/23/2008 0:00	11	205	0	10.01	10.01	10.09	-0.0270	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	10.06	10.06		-0.0318	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	NAN	10.075		-0.0333	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	10.09	10.09		-0.0347	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	10.05	10.05		-0.0308	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.98	9.98		-0.0240	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.84	9.84		-0.0102	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.45	9.45		0.0307	1.63E-04	35.7959	13.1897	48.9857		
	7/23/2008 8:00	19	205	800	8.34	8.34		0.1679	1.32E-03	289.9389	106.8340	396.7729		
	7/23/2008 9:00	20	205	900	6.96	6.96		0.3994	3.85E-03	842.8407	310.5620	1153.4027		
	7/23/2008 10:00	21	205	1000	6.002	6.002		0.6228	6.64E-03	1456.1796	536.5593	1992.7389		
	7/23/2008 11:00	22	205	1100	6.019	6.019		0.6182	6.58E-03	1442.9986	531.7025	1974.7012		
	7/23/2008 12:00	23	205	1200	6.002	6.002		0.6228	6.64E-03	1456.1796	536.5593	1992.7389		
	7/23/2008 13:00	24	205	1300	5.99	5.99		0.6260	6.69E-03	1465.5425	540.0093	2005.5517		
	7/23/2008 14:00	25	205	1400	NAN	5.9625		0.6335	6.78E-03	1487.1839	547.9835	2035.1675		
	7/23/2008 15:00	26	205	1500	5.935	5.935		0.6411	6.88E-03	1509.0861	556.0538	2065.1399		
	7/23/2008 16:00	27	205	1600	6.092	6.092		0.5988	6.33E-03	1387.4853	511.2475	1898.7328		
	7/23/2008 17:00	28	205	1700	6.475	6.475		0.5042	5.12E-03	1122.8775	413.7473	1536.6248		
	7/23/2008 18:00	29	205	1800	7.193	7.193		0.3541	3.32E-03	726.6808	267.7605	994.4413		
	7/23/2008 19:00	30	205	1900	7.094	7.094		0.3730	3.53E-03	774.7104	285.4580	1060.1684		
	7/23/2008 20:00	31	205	2000	7.614	7.614		0.2792	2.47E-03	542.4294	199.8693	742.2987		
	7/23/2008 21:00	32	205	2100	8.56	8.56		0.1379	1.04E-03	227.5044	83.8287	311.3331		
	7/23/2008 22:00	33	205	2200	9.1	9.1		0.0703	4.53E-04	99.3587	36.6108	135.9695		
	7/23/2008 23:00	34	205	2300	9.21	9.21		0.0575	3.54E-04	77.6173	28.5997	106.2169		
	7/24/2008 0:00	35	206	0	9.24	9.24	10.04	0.0541	3.28E-04	71.9562	26.5137	98.4699		
	7/24/2008 1:00	36	206	100	9.37	9.37		0.0395	2.23E-04	48.8229	17.9898	66.8126		
	7/24/2008 2:00	37	206	200	9.47	9.47		0.0285	1.49E-04	32.6964	12.0477	44.7441		
	7/24/2008 3:00	38	206	300	9.62	9.62		0.0125	5.39E-05	11.8185	4.3548	16.1733		
	7/24/2008 4:00	39	206	400	9.7	9.7		0.0041	1.38E-05	3.0255	1.1148	4.1403		
	7/24/2008 5:00	40	206	500	9.75	9.75		-0.0010	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	NAN	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.77	9.77		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.47	9.47		0.0285	1.49E-04	32.6964	12.0477	44.7441		
	7/24/2008 9:00	44	206	900	8.96	8.96		0.0871	5.89E-04	129.1980	47.6056	176.8036		
	7/24/2008 10:00	45	206	1000	8.93	8.93		0.0907	6.20E-04	135.9018	50.0758	185.9776		
	7/24/2008 11:00	46	206	1100	NAN	7.495		0.2995	2.70E-03	591.4006	217.9137	809.3143		
	7/24/2008 12:00	47	206	1200	6.06	6.06		0.6073	6.44E-03	1411.6050	520.1349	1931.7399		
	7/24/2008 13:00	48	206	1300	6.619	6.619		0.4715	4.72E-03	1033.8524	380.9442	1414.7966		
	7/24/2008 14:00	49	206	1400	6.44	6.44		0.5124	5.23E-03	1145.3296	422.0203	1567.3499		
	7/24/2008 15:00	50	206	1500	6.101	6.101		0.5965	6.30E-03	1380.7612	508.7699	1889.5311		
	7/24/2008 16:00	51	206	1600	6.063	6.063		0.6065	6.43E-03	1409.3297	519.2965	1928.6262		
	7/24/2008 17:00	52	206	1700	6.238	6.238		0.5614	5.85E-03	1281.5355	472.2081	1753.7437		
	7/24/2008 18:00	53	206	1800	6.18	6.18		0.5761	6.03E-03	1322.8374	487.4266	1810.2641		
	7/24/2008 19:00	54	206	1900	6.485	6.485		0.5019	5.09E-03	1116.5223	411.4056	1527.9280		
	7/24/2008 20:00	55	206	2000	7.469	7.469		0.3041	2.75E-03	602.4147	221.9721	824.3867		
	7/24/2008 21:00	56	206	2100	8.97	8.97		0.0858	5.79E-04	126.9875	46.7912	173.7786		
	7/24/2008 22:00	57	206	2200	9.86	9.86		-0.0122	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	10.04	10.04		-0.0299	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	10.05	10.05	10.05	-0.0308	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.98	9.98		-0.0240	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.87	9.87		-0.0132	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.83	9.83		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.87	9.87		-0.0132	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9.87	9.87		-0.0132	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.89	9.89		-0.0152	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.86	9.86		-0.0122	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.83	9.83		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.77	9.77		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	NAN	8.995		0.0828	5.54E-04	121.5143	44.7744	166.2887		
	7/25/2008 11:00	70	207	1100	8.22	8.22		0.1849	1.49E-03	326.6033	120.3437	446.9470		
	7/25/2008 12:00	71	207	1200	6.85	6.85		0.4219	4.11E-03	901.5887	332.2089	1233.7977		
	7/25/2008 13:00	72	207	1300	6.291	6.291		0.5482	5.68E-03	1244.6714	458.6248	1703.2962		
	7/25/2008 14:00	73	207	1400	5.944	5.944		0.6386	6.85E-03	1501.8892	553.4020	2055.2911		
	7/25/2008 15:00	74	207	1500	6.007	6.007		0.6214	6.63E-03	1452.2928	535.1271	1987.4199		
	7/25/2008 16:00	75	207	1600	NAN	6.007		0.6214	6.63E-03	1452.2928	535.1271	1987.4199		
	7/25/2008 17:00	76	207	1700	NAN	6.125		0.5902	6.22E-03	1362.9567	502.2094	1865.1661		
	7/25/2008 18:00	77	207	1800	6.125	6.125		0.5902	6.22E-03	1362.9567	502.2094	1865.1661		
	7/25/2008 19:00	78	207	1900	6.238	6.238		0.5614	5.85E-03	1281.5355	472.2081	1753.7437		
	7/25/2008 20:00	79	207	2000	7.079	7.079		0.3759	3.57E-03	782.1556	288.2013	1070.3569		
	7/25/2008 21:00	80	207	2100	8.68	8.68		0.1221	8.94E-04	195.9801	72.2129	268.1931		
	7/25/2008 22:00	81	207	2200	9.82	9.82		-0.0081	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.97	9.97		-0.0231	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.96	9.96	9.96	-0.0221	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.93	9.93		-0.0191	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.88	9.88		-0.0142	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.85	9.85		-0.0112	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.81	9.81		-0.0071	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	9.71	9.71		0.0031	9.67E-06	2.1205	0.7814	2.9019		
	7/26/2008 7:00	90	208	700	9.65	9.65		0.0093	3.77E-05	8.2622	3.0444	11.3066		
	7/26/2008 8:00	91	208	800	9.6	9.6		0.0146	6.54E-05	14.3247	5.2782	19.6030		
	7/26/2008 9:00	92	208	900	7.936	7.936		0.2273	1.92E-03	421.1103	155.1668	576.2770		
	7/26/2008 10:00	93	208	1000	6.175	6.175		0.5773	6.05E-03	1326.4458	488.7562	1815.2021		
	7/26/2008 11:00	94	208	1100	6.327	6.327		0.5394	5.57E-03	1220.0976	449.5700	1669.6676		
	7/26/2008 12:00	95	208	1200	6.688	6.688		0.4563	4.53E-03	993.0296	365.9022	1358.9318		
	7/26/2008 13:00	96	208	1300	6.138	6.138		0.5868	6.17E-03	1353.3887	498.6839	1852.0726		
	7/26/2008 14:00	97	208	1400	6.069	6.069		0.6049	6.41E-03	1404.7878	517.6229	1922.4107		
	7/26/2008 15:00	98	208	1500	6.011	6.011		0.6204	6.61E-03	1449.1893	533.9836	1983.1730		
	7/26/2008 16:00	99	208	1600	6.066	6.066		0.6057	6.42E-03	1407.0572	518.4592	1925.5164		
	7/26/2008 17:00	100	208	1700	NAN	6.082		0.6014	6.36E-03	1394.9871	514.0117	1908.9988		
	7/26/2008 18:00	101	208	1800	6.098	6.098		0.5972	6.31E-03	1382.9997	509.5947	1892.5944		
	7/26/2008 19:00	102	208	1900	6.232	6.232		0.5629	5.87E-03	1285.7611	473.7651	1759.5263		
	7/26/2008 20:00	103	208	2000	6.802	6.802		0.4319	4.23E-03	928.0565	341.9615	1270.0180		
	7/26/2008 21:00	104	208	2100	8.41	8.41		0.1581	1.23E-03	269.4113	99.2701	368.6815		
	7/26/2008 22:00	105	208	2200	9.52	9.52		0.0231	1.15E-04	25.2463	9.3025	34.5489		
	7/26/2008 23:00	106	208	2300	9.79	9.79		-0.0051	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	9.81	9.81	9.87	-0.0071	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	9.84	9.84		-0.0102	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	9.84	9.84		-0.0102	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	9.87	9.87		-0.0132	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	9.87	9.87		-0.0132	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	9.83	9.83		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	9.68	9.68		0.0062	2.28E-05	4.9965	1.8411	6.8376		
	7/27/2008 8:00	115	209	800	9.35	9.35		0.0417	2.38E-04	52.2288	19.2448	71.4735		
	7/27/2008 9:00	116	209	900	NAN	7.5565		0.2890	2.58E-03	565.8003	208.4807	774.2810		
	7/27/2008 10:00	117	209	1000	5.763	5.763		0.6901	7.54E-03	1652.2388	608.8014	2261.0402		
	7/27/2008 11:00	118	209	1100	5.719	5.719		0.7031	7.71E-03	1690.6454	622.9531	2313.5985		
	7/27/2008 12:00	119	209	1200	5.828	5.828		0.6712	7.29E-03	1596.8597	588.3958	2185.2555		
	7/27/2008 13:00	120	209	1300	5.961	5.961		0.6340	6.79E-03	1488.3718	548.4212	2036.7931		
	7/27/2008 14:00	121	209	1400	5.813	5.813		0.6756	7.34E-03	1609.4982	593.0527	2202.5510		
	7/27/2008 15:00	122	209	1500	5.817	5.817		0.6744	7.33E-03	1606.1197	591.8079	2197.9276		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.845	5.845		0.6664	7.22E-03	1582.6369	583.1551	2165.7920		
	7/27/2008 17:00	124	209	1700	5.919	5.919		0.6455	6.94E-03	1521.9506	560.7940	2082.7446		
	7/27/2008 18:00	125	209	1800	6.004	6.004		0.6223	6.64E-03	1454.6239	535.9861	1990.6099		
	7/27/2008 19:00	126	209	1900	6.169	6.169		0.5789	6.07E-03	1330.7861	490.3555	1821.1416		
	7/27/2008 20:00	127	209	2000	6.644	6.644		0.4660	4.65E-03	1018.9279	375.4449	1394.3728		
	7/27/2008 21:00	128	209	2100	NAN	7.797		0.2492	2.15E-03	471.5476	173.7514	645.2990		
	7/27/2008 22:00	129	209	2200	8.95	8.95		0.0883	6.00E-04	131.4205	48.4246	179.8451		
	7/27/2008 23:00	130	209	2300	9.16	9.16		0.0633	3.98E-04	87.3102	32.1712	119.4814		
	7/28/2008 0:00	131	210	0	9.33	9.33	9.76	0.0439	2.54E-04	55.6918	20.5208	76.2125		
	7/28/2008 1:00	132	210	100	9.49	9.49		0.0263	1.35E-04	29.6639	10.9303	40.5941		
	7/28/2008 2:00	133	210	200	9.59	9.59		0.0156	7.12E-05	15.6145	5.7535	21.3680		
	7/28/2008 3:00	134	210	300	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 4:00	135	210	400	NAN	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 5:00	136	210	500	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 6:00	137	210	600	9.73	9.73		0.0010	2.50E-06	0.5470	0.2016	0.7486		
	7/28/2008 7:00	138	210	700	9.56	9.56		0.0188	8.95E-05	19.6189	7.2290	26.8479		
	7/28/2008 8:00	139	210	800	7.795	7.795		0.2495	2.15E-03	472.2943	174.0266	646.3209		
	7/28/2008 9:00	140	210	900	6.26	6.26		0.5559	5.78E-03	1266.1331	466.5328	1732.6659		
	7/28/2008 10:00	141	210	1000	5.836	5.836		0.6690	7.25E-03	1590.1533	585.9247	2176.0780		
	7/28/2008 11:00	142	210	1100	5.855	5.855		0.6635	7.18E-03	1574.3202	580.0907	2154.4109		
	7/28/2008 12:00	143	210	1200	5.943	5.943		0.6389	6.86E-03	1502.6874	553.6961	2056.3835		
	7/28/2008 13:00	144	210	1300	5.954	5.954		0.6359	6.82E-03	1493.9257	550.4676	2044.3933		
	7/28/2008 14:00	145	210	1400	5.92	5.92		0.6453	6.94E-03	1521.1439	560.4968	2081.6407		
	7/28/2008 15:00	146	210	1500	5.864	5.864		0.6610	7.15E-03	1566.8665	577.3442	2144.2106		
	7/28/2008 16:00	147	210	1600	5.899	5.899		0.6511	7.02E-03	1538.1584	566.7661	2104.9245		
	7/28/2008 17:00	148	210	1700	5.916	5.916		0.6464	6.95E-03	1524.3727	561.6865	2086.0592		
	7/28/2008 18:00	149	210	1800	6.026	6.026		0.6163	6.56E-03	1437.5993	529.7130	1967.3123		
	7/28/2008 19:00	150	210	1900	6.22	6.22		0.5659	5.90E-03	1294.2447	476.8911	1771.1357		
	7/28/2008 20:00	151	210	2000	6.794	6.794		0.4336	4.25E-03	932.5182	343.6055	1276.1236		
	7/28/2008 21:00	152	210	2100	8.41	8.41		0.1581	1.23E-03	269.4113	99.2701	368.6815		
	7/28/2008 22:00	153	210	2200	8.94	8.94		0.0895	6.10E-04	133.6551	49.2480	182.9031		
	7/28/2008 23:00	154	210	2300	9.19	9.19		0.0598	3.72E-04	81.4561	30.0142	111.4702		
	7/29/2008 0:00	155	211	0	9.45	9.45	9.95	0.0307	1.63E-04	35.7959	13.1897	48.9857		
	7/29/2008 1:00	156	211	100	9.64	9.64		0.0104	4.30E-05	9.4185	3.4704	12.8889		
	7/29/2008 2:00	157	211	200	9.82	9.82		-0.0081	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 3:00	158	211	300	9.91	9.91		-0.0172	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 4:00	159	211	400	9.95	9.95		-0.0211	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 5:00	160	211	500	9.9	9.9		-0.0162	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	9.84	9.84		-0.0102	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 7:00	162	211	700	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 8:00	163	211	800	9.02	9.02		0.0798	5.30E-04	116.1169	42.7857	158.9025		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	7.082	7.082		0.3753	3.56E-03	780.6629	287.6513	1068.3143		
	7/29/2008 10:00	165	211	1000	6.107	6.107		0.5949	6.28E-03	1376.2929	507.1234	1883.4163		
	7/29/2008 11:00	166	211	1100	6.448	6.448		0.5105	5.20E-03	1140.1688	420.1187	1560.2875		
	7/29/2008 12:00	167	211	1200	5.94	5.94		0.6397	6.87E-03	1505.0843	554.5793	2059.6636		
	7/29/2008 13:00	168	211	1300	6.03	6.03		0.6153	6.54E-03	1434.5213	528.5789	1963.1002		
	7/29/2008 14:00	169	211	1400	5.904	5.904		0.6497	7.00E-03	1534.0932	565.2682	2099.3613		
	7/29/2008 15:00	170	211	1500	NAN	6.0525		0.6093	6.47E-03	1417.3063	522.2357	1939.5420		
	7/29/2008 16:00	171	211	1600	6.201	6.201		0.5707	5.97E-03	1307.7656	481.8731	1789.6387		
	7/29/2008 17:00	172	211	1700	NAN	6.289		0.5487	5.68E-03	1246.0476	459.1319	1705.1795		
	7/29/2008 18:00	173	211	1800	6.377	6.377		0.5274	5.41E-03	1186.5780	437.2191	1623.7971		
	7/29/2008 19:00	174	211	1900	6.466	6.466		0.5063	5.15E-03	1128.6197	415.8631	1544.4829		
	7/29/2008 20:00	175	211	2000	7.426	7.426		0.3116	2.83E-03	620.8837	228.7774	849.6611		
	7/29/2008 21:00	176	211	2100	8.96	8.96		0.0871	5.89E-04	129.1980	47.6056	176.8036		
	7/29/2008 22:00	177	211	2200	9.63	9.63		0.0114	4.84E-05	10.6045	3.9074	14.5119		
	7/29/2008 23:00	178	211	2300	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 0:00	179	212	0	9.74	9.74	9.74	0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	9.68	9.68		0.0062	2.28E-05	4.9965	1.8411	6.8376		
	7/30/2008 2:00	181	212	200	9.58	9.58		0.0167	7.72E-05	16.9274	6.2372	23.1646		
	7/30/2008 3:00	182	212	300	9.43	9.43		0.0329	1.78E-04	38.9602	14.3557	53.3158		
	7/30/2008 4:00	183	212	400	9.3	9.3		0.0473	2.78E-04	60.9910	22.4734	83.4644		
	7/30/2008 5:00	184	212	500	9.25	9.25		0.0530	3.20E-04	70.0954	25.8281	95.9234		
	7/30/2008 6:00	185	212	600	9.22	9.22		0.0564	3.45E-04	75.7172	27.8996	103.6168		
	7/30/2008 7:00	186	212	700	9.15	9.15		0.0645	4.07E-04	89.2869	32.8996	122.1865		
	7/30/2008 8:00	187	212	800	9.11	9.11		0.0692	4.44E-04	97.3194	35.8593	133.1787		
	7/30/2008 9:00	188	212	900	7.369	7.369		0.3218	2.95E-03	645.8611	237.9808	883.8419		
	7/30/2008 10:00	189	212	1000	5.389	5.389		0.8074	9.14E-03	2004.4486	738.5803	2743.0289		
	7/30/2008 11:00	190	212	1100	5.46	5.46		0.7839	8.82E-03	1932.8648	712.2038	2645.0685		
	7/30/2008 12:00	191	212	1200	5.642	5.642		0.7263	8.03E-03	1759.7067	648.4001	2408.1068		
	7/30/2008 13:00	192	212	1300	5.756	5.756		0.6921	7.57E-03	1658.2986	611.0342	2269.3329		
	7/30/2008 14:00	193	212	1400	5.743	5.743		0.6960	7.62E-03	1669.6029	615.1995	2284.8024		
	7/30/2008 15:00	194	212	1500	5.852	5.852		0.6644	7.19E-03	1576.8114	581.0086	2157.8199		
	7/30/2008 16:00	195	212	1600	5.751	5.751		0.6936	7.59E-03	1662.6387	612.6334	2275.2721		
	7/30/2008 17:00	196	212	1700	5.845	5.845		0.6664	7.22E-03	1582.6369	583.1551	2165.7920		
	7/30/2008 18:00	197	212	1800	6.001	6.001		0.6231	6.65E-03	1456.9580	536.8461	1993.8041		
	7/30/2008 19:00	198	212	1900	6.17	6.17		0.5786	6.07E-03	1330.0619	490.0887	1820.1506		
	7/30/2008 20:00	199	212	2000	6.775	6.775		0.4376	4.30E-03	943.1731	347.5315	1290.7046		
	7/30/2008 21:00	200	212	2100	8.4	8.4		0.1595	1.24E-03	272.3056	100.3366	372.6422		
	7/30/2008 22:00	201	212	2200	9.41	9.41		0.0351	1.92E-04	42.1871	15.5447	57.7319		
	7/30/2008 23:00	202	212	2300	9.63	9.63		0.0114	4.84E-05	10.6045	3.9074	14.5119		
	7/31/2008 0:00	203	213	0	9.75	9.75	9.77	-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 1:00	204	213	100	9.77	9.77		-0.0031	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.75	9.75		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	9.69	9.69		0.0052	1.82E-05	3.9870	1.4691	5.4561		
	7/31/2008 5:00	208	213	500	9.63	9.63		0.0114	4.84E-05	10.6045	3.9074	14.5119		
	7/31/2008 6:00	209	213	600	9.57	9.57		0.0178	8.33E-05	18.2624	6.7292	24.9916		
	7/31/2008 7:00	210	213	700	9.5	9.5		0.0253	1.29E-04	28.1735	10.3811	38.5546		
	7/31/2008 8:00	211	213	800	9.4	9.4		0.0362	2.00E-04	43.8236	16.1477	59.9714		
	7/31/2008 9:00	212	213	900	7.417	7.417		0.3132	2.85E-03	624.7898	230.2166	855.0064		
	7/31/2008 10:00	213	213	1000	5.567	5.567		0.7496	8.35E-03	1829.3237	674.0520	2503.3757		
	7/31/2008 11:00	214	213	1100	5.742	5.742		0.6963	7.62E-03	1670.4752	615.5209	2285.9961		
	7/31/2008 12:00	215	213	1200	5.683	5.683		0.7139	7.86E-03	1722.6363	634.7408	2357.3771		
	7/31/2008 13:00	216	213	1300	5.973	5.973		0.6307	6.75E-03	1478.8903	544.9275	2023.8178		
	7/31/2008 14:00	217	213	1400	5.723	5.723		0.7019	7.70E-03	1687.1226	621.6550	2308.7777		
	7/31/2008 15:00	218	213	1500	NAN	5.7765		0.6861	7.48E-03	1640.6051	604.5147	2245.1199		
	7/31/2008 16:00	219	213	1600	5.83	5.83		0.6707	7.28E-03	1595.1809	587.7772	2182.9581		
	7/31/2008 17:00	220	213	1700	5.888	5.888		0.6542	7.06E-03	1547.1335	570.0731	2117.2066		
	7/31/2008 18:00	221	213	1800	5.986	5.986		0.6271	6.70E-03	1468.6743	541.1632	2009.8375		
	7/31/2008 19:00	222	213	1900	6.247	6.247		0.5591	5.82E-03	1275.2172	469.8800	1745.0972		
	7/31/2008 20:00	223	213	2000	7.178	7.178		0.3569	3.35E-03	733.8359	270.3969	1004.2329		
	7/31/2008 21:00	224	213	2100	8.13	8.13		0.1980	1.62E-03	355.3526	130.9370	486.2896		
	7/31/2008 22:00	225	213	2200	8.86	8.86		0.0993	6.93E-04	151.9657	55.9949	207.9606		
	7/31/2008 23:00	226	213	2300	8.77	8.77		0.1106	7.91E-04	173.4850	63.9241	237.4091		
	8/1/2008 0:00	227	214	0	9.13	9.13	9.81	0.0668	4.26E-04	93.2781	34.3702	127.6484		
	8/1/2008 1:00	228	214	100	9.58	9.58		0.0167	7.72E-05	16.9274	6.2372	23.1646		
	8/1/2008 2:00	229	214	200	9.72	9.72		0.0021	5.87E-06	1.2857	0.4737	1.7594		
	8/1/2008 3:00	230	214	300	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 4:00	231	214	400	9.81	9.81		-0.0071	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	9.8	9.8		-0.0061	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	9.73	9.73		0.0010	2.50E-06	0.5470	0.2016	0.7486		
	8/1/2008 7:00	234	214	700	9.64	9.64		0.0104	4.30E-05	9.4185	3.4704	12.8889		
	8/1/2008 8:00	235	214	800	9.45	9.45		0.0307	1.63E-04	35.7959	13.1897	48.9857		
	8/1/2008 9:00	236	214	900	7.796	7.796		0.2494	2.15E-03	471.9209	173.8890	645.8099		
	8/1/2008 10:00	237	214	1000	5.737	5.737		0.6978	7.64E-03	1674.8424	617.1301	2291.9725		
	8/1/2008 11:00	238	214	1100	5.742	5.742		0.6963	7.62E-03	1670.4752	615.5209	2285.9961		
	8/1/2008 12:00	239	214	1200	5.856	5.856		0.6633	7.18E-03	1573.4905	579.7850	2153.2755		
	8/1/2008 13:00	240	214	1300	5.868	5.868		0.6599	7.13E-03	1563.5632	576.1270	2139.6902		
	8/1/2008 14:00	241	214	1400	5.818	5.818		0.6741	7.32E-03	1605.2761	591.4970	2196.7730		
	8/1/2008 15:00	242	214	1500	5.804	5.804		0.6782	7.38E-03	1617.1217	595.8618	2212.9835		
	8/1/2008 16:00	243	214	1600	5.852	5.852		0.6644	7.19E-03	1576.8114	581.0086	2157.8199		
	8/1/2008 17:00	244	214	1700	5.931	5.931		0.6422	6.90E-03	1512.2938	557.2357	2069.5295		
	8/1/2008 18:00	245	214	1800	5.993	5.993		0.6252	6.68E-03	1463.1972	539.1451	2002.3423		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	6.159	6.159		0.5814	6.10E-03	1338.0446	493.0301	1831.0747		
	8/1/2008 20:00	247	214	2000	7.015	7.015		0.3885	3.72E-03	814.4313	300.0939	1114.5252		
	8/1/2008 21:00	248	214	2100	8.84	8.84		0.1018	7.15E-04	156.6636	57.7259	214.3895		
	8/1/2008 22:00	249	214	2200	9.6	9.6		0.0146	6.54E-05	14.3247	5.2782	19.6030		
	8/1/2008 23:00	250	214	2300	9.72	9.72		0.0021	5.87E-06	1.2857	0.4737	1.7594		
	8/2/2008 0:00	251	215	0	9.73	9.73	9.88	0.0010	2.50E-06	0.5470	0.2016	0.7486		
	8/2/2008 1:00	252	215	100	9.82	9.82		-0.0081	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	9.88	9.88		-0.0142	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.88	9.88		-0.0142	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.78	9.78		-0.0041	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.75	9.75		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.56	9.56		0.0188	8.95E-05	19.6189	7.2290	26.8479		
	8/2/2008 8:00	259	215	800	8.02	8.02		0.2145	1.79E-03	391.9902	144.4368	536.4270		
	8/2/2008 9:00	260	215	900	6.114	6.114		0.5931	6.26E-03	1371.0944	505.2079	1876.3023		
	8/2/2008 10:00	261	215	1000	6.065	6.065		0.6059	6.42E-03	1407.8144	518.7382	1926.5526		
	8/2/2008 11:00	262	215	1100	6.007	6.007		0.6214	6.63E-03	1452.2928	535.1271	1987.4199		
	8/2/2008 12:00	263	215	1200	5.843	5.843		0.6670	7.23E-03	1584.3046	583.7696	2168.0742		
	8/2/2008 13:00	264	215	1300	5.968	5.968		0.6320	6.76E-03	1482.8349	546.3810	2029.2159		
	8/2/2008 14:00	265	215	1400	5.985	5.985		0.6274	6.70E-03	1469.4581	541.4520	2010.9101		
	8/2/2008 15:00	266	215	1500	5.995	5.995		0.6247	6.67E-03	1461.6353	538.5696	2000.2049		
	8/2/2008 16:00	267	215	1600	6.013	6.013		0.6198	6.60E-03	1447.6397	533.4126	1981.0523		
	8/2/2008 17:00	268	215	1700	6.074	6.074		0.6036	6.39E-03	1401.0118	516.2316	1917.2434		
	8/2/2008 18:00	269	215	1800	6.171	6.171		0.5784	6.06E-03	1329.3381	489.8220	1819.1601		
	8/2/2008 19:00	270	215	1900	6.309	6.309		0.5438	5.62E-03	1232.3380	454.0803	1686.4182		
	8/2/2008 20:00	271	215	2000	6.929	6.929		0.4057	3.92E-03	859.1333	316.5653	1175.6987		
	8/2/2008 21:00	272	215	2100	8.22	8.22		0.1849	1.49E-03	326.6033	120.3437	446.9470		
	8/2/2008 22:00	273	215	2200	9.18	9.18		0.0610	3.80E-04	83.3947	30.7285	114.1232		
	8/2/2008 23:00	274	215	2300	9.5	9.5		0.0253	1.29E-04	28.1735	10.3811	38.5546		
	8/3/2008 0:00	275	216	0	9.42	9.42	9.85	0.0340	1.85E-04	40.5659	14.9473	55.5133		
	8/3/2008 1:00	276	216	100	9.2	9.2		0.0587	3.63E-04	79.5302	29.3045	108.8348		
	8/3/2008 2:00	277	216	200	9.34	9.34		0.0428	2.46E-04	53.9532	19.8802	73.8334		
	8/3/2008 3:00	278	216	300	9.6	9.6		0.0146	6.54E-05	14.3247	5.2782	19.6030		
	8/3/2008 4:00	279	216	400	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	9.85	9.85		-0.0112	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	9.82	9.82		-0.0081	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 7:00	282	216	700	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 8:00	283	216	800	8.37	8.37		0.1637	1.28E-03	281.0647	103.5641	384.6288		
	8/3/2008 9:00	284	216	900	6.103	6.103		0.5959	6.29E-03	1379.2705	508.2206	1887.4911		
	8/3/2008 10:00	285	216	1000	5.798	5.798		0.6799	7.40E-03	1622.2210	597.7407	2219.9617		
	8/3/2008 11:00	286	216	1100	5.821	5.821		0.6733	7.31E-03	1602.7472	590.5652	2193.3124		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.922	5.922		0.6447	6.93E-03	1519.5316	559.9027	2079.4343		
	8/3/2008 13:00	288	216	1300	5.965	5.965		0.6329	6.78E-03	1485.2058	547.2546	2032.4605		
	8/3/2008 14:00	289	216	1400	NAN	6.0155		0.6192	6.60E-03	1445.7044	532.6995	1978.4040		
	8/3/2008 15:00	290	216	1500	6.066	6.066		0.6057	6.42E-03	1407.0572	518.4592	1925.5164		
	8/3/2008 16:00	291	216	1600	6.099	6.099		0.5970	6.31E-03	1382.2532	509.3196	1891.5728		
	8/3/2008 17:00	292	216	1700	6.137	6.137		0.5871	6.18E-03	1354.1228	498.9544	1853.0772		
	8/3/2008 18:00	293	216	1800	6.189	6.189		0.5738	6.01E-03	1316.3616	485.0405	1801.4021		
	8/3/2008 19:00	294	216	1900	6.273	6.273		0.5527	5.74E-03	1257.0989	463.2039	1720.3028		
	8/3/2008 20:00	295	216	2000	NAN	6.273		0.5527	5.74E-03	1257.0989	463.2039	1720.3028		
	8/3/2008 21:00	296	216	2100	NAN	8.26		0.1792	1.43E-03	314.1724	115.7633	429.9357		
	8/3/2008 22:00	297	216	2200	8.26	8.26		0.1792	1.43E-03	314.1724	115.7633	429.9357		
	8/3/2008 23:00	298	216	2300	8.41	8.41		0.1581	1.23E-03	269.4113	99.2701	368.6815		
	8/4/2008 0:00	299	217	0	8.44	8.44	9.41	0.1540	1.19E-03	260.8045	96.0988	356.9033		
	8/4/2008 1:00	300	217	100	8.47	8.47		0.1499	1.15E-03	252.3110	92.9692	345.2802		
	8/4/2008 2:00	301	217	200	8.12	8.12		0.1995	1.64E-03	358.6145	132.1389	490.7534		
	8/4/2008 3:00	302	217	300	7.898	7.898		0.2332	1.98E-03	434.6166	160.1434	594.7600		
	8/4/2008 4:00	303	217	400	7.672	7.672		0.2696	2.37E-03	519.3960	191.3821	710.7781		
	8/4/2008 5:00	304	217	500	7.819	7.819		0.2457	2.11E-03	463.3737	170.7396	634.1133		
	8/4/2008 6:00	305	217	600	8.3	8.3		0.1735	1.38E-03	301.9517	111.2603	413.2120		
	8/4/2008 7:00	306	217	700	8.38	8.38		0.1623	1.27E-03	278.1322	102.4835	380.6158		
	8/4/2008 8:00	307	217	800	8.09	8.09		0.2040	1.68E-03	368.4821	135.7748	504.2570		
	8/4/2008 9:00	308	217	900	7.515	7.515		0.2961	2.66E-03	583.0060	214.8205	797.8265		
	8/4/2008 10:00	309	217	1000	6.449	6.449		0.5103	5.20E-03	1139.5250	419.8814	1559.4064		
	8/4/2008 11:00	310	217	1100	5.974	5.974		0.6304	6.74E-03	1478.1024	544.6372	2022.7396		
	8/4/2008 12:00	311	217	1200	6.082	6.082		0.6014	6.36E-03	1394.9871	514.0117	1908.9988		
	8/4/2008 13:00	312	217	1300	6.107	6.107		0.5949	6.28E-03	1376.2929	507.1234	1883.4163		
	8/4/2008 14:00	313	217	1400	6.381	6.381		0.5264	5.40E-03	1183.9267	436.2421	1620.1688		
	8/4/2008 15:00	314	217	1500	6.664	6.664		0.4616	4.59E-03	1007.0980	371.0860	1378.1840		
	8/4/2008 16:00	315	217	1600	6.174	6.174		0.5776	6.05E-03	1327.1684	489.0225	1816.1909		
	8/4/2008 17:00	316	217	1700	6.141	6.141		0.5861	6.16E-03	1351.1882	497.8731	1849.0613		
	8/4/2008 18:00	317	217	1800	6.231	6.231		0.5632	5.87E-03	1286.4665	474.0250	1760.4915		
	8/4/2008 19:00	318	217	1900	6.45	6.45		0.5101	5.20E-03	1138.8813	419.6442	1558.5256		
	8/4/2008 20:00	319	217	2000	NAN	7.565		0.2875	2.57E-03	562.3114	207.1952	769.5066		
	8/4/2008 21:00	320	217	2100	8.68	8.68		0.1221	8.94E-04	195.9801	72.2129	268.1931		
	8/4/2008 22:00	321	217	2200	9.28	9.28		0.0496	2.95E-04	64.5924	23.8004	88.3928		
	8/4/2008 23:00	322	217	2300	9.41	9.41		0.0351	1.92E-04	42.1871	15.5447	57.7319		
	8/5/2008 0:00	323	218	0	9.58	9.58	9.83	0.0167	7.72E-05	16.9274	6.2372	23.1646		
	8/5/2008 1:00	324	218	100	9.69	9.69		0.0052	1.82E-05	3.9870	1.4691	5.4561		
	8/5/2008 2:00	325	218	200	9.8	9.8		-0.0061	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	9.72	9.72		0.0021	5.87E-06	1.2857	0.4737	1.7594		
	8/5/2008 4:00	327	218	400	9.62	9.62		0.0125	5.39E-05	11.8185	4.3548	16.1733		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.69	9.69		0.0052	1.82E-05	3.9870	1.4691	5.4561		
	8/5/2008 6:00	329	218	600	9.78	9.78		-0.0041	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 7:00	330	218	700	9.79	9.79		-0.0051	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	9.58	9.58		0.0167	7.72E-05	16.9274	6.2372	23.1646		
	8/5/2008 9:00	332	218	900	7.88	7.88		0.2360	2.01E-03	441.0877	162.5279	603.6156		
	8/5/2008 10:00	333	218	1000	6.298	6.298		0.5465	5.66E-03	1239.8640	456.8534	1696.7173		
	8/5/2008 11:00	334	218	1100	6.739	6.739		0.4453	4.40E-03	963.5888	355.0541	1318.6430		
	8/5/2008 12:00	335	218	1200	6.416	6.416		0.5181	5.30E-03	1160.9155	427.7632	1588.6787		
	8/5/2008 13:00	336	218	1300	6.112	6.112		0.5936	6.26E-03	1372.5781	505.7546	1878.3327		
	8/5/2008 14:00	337	218	1400	6.661	6.661		0.4622	4.60E-03	1008.8663	371.7375	1380.6038		
	8/5/2008 15:00	338	218	1500	6.977	6.977		0.3960	3.80E-03	833.9922	307.3016	1141.2938		
	8/5/2008 16:00	339	218	1600	6.844	6.844		0.4231	4.13E-03	904.8691	333.4176	1238.2867		
	8/5/2008 17:00	340	218	1700	6.396	6.396		0.5228	5.36E-03	1174.0235	432.5931	1606.6166		
	8/5/2008 18:00	341	218	1800	NAN	6.3935		0.5234	5.36E-03	1175.6697	433.1997	1608.8694		
	8/5/2008 19:00	342	218	1900	6.391	6.391		0.5240	5.37E-03	1177.3177	433.8069	1611.1246		
	8/5/2008 20:00	343	218	2000	7.266	7.266		0.3405	3.16E-03	692.4664	255.1535	947.6199		
	8/5/2008 21:00	344	218	2100	9.18	9.18		0.0610	3.80E-04	83.3947	30.7285	114.1232		
	8/5/2008 22:00	345	218	2200	9.76	9.76		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	9.83	9.83		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.8	9.8	9.80	-0.0061	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.75	9.75		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.74	9.74		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.69	9.69		0.0052	1.82E-05	3.9870	1.4691	5.4561		
	8/6/2008 4:00	351	219	400	NAN	9.62		0.0125	5.39E-05	11.8185	4.3548	16.1733		
	8/6/2008 5:00	352	219	500	9.55	9.55		0.0199	9.58E-05	20.9962	7.7365	28.7326		
	8/6/2008 6:00	353	219	600	9.49	9.49		0.0263	1.35E-04	29.6639	10.9303	40.5941		
	8/6/2008 7:00	354	219	700	9.45	9.45		0.0307	1.63E-04	35.7959	13.1897	48.9857		
	8/6/2008 8:00	355	219	800	9.37	9.37		0.0395	2.23E-04	48.8229	17.9898	66.8126		
	8/6/2008 9:00	356	219	900	9.07	9.07		0.0739	4.82E-04	105.5509	38.8924	144.4433		
	8/6/2008 10:00	357	219	1000	6.187	6.187		0.5743	6.01E-03	1317.7985	485.5700	1803.3685		
	8/6/2008 11:00	358	219	1100	5.556	5.556		0.7531	8.39E-03	1839.7354	677.8884	2517.6238		
	8/6/2008 12:00	359	219	1200	6.373	6.373		0.5283	5.43E-03	1189.2338	438.1977	1627.4315		
	8/6/2008 13:00	360	219	1300	6.873	6.873		0.4171	4.06E-03	889.0878	327.6027	1216.6905		
	8/6/2008 14:00	361	219	1400	NAN	6.873		0.4171	4.06E-03	889.0878	327.6027	1216.6905		
	8/6/2008 15:00	362	219	1500	NAN	6.115		0.5928	6.25E-03	1370.3530	504.9347	1875.2877		
	8/6/2008 16:00	363	219	1600	6.115	6.115		0.5928	6.25E-03	1370.3530	504.9347	1875.2877		
	8/6/2008 17:00	364	219	1700	6.065	6.065		0.6059	6.42E-03	1407.8144	518.7382	1926.5526		
	8/6/2008 18:00	365	219	1800	NAN	6.306		0.5446	5.63E-03	1234.3871	454.8353	1689.2223		
	8/6/2008 19:00	366	219	1900	6.547	6.547		0.4877	4.92E-03	1077.7030	397.1018	1474.8048		
	8/6/2008 20:00	367	219	2000	6.971	6.971		0.3972	3.82E-03	837.1083	308.4498	1145.5581		
	8/6/2008 21:00	368	219	2100	8.63	8.63		0.1286	9.53E-04	208.9015	76.9741	285.8756		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	9.57	9.57		0.0178	8.33E-05	18.2624	6.7292	24.9916		
	8/6/2008 23:00	370	219	2300	9.69	9.69		0.0052	1.82E-05	3.9870	1.4691	5.4561		
	8/7/2008 0:00	371	220	0	9.72	9.72	9.72	0.0021	5.87E-06	1.2857	0.4737	1.7594		
	8/7/2008 1:00	372	220	100	9.66	9.66		0.0083	3.26E-05	7.1380	2.6301	9.7681		
	8/7/2008 2:00	373	220	200	9.58	9.58		0.0167	7.72E-05	16.9274	6.2372	23.1646		
	8/7/2008 3:00	374	220	300	NAN	9.505		0.0247	1.25E-04	27.4349	10.1090	37.5439		
	8/7/2008 4:00	375	220	400	9.43	9.43		0.0329	1.78E-04	38.9602	14.3557	53.3158		
	8/7/2008 5:00	376	220	500	9.35	9.35		0.0417	2.38E-04	52.2288	19.2448	71.4735		
	8/7/2008 6:00	377	220	600	9.28	9.28		0.0496	2.95E-04	64.5924	23.8004	88.3928		
	8/7/2008 7:00	378	220	700	9.23	9.23		0.0553	3.37E-04	73.8302	27.2042	101.0344		
	8/7/2008 8:00	379	220	800	9.18	9.18		0.0610	3.80E-04	83.3947	30.7285	114.1232		
	8/7/2008 9:00	380	220	900	7.889	7.889		0.2346	2.00E-03	437.8462	161.3334	599.1797		
	8/7/2008 10:00	381	220	1000	5.443	5.443		0.7895	8.90E-03	1949.7902	718.4403	2668.2306		
	8/7/2008 11:00	382	220	1100	5.289	5.289		0.8416	9.62E-03	2109.3894	777.2479	2886.6374		
	8/7/2008 12:00	383	220	1200	5.669	5.669		0.7181	7.92E-03	1735.2176	639.3766	2374.5942		
	8/7/2008 13:00	384	220	1300	5.783	5.783		0.6842	7.46E-03	1635.0286	602.4599	2237.4885		
	8/7/2008 14:00	385	220	1400	5.827	5.827		0.6715	7.29E-03	1597.6996	588.7053	2186.4049		
	8/7/2008 15:00	386	220	1500	5.902	5.902		0.6503	7.01E-03	1535.7182	565.8670	2101.5851		
	8/7/2008 16:00	387	220	1600	NAN	5.919		0.6455	6.94E-03	1521.9506	560.7940	2082.7446		
	8/7/2008 17:00	388	220	1700	5.936	5.936		0.6408	6.88E-03	1508.2850	555.7586	2064.0436		
	8/7/2008 18:00	389	220	1800	6.03	6.03		0.6153	6.54E-03	1434.5213	528.5789	1963.1002		
	8/7/2008 19:00	390	220	1900	6.259	6.259		0.5562	5.78E-03	1266.8301	466.7896	1733.6198		
	8/7/2008 20:00	391	220	2000	6.808	6.808		0.4307	4.22E-03	924.7197	340.7320	1265.4517		
	8/7/2008 21:00	392	220	2100	8.51	8.51		0.1445	1.10E-03	241.1616	88.8610	330.0226		
	8/7/2008 22:00	393	220	2200	9.32	9.32		0.0451	2.62E-04	57.4443	21.1665	78.6109		
	8/7/2008 23:00	394	220	2300	9.59	9.59		0.0156	7.12E-05	15.6145	5.7535	21.3680		
	8/8/2008 0:00	395	221	0	9.69	9.69	9.69	0.0052	1.82E-05	3.9870	1.4691	5.4561		
	8/8/2008 1:00	396	221	100	9.66	9.66		0.0083	3.26E-05	7.1380	2.6301	9.7681		
	8/8/2008 2:00	397	221	200	NAN	9.655		0.0088	3.51E-05	7.6960	2.8357	10.5317		
	8/8/2008 3:00	398	221	300	9.65	9.65		0.0093	3.77E-05	8.2622	3.0444	11.3066		
	8/8/2008 4:00	399	221	400	9.57	9.57		0.0178	8.33E-05	18.2624	6.7292	24.9916		
	8/8/2008 5:00	400	221	500	9.49	9.49		0.0263	1.35E-04	29.6639	10.9303	40.5941		
	8/8/2008 6:00	401	221	600	9.4	9.4		0.0362	2.00E-04	43.8236	16.1477	59.9714		
	8/8/2008 7:00	402	221	700	9.33	9.33		0.0439	2.54E-04	55.6918	20.5208	76.2125		
	8/8/2008 8:00	403	221	800	9.08	9.08		0.0727	4.72E-04	103.4745	38.1273	141.6018		
	8/8/2008 9:00	404	221	900	6.751	6.751		0.4427	4.36E-03	956.7503	352.5343	1309.2846		
	8/8/2008 10:00	405	221	1000	5.394	5.394		0.8057	9.12E-03	1999.3297	736.6941	2736.0238		
	8/8/2008 11:00	406	221	1100	5.519	5.519		0.7648	8.55E-03	1875.1434	690.9352	2566.0785		
	8/8/2008 12:00	407	221	1200	5.699	5.699		0.7091	7.79E-03	1708.3544	629.4783	2337.8327		
	8/8/2008 13:00	408	221	1300	5.795	5.795		0.6808	7.41E-03	1624.7757	598.6820	2223.4577		
	8/8/2008 14:00	409	221	1400	5.825	5.825		0.6721	7.30E-03	1599.3807	589.3247	2188.7054		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.868	5.868		0.6599	7.13E-03	1563.5632	576.1270	2139.6902		
	8/8/2008 16:00	411	221	1600	5.879	5.879		0.6567	7.09E-03	1554.5090	572.7908	2127.2998		
	8/8/2008 17:00	412	221	1700	6.021	6.021		0.6177	6.58E-03	1441.4543	531.1335	1972.5878		
	8/8/2008 18:00	413	221	1800	6.254	6.254		0.5574	5.80E-03	1270.3196	468.0754	1738.3950		
	8/8/2008 19:00	414	221	1900	6.173	6.173		0.5778	6.06E-03	1327.8914	489.2889	1817.1802		
	8/8/2008 20:00	415	221	2000	6.911	6.911		0.4093	3.96E-03	868.6877	320.0858	1188.7735		
	8/8/2008 21:00	416	221	2100	NAN	7.9605		0.2235	1.88E-03	412.5130	151.9989	564.5118		
	8/8/2008 22:00	417	221	2200	9.01	9.01		0.0810	5.40E-04	118.2667	43.5778	161.8445		
	8/8/2008 23:00	418	221	2300	NAN	9.15		0.0645	4.07E-04	89.2869	32.8996	122.1865		
	8/9/2008 0:00	419	222	0	9.29	9.29	9.59	0.0484	2.86E-04	62.7850	23.1344	85.9194		
	8/9/2008 1:00	420	222	100	9.26	9.26		0.0518	3.11E-04	68.2477	25.1473	93.3950		
	8/9/2008 2:00	421	222	200	9.31	9.31		0.0462	2.70E-04	59.2108	21.8174	81.0282		
	8/9/2008 3:00	422	222	300	9.3	9.3		0.0473	2.78E-04	60.9910	22.4734	83.4644		
	8/9/2008 4:00	423	222	400	9.24	9.24		0.0541	3.28E-04	71.9562	26.5137	98.4699		
	8/9/2008 5:00	424	222	500	9.12	9.12		0.0680	4.35E-04	95.2925	35.1125	130.4050		
	8/9/2008 6:00	425	222	600	9.12	9.12		0.0680	4.35E-04	95.2925	35.1125	130.4050		
	8/9/2008 7:00	426	222	700	8.71	8.71		0.1183	8.59E-04	188.3730	69.4099	257.7829		
	8/9/2008 8:00	427	222	800	7.865	7.865		0.2384	2.04E-03	446.5168	164.5283	611.0450		
	8/9/2008 9:00	428	222	900	8.51	8.51		0.1445	1.10E-03	241.1616	88.8610	330.0226		
	8/9/2008 10:00	429	222	1000	8.07	8.07		0.2069	1.71E-03	375.1293	138.2241	513.3534		
	8/9/2008 11:00	430	222	1100	7.312	7.312		0.3321	3.06E-03	671.4148	247.3966	918.8114		
	8/9/2008 12:00	431	222	1200	6.403	6.403		0.5212	5.34E-03	1169.4233	430.8981	1600.3213		
	8/9/2008 13:00	432	222	1300	6.19	6.19		0.5735	6.00E-03	1315.6436	484.7759	1800.4195		
	8/9/2008 14:00	433	222	1400	5.816	5.816		0.6747	7.33E-03	1606.9638	592.1189	2199.0827		
	8/9/2008 15:00	434	222	1500	5.852	5.852		0.6644	7.19E-03	1576.8114	581.0086	2157.8199		
	8/9/2008 16:00	435	222	1600	5.918	5.918		0.6458	6.95E-03	1522.7576	561.0914	2083.8490		
	8/9/2008 17:00	436	222	1700	6.075	6.075		0.6033	6.39E-03	1400.2576	515.9537	1916.2113		
	8/9/2008 18:00	437	222	1800	6.069	6.069		0.6049	6.41E-03	1404.7878	517.6229	1922.4107		
	8/9/2008 19:00	438	222	1900	6.282	6.282		0.5505	5.71E-03	1250.8733	460.9100	1711.7834		
	8/9/2008 20:00	439	222	2000	6.933	6.933		0.4049	3.91E-03	857.0196	315.7865	1172.8061		
	8/9/2008 21:00	440	222	2100	8.79	8.79		0.1081	7.69E-04	168.6187	62.1310	230.7498		
	8/9/2008 22:00	441	222	2200	9.55	9.55		0.0199	9.58E-05	20.9962	7.7365	28.7326		
	8/9/2008 23:00	442	222	2300	9.59	9.59		0.0156	7.12E-05	15.6145	5.7535	21.3680		
	8/10/2008 0:00	443	223	0	9.54	9.54	9.54	0.0210	1.02E-04	22.3935	8.2514	30.6449		
	8/10/2008 1:00	444	223	100	9.5	9.5		0.0253	1.29E-04	28.1735	10.3811	38.5546		
	8/10/2008 2:00	445	223	200	9.43	9.43		0.0329	1.78E-04	38.9602	14.3557	53.3158		
	8/10/2008 3:00	446	223	300	9.35	9.35		0.0417	2.38E-04	52.2288	19.2448	71.4735		
	8/10/2008 4:00	447	223	400	NAN	9.245		0.0535	3.24E-04	71.0241	26.1703	97.1944		
	8/10/2008 5:00	448	223	500	9.14	9.14		0.0656	4.16E-04	91.2762	33.6326	124.9089		
	8/10/2008 6:00	449	223	600	9.03	9.03		0.0786	5.20E-04	113.9792	41.9980	155.9772		
	8/10/2008 7:00	450	223	700	8.97	8.97		0.0858	5.79E-04	126.9875	46.7912	173.7786		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	8.92	8.92		0.0919	6.30E-04	138.1605	50.9081	189.0686		
	8/10/2008 9:00	452	223	900	7.631	7.631		0.2764	2.44E-03	535.6225	197.3611	732.9837		
	8/10/2008 10:00	453	223	1000	5.185	5.185		0.8785	1.01E-02	2223.9335	819.4541	3043.3876		
	8/10/2008 11:00	454	223	1100	NAN	5.336		0.8253	9.40E-03	2059.4521	758.8475	2818.2996		
	8/10/2008 12:00	455	223	1200	5.487	5.487		0.7751	8.70E-03	1906.2551	702.3989	2608.6540		
	8/10/2008 13:00	456	223	1300	5.63	5.63		0.7300	8.08E-03	1770.6869	652.4460	2423.1329		
	8/10/2008 14:00	457	223	1400	5.68	5.68		0.7148	7.87E-03	1725.3256	635.7317	2361.0574		
	8/10/2008 15:00	458	223	1500	5.863	5.863		0.6613	7.15E-03	1567.6932	577.6488	2145.3420		
	8/10/2008 16:00	459	223	1600	5.775	5.775		0.6866	7.49E-03	1641.8943	604.9897	2246.8841		
	8/10/2008 17:00	460	223	1700	6.034	6.034		0.6142	6.53E-03	1431.4486	527.4467	1958.8953		
	8/10/2008 18:00	461	223	1800	8.63	8.63		0.1286	9.53E-04	208.9015	76.9741	285.8756		
	8/10/2008 19:00	462	223	1900	9.17	9.17		0.0622	3.89E-04	85.3461	31.4475	116.7936		
	8/10/2008 20:00	463	223	2000	8.85	8.85		0.1006	7.04E-04	154.3086	56.8582	211.1668		
	8/10/2008 21:00	464	223	2100	8.91	8.91		0.0932	6.41E-04	140.4313	51.7448	192.1761		
	8/10/2008 22:00	465	223	2200	9.03	9.03		0.0786	5.20E-04	113.9792	41.9980	155.9772		
	8/10/2008 23:00	466	223	2300	8.82	8.82		0.1043	7.36E-04	161.4096	59.4747	220.8843		
	8/11/2008 0:00	467	224	0	8.75	8.75	9.17	0.1131	8.14E-04	178.3994	65.7349	244.1343		
	8/11/2008 1:00	468	224	100	8.97	8.97		0.0858	5.79E-04	126.9875	46.7912	173.7786		
	8/11/2008 2:00	469	224	200	9.17	9.17		0.0622	3.89E-04	85.3461	31.4475	116.7936		
	8/11/2008 3:00	470	224	300	9.1	9.1		0.0703	4.53E-04	99.3587	36.6108	135.9695		
	8/11/2008 4:00	471	224	400	9.06	9.06		0.0751	4.91E-04	107.6396	39.6620	147.3016		
	8/11/2008 5:00	472	224	500	8.96	8.96		0.0871	5.89E-04	129.1980	47.6056	176.8036		
	8/11/2008 6:00	473	224	600	8.91	8.91		0.0932	6.41E-04	140.4313	51.7448	192.1761		
	8/11/2008 7:00	474	224	700	8.92	8.92		0.0919	6.30E-04	138.1605	50.9081	189.0686		
	8/11/2008 8:00	475	224	800	8.86	8.86		0.0993	6.93E-04	151.9657	55.9949	207.9606		
	8/11/2008 9:00	476	224	900	7.761	7.761		0.2550	2.21E-03	485.0812	178.7381	663.8193		
	8/11/2008 10:00	477	224	1000	5.682	5.682		0.7142	7.86E-03	1723.5324	635.0709	2358.6033		
	8/11/2008 11:00	478	224	1100	NAN	5.559		0.7521	8.38E-03	1836.8907	676.8402	2513.7308		
	8/11/2008 12:00	479	224	1200	5.436	5.436		0.7918	8.93E-03	1956.7984	721.0226	2677.8210		
	8/11/2008 13:00	480	224	1300	5.836	5.836		0.6690	7.25E-03	1590.1533	585.9247	2176.0780		
	8/11/2008 14:00	481	224	1400	5.598	5.598		0.7399	8.21E-03	1800.2610	663.3432	2463.6041		
	8/11/2008 15:00	482	224	1500	5.636	5.636		0.7282	8.05E-03	1765.1894	650.4203	2415.6097		
	8/11/2008 16:00	483	224	1600	5.862	5.862		0.6615	7.16E-03	1568.5203	577.9536	2146.4739		
	8/11/2008 17:00	484	224	1700	5.919	5.919		0.6455	6.94E-03	1521.9506	560.7940	2082.7446		
	8/11/2008 18:00	485	224	1800	NAN	6.1685		0.5790	6.07E-03	1331.1483	490.4890	1821.6373		
	8/11/2008 19:00	486	224	1900	6.418	6.418		0.5176	5.29E-03	1159.6107	427.2824	1586.8932		
	8/11/2008 20:00	487	224	2000	7.142	7.142		0.3638	3.43E-03	751.1850	276.7896	1027.9745		
	8/11/2008 21:00	488	224	2100	8.17	8.17		0.1922	1.56E-03	342.4408	126.1793	468.6201		
	8/11/2008 22:00	489	224	2200	8.72	8.72		0.1170	8.48E-04	185.8615	68.4845	254.3459		
	8/11/2008 23:00	490	224	2300	8.92	8.92		0.0919	6.30E-04	138.1605	50.9081	189.0686		
	8/12/2008 0:00	491	225	0	8.99	8.99	9.04	0.0834	5.59E-04	122.6029	45.1755	167.7784		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	8.98	8.98		0.0846	5.69E-04	124.7891	45.9811	170.7702		
	8/12/2008 2:00	493	225	200	8.31	8.31		0.1721	1.36E-03	298.9291	110.1466	409.0756		
	8/12/2008 3:00	494	225	300	8.56	8.56		0.1379	1.04E-03	227.5044	83.8287	311.3331		
	8/12/2008 4:00	495	225	400	8.62	8.62		0.1299	9.65E-04	211.5224	77.9398	289.4621		
	8/12/2008 5:00	496	225	500	8.64	8.64		0.1273	9.41E-04	206.2929	76.0129	282.3058		
	8/12/2008 6:00	497	225	600	8.61	8.61		0.1312	9.77E-04	214.1554	78.9100	293.0654		
	8/12/2008 7:00	498	225	700	8.59	8.59		0.1339	1.00E-03	219.4582	80.8639	300.3221		
	8/12/2008 8:00	499	225	800	8.42	8.42		0.1568	1.22E-03	266.5297	98.2084	364.7381		
	8/12/2008 9:00	500	225	900	7.059	7.059		0.3798	3.61E-03	792.1526	291.8849	1084.0375		
	8/12/2008 10:00	501	225	1000	4.98	4.98		0.9558	1.13E-02	2467.3069	909.1300	3376.4368		
	8/12/2008 11:00	502	225	1100	4.551	4.551		1.1402	1.40E-02	3065.6094	1129.5868	4195.1962		
	8/12/2008 12:00	503	225	1200	4.92	4.92		0.9797	1.16E-02	2543.3152	937.1368	3480.4521		
	8/12/2008 13:00	504	225	1300	5.093	5.093		0.9124	1.06E-02	2330.1469	858.5905	3188.7374		
	8/12/2008 14:00	505	225	1400	5.18	5.18		0.8803	1.02E-02	2229.5854	821.5366	3051.1220		
	8/12/2008 15:00	506	225	1500	5.247	5.247		0.8563	9.83E-03	2154.9646	794.0410	2949.0056		
	8/12/2008 16:00	507	225	1600	5.335	5.335		0.8257	9.40E-03	2060.5031	759.2347	2819.7379		
	8/12/2008 17:00	508	225	1700	5.448	5.448		0.7878	8.87E-03	1944.7983	716.6009	2661.3993		
	8/12/2008 18:00	509	225	1800	5.568	5.568		0.7493	8.34E-03	1828.3798	673.7041	2502.0840		
	8/12/2008 19:00	510	225	1900	5.829	5.829		0.6710	7.28E-03	1596.0201	588.0864	2184.1065		
	8/12/2008 20:00	511	225	2000	6.519	6.519		0.4941	5.00E-03	1095.1110	403.5162	1498.6271		
	8/12/2008 21:00	512	225	2100	8.39	8.39		0.1609	1.26E-03	275.2125	101.4077	376.6203		
	8/12/2008 22:00	513	225	2200	9.03	9.03		0.0786	5.20E-04	113.9792	41.9980	155.9772		
	8/12/2008 23:00	514	225	2300	9.04	9.04		0.0774	5.10E-04	111.8538	41.2148	153.0686		
	8/13/2008 0:00	515	226	0	8.93	8.93	8.93	0.0907	6.20E-04	135.9018	50.0758	185.9776		
	8/13/2008 1:00	516	226	100	8.81	8.81		0.1056	7.47E-04	163.8006	60.3557	224.1563		
	8/13/2008 2:00	517	226	200	8.74	8.74		0.1144	8.25E-04	180.8747	66.6470	247.5217		
	8/13/2008 3:00	518	226	300	8.69	8.69		0.1208	8.82E-04	193.4323	71.2741	264.7064		
	8/13/2008 4:00	519	226	400	8.6	8.6		0.1326	9.89E-04	216.8007	79.8847	296.6853		
	8/13/2008 5:00	520	226	500	8.58	8.58		0.1352	1.01E-03	222.1280	81.8476	303.9756		
	8/13/2008 6:00	521	226	600	8.52	8.52		0.1432	1.09E-03	238.4054	87.8454	326.2508		
	8/13/2008 7:00	522	226	700	8.43	8.43		0.1554	1.20E-03	263.6608	97.1512	360.8120		
	8/13/2008 8:00	523	226	800	8.25	8.25		0.1806	1.45E-03	317.2604	116.9011	434.1615		
	8/13/2008 9:00	524	226	900	6.453	6.453		0.5094	5.19E-03	1136.9521	418.9334	1555.8854		
	8/13/2008 10:00	525	226	1000	4.768	4.768		1.0428	1.25E-02	2746.4786	1011.9965	3758.4751		
	8/13/2008 11:00	526	226	1100	4.867	4.867		1.0012	1.19E-02	2612.3839	962.5866	3574.9705		
	8/13/2008 12:00	527	226	1200	4.672	4.672		1.0848	1.32E-02	2883.1963	1062.3730	3945.5692		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.509	5.509	9.63	0.7480	8.32E-03	2274.6113	838.1273	3112.7387		
W610WN1	7/22/2008 14:00	1	204	1400	6.088	6.088		0.5818	6.11E-03	1669.3071	615.0905	2284.3977		
	7/22/2008 15:00	2	204	1500	6.026	6.026		0.5981	6.32E-03	1726.9739	636.3391	2363.3130		
Probe #	7/22/2008 16:00	3	204	1600	6.054	6.054		0.5907	6.22E-03	1700.7390	626.6723	2327.4113		
	7/22/2008 17:00	4	204	1700	6.092	6.092		0.5808	6.10E-03	1665.6395	613.7391	2279.3787		
2	7/22/2008 18:00	5	204	1800	6.174	6.174		0.5598	5.83E-03	1591.8286	586.5420	2178.3706		
	7/22/2008 19:00	6	204	1900	6.399	6.399		0.5049	5.13E-03	1402.0689	516.6211	1918.6900		
	7/22/2008 20:00	7	204	2000	6.859	6.859		0.4040	3.90E-03	1065.4868	392.6005	1458.0873		
	7/22/2008 21:00	8	204	2100	7.985	7.985		0.2060	1.70E-03	465.0497	171.3571	636.4068		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.14	9.14		0.0536	3.25E-04	88.6760	32.6745	121.3505		
	7/22/2008 23:00	10	204	2300	9.63	9.63		0.0000	0.00E+00	0.0000	0.0000	0.0000		
11.9	7/23/2008 0:00	11	205	0	9.92	9.92	10.12	-0.0292	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	10.03	10.03		-0.0399	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	NAN	10.075		-0.0442	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	10.12	10.12		-0.0484	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	10.11	10.11		-0.0475	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	10.06	10.06		-0.0427	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.98	9.98		-0.0351	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.79	9.79		-0.0163	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 8:00	19	205	800	9.21	9.21		0.0456	2.66E-04	72.6634	26.7743	99.4378		
	7/23/2008 9:00	20	205	900	7.972	7.972		0.2080	1.72E-03	470.5208	173.3730	643.8938		
	7/23/2008 10:00	21	205	1000	6.767	6.767		0.4231	4.13E-03	1127.7918	415.5581	1543.3499		
	7/23/2008 11:00	22	205	1100	6.493	6.493		0.4831	4.86E-03	1327.9712	489.3183	1817.2895		
	7/23/2008 12:00	23	205	1200	6.38	6.38		0.5094	5.19E-03	1417.4042	522.2717	1939.6760		
	7/23/2008 13:00	24	205	1300	6.298	6.298		0.5291	5.43E-03	1485.0153	547.1844	2032.1998		
	7/23/2008 14:00	25	205	1400	NAN	6.2655		0.5370	5.54E-03	1512.4681	557.3000	2069.7681		
	7/23/2008 15:00	26	205	1500	6.233	6.233		0.5450	5.64E-03	1540.3025	567.5561	2107.8586		
	7/23/2008 16:00	27	205	1600	6.383	6.383		0.5087	5.18E-03	1414.9747	521.3765	1936.3512		
	7/23/2008 17:00	28	205	1700	6.732	6.732		0.4305	4.22E-03	1152.1188	424.5219	1576.6407		
	7/23/2008 18:00	29	205	1800	7.288	7.288		0.3214	2.94E-03	803.8780	296.2054	1100.0833		
	7/23/2008 19:00	30	205	1900	7.522	7.522		0.2802	2.49E-03	679.2317	250.2769	929.5086		
	7/23/2008 20:00	31	205	2000	7.868	7.868		0.2239	1.89E-03	515.3756	189.9007	705.2763		
	7/23/2008 21:00	32	205	2100	8.37	8.37		0.1505	1.16E-03	316.0681	116.4618	432.5299		
	7/23/2008 22:00	33	205	2200	8.99	8.99		0.0712	4.60E-04	125.7271	46.3267	172.0538		
	7/23/2008 23:00	34	205	2300	9.24	9.24		0.0422	2.42E-04	66.0629	24.3422	90.4052		
	7/24/2008 0:00	35	206	0	9.3	9.3	9.73	0.0355	1.95E-04	53.3565	19.6603	73.0169		
	7/24/2008 1:00	36	206	100	9.39	9.39		0.0256	1.30E-04	35.6277	13.1278	48.7555		
	7/24/2008 2:00	37	206	200	9.47	9.47		0.0169	7.83E-05	21.4035	7.8866	29.2900		
	7/24/2008 3:00	38	206	300	9.58	9.58		0.0052	1.84E-05	5.0405	1.8573	6.8977		
	7/24/2008 4:00	39	206	400	9.64	9.64		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 5:00	40	206	500	9.71	9.71		-0.0082	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	NAN	9.72		-0.0093	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.73	9.73		-0.0103	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.59	9.59		0.0042	1.40E-05	3.8249	1.4094	5.2342		
	7/24/2008 9:00	44	206	900	9.28	9.28		0.0377	2.10E-04	57.5169	21.1933	78.7102		
	7/24/2008 10:00	45	206	1000	9.33	9.33		0.0322	1.73E-04	47.2619	17.4146	64.6766		
	7/24/2008 11:00	46	206	1100	NAN	7.9205		0.2158	1.80E-03	492.4895	181.4679	673.9574		
	7/24/2008 12:00	47	206	1200	6.511	6.511		0.4790	4.81E-03	1314.1114	484.2114	1798.3227		
	7/24/2008 13:00	48	206	1300	6.729	6.729		0.4311	4.22E-03	1154.2203	425.2962	1579.5165		
	7/24/2008 14:00	49	206	1400	6.668	6.668		0.4442	4.38E-03	1197.5184	441.2503	1638.7687		
	7/24/2008 15:00	50	206	1500	6.339	6.339		0.5192	5.31E-03	1450.9172	534.6203	1985.5375		
	7/24/2008 16:00	51	206	1600	6.256	6.256		0.5393	5.56E-03	1520.5646	560.2833	2080.8479		
	7/24/2008 17:00	52	206	1700	6.421	6.421		0.4998	5.07E-03	1384.4644	510.1344	1894.5988		
	7/24/2008 18:00	53	206	1800	6.388	6.388		0.5075	5.16E-03	1410.9323	519.8870	1930.8193		
	7/24/2008 19:00	54	206	1900	6.711	6.711		0.4350	4.27E-03	1166.8839	429.9624	1596.8463		
	7/24/2008 20:00	55	206	2000	7.411	7.411		0.2994	2.70E-03	736.8869	271.5211	1008.4081		
	7/24/2008 21:00	56	206	2100	8.53	8.53		0.1290	9.56E-04	261.2496	96.2628	357.5124		
	7/24/2008 22:00	57	206	2200	9.37	9.37		0.0277	1.44E-04	39.4203	14.5252	53.9456		
	7/24/2008 23:00	58	206	2300	9.56	9.56		0.0073	2.80E-05	7.6467	2.8176	10.4642		
	7/25/2008 0:00	59	207	0	9.52	9.52	9.52	0.0116	4.91E-05	13.4076	4.9403	18.3479		
	7/25/2008 1:00	60	207	100	9.4	9.4		0.0245	1.24E-04	33.7650	12.4414	46.2063		
	7/25/2008 2:00	61	207	200	9.25	9.25		0.0411	2.34E-04	63.8988	23.5448	87.4436		
	7/25/2008 3:00	62	207	300	9.08	9.08		0.0606	3.77E-04	103.0582	37.9739	141.0320		
	7/25/2008 4:00	63	207	400	8.92	8.92		0.0796	5.28E-04	144.2446	53.1499	197.3944		
	7/25/2008 5:00	64	207	500	8.79	8.79		0.0956	6.61E-04	180.6496	66.5641	247.2137		
	7/25/2008 6:00	65	207	600	8.72	8.72		0.1044	7.37E-04	201.3278	74.1834	275.5112		
	7/25/2008 7:00	66	207	700	8.6	8.6		0.1198	8.73E-04	238.5254	87.8896	326.4150		
	7/25/2008 8:00	67	207	800	8.5	8.5		0.1329	9.93E-04	271.2217	99.9372	371.1589		
	7/25/2008 9:00	68	207	900	8.4	8.4		0.1464	1.12E-03	305.4815	112.5610	418.0425		
	7/25/2008 10:00	69	207	1000	NAN	8.225		0.1708	1.35E-03	369.2809	136.0691	505.3500		
	7/25/2008 11:00	70	207	1100	8.05	8.05		0.1963	1.60E-03	438.1388	161.4412	599.5800		
	7/25/2008 12:00	71	207	1200	6.911	6.911		0.3934	3.77E-03	1031.2939	380.0015	1411.2954		
	7/25/2008 13:00	72	207	1300	6.004	6.004		0.6039	6.40E-03	1747.8119	644.0173	2391.8292		
	7/25/2008 14:00	73	207	1400	5.582	5.582		0.7252	8.01E-03	2189.3457	806.7094	2996.0551		
	7/25/2008 15:00	74	207	1500	5.686	5.686		0.6936	7.59E-03	2072.6724	763.7188	2836.3911		
	7/25/2008 16:00	75	207	1600	NAN	5.686		0.6936	7.59E-03	2072.6724	763.7188	2836.3911		
	7/25/2008 17:00	76	207	1700	NAN	6.062		0.5886	6.20E-03	1693.3017	623.9318	2317.2335		
	7/25/2008 18:00	77	207	1800	6.062	6.062		0.5886	6.20E-03	1693.3017	623.9318	2317.2335		
	7/25/2008 19:00	78	207	1900	6.192	6.192		0.5552	5.77E-03	1575.9709	580.6989	2156.6698		
	7/25/2008 20:00	79	207	2000	6.833	6.833		0.4093	3.96E-03	1082.8576	399.0011	1481.8587		
	7/25/2008 21:00	80	207	2100	7.906	7.906		0.2181	1.83E-03	498.7606	183.7786	682.5391		
	7/25/2008 22:00	81	207	2200	8.65	8.65		0.1133	8.15E-04	222.7573	82.0795	304.8369		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	8.57	8.57		0.1237	9.08E-04	248.1714	91.4438	339.6152		
	7/26/2008 0:00	83	208	0	8.41	8.41	8.41	0.1451	1.11E-03	301.9845	111.2724	413.2569		
	7/26/2008 1:00	84	208	100	8.3	8.3		0.1602	1.25E-03	341.3311	125.7704	467.1015		
	7/26/2008 2:00	85	208	200	8.21	8.21		0.1730	1.37E-03	374.9817	138.1697	513.1514		
	7/26/2008 3:00	86	208	300	8.13	8.13		0.1845	1.49E-03	406.0191	149.6061	555.6252		
	7/26/2008 4:00	87	208	400	8.08	8.08		0.1918	1.56E-03	425.9656	156.9558	582.9213		
	7/26/2008 5:00	88	208	500	8.02	8.02		0.2007	1.65E-03	450.4676	165.9841	616.4517		
	7/26/2008 6:00	89	208	600	7.955	7.955		0.2106	1.75E-03	477.7203	176.0259	653.7462		
	7/26/2008 7:00	90	208	700	7.874	7.874		0.2230	1.88E-03	512.7347	188.9276	701.6623		
	7/26/2008 8:00	91	208	800	7.816	7.816		0.2321	1.97E-03	538.5401	198.4362	736.9763		
	7/26/2008 9:00	92	208	900	7.661	7.661		0.2570	2.23E-03	610.6054	224.9901	835.5955		
	7/26/2008 10:00	93	208	1000	6.021	6.021		0.5994	6.34E-03	1731.6923	638.0777	2369.7700		
	7/26/2008 11:00	94	208	1100	5.32	5.32		0.8102	9.18E-03	2509.2496	924.5846	3433.8342		
	7/26/2008 12:00	95	208	1200	5.603	5.603		0.7187	7.92E-03	2165.3403	797.8642	2963.2045		
	7/26/2008 13:00	96	208	1300	5.143	5.143		0.8724	1.01E-02	2748.8430	1012.8678	3761.7108		
	7/26/2008 14:00	97	208	1400	5.071	5.071		0.8990	1.04E-02	2852.3170	1050.9949	3903.3119		
	7/26/2008 15:00	98	208	1500	5.049	5.049		0.9073	1.06E-02	2884.6682	1062.9153	3947.5836		
	7/26/2008 16:00	99	208	1600	5.161	5.161		0.8659	9.97E-03	2723.5361	1003.5429	3727.0789		
	7/26/2008 17:00	100	208	1700	NAN	5.235		0.8395	9.59E-03	2621.7755	966.0471	3587.8226		
	7/26/2008 18:00	101	208	1800	5.309	5.309		0.8139	9.24E-03	2523.5571	929.8565	3453.4136		
	7/26/2008 19:00	102	208	1900	5.484	5.484		0.7560	8.43E-03	2304.4764	849.1317	3153.6082		
	7/26/2008 20:00	103	208	2000	5.873	5.873		0.6397	6.87E-03	1876.1278	691.2979	2567.4256		
	7/26/2008 21:00	104	208	2100	6.747	6.747		0.4273	4.18E-03	1141.6501	420.6645	1562.3146		
	7/26/2008 22:00	105	208	2200	7.614	7.614		0.2648	2.32E-03	633.3765	233.3806	866.7571		
	7/26/2008 23:00	106	208	2300	7.92	7.92		0.2159	1.80E-03	492.7051	181.5473	674.2525		
	7/27/2008 0:00	107	209	0	7.961	7.961	8.00	0.2096	1.74E-03	475.1735	175.0874	650.2609		
	7/27/2008 1:00	108	209	100	7.987	7.987		0.2057	1.70E-03	464.2106	171.0480	635.2586		
	7/27/2008 2:00	109	209	200	7.996	7.996		0.2044	1.69E-03	460.4436	169.6599	630.1035		
	7/27/2008 3:00	110	209	300	8	8		0.2038	1.68E-03	458.7739	169.0447	627.8186		
	7/27/2008 4:00	111	209	400	7.982	7.982		0.2065	1.71E-03	466.3096	171.8214	638.1310		
	7/27/2008 5:00	112	209	500	7.927	7.927		0.2148	1.79E-03	489.6906	180.4366	670.1272		
	7/27/2008 6:00	113	209	600	7.857	7.857		0.2257	1.90E-03	520.2343	191.6910	711.9253		
	7/27/2008 7:00	114	209	700	7.772	7.772		0.2391	2.04E-03	558.5332	205.8030	764.3362		
	7/27/2008 8:00	115	209	800	7.739	7.739		0.2443	2.10E-03	573.7673	211.4164	785.1837		
	7/27/2008 9:00	116	209	900	NAN	6.381		0.5092	5.18E-03	1416.5940	521.9732	1938.5673		
	7/27/2008 10:00	117	209	1000	5.023	5.023		0.9172	1.07E-02	2923.3560	1077.1707	4000.5267		
	7/27/2008 11:00	118	209	1100	4.839	4.839		0.9901	1.18E-02	3211.9591	1183.5124	4395.4715		
	7/27/2008 12:00	119	209	1200	4.795	4.795		1.0083	1.20E-02	3285.0414	1210.4411	4495.4825		
	7/27/2008 13:00	120	209	1300	4.836	4.836		0.9913	1.18E-02	3216.8900	1185.3293	4402.2193		
	7/27/2008 14:00	121	209	1400	4.687	4.687		1.0546	1.27E-02	3471.6051	1279.1843	4750.7894		
	7/27/2008 15:00	122	209	1500	4.7	4.7		1.0489	1.26E-02	3448.5907	1270.7042	4719.2949		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.774	4.774		1.0172	1.22E-02	3320.5067	1223.5090	4544.0157		
	7/27/2008 17:00	124	209	1700	4.829	4.829		0.9942	1.18E-02	3228.4248	1189.5795	4418.0043		
	7/27/2008 18:00	125	209	1800	4.943	4.943		0.9482	1.11E-02	3045.5716	1122.2035	4167.7751		
	7/27/2008 19:00	126	209	1900	5.087	5.087		0.8931	1.04E-02	2829.0073	1042.4059	3871.4133		
	7/27/2008 20:00	127	209	2000	5.424	5.424		0.7754	8.70E-03	2377.5798	876.0682	3253.6480		
	7/27/2008 21:00	128	209	2100	NAN	6.303		0.5278	5.42E-03	1480.8253	545.6405	2026.4658		
	7/27/2008 22:00	129	209	2200	7.182	7.182		0.3409	3.16E-03	864.3474	318.4866	1182.8340		
	7/27/2008 23:00	130	209	2300	7.532	7.532		0.2785	2.47E-03	674.1639	248.4096	922.5735		
	7/28/2008 0:00	131	210	0	7.658	7.658	7.81	0.2575	2.24E-03	612.0459	225.5209	837.5667		
	7/28/2008 1:00	132	210	100	7.734	7.734		0.2452	2.11E-03	576.0936	212.2735	788.3671		
	7/28/2008 2:00	133	210	200	7.771	7.771		0.2392	2.05E-03	558.9918	205.9720	764.9638		
	7/28/2008 3:00	134	210	300	7.806	7.806		0.2337	1.99E-03	543.0522	200.0988	743.1510		
	7/28/2008 4:00	135	210	400	NAN	7.7835		0.2372	2.02E-03	553.2727	203.8647	757.1374		
	7/28/2008 5:00	136	210	500	7.761	7.761		0.2408	2.06E-03	563.5883	207.6657	771.2540		
	7/28/2008 6:00	137	210	600	7.715	7.715		0.2482	2.14E-03	584.9770	215.5468	800.5238		
	7/28/2008 7:00	138	210	700	7.638	7.638		0.2608	2.28E-03	621.6941	229.0760	850.7701		
	7/28/2008 8:00	139	210	800	6.798	6.798		0.4166	4.05E-03	1106.5350	407.7256	1514.2605		
	7/28/2008 9:00	140	210	900	5.181	5.181		0.8587	9.87E-03	2695.6745	993.2767	3688.9512		
	7/28/2008 10:00	141	210	1000	4.524	4.524		1.1286	1.38E-02	3773.9724	1390.5978	5164.5702		
	7/28/2008 11:00	142	210	1100	4.494	4.494		1.1429	1.40E-02	3832.5484	1412.1813	5244.7297		
	7/28/2008 12:00	143	210	1200	4.503	4.503		1.1386	1.40E-02	3814.8759	1405.6695	5220.5453		
	7/28/2008 13:00	144	210	1300	4.54	4.54		1.1211	1.37E-02	3743.1170	1379.2284	5122.3454		
	7/28/2008 14:00	145	210	1400	4.501	4.501		1.1395	1.40E-02	3818.7957	1407.1138	5225.9095		
	7/28/2008 15:00	146	210	1500	4.51	4.51		1.1353	1.39E-02	3801.1899	1400.6266	5201.8164		
	7/28/2008 16:00	147	210	1600	4.633	4.633		1.0786	1.31E-02	3568.8992	1315.0343	4883.9335		
	7/28/2008 17:00	148	210	1700	4.652	4.652		1.0701	1.29E-02	3534.3508	1302.3043	4836.6551		
	7/28/2008 18:00	149	210	1800	4.825	4.825		0.9959	1.18E-02	3235.0346	1192.0150	4427.0496		
	7/28/2008 19:00	150	210	1900	5.032	5.032		0.9138	1.06E-02	2909.9079	1072.2154	3982.1233		
	7/28/2008 20:00	151	210	2000	5.452	5.452		0.7663	8.58E-03	2343.2113	863.4044	3206.6157		
	7/28/2008 21:00	152	210	2100	6.58	6.58		0.4635	4.62E-03	1261.9339	464.9855	1726.9193		
	7/28/2008 22:00	153	210	2200	7.08	7.08		0.3602	3.39E-03	925.0380	340.8493	1265.8873		
	7/28/2008 23:00	154	210	2300	7.355	7.355		0.3093	2.81E-03	766.9736	282.6072	1049.5807		
	7/29/2008 0:00	155	211	0	7.529	7.529	7.74	0.2791	2.47E-03	675.6821	248.9690	924.6511		
	7/29/2008 1:00	156	211	100	7.656	7.656		0.2578	2.24E-03	613.0071	225.8751	838.8822		
	7/29/2008 2:00	157	211	200	7.726	7.726		0.2464	2.12E-03	579.8255	213.6486	793.4742		
	7/29/2008 3:00	158	211	300	7.736	7.736		0.2448	2.10E-03	575.1625	211.9304	787.0929		
	7/29/2008 4:00	159	211	400	7.721	7.721		0.2472	2.13E-03	582.1642	214.5104	796.6746		
	7/29/2008 5:00	160	211	500	7.684	7.684		0.2533	2.19E-03	599.6203	220.9424	820.5628		
	7/29/2008 6:00	161	211	600	7.652	7.652		0.2585	2.25E-03	614.9321	226.5844	841.5164		
	7/29/2008 7:00	162	211	700	7.622	7.622		0.2634	2.30E-03	629.4697	231.9411	861.4107		
	7/29/2008 8:00	163	211	800	7.402	7.402		0.3010	2.71E-03	741.6764	273.2859	1014.9623		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.932	5.932		0.6234	6.65E-03	1817.4238	669.6672	2487.0910		
	7/29/2008 10:00	165	211	1000	4.516	4.516		1.1324	1.39E-02	3789.5001	1396.3192	5185.8193		
	7/29/2008 11:00	166	211	1100	4.736	4.736		1.0334	1.24E-02	3385.6660	1247.5183	4633.1842		
	7/29/2008 12:00	167	211	1200	4.248	4.248		1.2669	1.59E-02	4351.0705	1603.2414	5954.3119		
	7/29/2008 13:00	168	211	1300	4.268	4.268		1.2563	1.58E-02	4306.2042	1586.7095	5892.9136		
	7/29/2008 14:00	169	211	1400	4.184	4.184		1.3016	1.65E-02	4498.1277	1657.4277	6155.5554		
	7/29/2008 15:00	170	211	1500	NAN	4.38		1.1986	1.49E-02	4064.0687	1497.4897	5561.5583		
	7/29/2008 16:00	171	211	1600	4.576	4.576		1.1045	1.34E-02	3674.6523	1354.0012	5028.6536		
	7/29/2008 17:00	172	211	1700	NAN	4.6405		1.0752	1.30E-02	3555.2203	1309.9941	4865.2144		
	7/29/2008 18:00	173	211	1800	4.705	4.705		1.0468	1.26E-02	3439.7806	1267.4579	4707.2384		
	7/29/2008 19:00	174	211	1900	4.734	4.734		1.0342	1.24E-02	3389.1310	1248.7950	4637.9260		
	7/29/2008 20:00	175	211	2000	5.405	5.405		0.7817	8.79E-03	2401.1580	884.7561	3285.9141		
	7/29/2008 21:00	176	211	2100	6.554	6.554		0.4693	4.69E-03	1281.4195	472.1654	1753.5848		
	7/29/2008 22:00	177	211	2200	7.315	7.315		0.3165	2.89E-03	788.8855	290.6811	1079.5666		
	7/29/2008 23:00	178	211	2300	7.507	7.507		0.2828	2.51E-03	686.8721	253.0921	939.9642		
	7/30/2008 0:00	179	212	0	7.529	7.529	7.53	0.2791	2.47E-03	675.6821	248.9690	924.6511		
	7/30/2008 1:00	180	212	100	7.526	7.526		0.2796	2.48E-03	677.2021	249.5291	926.7312		
	7/30/2008 2:00	181	212	200	7.504	7.504		0.2833	2.52E-03	688.4057	253.6572	942.0630		
	7/30/2008 3:00	182	212	300	7.485	7.485		0.2866	2.56E-03	698.1624	257.2523	955.4147		
	7/30/2008 4:00	183	212	400	7.47	7.47		0.2892	2.58E-03	705.9183	260.1101	966.0285		
	7/30/2008 5:00	184	212	500	7.447	7.447		0.2931	2.63E-03	717.9028	264.5261	982.4289		
	7/30/2008 6:00	185	212	600	7.426	7.426		0.2968	2.67E-03	728.9432	268.5941	997.5373		
	7/30/2008 7:00	186	212	700	7.402	7.402		0.3010	2.71E-03	741.6764	273.2859	1014.9623		
	7/30/2008 8:00	187	212	800	7.384	7.384		0.3042	2.75E-03	751.3078	276.8348	1028.1426		
	7/30/2008 9:00	188	212	900	7.351	7.351		0.3100	2.81E-03	769.1488	283.4087	1052.5575		
	7/30/2008 10:00	189	212	1000	5.207	5.207		0.8494	9.73E-03	2659.8541	980.0779	3639.9320		
	7/30/2008 11:00	190	212	1100	4.115	4.115		1.3402	1.71E-02	4662.8648	1718.1284	6380.9932		
	7/30/2008 12:00	191	212	1200	4.063	4.063		1.3702	1.75E-02	4791.4708	1765.5160	6556.9868		
	7/30/2008 13:00	192	212	1300	4.144	4.144		1.3238	1.68E-02	4592.8234	1692.3203	6285.1437		
	7/30/2008 14:00	193	212	1400	4.201	4.201		1.2923	1.63E-02	4458.5387	1642.8403	6101.3789		
	7/30/2008 15:00	194	212	1500	4.343	4.343		1.2174	1.52E-02	4142.3896	1526.3486	5668.7383		
	7/30/2008 16:00	195	212	1600	4.299	4.299		1.2401	1.55E-02	4237.6563	1561.4516	5799.1079		
	7/30/2008 17:00	196	212	1700	4.399	4.399		1.1891	1.47E-02	4024.4694	1482.8985	5507.3679		
	7/30/2008 18:00	197	212	1800	4.567	4.567		1.1086	1.35E-02	3691.6451	1360.2626	5051.9077		
	7/30/2008 19:00	198	212	1900	4.636	4.636		1.0772	1.30E-02	3563.4212	1313.0158	4876.4370		
	7/30/2008 20:00	199	212	2000	5.114	5.114		0.8831	1.02E-02	2790.0835	1028.0637	3818.1472		
	7/30/2008 21:00	200	212	2100	6.331	6.331		0.5211	5.33E-03	1457.5242	537.0548	1994.5790		
	7/30/2008 22:00	201	212	2200	7.19	7.19		0.3394	3.15E-03	859.6926	316.7714	1176.4640		
	7/30/2008 23:00	202	212	2300	7.429	7.429		0.2963	2.66E-03	727.3603	268.0108	995.3711		
	7/31/2008 0:00	203	213	0	7.49	7.49	7.52	0.2857	2.55E-03	695.5876	256.3035	951.8911		
	7/31/2008 1:00	204	213	100	7.512	7.512		0.2819	2.50E-03	684.3201	252.1518	936.4719		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	7.521	7.521		0.2804	2.49E-03	679.7396	250.4640	930.2037		
	7/31/2008 3:00	206	213	300	7.523	7.523		0.2801	2.48E-03	678.7240	250.0898	928.8138		
	7/31/2008 4:00	207	213	400	7.511	7.511		0.2821	2.51E-03	684.8301	252.3397	937.1698		
	7/31/2008 5:00	208	213	500	7.505	7.505		0.2831	2.52E-03	687.8943	253.4688	941.3631		
	7/31/2008 6:00	209	213	600	7.496	7.496		0.2847	2.53E-03	692.5046	255.1676	947.6722		
	7/31/2008 7:00	210	213	700	7.483	7.483		0.2869	2.56E-03	699.1938	257.6323	956.8261		
	7/31/2008 8:00	211	213	800	7.494	7.494		0.2850	2.54E-03	693.5314	255.5459	949.0774		
	7/31/2008 9:00	212	213	900	7.217	7.217		0.3343	3.09E-03	844.0934	311.0236	1155.1170		
	7/31/2008 10:00	213	213	1000	4.589	4.589		1.0985	1.34E-02	3650.2507	1345.0099	4995.2606		
	7/31/2008 11:00	214	213	1100	4.176	4.176		1.3060	1.65E-02	4516.8922	1664.3418	6181.2341		
	7/31/2008 12:00	215	213	1200	4.101	4.101		1.3482	1.72E-02	4697.1044	1730.7447	6427.8491		
	7/31/2008 13:00	216	213	1300	4.373	4.373		1.2021	1.49E-02	4078.7631	1502.9041	5581.6672		
	7/31/2008 14:00	217	213	1400	4.222	4.222		1.2809	1.61E-02	4410.1644	1625.0158	6035.1802		
	7/31/2008 15:00	218	213	1500	NAN	4.322		1.2281	1.53E-02	4187.5651	1542.9945	5730.5596		
	7/31/2008 16:00	219	213	1600	4.422	4.422		1.1777	1.46E-02	3977.0849	1465.4387	5442.5237		
	7/31/2008 17:00	220	213	1700	4.457	4.457		1.1606	1.43E-02	3906.1154	1439.2886	5345.4040		
	7/31/2008 18:00	221	213	1800	4.624	4.624		1.0826	1.31E-02	3585.3854	1321.1090	4906.4944		
	7/31/2008 19:00	222	213	1900	4.885	4.885		0.9713	1.15E-02	3137.2856	1155.9974	4293.2831		
	7/31/2008 20:00	223	213	2000	5.476	5.476		0.7586	8.47E-03	2314.1064	852.6801	3166.7865		
	7/31/2008 21:00	224	213	2100	6.137	6.137		0.5692	5.95E-03	1624.8117	598.6953	2223.5070		
	7/31/2008 22:00	225	213	2200	6.913	6.913		0.3930	3.77E-03	1029.9932	379.5222	1409.5154		
	7/31/2008 23:00	226	213	2300	7.006	7.006		0.3745	3.55E-03	970.6671	357.6623	1328.3293		
	8/1/2008 0:00	227	214	0	7.172	7.172	7.64	0.3427	3.18E-03	870.1872	320.6384	1190.8255		
	8/1/2008 1:00	228	214	100	7.413	7.413		0.2991	2.69E-03	735.8250	271.1298	1006.9548		
	8/1/2008 2:00	229	214	200	7.511	7.511		0.2821	2.51E-03	684.8301	252.3397	937.1698		
	8/1/2008 3:00	230	214	300	7.526	7.526		0.2796	2.48E-03	677.2021	249.5291	926.7312		
	8/1/2008 4:00	231	214	400	7.534	7.534		0.2782	2.46E-03	673.1529	248.0370	921.1899		
	8/1/2008 5:00	232	214	500	7.515	7.515		0.2814	2.50E-03	682.7914	251.5885	934.3800		
	8/1/2008 6:00	233	214	600	7.472	7.472		0.2888	2.58E-03	704.8815	259.7281	964.6096		
	8/1/2008 7:00	234	214	700	7.439	7.439		0.2945	2.64E-03	722.0976	266.0717	988.1693		
	8/1/2008 8:00	235	214	800	7.427	7.427		0.2966	2.67E-03	728.4153	268.3996	996.8150		
	8/1/2008 9:00	236	214	900	6.837	6.837		0.4085	3.95E-03	1080.1731	398.0120	1478.1851		
	8/1/2008 10:00	237	214	1000	4.6	4.6		1.0935	1.33E-02	3629.7345	1337.4503	4967.1849		
	8/1/2008 11:00	238	214	1100	4.399	4.399		1.1891	1.47E-02	4024.4694	1482.8985	5507.3679		
	8/1/2008 12:00	239	214	1200	4.444	4.444		1.1670	1.44E-02	3932.3171	1448.9431	5381.2602		
	8/1/2008 13:00	240	214	1300	4.449	4.449		1.1645	1.44E-02	3922.2175	1445.2217	5367.4392		
	8/1/2008 14:00	241	214	1400	4.434	4.434		1.1719	1.45E-02	3952.5993	1456.4165	5409.0157		
	8/1/2008 15:00	242	214	1500	4.45	4.45		1.1640	1.43E-02	3920.2009	1444.4786	5364.6795		
	8/1/2008 16:00	243	214	1600	4.56	4.56		1.1118	1.36E-02	3704.9183	1365.1534	5070.0717		
	8/1/2008 17:00	244	214	1700	4.648	4.648		1.0719	1.30E-02	3541.5955	1304.9737	4846.5692		
	8/1/2008 18:00	245	214	1800	4.772	4.772		1.0180	1.22E-02	3323.9044	1224.7609	4548.6653		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.011	5.011		0.9218	1.08E-02	2941.3802	1083.8120	4025.1922		
	8/1/2008 20:00	247	214	2000	5.813	5.813		0.6566	7.09E-03	1937.4154	713.8805	2651.2959		
	8/1/2008 21:00	248	214	2100	6.973	6.973		0.3810	3.63E-03	991.4617	365.3245	1356.7862		
	8/1/2008 22:00	249	214	2200	7.517	7.517		0.2811	2.50E-03	681.7733	251.2134	932.9867		
	8/1/2008 23:00	250	214	2300	7.637	7.637		0.2610	2.28E-03	622.1786	229.2545	851.4331		
	8/2/2008 0:00	251	215	0	7.675	7.675	7.70	0.2547	2.21E-03	603.9065	222.5218	826.4283		
	8/2/2008 1:00	252	215	100	7.703	7.703		0.2502	2.16E-03	590.6234	217.6273	808.2507		
	8/2/2008 2:00	253	215	200	7.695	7.695		0.2515	2.18E-03	594.4030	219.0200	813.4231		
	8/2/2008 3:00	254	215	300	7.681	7.681		0.2537	2.20E-03	601.0473	221.4682	822.5156		
	8/2/2008 4:00	255	215	400	7.673	7.673		0.2551	2.21E-03	604.8612	222.8735	827.7347		
	8/2/2008 5:00	256	215	500	7.677	7.677		0.2544	2.21E-03	602.9527	222.1703	825.1230		
	8/2/2008 6:00	257	215	600	7.672	7.672		0.2552	2.22E-03	605.3388	223.0495	828.3883		
	8/2/2008 7:00	258	215	700	7.618	7.618		0.2641	2.31E-03	631.4215	232.6602	864.0817		
	8/2/2008 8:00	259	215	800	7.042	7.042		0.3675	3.47E-03	948.2979	349.4199	1297.7177		
	8/2/2008 9:00	260	215	900	5.168	5.168		0.8634	9.93E-03	2713.7539	999.9384	3713.6923		
	8/2/2008 10:00	261	215	1000	4.646	4.646		1.0728	1.30E-02	3545.2235	1306.3105	4851.5340		
	8/2/2008 11:00	262	215	1100	4.566	4.566		1.1091	1.35E-02	3693.5383	1360.9601	5054.4984		
	8/2/2008 12:00	263	215	1200	4.508	4.508		1.1362	1.39E-02	3805.0949	1402.0655	5207.1603		
	8/2/2008 13:00	264	215	1300	4.555	4.555		1.1142	1.36E-02	3714.4297	1368.6580	5083.0877		
	8/2/2008 14:00	265	215	1400	4.611	4.611		1.0885	1.32E-02	3609.3378	1329.9348	4939.2726		
	8/2/2008 15:00	266	215	1500	4.647	4.647		1.0723	1.30E-02	3543.4090	1305.6419	4849.0509		
	8/2/2008 16:00	267	215	1600	4.705	4.705		1.0468	1.26E-02	3439.7806	1267.4579	4707.2384		
	8/2/2008 17:00	268	215	1700	4.765	4.765		1.0210	1.22E-02	3335.8238	1229.1529	4564.9767		
	8/2/2008 18:00	269	215	1800	4.903	4.903		0.9641	1.14E-02	3108.5356	1145.4039	4253.9395		
	8/2/2008 19:00	270	215	1900	5.086	5.086		0.8934	1.04E-02	2830.4588	1042.9408	3873.3996		
	8/2/2008 20:00	271	215	2000	5.631	5.631		0.7102	7.81E-03	2133.6882	786.2013	2919.8895		
	8/2/2008 21:00	272	215	2100	6.276	6.276		0.5344	5.50E-03	1503.5573	554.0166	2057.5740		
	8/2/2008 22:00	273	215	2200	7.083	7.083		0.3596	3.38E-03	923.2170	340.1783	1263.3952		
	8/2/2008 23:00	274	215	2300	7.442	7.442		0.2940	2.64E-03	720.5230	265.4915	986.0145		
	8/3/2008 0:00	275	216	0	7.521	7.521	7.76	0.2804	2.49E-03	679.7396	250.4640	930.2037		
	8/3/2008 1:00	276	216	100	7.5	7.5		0.2840	2.53E-03	690.4535	254.4118	944.8653		
	8/3/2008 2:00	277	216	200	7.567	7.567		0.2726	2.40E-03	656.5881	241.9334	898.5215		
	8/3/2008 3:00	278	216	300	7.652	7.652		0.2585	2.25E-03	614.9321	226.5844	841.5164		
	8/3/2008 4:00	279	216	400	7.726	7.726		0.2464	2.12E-03	579.8255	213.6486	793.4742		
	8/3/2008 5:00	280	216	500	7.753	7.753		0.2421	2.08E-03	567.2791	209.0256	776.3047		
	8/3/2008 6:00	281	216	600	7.763	7.763		0.2405	2.06E-03	562.6675	207.3264	769.9939		
	8/3/2008 7:00	282	216	700	7.764	7.764		0.2403	2.06E-03	562.2073	207.1569	769.3642		
	8/3/2008 8:00	283	216	800	7.479	7.479		0.2876	2.57E-03	701.2591	258.3933	959.6525		
	8/3/2008 9:00	284	216	900	5.477	5.477		0.7583	8.46E-03	2312.9007	852.2358	3165.1365		
	8/3/2008 10:00	285	216	1000	4.629	4.629		1.0804	1.31E-02	3576.2167	1317.7306	4893.9473		
	8/3/2008 11:00	286	216	1100	4.694	4.694		1.0516	1.27E-02	3459.1933	1274.6109	4733.8043		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	4.72	4.72		1.0403	1.25E-02	3413.4872	1257.7696	4671.2568		
	8/3/2008 13:00	288	216	1300	4.723	4.723		1.0390	1.25E-02	3408.2531	1255.8410	4664.0941		
	8/3/2008 14:00	289	216	1400	NAN	4.749		1.0278	1.23E-02	3363.2305	1239.2515	4602.4820		
	8/3/2008 15:00	290	216	1500	4.775	4.775		1.0168	1.21E-02	3318.8092	1222.8835	4541.6927		
	8/3/2008 16:00	291	216	1600	4.832	4.832		0.9930	1.18E-02	3223.4763	1187.7561	4411.2324		
	8/3/2008 17:00	292	216	1700	4.886	4.886		0.9709	1.15E-02	3135.6816	1155.4064	4291.0879		
	8/3/2008 18:00	293	216	1800	5.006	5.006		0.9237	1.08E-02	2948.9219	1086.5909	4035.5129		
	8/3/2008 19:00	294	216	1900	5.174	5.174		0.8612	9.90E-03	2705.3954	996.8586	3702.2540		
	8/3/2008 20:00	295	216	2000	NAN	5.174		0.8612	9.90E-03	2705.3954	996.8586	3702.2540		
	8/3/2008 21:00	296	216	2100	NAN	6.813		0.4135	4.01E-03	1096.3459	403.9712	1500.3172		
	8/3/2008 22:00	297	216	2200	6.813	6.813		0.4135	4.01E-03	1096.3459	403.9712	1500.3172		
	8/3/2008 23:00	298	216	2300	6.96	6.96		0.3836	3.66E-03	999.7305	368.3713	1368.1018		
	8/4/2008 0:00	299	217	0	6.975	6.975	7.55	0.3806	3.62E-03	990.1935	364.8572	1355.0507		
	8/4/2008 1:00	300	217	100	6.982	6.982		0.3793	3.61E-03	985.7628	363.2246	1348.9873		
	8/4/2008 2:00	301	217	200	6.754	6.754		0.4258	4.16E-03	1136.7868	418.8725	1555.6593		
	8/4/2008 3:00	302	217	300	6.545	6.545		0.4714	4.71E-03	1288.2136	474.6688	1762.8825		
	8/4/2008 4:00	303	217	400	6.321	6.321		0.5235	5.36E-03	1465.8144	540.1095	2005.9238		
	8/4/2008 5:00	304	217	500	6.322	6.322		0.5233	5.36E-03	1464.9838	539.8034	2004.7872		
	8/4/2008 6:00	305	217	600	6.616	6.616		0.4556	4.52E-03	1235.2983	455.1711	1690.4694		
	8/4/2008 7:00	306	217	700	6.651	6.651		0.4479	4.43E-03	1209.7803	445.7684	1655.5488		
	8/4/2008 8:00	307	217	800	6.551	6.551		0.4700	4.70E-03	1283.6814	472.9988	1756.6802		
	8/4/2008 9:00	308	217	900	6.371	6.371		0.5115	5.21E-03	1424.7112	524.9642	1949.6754		
	8/4/2008 10:00	309	217	1000	5.465	5.465		0.7621	8.52E-03	2327.4060	857.5806	3184.9865		
	8/4/2008 11:00	310	217	1100	4.972	4.972		0.9368	1.10E-02	3000.7051	1105.6715	4106.3766		
	8/4/2008 12:00	311	217	1200	4.914	4.914		0.9597	1.13E-02	3091.0942	1138.9772	4230.0714		
	8/4/2008 13:00	312	217	1300	4.957	4.957		0.9427	1.11E-02	3023.8308	1114.1926	4138.0234		
	8/4/2008 14:00	313	217	1400	5.263	5.263		0.8298	9.46E-03	2584.2040	952.2031	3536.4071		
	8/4/2008 15:00	314	217	1500	5.489	5.489		0.7544	8.41E-03	2298.4758	846.9207	3145.3965		
	8/4/2008 16:00	315	217	1600	5.031	5.031		0.9141	1.07E-02	2911.3992	1072.7649	3984.1641		
	8/4/2008 17:00	316	217	1700	5.034	5.034		0.9130	1.06E-02	2906.9275	1071.1172	3978.0448		
	8/4/2008 18:00	317	217	1800	5.17	5.17		0.8627	9.92E-03	2710.9650	998.9108	3709.8759		
	8/4/2008 19:00	318	217	1900	5.381	5.381		0.7896	8.90E-03	2431.2420	895.8411	3327.0831		
	8/4/2008 20:00	319	217	2000	NAN	6.1255		0.5721	5.98E-03	1635.1704	602.5122	2237.6825		
	8/4/2008 21:00	320	217	2100	6.87	6.87		0.4017	3.87E-03	1058.1930	389.9130	1448.1060		
	8/4/2008 22:00	321	217	2200	7.35	7.35		0.3102	2.82E-03	769.6932	283.6093	1053.3025		
	8/4/2008 23:00	322	217	2300	7.548	7.548		0.2758	2.44E-03	666.0982	245.4376	911.5358		
	8/5/2008 0:00	323	218	0	7.708	7.708	7.86	0.2494	2.15E-03	588.2673	216.7592	805.0265		
	8/5/2008 1:00	324	218	100	7.795	7.795		0.2354	2.01E-03	548.0371	201.9355	749.9726		
	8/5/2008 2:00	325	218	200	7.846	7.846		0.2274	1.92E-03	525.1152	193.4895	718.6046		
	8/5/2008 3:00	326	218	300	7.858	7.858		0.2255	1.90E-03	519.7916	191.5279	711.3196		
	8/5/2008 4:00	327	218	400	7.841	7.841		0.2282	1.93E-03	527.3411	194.3097	721.6508		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	7.85	7.85		0.2268	1.92E-03	523.3377	192.8345	716.1723		
	8/5/2008 6:00	329	218	600	7.862	7.862		0.2249	1.90E-03	518.0230	190.8762	708.8992		
	8/5/2008 7:00	330	218	700	7.848	7.848		0.2271	1.92E-03	524.2261	193.1619	717.3880		
	8/5/2008 8:00	331	218	800	7.769	7.769		0.2395	2.05E-03	559.9096	206.3102	766.2198		
	8/5/2008 9:00	332	218	900	6.9	6.9		0.3957	3.80E-03	1038.4666	382.6444	1421.1110		
	8/5/2008 10:00	333	218	1000	5.296	5.296		0.8184	9.30E-03	2540.5623	936.1224	3476.6847		
	8/5/2008 11:00	334	218	1100	5.368	5.368		0.7940	8.96E-03	2447.6793	901.8978	3349.5771		
	8/5/2008 12:00	335	218	1200	5.167	5.167		0.8638	9.94E-03	2715.1493	1000.4526	3715.6019		
	8/5/2008 13:00	336	218	1300	4.857	4.857		0.9827	1.16E-02	3182.5313	1172.6691	4355.2004		
	8/5/2008 14:00	337	218	1400	5.323	5.323		0.8091	9.17E-03	2505.3605	923.1516	3428.5121		
	8/5/2008 15:00	338	218	1500	5.603	5.603		0.7187	7.92E-03	2165.3403	797.8642	2963.2045		
	8/5/2008 16:00	339	218	1600	5.456	5.456		0.7650	8.56E-03	2338.3380	861.6087	3199.9467		
	8/5/2008 17:00	340	218	1700	5.1	5.1		0.8882	1.03E-02	2810.2022	1035.4768	3845.6789		
	8/5/2008 18:00	341	218	1800	NAN	5.1595		0.8665	9.98E-03	2725.6366	1004.3168	3729.9534		
	8/5/2008 19:00	342	218	1900	5.219	5.219		0.8452	9.67E-03	2643.4720	974.0416	3617.5137		
	8/5/2008 20:00	343	218	2000	6.064	6.064		0.5881	6.19E-03	1691.4463	623.2482	2314.6945		
	8/5/2008 21:00	344	218	2100	7.349	7.349		0.3104	2.82E-03	770.2378	283.8100	1054.0477		
	8/5/2008 22:00	345	218	2200	7.73	7.73		0.2458	2.12E-03	577.9580	212.9605	790.9185		
	8/5/2008 23:00	346	218	2300	7.783	7.783		0.2373	2.03E-03	553.5009	203.9488	757.4497		
	8/6/2008 0:00	347	219	0	7.771	7.771	7.77	0.2392	2.05E-03	558.9918	205.9720	764.9638		
	8/6/2008 1:00	348	219	100	7.719	7.719		0.2476	2.13E-03	583.1011	214.8556	797.9566		
	8/6/2008 2:00	349	219	200	7.667	7.667		0.2560	2.22E-03	607.7298	223.9305	831.6603		
	8/6/2008 3:00	350	219	300	7.628	7.628		0.2625	2.29E-03	626.5479	230.8645	857.4124		
	8/6/2008 4:00	351	219	400	NAN	7.591		0.2686	2.36E-03	644.6799	237.5456	882.2254		
	8/6/2008 5:00	352	219	500	7.554	7.554		0.2748	2.43E-03	663.0871	244.3281	907.4152		
	8/6/2008 6:00	353	219	600	7.519	7.519		0.2808	2.49E-03	680.7561	250.8386	931.5946		
	8/6/2008 7:00	354	219	700	7.499	7.499		0.2842	2.53E-03	690.9660	254.6006	945.5666		
	8/6/2008 8:00	355	219	800	7.464	7.464		0.2902	2.59E-03	709.0340	261.2581	970.2921		
	8/6/2008 9:00	356	219	900	7.513	7.513		0.2818	2.50E-03	683.8103	251.9640	935.7743		
	8/6/2008 10:00	357	219	1000	6.331	6.331		0.5211	5.33E-03	1457.5242	537.0548	1994.5790		
	8/6/2008 11:00	358	219	1100	4.393	4.393		1.1921	1.48E-02	4036.9296	1487.4897	5524.4193		
	8/6/2008 12:00	359	219	1200	4.8	4.8		1.0063	1.20E-02	3276.6535	1207.3504	4484.0039		
	8/6/2008 13:00	360	219	1300	5.295	5.295		0.8187	9.30E-03	2541.8747	936.6060	3478.4808		
	8/6/2008 14:00	361	219	1400	NAN	5.295		0.8187	9.30E-03	2541.8747	936.6060	3478.4808		
	8/6/2008 15:00	362	219	1500	NAN	4.702		1.0481	1.26E-02	3445.0639	1269.4047	4714.4686		
	8/6/2008 16:00	363	219	1600	4.702	4.702		1.0481	1.26E-02	3445.0639	1269.4047	4714.4686		
	8/6/2008 17:00	364	219	1700	4.732	4.732		1.0351	1.24E-02	3392.5996	1250.0731	4642.6728		
	8/6/2008 18:00	365	219	1800	NAN	5.03		0.9145	1.07E-02	2912.8912	1073.3147	3986.2059		
	8/6/2008 19:00	366	219	1900	5.328	5.328		0.8074	9.15E-03	2498.8908	920.7677	3419.6585		
	8/6/2008 20:00	367	219	2000	5.701	5.701		0.6892	7.53E-03	2056.2931	757.6835	2813.9765		
	8/6/2008 21:00	368	219	2100	6.794	6.794		0.4174	4.06E-03	1109.2626	408.7306	1517.9933		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	7.516	7.516		0.2813	2.50E-03	682.2823	251.4009	933.6832		
	8/6/2008 23:00	370	219	2300	7.68	7.68		0.2539	2.20E-03	601.5234	221.6437	823.1670		
	8/7/2008 0:00	371	220	0	7.704	7.704	7.70	0.2500	2.16E-03	590.1518	217.4536	807.6053		
	8/7/2008 1:00	372	220	100	7.678	7.678		0.2542	2.20E-03	602.4761	221.9947	824.4708		
	8/7/2008 2:00	373	220	200	7.644	7.644		0.2598	2.26E-03	618.7914	228.0064	846.7978		
	8/7/2008 3:00	374	220	300	NAN	7.6035		0.2665	2.34E-03	638.5236	235.2772	873.8008		
	8/7/2008 4:00	375	220	400	7.563	7.563		0.2733	2.41E-03	658.5841	242.6689	901.2530		
	8/7/2008 5:00	376	220	500	7.53	7.53		0.2789	2.47E-03	675.1758	248.7824	923.9583		
	8/7/2008 6:00	377	220	600	7.498	7.498		0.2843	2.53E-03	691.4786	254.7895	946.2682		
	8/7/2008 7:00	378	220	700	7.473	7.473		0.2886	2.58E-03	704.3634	259.5372	963.9006		
	8/7/2008 8:00	379	220	800	7.446	7.446		0.2933	2.63E-03	718.4264	264.7190	983.1454		
	8/7/2008 9:00	380	220	900	7.468	7.468		0.2895	2.59E-03	706.9560	260.4925	967.4485		
	8/7/2008 10:00	381	220	1000	5.548	5.548		0.7358	8.16E-03	2228.7033	821.2116	3049.9149		
	8/7/2008 11:00	382	220	1100	4.307	4.307		1.2359	1.54E-02	4220.1599	1555.0047	5775.1646		
	8/7/2008 12:00	383	220	1200	4.359	4.359		1.2092	1.50E-02	4108.3235	1513.7963	5622.1197		
	8/7/2008 13:00	384	220	1300	4.438	4.438		1.1699	1.44E-02	3944.4731	1453.4222	5397.8953		
	8/7/2008 14:00	385	220	1400	4.522	4.522		1.1296	1.38E-02	3777.8481	1392.0258	5169.8739		
	8/7/2008 15:00	386	220	1500	4.611	4.611		1.0885	1.32E-02	3609.3378	1329.9348	4939.2726		
	8/7/2008 16:00	387	220	1600	NAN	4.676		1.0595	1.28E-02	3491.2013	1286.4049	4777.6062		
	8/7/2008 17:00	388	220	1700	4.741	4.741		1.0312	1.24E-02	3377.0191	1244.3321	4621.3512		
	8/7/2008 18:00	389	220	1800	4.936	4.936		0.9510	1.12E-02	3056.4992	1126.2300	4182.7292		
	8/7/2008 19:00	390	220	1900	5.236	5.236		0.8392	9.59E-03	2620.4250	965.5495	3585.9745		
	8/7/2008 20:00	391	220	2000	5.801	5.801		0.6601	7.14E-03	1949.8698	718.4696	2668.3395		
	8/7/2008 21:00	392	220	2100	6.837	6.837		0.4085	3.95E-03	1080.1731	398.0120	1478.1851		
	8/7/2008 22:00	393	220	2200	7.448	7.448		0.2930	2.63E-03	717.3794	264.3332	981.7126		
	8/7/2008 23:00	394	220	2300	7.674	7.674		0.2549	2.21E-03	604.3838	222.6976	827.0814		
	8/8/2008 0:00	395	221	0	7.757	7.757	7.76	0.2415	2.07E-03	565.4322	208.3451	773.7773		
	8/8/2008 1:00	396	221	100	7.756	7.756		0.2416	2.07E-03	565.8936	208.5151	774.4088		
	8/8/2008 2:00	397	221	200	NAN	7.7135		0.2485	2.14E-03	585.6813	215.8063	801.4876		
	8/8/2008 3:00	398	221	300	7.671	7.671		0.2554	2.22E-03	605.8166	223.2256	829.0422		
	8/8/2008 4:00	399	221	400	7.631	7.631		0.2620	2.29E-03	625.0897	230.3272	855.4169		
	8/8/2008 5:00	400	221	500	7.593	7.593		0.2683	2.36E-03	643.6928	237.1818	880.8746		
	8/8/2008 6:00	401	221	600	7.549	7.549		0.2757	2.44E-03	665.5959	245.2525	910.8483		
	8/8/2008 7:00	402	221	700	7.527	7.527		0.2794	2.48E-03	676.6953	249.3423	926.0375		
	8/8/2008 8:00	403	221	800	7.518	7.518		0.2809	2.49E-03	681.2646	251.0259	932.2905		
	8/8/2008 9:00	404	221	900	7.284	7.284		0.3221	2.95E-03	806.1130	297.0289	1103.1420		
	8/8/2008 10:00	405	221	1000	4.814	4.814		1.0004	1.19E-02	3253.2814	1198.7384	4452.0198		
	8/8/2008 11:00	406	221	1100	4.581	4.581		1.1022	1.34E-02	3665.2471	1350.5357	5015.7827		
	8/8/2008 12:00	407	221	1200	4.485	4.485		1.1472	1.41E-02	3850.3073	1418.7249	5269.0322		
	8/8/2008 13:00	408	221	1300	4.525	4.525		1.1282	1.38E-02	3772.0362	1389.8843	5161.9205		
	8/8/2008 14:00	409	221	1400	4.603	4.603		1.0921	1.33E-02	3624.1600	1335.3963	4959.5563		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	4.688	4.688		1.0542	1.27E-02	3469.8292	1278.5299	4748.3591		
	8/8/2008 16:00	411	221	1600	4.742	4.742		1.0308	1.24E-02	3375.2924	1243.6959	4618.9883		
	8/8/2008 17:00	412	221	1700	4.916	4.916		0.9589	1.13E-02	3087.9333	1137.8125	4225.7459		
	8/8/2008 18:00	413	221	1800	5.225	5.225		0.8431	9.64E-03	2635.3163	971.0365	3606.3528		
	8/8/2008 19:00	414	221	1900	5.225	5.225		0.8431	9.64E-03	2635.3163	971.0365	3606.3528		
	8/8/2008 20:00	415	221	2000	5.903	5.903		0.6314	6.76E-03	1846.0879	680.2291	2526.3170		
	8/8/2008 21:00	416	221	2100	NAN	6.609		0.4571	4.54E-03	1240.4464	457.0680	1697.5144		
	8/8/2008 22:00	417	221	2200	7.315	7.315		0.3165	2.89E-03	788.8855	290.6811	1079.5666		
	8/8/2008 23:00	418	221	2300	NAN	7.489		0.2859	2.55E-03	696.1021	256.4931	952.5952		
	8/9/2008 0:00	419	222	0	7.663	7.663	7.71	0.2567	2.23E-03	609.6461	224.6366	834.2827		
	8/9/2008 1:00	420	222	100	7.69	7.69		0.2523	2.18E-03	596.7716	219.8928	816.6644		
	8/9/2008 2:00	421	222	200	7.714	7.714		0.2484	2.14E-03	585.4465	215.7198	801.1663		
	8/9/2008 3:00	422	222	300	7.714	7.714		0.2484	2.14E-03	585.4465	215.7198	801.1663		
	8/9/2008 4:00	423	222	400	7.692	7.692		0.2520	2.18E-03	595.8236	219.5435	815.3671		
	8/9/2008 5:00	424	222	500	7.634	7.634		0.2615	2.28E-03	623.6333	229.7905	853.4238		
	8/9/2008 6:00	425	222	600	7.588	7.588		0.2691	2.36E-03	646.1620	238.0917	884.2537		
	8/9/2008 7:00	426	222	700	7.421	7.421		0.2977	2.68E-03	731.5857	269.5678	1001.1536		
	8/9/2008 8:00	427	222	800	6.991	6.991		0.3775	3.59E-03	980.0846	361.1323	1341.2169		
	8/9/2008 9:00	428	222	900	7.095	7.095		0.3573	3.35E-03	915.9548	337.5024	1253.4572		
	8/9/2008 10:00	429	222	1000	7.19	7.19		0.3394	3.15E-03	859.6926	316.7714	1176.4640		
	8/9/2008 11:00	430	222	1100	6.659	6.659		0.4462	4.41E-03	1203.9993	443.6383	1647.6376		
	8/9/2008 12:00	431	222	1200	5.637	5.637		0.7084	7.78E-03	2126.9578	783.7214	2910.6792		
	8/9/2008 13:00	432	222	1300	5.21	5.21		0.8484	9.72E-03	2655.7497	978.5656	3634.3153		
	8/9/2008 14:00	433	222	1400	4.692	4.692		1.0524	1.27E-02	3462.7349	1275.9159	4738.6508		
	8/9/2008 15:00	434	222	1500	4.675	4.675		1.0599	1.28E-02	3492.9884	1287.0634	4780.0518		
	8/9/2008 16:00	435	222	1600	4.86	4.86		0.9815	1.16E-02	3177.6528	1170.8715	4348.5243		
	8/9/2008 17:00	436	222	1700	5.068	5.068		0.9002	1.05E-02	2856.7080	1052.6128	3909.3208		
	8/9/2008 18:00	437	222	1800	5.16	5.16		0.8663	9.97E-03	2724.9362	1004.0588	3728.9950		
	8/9/2008 19:00	438	222	1900	5.433	5.433		0.7725	8.66E-03	2366.4839	871.9797	3238.4636		
	8/9/2008 20:00	439	222	2000	6.027	6.027		0.5978	6.32E-03	1726.0314	635.9918	2362.0232		
	8/9/2008 21:00	440	222	2100	7.135	7.135		0.3497	3.26E-03	892.0012	328.6762	1220.6773		
	8/9/2008 22:00	441	222	2200	7.646	7.646		0.2595	2.26E-03	617.8254	227.6505	845.4758		
	8/9/2008 23:00	442	222	2300	7.713	7.713		0.2485	2.14E-03	585.9161	215.8929	801.8090		
	8/10/2008 0:00	443	223	0	7.694	7.694	7.69	0.2516	2.18E-03	594.8764	219.1944	814.0708		
	8/10/2008 1:00	444	223	100	7.655	7.655		0.2580	2.25E-03	613.4881	226.0523	839.5404		
	8/10/2008 2:00	445	223	200	7.614	7.614		0.2648	2.32E-03	633.3765	233.3806	866.7571		
	8/10/2008 3:00	446	223	300	7.575	7.575		0.2713	2.39E-03	652.6057	240.4660	893.0718		
	8/10/2008 4:00	447	223	400	NAN	7.535		0.2780	2.46E-03	672.6476	247.8509	920.4985		
	8/10/2008 5:00	448	223	500	7.495	7.495		0.2849	2.54E-03	693.0179	255.3567	948.3746		
	8/10/2008 6:00	449	223	600	7.459	7.459		0.2911	2.60E-03	711.6361	262.2170	973.8531		
	8/10/2008 7:00	450	223	700	7.441	7.441		0.2942	2.64E-03	721.0476	265.6848	986.7325		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	7.412	7.412		0.2992	2.69E-03	736.3558	271.3255	1007.6813		
	8/10/2008 9:00	452	223	900	7.466	7.466		0.2898	2.59E-03	707.9946	260.8752	968.8698		
	8/10/2008 10:00	453	223	1000	5.888	5.888		0.6355	6.81E-03	1861.0582	685.7452	2546.8034		
	8/10/2008 11:00	454	223	1100	NAN	5.172		0.8619	9.91E-03	2708.1789	997.8842	3706.0631		
	8/10/2008 12:00	455	223	1200	4.456	4.456		1.1611	1.43E-02	3908.1243	1440.0288	5348.1531		
	8/10/2008 13:00	456	223	1300	4.519	4.519		1.1310	1.38E-02	3783.6694	1394.1708	5177.8402		
	8/10/2008 14:00	457	223	1400	4.55	4.55		1.1165	1.36E-02	3723.9665	1372.1720	5096.1385		
	8/10/2008 15:00	458	223	1500	4.777	4.777		1.0159	1.21E-02	3315.4168	1221.6335	4537.0503		
	8/10/2008 16:00	459	223	1600	4.724	4.724		1.0385	1.25E-02	3406.5102	1255.1988	4661.7090		
	8/10/2008 17:00	460	223	1700	4.991	4.991		0.9295	1.09E-02	2971.6596	1094.9691	4066.6288		
	8/10/2008 18:00	461	223	1800	6.846	6.846		0.4067	3.93E-03	1074.1491	395.7923	1469.9414		
	8/10/2008 19:00	462	223	1900	7.432	7.432		0.2957	2.66E-03	725.7792	267.4283	993.2075		
	8/10/2008 20:00	463	223	2000	7.521	7.521		0.2804	2.49E-03	679.7396	250.4640	930.2037		
	8/10/2008 21:00	464	223	2100	7.601	7.601		0.2669	2.34E-03	639.7524	235.7299	875.4823		
	8/10/2008 22:00	465	223	2200	7.621	7.621		0.2636	2.31E-03	629.9573	232.1207	862.0781		
	8/10/2008 23:00	466	223	2300	7.588	7.588		0.2691	2.36E-03	646.1620	238.0917	884.2537		
	8/11/2008 0:00	467	224	0	7.571	7.571	7.69	0.2720	2.40E-03	654.5953	241.1991	895.7944		
	8/11/2008 1:00	468	224	100	7.616	7.616		0.2644	2.31E-03	632.3986	233.0203	865.4189		
	8/11/2008 2:00	469	224	200	7.654	7.654		0.2582	2.25E-03	613.9692	226.2296	840.1988		
	8/11/2008 3:00	470	224	300	7.664	7.664		0.2565	2.23E-03	609.1667	224.4600	833.6267		
	8/11/2008 4:00	471	224	400	7.669	7.669		0.2557	2.22E-03	606.7728	223.5779	830.3507		
	8/11/2008 5:00	472	224	500	7.675	7.675		0.2547	2.21E-03	603.9065	222.5218	826.4283		
	8/11/2008 6:00	473	224	600	7.688	7.688		0.2526	2.19E-03	597.7204	220.2424	817.9628		
	8/11/2008 7:00	474	224	700	7.681	7.681		0.2537	2.20E-03	601.0473	221.4682	822.5156		
	8/11/2008 8:00	475	224	800	7.663	7.663		0.2567	2.23E-03	609.6461	224.6366	834.2827		
	8/11/2008 9:00	476	224	900	7.4	7.4		0.3014	2.72E-03	742.7431	273.6790	1016.4220		
	8/11/2008 10:00	477	224	1000	5.815	5.815		0.6561	7.08E-03	1935.3461	713.1181	2648.4642		
	8/11/2008 11:00	478	224	1100	NAN	5.2185		0.8454	9.68E-03	2644.1527	974.2925	3618.4452		
	8/11/2008 12:00	479	224	1200	4.622	4.622		1.0835	1.31E-02	3589.0597	1322.4629	4911.5226		
	8/11/2008 13:00	480	224	1300	4.931	4.931		0.9530	1.12E-02	3064.3282	1129.1147	4193.4429		
	8/11/2008 14:00	481	224	1400	4.725	4.725		1.0381	1.25E-02	3404.7682	1254.5569	4659.3251		
	8/11/2008 15:00	482	224	1500	4.758	4.758		1.0240	1.23E-02	3347.7864	1233.5608	4581.3472		
	8/11/2008 16:00	483	224	1600	5.087	5.087		0.8931	1.04E-02	2829.0073	1042.4059	3871.4133		
	8/11/2008 17:00	484	224	1700	5.099	5.099		0.8886	1.03E-02	2811.6445	1036.0082	3847.6527		
	8/11/2008 18:00	485	224	1800	NAN	5.2925		0.8196	9.31E-03	2545.1586	937.8160	3482.9746		
	8/11/2008 19:00	486	224	1900	5.486	5.486		0.7554	8.42E-03	2302.0745	848.2467	3150.3212		
	8/11/2008 20:00	487	224	2000	6.087	6.087		0.5821	6.11E-03	1670.2250	615.4288	2285.6538		
	8/11/2008 21:00	488	224	2100	6.841	6.841		0.4077	3.94E-03	1077.4930	397.0245	1474.5175		
	8/11/2008 22:00	489	224	2200	7.356	7.356		0.3091	2.80E-03	766.4303	282.4070	1048.8373		
	8/11/2008 23:00	490	224	2300	7.566	7.566		0.2728	2.40E-03	657.0868	242.1171	899.2039		
	8/12/2008 0:00	491	225	0	7.647	7.647	7.65	0.2593	2.26E-03	617.3427	227.4726	844.8153		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	7.641	7.641		0.2603	2.27E-03	620.2419	228.5409	848.7828		
	8/12/2008 2:00	493	225	200	7.382	7.382		0.3045	2.75E-03	752.3823	277.2307	1029.6130		
	8/12/2008 3:00	494	225	300	7.459	7.459		0.2911	2.60E-03	711.6361	262.2170	973.8531		
	8/12/2008 4:00	495	225	400	7.444	7.444		0.2937	2.63E-03	719.4743	265.1051	984.5794		
	8/12/2008 5:00	496	225	500	7.417	7.417		0.2984	2.69E-03	733.7036	270.3482	1004.0518		
	8/12/2008 6:00	497	225	600	7.404	7.404		0.3006	2.71E-03	740.6105	272.8932	1013.5037		
	8/12/2008 7:00	498	225	700	7.396	7.396		0.3021	2.73E-03	744.8790	274.4660	1019.3450		
	8/12/2008 8:00	499	225	800	7.393	7.393		0.3026	2.73E-03	746.4833	275.0571	1021.5404		
	8/12/2008 9:00	500	225	900	7.396	7.396		0.3021	2.73E-03	744.8790	274.4660	1019.3450		
	8/12/2008 10:00	501	225	1000	6.059	6.059		0.5894	6.21E-03	1696.0877	624.9584	2321.0461		
	8/12/2008 11:00	502	225	1100	4.631	4.631		1.0795	1.31E-02	3572.5560	1316.3817	4888.9378		
	8/12/2008 12:00	503	225	1200	4.555	4.555		1.1142	1.36E-02	3714.4297	1368.6580	5083.0877		
	8/12/2008 13:00	504	225	1300	4.54	4.54		1.1211	1.37E-02	3743.1170	1379.2284	5122.3454		
	8/12/2008 14:00	505	225	1400	4.567	4.567		1.1086	1.35E-02	3691.6451	1360.2626	5051.9077		
	8/12/2008 15:00	506	225	1500	4.615	4.615		1.0867	1.32E-02	3601.9503	1327.2127	4929.1630		
	8/12/2008 16:00	507	225	1600	4.691	4.691		1.0529	1.27E-02	3464.5071	1276.5689	4741.0760		
	8/12/2008 17:00	508	225	1700	4.8	4.8		1.0063	1.20E-02	3276.6535	1207.3504	4484.0039		
	8/12/2008 18:00	509	225	1800	4.984	4.984		0.9322	1.09E-02	2982.3287	1098.9003	4081.2290		
	8/12/2008 19:00	510	225	1900	5.235	5.235		0.8395	9.59E-03	2621.7755	966.0471	3587.8226		
	8/12/2008 20:00	511	225	2000	5.814	5.814		0.6563	7.09E-03	1936.3805	713.4992	2649.8797		
	8/12/2008 21:00	512	225	2100	6.99	6.99		0.3777	3.59E-03	980.7145	361.3644	1342.0789		
	8/12/2008 22:00	513	225	2200	7.531	7.531		0.2787	2.47E-03	674.6698	248.5960	923.2658		
	8/12/2008 23:00	514	225	2300	7.615	7.615		0.2646	2.32E-03	632.8875	233.2004	866.0879		
	8/13/2008 0:00	515	226	0	7.58	7.58	7.62	0.2704	2.38E-03	650.1234	239.5513	889.6747		
	8/13/2008 1:00	516	226	100	7.547	7.547		0.2760	2.44E-03	666.6008	245.6228	912.2236		
	8/13/2008 2:00	517	226	200	7.572	7.572		0.2718	2.39E-03	654.0976	241.0157	895.1133		
	8/13/2008 3:00	518	226	300	7.595	7.595		0.2679	2.35E-03	642.7065	236.8184	879.5249		
	8/13/2008 4:00	519	226	400	7.59	7.59		0.2688	2.36E-03	645.1737	237.7275	882.9013		
	8/13/2008 5:00	520	226	500	7.622	7.622		0.2634	2.30E-03	629.4697	231.9411	861.4107		
	8/13/2008 6:00	521	226	600	7.568	7.568		0.2725	2.40E-03	656.0896	241.7497	897.8393		
	8/13/2008 7:00	522	226	700	7.518	7.518		0.2809	2.49E-03	681.2646	251.0259	932.2905		
	8/13/2008 8:00	523	226	800	7.527	7.527		0.2794	2.48E-03	676.6953	249.3423	926.0375		
	8/13/2008 9:00	524	226	900	7.099	7.099		0.3565	3.34E-03	913.5419	336.6133	1250.1552		
	8/13/2008 10:00	525	226	1000	4.831	4.831		0.9934	1.18E-02	3225.1249	1188.3636	4413.4886		
	8/13/2008 11:00	526	226	1100	4.749	4.749		1.0278	1.23E-02	3363.2305	1239.2515	4602.4820		
	8/13/2008 12:00	527	226	1200	4.427	4.427		1.1753	1.45E-02	3966.8630	1461.6723	5428.5353		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.093	5.093	9.56	0.8771	1.01E-02	753.1672	277.5200	1030.6872		
W609EC2	7/22/2008 14:00	1	204	1400	5.599	5.599		0.7074	7.77E-03	578.0696	213.0016	791.0713		
	7/22/2008 15:00	2	204	1500	5.55	5.55		0.7225	7.98E-03	593.2701	218.6026	811.8726		
Probe #	7/22/2008 16:00	3	204	1600	5.521	5.521		0.7316	8.10E-03	602.4287	221.9772	824.4059		
	7/22/2008 17:00	4	204	1700	5.555	5.555		0.7210	7.96E-03	591.7033	218.0253	809.7286		
3	7/22/2008 18:00	5	204	1800	5.635	5.635		0.6965	7.62E-03	567.1169	208.9659	776.0828		
	7/22/2008 19:00	6	204	1900	5.782	5.782		0.6534	7.05E-03	524.2009	193.1526	717.3534		
	7/22/2008 20:00	7	204	2000	6.242	6.242		0.5316	5.47E-03	406.5946	149.8182	556.4128		
	7/22/2008 21:00	8	204	2100	7.865	7.865		0.2155	1.80E-03	133.8163	49.3074	183.1237		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.18	9.18		0.0414	2.36E-04	17.5574	6.4694	24.0268		
	7/22/2008 23:00	10	204	2300	9.56	9.56		0.0000	0.00E+00	0.0000	0.0000	0.0000		
6.4	7/23/2008 0:00	11	205	0	9.85	9.85	10.01	-0.0294	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.95	9.95		-0.0392	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.97	9.97		-0.0411	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	10.01	10.01		-0.0450	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.98	9.98		-0.0421	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.92	9.92		-0.0363	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.81	9.81		-0.0255	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.51	9.51		0.0053	1.86E-05	1.3845	0.5102	1.8947		
	7/23/2008 8:00	19	205	800	8.67	8.67		0.1027	7.22E-04	53.7037	19.7882	73.4919		
	7/23/2008 9:00	20	205	900	7.259	7.259		0.3170	2.89E-03	215.1723	79.2847	294.4570		
	7/23/2008 10:00	21	205	1000	5.928	5.928		0.6127	6.51E-03	484.2793	178.4427	662.7220		
	7/23/2008 11:00	22	205	1100	5.993	5.993		0.5952	6.28E-03	467.3168	172.1925	639.5093		
	7/23/2008 12:00	23	205	1200	5.918	5.918		0.6154	6.55E-03	486.9322	179.4202	666.3524		
	7/23/2008 13:00	24	205	1300	5.81	5.81		0.6454	6.94E-03	516.3427	190.2571	706.5998		
	7/23/2008 14:00	25	205	1400	5.812	5.812		0.6449	6.93E-03	515.7852	190.0517	705.8368		
	7/23/2008 15:00	26	205	1500	5.811	5.811		0.6452	6.94E-03	516.0639	190.1544	706.2182		
	7/23/2008 16:00	27	205	1600	5.985	5.985		0.5973	6.31E-03	469.3785	172.9522	642.3307		
	7/23/2008 17:00	28	205	1700	6.431	6.431		0.4865	4.90E-03	364.6362	134.3577	498.9939		
	7/23/2008 18:00	29	205	1800	7.164	7.164		0.3345	3.09E-03	229.8572	84.6956	314.5528		
	7/23/2008 19:00	30	205	1900	7.102	7.102		0.3461	3.22E-03	239.7525	88.3417	328.0942		
	7/23/2008 20:00	31	205	2000	7.557	7.557		0.2651	2.32E-03	172.6345	63.6107	236.2452		
	7/23/2008 21:00	32	205	2100	8.47	8.47		0.1287	9.54E-04	70.9339	26.1371	97.0710		
	7/23/2008 22:00	33	205	2200	9.06	9.06		0.0552	3.36E-04	25.0158	9.2176	34.2333		
	7/23/2008 23:00	34	205	2300	9.17	9.17		0.0425	2.44E-04	18.1522	6.6886	24.8408		
	7/24/2008 0:00	35	206	0	9.2	9.2	9.66	0.0391	2.20E-04	16.3829	6.0366	22.4196		
	7/24/2008 1:00	36	206	100	9.29	9.29		0.0291	1.53E-04	11.3602	4.1859	15.5462		
	7/24/2008 2:00	37	206	200	9.37	9.37		0.0203	9.81E-05	7.2936	2.6875	9.9810		
	7/24/2008 3:00	38	206	300	9.48	9.48		0.0084	3.33E-05	2.4789	0.9134	3.3923		
	7/24/2008 4:00	39	206	400	9.55	9.55		0.0010	2.55E-06	0.1899	0.0700	0.2599		
	7/24/2008 5:00	40	206	500	9.61	9.61		-0.0052	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.64	9.64		-0.0083	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.66	9.66		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.53	9.53		0.0031	9.90E-06	0.7363	0.2713	1.0077		
	7/24/2008 9:00	44	206	900	9.17	9.17		0.0425	2.44E-04	18.1522	6.6886	24.8408		
	7/24/2008 10:00	45	206	1000	9.13	9.13		0.0471	2.77E-04	20.5810	7.5835	28.1645		
	7/24/2008 11:00	46	206	1100	7.082	7.082		0.3499	3.27E-03	242.9982	89.5377	332.5360		
	7/24/2008 12:00	47	206	1200	5.974	5.974		0.6003	6.35E-03	472.2252	174.0011	646.2263		
	7/24/2008 13:00	48	206	1300	6.558	6.558		0.4578	4.55E-03	338.2621	124.6396	462.9017		
	7/24/2008 14:00	49	206	1400	6.354	6.354		0.5046	5.13E-03	381.3259	140.5074	521.8333		
	7/24/2008 15:00	50	206	1500	5.952	5.952		0.6062	6.43E-03	477.9599	176.1141	654.0740		
	7/24/2008 16:00	51	206	1600	5.936	5.936		0.6105	6.48E-03	482.1654	177.6638	659.8292		
	7/24/2008 17:00	52	206	1700	6.145	6.145		0.5557	5.77E-03	429.4770	158.2496	587.7266		
	7/24/2008 18:00	53	206	1800	6.074	6.074		0.5739	6.01E-03	446.8419	164.6481	611.4900		
	7/24/2008 19:00	54	206	1900	6.392	6.392		0.4956	5.02E-03	373.0217	137.4475	510.4692		
	7/24/2008 20:00	55	206	2000	7.443	7.443		0.2844	2.53E-03	188.2985	69.3825	257.6810		
	7/24/2008 21:00	56	206	2100	8.75	8.75		0.0926	6.36E-04	47.2868	17.4238	64.7105		
	7/24/2008 22:00	57	206	2200	9.51	9.51		0.0053	1.86E-05	1.3845	0.5102	1.8947		
	7/24/2008 23:00	58	206	2300	9.62	9.62		-0.0062	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.6	9.6	9.60	-0.0042	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.5	9.5		0.0063	2.33E-05	1.7351	0.6393	2.3745		
	7/25/2008 2:00	61	207	200	9.4	9.4		0.0170	7.90E-05	5.8797	2.1665	8.0462		
	7/25/2008 3:00	62	207	300	9.32	9.32		0.0258	1.32E-04	9.7880	3.6066	13.3946		
	7/25/2008 4:00	63	207	400	9.27	9.27		0.0313	1.67E-04	12.4378	4.5830	17.0207		
	7/25/2008 5:00	64	207	500	9.28	9.28		0.0302	1.60E-04	11.8961	4.3834	16.2795		
	7/25/2008 6:00	65	207	600	9.31	9.31		0.0269	1.39E-04	10.3061	3.7975	14.1036		
	7/25/2008 7:00	66	207	700	9.27	9.27		0.0313	1.67E-04	12.4378	4.5830	17.0207		
	7/25/2008 8:00	67	207	800	9.21	9.21		0.0380	2.12E-04	15.8034	5.8231	21.6265		
	7/25/2008 9:00	68	207	900	9.11	9.11		0.0494	2.93E-04	21.8245	8.0417	29.8662		
	7/25/2008 10:00	69	207	1000	9.03	9.03		0.0587	3.63E-04	26.9860	9.9435	36.9295		
	7/25/2008 11:00	70	207	1100	8.28	8.28		0.1546	1.20E-03	88.8969	32.7559	121.6528		
	7/25/2008 12:00	71	207	1200	6.846	6.846		0.3964	3.81E-03	283.3722	104.4143	387.7866		
	7/25/2008 13:00	72	207	1300	6.219	6.219		0.5372	5.54E-03	411.9346	151.7858	563.7204		
	7/25/2008 14:00	73	207	1400	5.761	5.761		0.6594	7.13E-03	530.1593	195.3481	725.5074		
	7/25/2008 15:00	74	207	1500	5.88	5.88		0.6259	6.68E-03	497.1204	183.1742	680.2946		
	7/25/2008 16:00	75	207	1600	6.057	6.057		0.5783	6.06E-03	451.0795	166.2095	617.2891		
	7/25/2008 17:00	76	207	1700	5.879	5.879		0.6261	6.69E-03	497.3908	183.2739	680.6647		
	7/25/2008 18:00	77	207	1800	5.989	5.989		0.5963	6.30E-03	468.3468	172.5720	640.9188		
	7/25/2008 19:00	78	207	1900	6.073	6.073		0.5742	6.01E-03	447.0903	164.7396	611.8300		
	7/25/2008 20:00	79	207	2000	6.949	6.949		0.3757	3.57E-03	265.2707	97.7444	363.0151		
	7/25/2008 21:00	80	207	2100	8.46	8.46		0.1300	9.66E-04	71.8403	26.4710	98.3113		
	7/25/2008 22:00	81	207	2200	9.46	9.46		0.0106	4.40E-05	3.2710	1.2053	4.4763		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.6	9.6		-0.0042	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.61	9.61	9.61	-0.0052	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.61	9.61		-0.0052	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.59	9.59		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.57	9.57		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.56	9.56		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.53	9.53		0.0031	9.90E-06	0.7363	0.2713	1.0077		
	7/26/2008 6:00	89	208	600	9.49	9.49		0.0074	2.82E-05	2.1004	0.7739	2.8744		
	7/26/2008 7:00	90	208	700	9.46	9.46		0.0106	4.40E-05	3.2710	1.2053	4.4763		
	7/26/2008 8:00	91	208	800	9.44	9.44		0.0127	5.52E-05	4.1048	1.5125	5.6172		
	7/26/2008 9:00	92	208	900	8.82	8.82		0.0839	5.63E-04	41.8947	15.4370	57.3316		
	7/26/2008 10:00	93	208	1000	6.438	6.438		0.4849	4.88E-03	363.1456	133.8085	496.9541		
	7/26/2008 11:00	94	208	1100	6.636	6.636		0.4406	4.34E-03	322.7437	118.9216	441.6653		
	7/26/2008 12:00	95	208	1200	6.992	6.992		0.3673	3.47E-03	257.9369	95.0422	352.9791		
	7/26/2008 13:00	96	208	1300	6.221	6.221		0.5367	5.53E-03	411.4682	151.6139	563.0821		
	7/26/2008 14:00	97	208	1400	6.096	6.096		0.5682	5.93E-03	441.4042	162.6444	604.0486		
	7/26/2008 15:00	98	208	1500	6.022	6.022		0.5875	6.18E-03	459.9032	169.4608	629.3640		
	7/26/2008 16:00	99	208	1600	6.058	6.058		0.5781	6.06E-03	450.8294	166.1174	616.9468		
	7/26/2008 17:00	100	208	1700	5.832	5.832		0.6392	6.86E-03	510.2369	188.0073	698.2442		
	7/26/2008 18:00	101	208	1800	6.068	6.068		0.5755	6.03E-03	448.3340	165.1979	613.5319		
	7/26/2008 19:00	102	208	1900	6.14	6.14		0.5570	5.79E-03	430.6825	158.6938	589.3764		
	7/26/2008 20:00	103	208	2000	6.677	6.677		0.4318	4.23E-03	314.7860	115.9894	430.7754		
	7/26/2008 21:00	104	208	2100	8.23	8.23		0.1616	1.26E-03	93.8881	34.5950	128.4831		
	7/26/2008 22:00	105	208	2200	9.16	9.16		0.0437	2.52E-04	18.7521	6.9096	25.6616		
	7/26/2008 23:00	106	208	2300	9.34	9.34		0.0236	1.18E-04	8.7706	3.2317	12.0024		
	7/27/2008 0:00	107	209	0	9.36	9.36	9.36	0.0214	1.05E-04	7.7792	2.8664	10.6456		
	7/27/2008 1:00	108	209	100	9.35	9.35		0.0225	1.11E-04	8.2716	3.0478	11.3194		
	7/27/2008 2:00	109	209	200	9.33	9.33		0.0247	1.25E-04	9.2762	3.4180	12.6942		
	7/27/2008 3:00	110	209	300	9.32	9.32		0.0258	1.32E-04	9.7880	3.6066	13.3946		
	7/27/2008 4:00	111	209	400	9.3	9.3		0.0280	1.46E-04	10.8302	3.9906	14.8208		
	7/27/2008 5:00	112	209	500	9.24	9.24		0.0346	1.90E-04	14.0963	5.1941	19.2903		
	7/27/2008 6:00	113	209	600	9.16	9.16		0.0437	2.52E-04	18.7521	6.9096	25.6616		
	7/27/2008 7:00	114	209	700	9.08	9.08		0.0529	3.19E-04	23.7252	8.7421	32.4673		
	7/27/2008 8:00	115	209	800	8.99	8.99		0.0634	3.99E-04	29.6763	10.9349	40.6112		
	7/27/2008 9:00	116	209	900	6.997	6.997		0.3663	3.46E-03	257.0925	94.7310	351.8235		
	7/27/2008 10:00	117	209	1000	5.366	5.366		0.7816	8.79E-03	653.5247	240.8046	894.3293		
	7/27/2008 11:00	118	209	1100	5.673	5.673		0.6852	7.47E-03	555.7486	204.7770	760.5255		
	7/27/2008 12:00	119	209	1200	5.608	5.608		0.7047	7.73E-03	575.3146	211.9865	787.3011		
	7/27/2008 13:00	120	209	1300	5.619	5.619		0.7014	7.69E-03	571.9626	210.7514	782.7140		
	7/27/2008 14:00	121	209	1400	5.515	5.515		0.7335	8.12E-03	604.3389	222.6811	827.0200		
	7/27/2008 15:00	122	209	1500	5.589	5.589		0.7105	7.81E-03	581.1441	214.1345	795.2786		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.6	5.6		0.7071	7.77E-03	577.7630	212.8886	790.6516		
	7/27/2008 17:00	124	209	1700	5.616	5.616		0.7023	7.70E-03	572.8751	211.0876	783.9627		
	7/27/2008 18:00	125	209	1800	5.779	5.779		0.6543	7.06E-03	525.0486	193.4650	718.5136		
	7/27/2008 19:00	126	209	1900	5.926	5.926		0.6132	6.52E-03	484.8090	178.6378	663.4468		
	7/27/2008 20:00	127	209	2000	6.421	6.421		0.4889	4.93E-03	366.7732	135.1451	501.9183		
	7/27/2008 21:00	128	209	2100	7.823	7.823		0.2220	1.87E-03	138.8217	51.1517	189.9734		
	7/27/2008 22:00	129	209	2200	8.82	8.82		0.0839	5.63E-04	41.8947	15.4370	57.3316		
	7/27/2008 23:00	130	209	2300	8.96	8.96		0.0670	4.27E-04	31.7409	11.6956	43.4365		
	7/28/2008 0:00	131	210	0	9.04	9.04	9.16	0.0575	3.54E-04	26.3247	9.6999	36.0246		
	7/28/2008 1:00	132	210	100	9.16	9.16		0.0437	2.52E-04	18.7521	6.9096	25.6616		
	7/28/2008 2:00	133	210	200	9.16	9.16		0.0437	2.52E-04	18.7521	6.9096	25.6616		
	7/28/2008 3:00	134	210	300	8.86	8.86		0.0790	5.23E-04	38.9073	14.3362	53.2435		
	7/28/2008 4:00	135	210	400	8.69	8.69		0.1001	7.00E-04	52.0740	19.1877	71.2618		
	7/28/2008 5:00	136	210	500	8.56	8.56		0.1168	8.47E-04	62.9696	23.2025	86.1721		
	7/28/2008 6:00	137	210	600	8.45	8.45		0.1314	9.78E-04	72.7509	26.8066	99.5575		
	7/28/2008 7:00	138	210	700	8.32	8.32		0.1490	1.14E-03	84.9839	31.3141	116.2980		
	7/28/2008 8:00	139	210	800	6.818	6.818		0.4022	3.88E-03	288.4268	106.2768	394.7036		
	7/28/2008 9:00	140	210	900	5.14	5.14		0.8599	9.88E-03	735.0648	270.8497	1005.9145		
	7/28/2008 10:00	141	210	1000	4.906	4.906		0.9486	1.12E-02	829.4974	305.6454	1135.1428		
	7/28/2008 11:00	142	210	1100	5.157	5.157		0.8538	9.80E-03	728.6184	268.4744	997.0929		
	7/28/2008 12:00	143	210	1200	5.303	5.303		0.8028	9.08E-03	675.3779	248.8569	924.2348		
	7/28/2008 13:00	144	210	1300	5.339	5.339		0.7906	8.91E-03	662.8107	244.2262	907.0370		
	7/28/2008 14:00	145	210	1400	5.422	5.422		0.7632	8.53E-03	634.6366	233.8449	868.4815		
	7/28/2008 15:00	146	210	1500	5.408	5.408		0.7678	8.60E-03	639.3122	235.5677	874.8800		
	7/28/2008 16:00	147	210	1600	5.491	5.491		0.7410	8.23E-03	612.0329	225.5161	837.5491		
	7/28/2008 17:00	148	210	1700	5.501	5.501		0.7379	8.19E-03	608.8167	224.3310	833.1478		
	7/28/2008 18:00	149	210	1800	5.695	5.695		0.6787	7.38E-03	549.2558	202.3846	751.6404		
	7/28/2008 19:00	150	210	1900	5.921	5.921		0.6146	6.54E-03	486.1351	179.1265	665.2616		
	7/28/2008 20:00	151	210	2000	6.658	6.658		0.4359	4.28E-03	318.4569	117.3420	435.7989		
	7/28/2008 21:00	152	210	2100	8.26	8.26		0.1574	1.22E-03	90.8800	33.4866	124.3666		
	7/28/2008 22:00	153	210	2200	8.71	8.71		0.0976	6.78E-04	50.4613	18.5935	69.0549		
	7/28/2008 23:00	154	210	2300	8.89	8.89		0.0754	4.94E-04	36.7119	13.5272	50.2391		
	7/29/2008 0:00	155	211	0	9.14	9.14	9.18	0.0460	2.68E-04	19.9665	7.3571	27.3235		
	7/29/2008 1:00	156	211	100	9.18	9.18		0.0414	2.36E-04	17.5574	6.4694	24.0268		
	7/29/2008 2:00	157	211	200	9.13	9.13		0.0471	2.77E-04	20.5810	7.5835	28.1645		
	7/29/2008 3:00	158	211	300	9.09	9.09		0.0517	3.10E-04	23.0870	8.5069	31.5938		
	7/29/2008 4:00	159	211	400	8.98	8.98		0.0646	4.08E-04	30.3601	11.1868	41.5469		
	7/29/2008 5:00	160	211	500	8.61	8.61		0.1103	7.89E-04	58.6942	21.6271	80.3213		
	7/29/2008 6:00	161	211	600	8.41	8.41		0.1367	1.03E-03	76.4366	28.1646	104.6013		
	7/29/2008 7:00	162	211	700	8.28	8.28		0.1546	1.20E-03	88.8969	32.7559	121.6528		
	7/29/2008 8:00	163	211	800	7.758	7.758		0.2323	1.97E-03	146.7434	54.0706	200.8140		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.964	5.964		0.6030	6.38E-03	474.8250	174.9590	649.7840		
	7/29/2008 10:00	165	211	1000	5.047	5.047		0.8942	1.04E-02	771.2927	284.1987	1055.4913		
	7/29/2008 11:00	166	211	1100	5.557	5.557		0.7204	7.95E-03	591.0776	217.7947	808.8723		
	7/29/2008 12:00	167	211	1200	5.036	5.036		0.8983	1.04E-02	775.6882	285.8183	1061.5064		
	7/29/2008 13:00	168	211	1300	5.237	5.237		0.8255	9.40E-03	698.9842	257.5551	956.5393		
	7/29/2008 14:00	169	211	1400	5.202	5.202		0.8378	9.57E-03	711.8086	262.2805	974.0892		
	7/29/2008 15:00	170	211	1500	5.547	5.547		0.7235	7.99E-03	594.2119	218.9496	813.1614		
	7/29/2008 16:00	171	211	1600	5.745	5.745		0.6641	7.19E-03	534.7369	197.0348	731.7717		
	7/29/2008 17:00	172	211	1700	6.003	6.003		0.5925	6.25E-03	464.7498	171.2466	635.9964		
	7/29/2008 18:00	173	211	1800	6.006	6.006		0.5917	6.24E-03	463.9819	170.9637	634.9455		
	7/29/2008 19:00	174	211	1900	6.142	6.142		0.5565	5.78E-03	430.2000	158.5160	588.7160		
	7/29/2008 20:00	175	211	2000	7.132	7.132		0.3404	3.16E-03	234.9332	86.5660	321.4991		
	7/29/2008 21:00	176	211	2100	8.49	8.49		0.1260	9.29E-04	69.1341	25.4739	94.6080		
	7/29/2008 22:00	177	211	2200	8.66	8.66		0.1039	7.33E-04	54.5248	20.0908	74.6156		
	7/29/2008 23:00	178	211	2300	8.44	8.44		0.1327	9.90E-04	73.6659	27.1437	100.8096		
	7/30/2008 0:00	179	212	0	8.37	8.37	8.87	0.1422	1.08E-03	80.1917	29.5483	109.7400		
	7/30/2008 1:00	180	212	100	8.35	8.35		0.1449	1.10E-03	82.0955	30.2498	112.3452		
	7/30/2008 2:00	181	212	200	8.26	8.26		0.1574	1.22E-03	90.8800	33.4866	124.3666		
	7/30/2008 3:00	182	212	300	8.19	8.19		0.1673	1.32E-03	97.9618	36.0961	134.0579		
	7/30/2008 4:00	183	212	400	8.11	8.11		0.1788	1.43E-03	106.3275	39.1786	145.5061		
	7/30/2008 5:00	184	212	500	8.15	8.15		0.1730	1.37E-03	102.1081	37.6238	139.7319		
	7/30/2008 6:00	185	212	600	8.07	8.07		0.1846	1.49E-03	110.6209	40.7606	151.3815		
	7/30/2008 7:00	186	212	700	7.949	7.949		0.2027	1.67E-03	124.0670	45.7150	169.7820		
	7/30/2008 8:00	187	212	800	7.913	7.913		0.2081	1.72E-03	128.2030	47.2390	175.4420		
	7/30/2008 9:00	188	212	900	7.353	7.353		0.3001	2.70E-03	201.1913	74.1331	275.3244		
	7/30/2008 10:00	189	212	1000	4.615	4.615		1.0715	1.30E-02	963.6731	355.0852	1318.7582		
	7/30/2008 11:00	190	212	1100	4.653	4.653		1.0546	1.27E-02	944.9777	348.1965	1293.1742		
	7/30/2008 12:00	191	212	1200	4.794	4.794		0.9942	1.18E-02	878.7690	323.8005	1202.5695		
	7/30/2008 13:00	192	212	1300	4.753	4.753		1.0114	1.21E-02	897.5240	330.7112	1228.2351		
	7/30/2008 14:00	193	212	1400	4.865	4.865		0.9651	1.14E-02	847.2095	312.1718	1159.3813		
	7/30/2008 15:00	194	212	1500	5.077	5.077		0.8830	1.02E-02	759.4253	279.8259	1039.2512		
	7/30/2008 16:00	195	212	1600	4.968	4.968		0.9243	1.08E-02	803.3988	296.0288	1099.4276		
	7/30/2008 17:00	196	212	1700	5.07	5.07		0.8856	1.02E-02	762.1787	280.8404	1043.0192		
	7/30/2008 18:00	197	212	1800	5.394	5.394		0.7723	8.66E-03	644.0186	237.3019	881.3205		
	7/30/2008 19:00	198	212	1900	5.566	5.566		0.7176	7.91E-03	588.2691	216.7598	805.0289		
	7/30/2008 20:00	199	212	2000	6.264	6.264		0.5262	5.40E-03	401.5357	147.9541	549.4897		
	7/30/2008 21:00	200	212	2100	7.865	7.865		0.2155	1.80E-03	133.8163	49.3074	183.1237		
	7/30/2008 22:00	201	212	2200	8.77	8.77		0.0901	6.15E-04	45.7249	16.8483	62.5732		
	7/30/2008 23:00	202	212	2300	8.87	8.87		0.0778	5.13E-04	38.1712	14.0650	52.2361		
	7/31/2008 0:00	203	213	0	8.73	8.73	8.73	0.0951	6.57E-04	48.8656	18.0055	66.8711		
	7/31/2008 1:00	204	213	100	8.56	8.56		0.1168	8.47E-04	62.9696	23.2025	86.1721		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	8.45	8.45		0.1314	9.78E-04	72.7509	26.8066	99.5575		
	7/31/2008 3:00	206	213	300	8.43	8.43		0.1340	1.00E-03	74.5851	27.4824	102.0675		
	7/31/2008 4:00	207	213	400	8.35	8.35		0.1449	1.10E-03	82.0955	30.2498	112.3452		
	7/31/2008 5:00	208	213	500	8.26	8.26		0.1574	1.22E-03	90.8800	33.4866	124.3666		
	7/31/2008 6:00	209	213	600	8.2	8.2		0.1659	1.30E-03	96.9366	35.7183	132.6549		
	7/31/2008 7:00	210	213	700	8.13	8.13		0.1759	1.40E-03	104.2086	38.3978	142.6064		
	7/31/2008 8:00	211	213	800	8.08	8.08		0.1832	1.47E-03	109.5406	40.3625	149.9031		
	7/31/2008 9:00	212	213	900	7.043	7.043		0.3574	3.35E-03	249.4043	91.8981	341.3024		
	7/31/2008 10:00	213	213	1000	4.582	4.582		1.0864	1.32E-02	980.2168	361.1810	1341.3979		
	7/31/2008 11:00	214	213	1100	4.778	4.778		1.0008	1.19E-02	886.0409	326.4800	1212.5209		
	7/31/2008 12:00	215	213	1200	4.675	4.675		1.0449	1.26E-02	934.3240	344.2709	1278.5949		
	7/31/2008 13:00	216	213	1300	4.964	4.964		0.9259	1.08E-02	805.0582	296.6402	1101.6984		
	7/31/2008 14:00	217	213	1400	4.793	4.793		0.9946	1.18E-02	879.2217	323.9673	1203.1891		
	7/31/2008 15:00	218	213	1500	4.891	4.891		0.9546	1.12E-02	835.9349	308.0174	1143.9523		
	7/31/2008 16:00	219	213	1600	5.01	5.01		0.9082	1.06E-02	786.1731	289.6816	1075.8547		
	7/31/2008 17:00	220	213	1700	5.07	5.07		0.8856	1.02E-02	762.1787	280.8404	1043.0192		
	7/31/2008 18:00	221	213	1800	5.343	5.343		0.7893	8.89E-03	661.4275	243.7166	905.1441		
	7/31/2008 19:00	222	213	1900	5.706	5.706		0.6754	7.34E-03	546.0335	201.1973	747.2308		
	7/31/2008 20:00	223	213	2000	6.721	6.721		0.4224	4.12E-03	306.3951	112.8976	419.2927		
	7/31/2008 21:00	224	213	2100	7.651	7.651		0.2495	2.15E-03	160.2586	59.0506	219.3092		
	7/31/2008 22:00	225	213	2200	8.39	8.39		0.1395	1.05E-03	78.3055	28.8533	107.1588		
	7/31/2008 23:00	226	213	2300	8.25	8.25		0.1588	1.24E-03	91.8782	33.8544	125.7326		
	8/1/2008 0:00	227	214	0	8.29	8.29	8.98	0.1532	1.18E-03	87.9120	32.3930	120.3050		
	8/1/2008 1:00	228	214	100	8.44	8.44		0.1327	9.90E-04	73.6659	27.1437	100.8096		
	8/1/2008 2:00	229	214	200	8.47	8.47		0.1287	9.54E-04	70.9339	26.1371	97.0710		
	8/1/2008 3:00	230	214	300	8.45	8.45		0.1314	9.78E-04	72.7509	26.8066	99.5575		
	8/1/2008 4:00	231	214	400	8.45	8.45		0.1314	9.78E-04	72.7509	26.8066	99.5575		
	8/1/2008 5:00	232	214	500	8.39	8.39		0.1395	1.05E-03	78.3055	28.8533	107.1588		
	8/1/2008 6:00	233	214	600	8.31	8.31		0.1504	1.16E-03	85.9555	31.6721	117.6276		
	8/1/2008 7:00	234	214	700	8.22	8.22		0.1630	1.28E-03	94.8998	34.9678	129.8675		
	8/1/2008 8:00	235	214	800	8.19	8.19		0.1673	1.32E-03	97.9618	36.0961	134.0579		
	8/1/2008 9:00	236	214	900	7.147	7.147		0.3376	3.13E-03	232.5456	85.6862	318.2318		
	8/1/2008 10:00	237	214	1000	4.76	4.76		1.0084	1.20E-02	894.2937	329.5209	1223.8147		
	8/1/2008 11:00	238	214	1100	4.781	4.781		0.9996	1.19E-02	884.6728	325.9759	1210.6487		
	8/1/2008 12:00	239	214	1200	4.914	4.914		0.9455	1.11E-02	826.0840	304.3876	1130.4716		
	8/1/2008 13:00	240	214	1300	4.839	4.839		0.9756	1.15E-02	858.6340	316.3813	1175.0153		
	8/1/2008 14:00	241	214	1400	4.905	4.905		0.9490	1.12E-02	829.9251	305.8030	1135.7281		
	8/1/2008 15:00	242	214	1500	4.935	4.935		0.9372	1.10E-02	817.1889	301.1100	1118.2989		
	8/1/2008 16:00	243	214	1600	5.034	5.034		0.8991	1.04E-02	776.4899	286.1137	1062.6036		
	8/1/2008 17:00	244	214	1700	5.159	5.159		0.8531	9.79E-03	727.8635	268.1963	996.0598		
	8/1/2008 18:00	245	214	1800	5.359	5.359		0.7839	8.82E-03	655.9208	241.6875	897.6084		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.613	5.613		0.7032	7.71E-03	573.7889	211.4243	785.2132		
	8/1/2008 20:00	247	214	2000	6.598	6.598		0.4489	4.44E-03	330.2410	121.6841	451.9251		
	8/1/2008 21:00	248	214	2100	8.28	8.28		0.1546	1.20E-03	88.8969	32.7559	121.6528		
	8/1/2008 22:00	249	214	2200	8.98	8.98		0.0646	4.08E-04	30.3601	11.1868	41.5469		
	8/1/2008 23:00	250	214	2300	8.93	8.93		0.0705	4.55E-04	33.8452	12.4709	46.3161		
	8/2/2008 0:00	251	215	0	8.86	8.86	8.86	0.0790	5.23E-04	38.9073	14.3362	53.2435		
	8/2/2008 1:00	252	215	100	8.76	8.76		0.0913	6.25E-04	46.5037	17.1352	63.6390		
	8/2/2008 2:00	253	215	200	8.69	8.69		0.1001	7.00E-04	52.0740	19.1877	71.2618		
	8/2/2008 3:00	254	215	300	8.61	8.61		0.1103	7.89E-04	58.6942	21.6271	80.3213		
	8/2/2008 4:00	255	215	400	8.51	8.51		0.1234	9.05E-04	67.3515	24.8170	92.1685		
	8/2/2008 5:00	256	215	500	8.46	8.46		0.1300	9.66E-04	71.8403	26.4710	98.3113		
	8/2/2008 6:00	257	215	600	8.51	8.51		0.1234	9.05E-04	67.3515	24.8170	92.1685		
	8/2/2008 7:00	258	215	700	8.27	8.27		0.1560	1.21E-03	89.8862	33.1204	123.0066		
	8/2/2008 8:00	259	215	800	7.149	7.149		0.3372	3.12E-03	232.2283	85.5693	317.7976		
	8/2/2008 9:00	260	215	900	5.163	5.163		0.8516	9.77E-03	726.3559	267.6408	993.9967		
	8/2/2008 10:00	261	215	1000	5.031	5.031		0.9002	1.05E-02	777.6940	286.5574	1064.2514		
	8/2/2008 11:00	262	215	1100	5.038	5.038		0.8976	1.04E-02	774.8872	285.5231	1060.4104		
	8/2/2008 12:00	263	215	1200	4.968	4.968		0.9243	1.08E-02	803.3988	296.0288	1099.4276		
	8/2/2008 13:00	264	215	1300	4.977	4.977		0.9208	1.08E-02	799.6772	294.6575	1094.3347		
	8/2/2008 14:00	265	215	1400	5.147	5.147		0.8574	9.85E-03	732.4039	269.8693	1002.2732		
	8/2/2008 15:00	266	215	1500	5.251	5.251		0.8206	9.33E-03	693.9144	255.6870	949.6015		
	8/2/2008 16:00	267	215	1600	5.36	5.36		0.7836	8.81E-03	655.5780	241.5612	897.1393		
	8/2/2008 17:00	268	215	1700	5.449	5.449		0.7545	8.41E-03	625.7052	230.5539	856.2591		
	8/2/2008 18:00	269	215	1800	5.709	5.709		0.6745	7.33E-03	545.1575	200.8745	746.0320		
	8/2/2008 19:00	270	215	1900	5.892	5.892		0.6225	6.64E-03	493.8846	181.9819	675.8665		
	8/2/2008 20:00	271	215	2000	6.558	6.558		0.4578	4.55E-03	338.2621	124.6396	462.9017		
	8/2/2008 21:00	272	215	2100	7.727	7.727		0.2372	2.02E-03	150.5976	55.4908	206.0883		
	8/2/2008 22:00	273	215	2200	8.44	8.44		0.1327	9.90E-04	73.6659	27.1437	100.8096		
	8/2/2008 23:00	274	215	2300	8.26	8.26		0.1574	1.22E-03	90.8800	33.4866	124.3666		
	8/3/2008 0:00	275	216	0	8.09	8.09	8.30	0.1817	1.46E-03	108.4649	39.9661	148.4311		
	8/3/2008 1:00	276	216	100	7.902	7.902		0.2098	1.74E-03	129.4794	47.7093	177.1887		
	8/3/2008 2:00	277	216	200	8.05	8.05		0.1876	1.52E-03	112.7956	41.5619	154.3575		
	8/3/2008 3:00	278	216	300	8.21	8.21		0.1644	1.29E-03	95.9159	35.3422	131.2582		
	8/3/2008 4:00	279	216	400	8.28	8.28		0.1546	1.20E-03	88.8969	32.7559	121.6528		
	8/3/2008 5:00	280	216	500	8.3	8.3		0.1518	1.17E-03	86.9315	32.0317	118.9633		
	8/3/2008 6:00	281	216	600	8.27	8.27		0.1560	1.21E-03	89.8862	33.1204	123.0066		
	8/3/2008 7:00	282	216	700	8.22	8.22		0.1630	1.28E-03	94.8998	34.9678	129.8675		
	8/3/2008 8:00	283	216	800	7.273	7.273		0.3145	2.86E-03	213.0559	78.5048	291.5608		
	8/3/2008 9:00	284	216	900	4.959	4.959		0.9278	1.09E-02	807.1371	297.4063	1104.5434		
	8/3/2008 10:00	285	216	1000	4.724	4.724		1.0237	1.22E-02	911.0318	335.6884	1246.7202		
	8/3/2008 11:00	286	216	1100	4.819	4.819		0.9838	1.17E-02	867.5256	319.6577	1187.1833		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	4.841	4.841		0.9748	1.15E-02	857.7498	316.0556	1173.8053		
	8/3/2008 13:00	288	216	1300	4.886	4.886		0.9566	1.13E-02	838.0916	308.8121	1146.9036		
	8/3/2008 14:00	289	216	1400	5.059	5.059		0.8897	1.03E-02	766.5247	282.4418	1048.9665		
	8/3/2008 15:00	290	216	1500	5.22	5.22		0.8314	9.48E-03	705.1863	259.8404	965.0267		
	8/3/2008 16:00	291	216	1600	5.351	5.351		0.7866	8.86E-03	658.6690	242.7001	901.3691		
	8/3/2008 17:00	292	216	1700	5.437	5.437		0.7583	8.47E-03	629.6608	232.0115	861.6723		
	8/3/2008 18:00	293	216	1800	5.678	5.678		0.6837	7.45E-03	554.2673	204.2312	758.4984		
	8/3/2008 19:00	294	216	1900	5.777	5.777		0.6548	7.07E-03	525.6145	193.6735	719.2879		
	8/3/2008 20:00	295	216	2000	6.155	6.155		0.5532	5.74E-03	427.0737	157.3641	584.4378		
	8/3/2008 21:00	296	216	2100	7.129	7.129		0.3410	3.16E-03	235.4125	86.7426	322.1550		
	8/3/2008 22:00	297	216	2200	7.835	7.835		0.2202	1.85E-03	137.3826	50.6214	188.0041		
	8/3/2008 23:00	298	216	2300	7.981	7.981		0.1978	1.62E-03	120.4432	44.3798	164.8230		
	8/4/2008 0:00	299	217	0	7.895	7.895	8.64	0.2109	1.75E-03	130.2947	48.0098	178.3045		
	8/4/2008 1:00	300	217	100	7.822	7.822		0.2222	1.87E-03	138.9420	51.1960	190.1380		
	8/4/2008 2:00	301	217	200	7.445	7.445		0.2841	2.53E-03	188.0174	69.2789	257.2963		
	8/4/2008 3:00	302	217	300	7.223	7.223		0.3235	2.97E-03	220.6703	81.3105	301.9808		
	8/4/2008 4:00	303	217	400	7.025	7.025		0.3609	3.39E-03	252.3955	93.0003	345.3958		
	8/4/2008 5:00	304	217	500	7.159	7.159		0.3354	3.10E-03	230.6460	84.9863	315.6322		
	8/4/2008 6:00	305	217	600	7.526	7.526		0.2703	2.38E-03	176.8218	65.1536	241.9755		
	8/4/2008 7:00	306	217	700	7.484	7.484		0.2774	2.45E-03	182.5806	67.2756	249.8561		
	8/4/2008 8:00	307	217	800	7.263	7.263		0.3163	2.88E-03	214.5664	79.0614	293.6278		
	8/4/2008 9:00	308	217	900	6.862	6.862		0.3932	3.77E-03	280.5099	103.3596	383.8695		
	8/4/2008 10:00	309	217	1000	5.789	5.789		0.6514	7.02E-03	522.2271	192.4253	714.6524		
	8/4/2008 11:00	310	217	1100	5.287	5.287		0.8082	9.16E-03	681.0326	250.9405	931.9731		
	8/4/2008 12:00	311	217	1200	5.315	5.315		0.7987	9.02E-03	671.1650	247.3045	918.4695		
	8/4/2008 13:00	312	217	1300	5.39	5.39		0.7737	8.68E-03	645.3690	237.7995	883.1685		
	8/4/2008 14:00	313	217	1400	5.866	5.866		0.6297	6.73E-03	500.9172	184.5733	685.4905		
	8/4/2008 15:00	314	217	1500	6.201	6.201		0.5417	5.59E-03	416.1506	153.3392	569.4898		
	8/4/2008 16:00	315	217	1600	5.671	5.671		0.6858	7.48E-03	556.3420	204.9957	761.3377		
	8/4/2008 17:00	316	217	1700	5.631	5.631		0.6977	7.64E-03	568.3250	209.4110	777.7361		
	8/4/2008 18:00	317	217	1800	5.775	5.775		0.6554	7.07E-03	526.1808	193.8821	720.0629		
	8/4/2008 19:00	318	217	1900	5.999	5.999		0.5936	6.26E-03	465.7752	171.6245	637.3997		
	8/4/2008 20:00	319	217	2000	6.686	6.686		0.4299	4.21E-03	313.0573	115.3524	428.4097		
	8/4/2008 21:00	320	217	2100	8.18	8.18		0.1687	1.33E-03	98.9916	36.4755	135.4671		
	8/4/2008 22:00	321	217	2200	8.64	8.64		0.1065	7.55E-04	56.1799	20.7006	76.8805		
	8/4/2008 23:00	322	217	2300	8.55	8.55		0.1181	8.58E-04	63.8375	23.5222	87.3597		
	8/5/2008 0:00	323	218	0	8.51	8.51	8.51	0.1234	9.05E-04	67.3515	24.8170	92.1685		
	8/5/2008 1:00	324	218	100	8.46	8.46		0.1300	9.66E-04	71.8403	26.4710	98.3113		
	8/5/2008 2:00	325	218	200	8.43	8.43		0.1340	1.00E-03	74.5851	27.4824	102.0675		
	8/5/2008 3:00	326	218	300	8.28	8.28		0.1546	1.20E-03	88.8969	32.7559	121.6528		
	8/5/2008 4:00	327	218	400	8.17	8.17		0.1701	1.34E-03	100.0259	36.8566	136.8824		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.17	8.17		0.1701	1.34E-03	100.0259	36.8566	136.8824		
	8/5/2008 6:00	329	218	600	8.21	8.21		0.1644	1.29E-03	95.9159	35.3422	131.2582		
	8/5/2008 7:00	330	218	700	8.18	8.18		0.1687	1.33E-03	98.9916	36.4755	135.4671		
	8/5/2008 8:00	331	218	800	8.07	8.07		0.1846	1.49E-03	110.6209	40.7606	151.3815		
	8/5/2008 9:00	332	218	900	6.882	6.882		0.3891	3.72E-03	276.9583	102.0510	379.0093		
	8/5/2008 10:00	333	218	1000	5.239	5.239		0.8248	9.39E-03	698.2579	257.2875	955.5453		
	8/5/2008 11:00	334	218	1100	5.602	5.602		0.7065	7.76E-03	577.1500	212.6628	789.8128		
	8/5/2008 12:00	335	218	1200	5.308	5.308		0.8011	9.06E-03	673.6196	248.2090	921.8286		
	8/5/2008 13:00	336	218	1300	4.89	4.89		0.9550	1.12E-02	836.3658	308.1762	1144.5420		
	8/5/2008 14:00	337	218	1400	5.647	5.647		0.6929	7.58E-03	563.5057	207.6353	771.1410		
	8/5/2008 15:00	338	218	1500	5.951	5.951		0.6065	6.43E-03	478.2218	176.2107	654.4325		
	8/5/2008 16:00	339	218	1600	5.74	5.74		0.6655	7.21E-03	536.1741	197.5644	733.7385		
	8/5/2008 17:00	340	218	1700	5.36	5.36		0.7836	8.81E-03	655.5780	241.5612	897.1393		
	8/5/2008 18:00	341	218	1800	5.219	5.219		0.8318	9.49E-03	705.5527	259.9754	965.5281		
	8/5/2008 19:00	342	218	1900	5.411	5.411		0.7668	8.58E-03	638.3077	235.1976	873.5053		
	8/5/2008 20:00	343	218	2000	6.344	6.344		0.5069	5.16E-03	383.5336	141.3208	524.8544		
	8/5/2008 21:00	344	218	2100	7.905	7.905		0.2094	1.74E-03	129.1307	47.5809	176.7116		
	8/5/2008 22:00	345	218	2200	8.18	8.18		0.1687	1.33E-03	98.9916	36.4755	135.4671		
	8/5/2008 23:00	346	218	2300	8.11	8.11		0.1788	1.43E-03	106.3275	39.1786	145.5061		
	8/6/2008 0:00	347	219	0	7.982	7.982	7.98	0.1977	1.62E-03	120.3307	44.3383	164.6691		
	8/6/2008 1:00	348	219	100	7.863	7.863		0.2158	1.80E-03	134.0527	49.3945	183.4472		
	8/6/2008 2:00	349	219	200	7.796	7.796		0.2263	1.91E-03	142.0862	52.3546	194.4408		
	8/6/2008 3:00	350	219	300	7.72	7.72		0.2383	2.04E-03	151.4747	55.8140	207.2887		
	8/6/2008 4:00	351	219	400	7.652	7.652		0.2493	2.15E-03	160.1295	59.0030	219.1325		
	8/6/2008 5:00	352	219	500	7.583	7.583		0.2607	2.27E-03	169.1633	62.3317	231.4951		
	8/6/2008 6:00	353	219	600	7.539	7.539		0.2681	2.35E-03	175.0593	64.5042	239.5636		
	8/6/2008 7:00	354	219	700	7.52	7.52		0.2713	2.39E-03	177.6384	65.4545	243.0930		
	8/6/2008 8:00	355	219	800	7.482	7.482		0.2777	2.46E-03	182.8573	67.3775	250.2348		
	8/6/2008 9:00	356	219	900	7.589	7.589		0.2597	2.26E-03	168.3676	62.0385	230.4061		
	8/6/2008 10:00	357	219	1000	5.799	5.799		0.6486	6.98E-03	519.4181	191.3903	710.8084		
	8/6/2008 11:00	358	219	1100	4.148	4.148		1.3047	1.65E-02	1228.0338	452.4943	1680.5281		
	8/6/2008 12:00	359	219	1200	5.05	5.05		0.8931	1.04E-02	770.0980	283.7585	1053.8565		
	8/6/2008 13:00	360	219	1300	5.49	5.49		0.7413	8.23E-03	612.3554	225.6349	837.9903		
	8/6/2008 14:00	361	219	1400	4.906	4.906		0.9486	1.12E-02	829.4974	305.6454	1135.1428		
	8/6/2008 15:00	362	219	1500	4.517	4.517		1.1164	1.36E-02	1013.6687	373.5071	1387.1758		
	8/6/2008 16:00	363	219	1600	4.661	4.661		1.0511	1.27E-02	941.0894	346.7637	1287.8531		
	8/6/2008 17:00	364	219	1700	4.551	4.551		1.1006	1.34E-02	996.0253	367.0060	1363.0314		
	8/6/2008 18:00	365	219	1800	5.194	5.194		0.8406	9.61E-03	714.7704	263.3719	978.1423		
	8/6/2008 19:00	366	219	1900	5.149	5.149		0.8567	9.84E-03	731.6454	269.5898	1001.2351		
	8/6/2008 20:00	367	219	2000	5.574	5.574		0.7151	7.88E-03	585.7823	215.8435	801.6259		
	8/6/2008 21:00	368	219	2100	7.018	7.018		0.3622	3.41E-03	253.5647	93.4311	346.9959		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	7.719	7.719		0.2385	2.04E-03	151.6003	55.8602	207.4605		
	8/6/2008 23:00	370	219	2300	7.767	7.767		0.2308	1.96E-03	145.6337	53.6617	199.2954		
	8/7/2008 0:00	371	220	0	7.735	7.735	7.74	0.2359	2.01E-03	149.5982	55.1225	204.7207		
	8/7/2008 1:00	372	220	100	7.653	7.653		0.2492	2.15E-03	160.0005	58.9555	218.9559		
	8/7/2008 2:00	373	220	200	7.574	7.574		0.2622	2.29E-03	170.3607	62.7729	233.1336		
	8/7/2008 3:00	374	220	300	7.521	7.521		0.2711	2.39E-03	177.5022	65.4043	242.9065		
	8/7/2008 4:00	375	220	400	7.462	7.462		0.2812	2.50E-03	185.6368	68.4017	254.0385		
	8/7/2008 5:00	376	220	500	7.425	7.425		0.2875	2.57E-03	190.8393	70.3187	261.1580		
	8/7/2008 6:00	377	220	600	7.388	7.388		0.2940	2.64E-03	196.1211	72.2648	268.3859		
	8/7/2008 7:00	378	220	700	7.353	7.353		0.3001	2.70E-03	201.1913	74.1331	275.3244		
	8/7/2008 8:00	379	220	800	7.358	7.358		0.2993	2.70E-03	200.4625	73.8645	274.3271		
	8/7/2008 9:00	380	220	900	7.123	7.123		0.3421	3.18E-03	236.3728	87.0964	323.4692		
	8/7/2008 10:00	381	220	1000	4.836	4.836		0.9768	1.16E-02	859.9619	316.8707	1176.8326		
	8/7/2008 11:00	382	220	1100	4.118	4.118		1.3215	1.68E-02	1247.5164	459.6731	1707.1894		
	8/7/2008 12:00	383	220	1200	4.232	4.232		1.2590	1.58E-02	1175.2472	433.0440	1608.2912		
	8/7/2008 13:00	384	220	1300	4.138	4.138		1.3103	1.66E-02	1234.4902	454.8733	1689.3635		
	8/7/2008 14:00	385	220	1400	4.241	4.241		1.2542	1.57E-02	1169.7409	431.0151	1600.7559		
	8/7/2008 15:00	386	220	1500	4.375	4.375		1.1851	1.47E-02	1090.9833	401.9953	1492.9786		
	8/7/2008 16:00	387	220	1600	4.353	4.353		1.1962	1.48E-02	1103.5114	406.6115	1510.1229		
	8/7/2008 17:00	388	220	1700	4.321	4.321		1.2125	1.51E-02	1122.0105	413.4279	1535.4384		
	8/7/2008 18:00	389	220	1800	4.51	4.51		1.1197	1.37E-02	1017.3415	374.8604	1392.2019		
	8/7/2008 19:00	390	220	1900	4.751	4.751		1.0122	1.21E-02	898.4490	331.0520	1229.5010		
	8/7/2008 20:00	391	220	2000	5.311	5.311		0.8000	9.04E-03	672.5666	247.8210	920.3877		
	8/7/2008 21:00	392	220	2100	6.74	6.74		0.4184	4.07E-03	302.8187	111.5798	414.3985		
	8/7/2008 22:00	393	220	2200	7.427	7.427		0.2872	2.56E-03	190.5561	70.2143	260.7704		
	8/7/2008 23:00	394	220	2300	7.62	7.62		0.2546	2.21E-03	164.2872	60.5350	224.8222		
	8/8/2008 0:00	395	221	0	7.697	7.697	7.73	0.2420	2.08E-03	154.3749	56.8826	211.2575		
	8/8/2008 1:00	396	221	100	7.717	7.717		0.2388	2.04E-03	151.8515	55.9528	207.8043		
	8/8/2008 2:00	397	221	200	7.731	7.731		0.2366	2.02E-03	150.0975	55.3065	205.4040		
	8/8/2008 3:00	398	221	300	7.618	7.618		0.2549	2.21E-03	164.5489	60.6314	225.1803		
	8/8/2008 4:00	399	221	400	7.539	7.539		0.2681	2.35E-03	175.0593	64.5042	239.5636		
	8/8/2008 5:00	400	221	500	7.48	7.48		0.2781	2.46E-03	183.1342	67.4796	250.6138		
	8/8/2008 6:00	401	221	600	7.424	7.424		0.2877	2.57E-03	190.9810	70.3709	261.3519		
	8/8/2008 7:00	402	221	700	7.392	7.392		0.2933	2.63E-03	195.5462	72.0530	267.5992		
	8/8/2008 8:00	403	221	800	7.38	7.38		0.2954	2.65E-03	197.2736	72.6895	269.9631		
	8/8/2008 9:00	404	221	900	6.142	6.142		0.5565	5.78E-03	430.2000	158.5160	588.7160		
	8/8/2008 10:00	405	221	1000	4.178	4.178		1.2882	1.63E-02	1208.8876	445.4395	1654.3271		
	8/8/2008 11:00	406	221	1100	4.192	4.192		1.2805	1.61E-02	1200.0656	442.1889	1642.2545		
	8/8/2008 12:00	407	221	1200	4.154	4.154		1.3014	1.65E-02	1224.1779	451.0735	1675.2514		
	8/8/2008 13:00	408	221	1300	4.019	4.019		1.3787	1.77E-02	1314.2989	484.2804	1798.5793		
	8/8/2008 14:00	409	221	1400	4.079	4.079		1.3437	1.71E-02	1273.3600	469.1957	1742.5556		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	4.162	4.162		1.2970	1.64E-02	1219.0575	449.1868	1668.2444		
	8/8/2008 16:00	411	221	1600	4.166	4.166		1.2948	1.64E-02	1216.5062	448.2467	1664.7530		
	8/8/2008 17:00	412	221	1700	4.29	4.29		1.2284	1.53E-02	1140.2506	420.1488	1560.3994		
	8/8/2008 18:00	413	221	1800	4.694	4.694		1.0366	1.24E-02	925.2215	340.9169	1266.1384		
	8/8/2008 19:00	414	221	1900	4.588	4.588		1.0837	1.31E-02	977.1872	360.0647	1337.2519		
	8/8/2008 20:00	415	221	2000	5.283	5.283		0.8096	9.18E-03	682.4530	251.4639	933.9169		
	8/8/2008 21:00	416	221	2100	6.581	6.581		0.4527	4.49E-03	333.6337	122.9342	456.5678		
	8/8/2008 22:00	417	221	2200	7.176	7.176		0.3322	3.06E-03	227.9707	84.0005	311.9712		
	8/8/2008 23:00	418	221	2300	7.346	7.346		0.3014	2.72E-03	202.2141	74.5099	276.7240		
	8/9/2008 0:00	419	222	0	7.332	7.332	7.41	0.3039	2.75E-03	204.2684	75.2669	279.5353		
	8/9/2008 1:00	420	222	100	7.301	7.301		0.3094	2.81E-03	208.8592	76.9585	285.8177		
	8/9/2008 2:00	421	222	200	7.352	7.352		0.3003	2.71E-03	201.3372	74.1868	275.5241		
	8/9/2008 3:00	422	222	300	7.37	7.37		0.2972	2.67E-03	198.7196	73.2223	271.9419		
	8/9/2008 4:00	423	222	400	7.349	7.349		0.3009	2.71E-03	201.7754	74.3483	276.1237		
	8/9/2008 5:00	424	222	500	7.229	7.229		0.3225	2.95E-03	219.7484	80.9708	300.7192		
	8/9/2008 6:00	425	222	600	7.199	7.199		0.3280	3.02E-03	224.3807	82.6777	307.0584		
	8/9/2008 7:00	426	222	700	6.837	6.837		0.3983	3.83E-03	284.9906	105.0106	390.0012		
	8/9/2008 8:00	427	222	800	6.168	6.168		0.5499	5.70E-03	423.9648	156.2186	580.1834		
	8/9/2008 9:00	428	222	900	6.761	6.761		0.4140	4.02E-03	298.8983	110.1352	409.0336		
	8/9/2008 10:00	429	222	1000	6.579	6.579		0.4531	4.49E-03	334.0344	123.0818	457.1162		
	8/9/2008 11:00	430	222	1100	5.894	5.894		0.6220	6.63E-03	493.3469	181.7838	675.1308		
	8/9/2008 12:00	431	222	1200	4.977	4.977		0.9208	1.08E-02	799.6772	294.6575	1094.3347		
	8/9/2008 13:00	432	222	1300	4.665	4.665		1.0493	1.26E-02	939.1513	346.0496	1285.2009		
	8/9/2008 14:00	433	222	1400	4.137	4.137		1.3109	1.66E-02	1235.1379	455.1120	1690.2499		
	8/9/2008 15:00	434	222	1500	4.084	4.084		1.3408	1.71E-02	1270.0135	467.9626	1737.9761		
	8/9/2008 16:00	435	222	1600	4.144	4.144		1.3069	1.65E-02	1230.6119	453.4443	1684.0561		
	8/9/2008 17:00	436	222	1700	4.216	4.216		1.2676	1.59E-02	1185.1064	436.6768	1621.7832		
	8/9/2008 18:00	437	222	1800	4.293	4.293		1.2269	1.53E-02	1138.4715	419.4932	1557.9648		
	8/9/2008 19:00	438	222	1900	4.478	4.478		1.1349	1.39E-02	1034.3096	381.1126	1415.4222		
	8/9/2008 20:00	439	222	2000	5.183	5.183		0.8445	9.66E-03	718.8615	264.8793	983.7408		
	8/9/2008 21:00	440	222	2100	6.819	6.819		0.4020	3.88E-03	288.2453	106.2099	394.4552		
	8/9/2008 22:00	441	222	2200	7.404	7.404		0.2912	2.61E-03	193.8273	71.4196	265.2469		
	8/9/2008 23:00	442	222	2300	7.409	7.409		0.2903	2.60E-03	193.1135	71.1566	264.2702		
	8/10/2008 0:00	443	223	0	7.373	7.373	7.37	0.2966	2.67E-03	198.2851	73.0622	271.3474		
	8/10/2008 1:00	444	223	100	7.344	7.344		0.3017	2.72E-03	202.5068	74.6178	277.1246		
	8/10/2008 2:00	445	223	200	7.297	7.297		0.3101	2.82E-03	209.4558	77.1783	286.6341		
	8/10/2008 3:00	446	223	300	7.26	7.26		0.3168	2.89E-03	215.0207	79.2288	294.2496		
	8/10/2008 4:00	447	223	400	7.239	7.239		0.3206	2.93E-03	218.2168	80.4065	298.6232		
	8/10/2008 5:00	448	223	500	7.192	7.192		0.3293	3.03E-03	225.4698	83.0790	308.5487		
	8/10/2008 6:00	449	223	600	7.163	7.163		0.3346	3.09E-03	230.0148	84.7537	314.7685		
	8/10/2008 7:00	450	223	700	7.154	7.154		0.3363	3.11E-03	231.4363	85.2775	316.7138		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	7.165	7.165		0.3343	3.09E-03	229.6997	84.6376	314.3372		
	8/10/2008 9:00	452	223	900	7.026	7.026		0.3607	3.39E-03	252.2288	92.9389	345.1676		
	8/10/2008 10:00	453	223	1000	4.909	4.909		0.9474	1.11E-02	828.2158	305.1731	1133.3889		
	8/10/2008 11:00	454	223	1100	3.902	3.902		1.4500	1.88E-02	1398.4915	515.3030	1913.7945		
	8/10/2008 12:00	455	223	1200	4.169	4.169		1.2931	1.63E-02	1214.5966	447.5431	1662.1397		
	8/10/2008 13:00	456	223	1300	3.993	3.993		1.3942	1.79E-02	1332.4983	490.9864	1823.4847		
	8/10/2008 14:00	457	223	1400	4.059	4.059		1.3553	1.73E-02	1286.8449	474.1645	1761.0093		
	8/10/2008 15:00	458	223	1500	4.245	4.245		1.2521	1.57E-02	1167.3026	430.1167	1597.4193		
	8/10/2008 16:00	459	223	1600	4.041	4.041		1.3658	1.75E-02	1299.1185	478.6869	1777.8054		
	8/10/2008 17:00	460	223	1700	4.242	4.242		1.2537	1.57E-02	1169.1308	430.7903	1599.9211		
	8/10/2008 18:00	461	223	1800	6.601	6.601		0.4483	4.43E-03	329.6448	121.4644	451.1092		
	8/10/2008 19:00	462	223	1900	7.144	7.144		0.3382	3.13E-03	233.0219	85.8617	318.8836		
	8/10/2008 20:00	463	223	2000	7.047	7.047		0.3566	3.34E-03	248.7425	91.6543	340.3969		
	8/10/2008 21:00	464	223	2100	6.993	6.993		0.3671	3.47E-03	257.7679	94.9799	352.7478		
	8/10/2008 22:00	465	223	2200	7.086	7.086		0.3491	3.26E-03	242.3470	89.2977	331.6447		
	8/10/2008 23:00	466	223	2300	7.027	7.027		0.3605	3.39E-03	252.0621	92.8775	344.9395		
	8/11/2008 0:00	467	224	0	7.057	7.057	7.43	0.3547	3.32E-03	247.0929	91.0465	338.1394		
	8/11/2008 1:00	468	224	100	7.238	7.238		0.3208	2.94E-03	218.3697	80.4628	298.8325		
	8/11/2008 2:00	469	224	200	7.392	7.392		0.2933	2.63E-03	195.5462	72.0530	267.5992		
	8/11/2008 3:00	470	224	300	7.42	7.42		0.2884	2.58E-03	191.5484	70.5799	262.1283		
	8/11/2008 4:00	471	224	400	7.432	7.432		0.2863	2.55E-03	189.8490	69.9538	259.8028		
	8/11/2008 5:00	472	224	500	7.404	7.404		0.2912	2.61E-03	193.8273	71.4196	265.2469		
	8/11/2008 6:00	473	224	600	7.397	7.397		0.2924	2.62E-03	194.8290	71.7887	266.6177		
	8/11/2008 7:00	474	224	700	7.414	7.414		0.2895	2.59E-03	192.4012	70.8942	263.2954		
	8/11/2008 8:00	475	224	800	7.421	7.421		0.2882	2.57E-03	191.4065	70.5276	261.9341		
	8/11/2008 9:00	476	224	900	6.893	6.893		0.3869	3.70E-03	275.0174	101.3358	376.3532		
	8/11/2008 10:00	477	224	1000	4.955	4.955		0.9294	1.09E-02	808.8041	298.0205	1106.8245		
	8/11/2008 11:00	478	224	1100	4.077	4.077		1.3449	1.71E-02	1274.7013	469.6899	1744.3912		
	8/11/2008 12:00	479	224	1200	4.171	4.171		1.2920	1.63E-02	1213.3254	447.0747	1660.4001		
	8/11/2008 13:00	480	224	1300	4.509	4.509		1.1202	1.37E-02	1017.8673	375.0541	1392.9214		
	8/11/2008 14:00	481	224	1400	4.165	4.165		1.2953	1.64E-02	1217.1435	448.4816	1665.6251		
	8/11/2008 15:00	482	224	1500	4.111	4.111		1.3255	1.68E-02	1252.1116	461.3663	1713.4778		
	8/11/2008 16:00	483	224	1600	4.339	4.339		1.2033	1.49E-02	1111.5641	409.5787	1521.1428		
	8/11/2008 17:00	484	224	1700	4.389	4.389		1.1782	1.46E-02	1083.0902	399.0868	1482.1770		
	8/11/2008 18:00	485	224	1800	4.713	4.713		1.0284	1.23E-02	916.2089	337.5960	1253.8050		
	8/11/2008 19:00	486	224	1900	4.868	4.868		0.9638	1.14E-02	845.9010	311.6896	1157.5906		
	8/11/2008 20:00	487	224	2000	5.613	5.613		0.7032	7.71E-03	573.7889	211.4243	785.2132		
	8/11/2008 21:00	488	224	2100	6.46	6.46		0.4799	4.82E-03	358.4895	132.0928	490.5823		
	8/11/2008 22:00	489	224	2200	6.959	6.959		0.3738	3.54E-03	263.5536	97.1118	360.6654		
	8/11/2008 23:00	490	224	2300	7.19	7.19		0.3296	3.04E-03	225.7815	83.1938	308.9753		
	8/12/2008 0:00	491	225	0	7.326	7.326	7.34	0.3049	2.76E-03	205.1524	75.5926	280.7450		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	7.339	7.339		0.3026	2.73E-03	203.2397	74.8879	278.1276		
	8/12/2008 2:00	493	225	200	6.888	6.888		0.3879	3.71E-03	275.8985	101.6605	377.5590		
	8/12/2008 3:00	494	225	300	6.634	6.634		0.4411	4.34E-03	323.1354	119.0659	442.2012		
	8/12/2008 4:00	495	225	400	6.673	6.673		0.4326	4.24E-03	315.5565	116.2733	431.8297		
	8/12/2008 5:00	496	225	500	6.838	6.838		0.3981	3.83E-03	284.8105	104.9443	389.7547		
	8/12/2008 6:00	497	225	600	6.959	6.959		0.3738	3.54E-03	263.5536	97.1118	360.6654		
	8/12/2008 7:00	498	225	700	7.085	7.085		0.3493	3.26E-03	242.5097	89.3577	331.8674		
	8/12/2008 8:00	499	225	800	7.072	7.072		0.3518	3.29E-03	244.6311	90.1394	334.7705		
	8/12/2008 9:00	500	225	900	6.727	6.727		0.4211	4.10E-03	305.2627	112.4803	417.7430		
	8/12/2008 10:00	501	225	1000	5.001	5.001		0.9116	1.06E-02	789.8341	291.0306	1080.8647		
	8/12/2008 11:00	502	225	1100	4.138	4.138		1.3103	1.66E-02	1234.4902	454.8733	1689.3635		
	8/12/2008 12:00	503	225	1200	4.206	4.206		1.2729	1.60E-02	1191.3144	438.9643	1630.2787		
	8/12/2008 13:00	504	225	1300	3.948	3.948		1.4215	1.83E-02	1364.6773	502.8434	1867.5207		
	8/12/2008 14:00	505	225	1400	4.038	4.038		1.3675	1.75E-02	1301.1768	479.4454	1780.6222		
	8/12/2008 15:00	506	225	1500	4.104	4.104		1.3294	1.69E-02	1256.7256	463.0664	1719.7920		
	8/12/2008 16:00	507	225	1600	4.072	4.072		1.3477	1.72E-02	1278.0616	470.9281	1748.9897		
	8/12/2008 17:00	508	225	1700	4.022	4.022		1.3769	1.76E-02	1312.2171	483.5134	1795.7304		
	8/12/2008 18:00	509	225	1800	4.204	4.204		1.2740	1.60E-02	1192.5603	439.4234	1631.9836		
	8/12/2008 19:00	510	225	1900	4.389	4.389		1.1782	1.46E-02	1083.0902	399.0868	1482.1770		
	8/12/2008 20:00	511	225	2000	5.087	5.087		0.8793	1.02E-02	755.5083	278.3826	1033.8908		
	8/12/2008 21:00	512	225	2100	6.65	6.65		0.4376	4.30E-03	320.0112	117.9147	437.9259		
	8/12/2008 22:00	513	225	2200	7.178	7.178		0.3318	3.06E-03	227.6572	83.8850	311.5422		
	8/12/2008 23:00	514	225	2300	7.203	7.203		0.3272	3.01E-03	223.7598	82.4489	306.2087		
	8/13/2008 0:00	515	226	0	7.162	7.162	7.37	0.3348	3.09E-03	230.1725	84.8118	314.9843		
	8/13/2008 1:00	516	226	100	7.176	7.176		0.3322	3.06E-03	227.9707	84.0005	311.9712		
	8/13/2008 2:00	517	226	200	7.249	7.249		0.3188	2.91E-03	216.6914	79.8444	296.5359		
	8/13/2008 3:00	518	226	300	7.297	7.297		0.3101	2.82E-03	209.4558	77.1783	286.6341		
	8/13/2008 4:00	519	226	400	7.306	7.306		0.3085	2.80E-03	208.1148	76.6842	284.7990		
	8/13/2008 5:00	520	226	500	7.37	7.37		0.2972	2.67E-03	198.7196	73.2223	271.9419		
	8/13/2008 6:00	521	226	600	7.296	7.296		0.3103	2.82E-03	209.6051	77.2333	286.8384		
	8/13/2008 7:00	522	226	700	7.236	7.236		0.3212	2.94E-03	218.6756	80.5755	299.2511		
	8/13/2008 8:00	523	226	800	7.238	7.238		0.3208	2.94E-03	218.3697	80.4628	298.8325		
	8/13/2008 9:00	524	226	900	6.264	6.264		0.5262	5.40E-03	401.5357	147.9541	549.4897		
	8/13/2008 10:00	525	226	1000	4.506	4.506		1.1216	1.37E-02	1019.4464	375.6360	1395.0824		
	8/13/2008 11:00	526	226	1100	4.469	4.469		1.1392	1.40E-02	1039.1352	382.8907	1422.0259		
	8/13/2008 12:00	527	226	1200	4.024	4.024		1.3757	1.76E-02	1310.8313	483.0027	1793.8340		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.484	5.484	9.80	0.7870	8.86E-03	1687.3401	621.7352	2309.0753		
W608EC2	7/22/2008 14:00	1	204	1400	5.982	5.982		0.6382	6.85E-03	1303.7324	480.3870	1784.1193		
24" N	7/22/2008 15:00	2	204	1500	5.902	5.902		0.6605	7.14E-03	1359.7925	501.0435	1860.8359		
Probe #	7/22/2008 16:00	3	204	1600	5.914	5.914		0.6571	7.10E-03	1351.2583	497.8989	1849.1573		
	7/22/2008 17:00	4	204	1700	5.968	5.968		0.6421	6.90E-03	1313.4026	483.9502	1797.3528		
4	7/22/2008 18:00	5	204	1800	5.903	5.903		0.6602	7.14E-03	1359.0796	500.7808	1859.8604		
	7/22/2008 19:00	6	204	1900	6.182	6.182		0.5852	6.15E-03	1171.7672	431.7617	1603.5290		
	7/22/2008 20:00	7	204	2000	6.594	6.594		0.4862	4.90E-03	932.6423	343.6512	1276.2935		
	7/22/2008 21:00	8	204	2100	8.06	8.06		0.2159	1.80E-03	343.2923	126.4931	469.7854		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.41	9.41		0.0414	2.36E-04	45.0151	16.5867	61.6018		
	7/22/2008 23:00	10	204	2300	9.8	9.8		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.2	7/23/2008 0:00	11	205	0	10.05	10.05	10.09	-0.0249	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	10.09	10.09		-0.0287	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	10.02	10.02		-0.0220	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.96	9.96		-0.0161	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.86	9.86		-0.0061	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.71	9.71		0.0093	3.74E-05	7.1228	2.6245	9.7474		
	7/23/2008 6:00	17	205	600	9.55	9.55		0.0262	1.34E-04	25.5697	9.4217	34.9914		
	7/23/2008 7:00	18	205	700	9.23	9.23		0.0618	3.86E-04	73.5470	27.0999	100.6469		
	7/23/2008 8:00	19	205	800	8.32	8.32		0.1779	1.42E-03	270.4996	99.6712	370.1708		
	7/23/2008 9:00	20	205	900	6.921	6.921		0.4160	4.04E-03	769.7062	283.6141	1053.3203		
	7/23/2008 10:00	21	205	1000	6.169	6.169		0.5886	6.20E-03	1180.0062	434.7975	1614.8037		
	7/23/2008 11:00	22	205	1100	6.281	6.281		0.5603	5.83E-03	1110.4909	409.1832	1519.6742		
	7/23/2008 12:00	23	205	1200	6.152	6.152		0.5930	6.25E-03	1190.8491	438.7929	1629.6420		
	7/23/2008 13:00	24	205	1300	6.107	6.107		0.6047	6.41E-03	1219.9334	449.5095	1669.4429		
	7/23/2008 14:00	25	205	1400	6.085	6.085		0.6105	6.48E-03	1234.3573	454.8243	1689.1816		
	7/23/2008 15:00	26	205	1500	6.045	6.045		0.6212	6.62E-03	1260.9339	464.6170	1725.5510		
	7/23/2008 16:00	27	205	1600	6.212	6.212		0.5776	6.05E-03	1152.9269	424.8196	1577.7466		
	7/23/2008 17:00	28	205	1700	6.59	6.59		0.4871	4.91E-03	934.7729	344.4363	1279.2092		
	7/23/2008 18:00	29	205	1800	7.193	7.193		0.3624	3.41E-03	649.6204	239.3660	888.9864		
	7/23/2008 19:00	30	205	1900	7.074	7.074		0.3854	3.68E-03	700.5530	258.1332	958.6861		
	7/23/2008 20:00	31	205	2000	7.487	7.487		0.3089	2.80E-03	533.6710	196.6421	730.3131		
	7/23/2008 21:00	32	205	2100	8.28	8.28		0.1836	1.48E-03	281.1904	103.6104	384.8008		
	7/23/2008 22:00	33	205	2200	8.95	8.95		0.0950	6.56E-04	124.9300	46.0330	170.9631		
	7/23/2008 23:00	34	205	2300	9.01	9.01		0.0877	5.95E-04	113.2294	41.7217	154.9511		
	7/24/2008 0:00	35	206	0	8.92	8.92	9.30	0.0987	6.88E-04	130.9198	48.2401	179.1599		
	7/24/2008 1:00	36	206	100	8.92	8.92		0.0987	6.88E-04	130.9198	48.2401	179.1599		
	7/24/2008 2:00	37	206	200	8.95	8.95		0.0950	6.56E-04	124.9300	46.0330	170.9631		
	7/24/2008 3:00	38	206	300	9.03	9.03		0.0853	5.75E-04	109.4120	40.3151	149.7271		
	7/24/2008 4:00	39	206	400	9.04	9.04		0.0841	5.65E-04	107.5188	39.6175	147.1364		
	7/24/2008 5:00	40	206	500	9.12	9.12		0.0746	4.87E-04	92.7494	34.1754	126.9248		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.13	9.13		0.0734	4.78E-04	90.9505	33.5126	124.4630		
	7/24/2008 7:00	42	206	700	9.08	9.08		0.0793	5.25E-04	100.0504	36.8656	136.9161		
	7/24/2008 8:00	43	206	800	8.79	8.79		0.1149	8.29E-04	157.9486	58.1994	216.1479		
	7/24/2008 9:00	44	206	900	8.11	8.11		0.2084	1.73E-03	328.6777	121.1081	449.7857		
	7/24/2008 10:00	45	206	1000	7.987	7.987		0.2270	1.92E-03	365.1739	134.5558	499.7297		
	7/24/2008 11:00	46	206	1100	6.066	6.066		0.6156	6.55E-03	1246.9242	459.4549	1706.3791		
	7/24/2008 12:00	47	206	1200	5.588	5.588		0.7538	8.40E-03	1599.9960	589.5514	2189.5474		
	7/24/2008 13:00	48	206	1300	6.06	6.06		0.6172	6.57E-03	1250.9141	460.9250	1711.8391		
	7/24/2008 14:00	49	206	1400	5.932	5.932		0.6521	7.03E-03	1338.5407	493.2129	1831.7536		
	7/24/2008 15:00	50	206	1500	5.677	5.677		0.7263	8.03E-03	1528.4583	563.1919	2091.6502		
	7/24/2008 16:00	51	206	1600	5.718	5.718		0.7139	7.86E-03	1496.4543	551.3994	2047.8537		
	7/24/2008 17:00	52	206	1700	5.928	5.928		0.6532	7.04E-03	1341.3582	494.2510	1835.6092		
	7/24/2008 18:00	53	206	1800	5.828	5.828		0.6815	7.42E-03	1413.4230	520.8048	1934.2278		
	7/24/2008 19:00	54	206	1900	6.134	6.134		0.5977	6.31E-03	1202.4158	443.0548	1645.4707		
	7/24/2008 20:00	55	206	2000	7.105	7.105		0.3793	3.61E-03	687.0507	253.1580	940.2087		
	7/24/2008 21:00	56	206	2100	8.25	8.25		0.1879	1.52E-03	289.3276	106.6087	395.9363		
	7/24/2008 22:00	57	206	2200	9.13	9.13		0.0734	4.78E-04	90.9505	33.5126	124.4630		
	7/24/2008 23:00	58	206	2300	9.3	9.3		0.0538	3.26E-04	62.0120	22.8496	84.8616		
	7/25/2008 0:00	59	207	0	9.31	9.31	9.31	0.0526	3.17E-04	60.4089	22.2589	82.6678		
	7/25/2008 1:00	60	207	100	9.23	9.23		0.0618	3.86E-04	73.5470	27.0999	100.6469		
	7/25/2008 2:00	61	207	200	9.1	9.1		0.0769	5.06E-04	96.3789	35.5128	131.8917		
	7/25/2008 3:00	62	207	300	8.98	8.98		0.0913	6.25E-04	119.0332	43.8602	162.8934		
	7/25/2008 4:00	63	207	400	8.86	8.86		0.1061	7.52E-04	143.1778	52.7568	195.9347		
	7/25/2008 5:00	64	207	500	8.73	8.73		0.1226	8.98E-04	171.0130	63.0133	234.0263		
	7/25/2008 6:00	65	207	600	8.65	8.65		0.1329	9.93E-04	189.0160	69.6468	258.6628		
	7/25/2008 7:00	66	207	700	8.58	8.58		0.1422	1.08E-03	205.3206	75.6546	280.9751		
	7/25/2008 8:00	67	207	800	8.49	8.49		0.1543	1.19E-03	227.0502	83.6613	310.7116		
	7/25/2008 9:00	68	207	900	8.37	8.37		0.1708	1.35E-03	257.3890	94.8403	352.2293		
	7/25/2008 10:00	69	207	1000	8.19	8.19		0.1966	1.61E-03	305.9120	112.7196	418.6316		
	7/25/2008 11:00	70	207	1100	7.218	7.218		0.3577	3.36E-03	639.2243	235.5354	874.7597		
	7/25/2008 12:00	71	207	1200	5.627	5.627		0.7416	8.24E-03	1568.2938	577.8701	2146.1639		
	7/25/2008 13:00	72	207	1300	5.192	5.192		0.8875	1.03E-02	1956.3800	720.8684	2677.2484		
	7/25/2008 14:00	73	207	1400	4.997	4.997		0.9612	1.13E-02	2158.1277	795.2065	2953.3342		
	7/25/2008 15:00	74	207	1500	5.046	5.046		0.9421	1.11E-02	2105.6110	775.8557	2881.4666		
	7/25/2008 16:00	75	207	1600	5.195	5.195		0.8864	1.03E-02	1953.4226	719.7787	2673.2014		
	7/25/2008 17:00	76	207	1700	5.149	5.149		0.9033	1.05E-02	1999.2404	736.6612	2735.9016		
	7/25/2008 18:00	77	207	1800	5.204	5.204		0.8832	1.02E-02	1944.5761	716.5191	2661.0952		
	7/25/2008 19:00	78	207	1900	5.37	5.37		0.8250	9.39E-03	1788.0143	658.8306	2446.8450		
	7/25/2008 20:00	79	207	2000	6.184	6.184		0.5847	6.15E-03	1170.5037	431.2962	1601.7999		
	7/25/2008 21:00	80	207	2100	7.391	7.391		0.3259	2.99E-03	570.0511	210.0471	780.0982		
	7/25/2008 22:00	81	207	2200	8.53	8.53		0.1489	1.14E-03	217.2854	80.0633	297.3486		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	8.84	8.84		0.1086	7.74E-04	147.3464	54.2928	201.6392		
	7/26/2008 0:00	83	208	0	8.9	8.9	8.90	0.1011	7.09E-04	134.9646	49.7305	184.6950		
	7/26/2008 1:00	84	208	100	8.89	8.89		0.1024	7.19E-04	137.0024	50.4814	187.4838		
	7/26/2008 2:00	85	208	200	8.85	8.85		0.1073	7.63E-04	145.2570	53.5229	198.7799		
	7/26/2008 3:00	86	208	300	8.8	8.8		0.1136	8.18E-04	155.8074	57.4105	213.2179		
	7/26/2008 4:00	87	208	400	8.74	8.74		0.1213	8.87E-04	168.8097	62.2014	231.0111		
	7/26/2008 5:00	88	208	500	8.67	8.67		0.1303	9.69E-04	184.4524	67.9653	252.4177		
	7/26/2008 6:00	89	208	600	8.62	8.62		0.1369	1.03E-03	195.9402	72.1982	268.1385		
	7/26/2008 7:00	90	208	700	8.51	8.51		0.1516	1.17E-03	222.1463	81.8544	304.0006		
	7/26/2008 8:00	91	208	800	8.3	8.3		0.1807	1.45E-03	275.8224	101.6324	377.4549		
	7/26/2008 9:00	92	208	900	6.881	6.881		0.4242	4.14E-03	788.4977	290.5382	1079.0359		
	7/26/2008 10:00	93	208	1000	5.052	5.052		0.9398	1.10E-02	2099.2669	773.5181	2872.7850		
	7/26/2008 11:00	94	208	1100	5.198	5.198		0.8853	1.02E-02	1950.4696	718.6906	2669.1602		
	7/26/2008 12:00	95	208	1200	5.428	5.428		0.8055	9.12E-03	1736.1289	639.7124	2375.8413		
	7/26/2008 13:00	96	208	1300	4.887	4.887		1.0053	1.20E-02	2280.7784	840.3997	3121.1781		
	7/26/2008 14:00	97	208	1400	4.902	4.902		0.9992	1.19E-02	2263.6534	834.0896	3097.7430		
	7/26/2008 15:00	98	208	1500	4.91	4.91		0.9959	1.18E-02	2254.5727	830.7437	3085.3163		
	7/26/2008 16:00	99	208	1600	4.958	4.958		0.9766	1.16E-02	2200.8454	810.9467	3011.7921		
	7/26/2008 17:00	100	208	1700	4.896	4.896		1.0016	1.19E-02	2270.4879	836.6080	3107.0959		
	7/26/2008 18:00	101	208	1800	5.086	5.086		0.9269	1.08E-02	2063.6670	760.4006	2824.0676		
	7/26/2008 19:00	102	208	1900	5.179	5.179		0.8923	1.03E-02	1969.2444	725.6086	2694.8529		
	7/26/2008 20:00	103	208	2000	5.708	5.708		0.7169	7.90E-03	1504.2061	554.2557	2058.4618		
	7/26/2008 21:00	104	208	2100	7.073	7.073		0.3856	3.68E-03	700.9913	258.2947	959.2860		
	7/26/2008 22:00	105	208	2200	8.17	8.17		0.1995	1.64E-03	311.5329	114.7907	426.3236		
	7/26/2008 23:00	106	208	2300	8.52	8.52		0.1502	1.15E-03	219.7104	80.9568	300.6673		
	7/27/2008 0:00	107	209	0	8.61	8.61	8.75	0.1382	1.04E-03	198.2694	73.0565	271.3259		
	7/27/2008 1:00	108	209	100	8.63	8.63		0.1356	1.02E-03	193.6216	71.3439	264.9655		
	7/27/2008 2:00	109	209	200	8.62	8.62		0.1369	1.03E-03	195.9402	72.1982	268.1385		
	7/27/2008 3:00	110	209	300	8.61	8.61		0.1382	1.04E-03	198.2694	73.0565	271.3259		
	7/27/2008 4:00	111	209	400	8.64	8.64		0.1343	1.00E-03	191.3135	70.4934	261.8070		
	7/27/2008 5:00	112	209	500	8.73	8.73		0.1226	8.98E-04	171.0130	63.0133	234.0263		
	7/27/2008 6:00	113	209	600	8.75	8.75		0.1200	8.75E-04	166.6167	61.3933	228.0100		
	7/27/2008 7:00	114	209	700	8.72	8.72		0.1239	9.10E-04	173.2268	63.8290	237.0558		
	7/27/2008 8:00	115	209	800	8.36	8.36		0.1722	1.37E-03	259.9888	95.7982	355.7870		
	7/27/2008 9:00	116	209	900	5.981	5.981		0.6385	6.85E-03	1304.4211	480.6408	1785.0619		
	7/27/2008 10:00	117	209	1000	4.732	4.732		1.0710	1.29E-02	2465.5859	908.4958	3374.0818		
	7/27/2008 11:00	118	209	1100	4.807	4.807		1.0387	1.25E-02	2374.3372	874.8734	3249.2105		
	7/27/2008 12:00	119	209	1200	4.696	4.696		1.0869	1.32E-02	2510.6554	925.1026	3435.7580		
	7/27/2008 13:00	120	209	1300	4.791	4.791		1.0455	1.26E-02	2393.5100	881.9380	3275.4480		
	7/27/2008 14:00	121	209	1400	4.694	4.694		1.0878	1.32E-02	2513.1840	926.0343	3439.2184		
	7/27/2008 15:00	122	209	1500	4.677	4.677		1.0954	1.33E-02	2534.7842	933.9934	3468.7776		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.77	4.77		1.0545	1.27E-02	2418.9139	891.2986	3310.2125		
	7/27/2008 17:00	124	209	1700	4.812	4.812		1.0366	1.24E-02	2368.3777	872.6775	3241.0552		
	7/27/2008 18:00	125	209	1800	4.953	4.953		0.9786	1.16E-02	2206.3821	812.9869	3019.3690		
	7/27/2008 19:00	126	209	1900	5.101	5.101		0.9212	1.08E-02	2048.1481	754.6823	2802.8303		
	7/27/2008 20:00	127	209	2000	5.513	5.513		0.7776	8.73E-03	1662.5651	612.6063	2275.1714		
	7/27/2008 21:00	128	209	2100	6.552	6.552		0.4957	5.02E-03	955.1892	351.9591	1307.1483		
	7/27/2008 22:00	129	209	2200	7.558	7.558		0.2966	2.67E-03	507.6448	187.0522	694.6969		
	7/27/2008 23:00	130	209	2300	7.825	7.825		0.2524	2.19E-03	416.1120	153.3250	569.4370		
	7/28/2008 0:00	131	210	0	7.94	7.94	8.57	0.2343	1.99E-03	379.6101	139.8751	519.4852		
	7/28/2008 1:00	132	210	100	8.11	8.11		0.2084	1.73E-03	328.6777	121.1081	449.7857		
	7/28/2008 2:00	133	210	200	8.23	8.23		0.1908	1.55E-03	294.8096	108.6287	403.4383		
	7/28/2008 3:00	134	210	300	8.42	8.42		0.1639	1.28E-03	244.5560	90.1117	334.6677		
	7/28/2008 4:00	135	210	400	8.51	8.51		0.1516	1.17E-03	222.1463	81.8544	304.0006		
	7/28/2008 5:00	136	210	500	8.57	8.57		0.1435	1.09E-03	207.6922	76.5285	284.2206		
	7/28/2008 6:00	137	210	600	8.5	8.5		0.1529	1.18E-03	224.5928	82.7559	307.3487		
	7/28/2008 7:00	138	210	700	8.34	8.34		0.1751	1.39E-03	265.2219	97.7264	362.9483		
	7/28/2008 8:00	139	210	800	6.67	6.67		0.4693	4.69E-03	892.8172	328.9768	1221.7940		
	7/28/2008 9:00	140	210	900	5.016	5.016		0.9537	1.12E-02	2137.6134	787.6476	2925.2610		
	7/28/2008 10:00	141	210	1000	4.782	4.782		1.0494	1.26E-02	2404.3639	885.9373	3290.3013		
	7/28/2008 11:00	142	210	1100	4.872	4.872		1.0115	1.21E-02	2298.0333	846.7576	3144.7909		
	7/28/2008 12:00	143	210	1200	4.895	4.895		1.0020	1.19E-02	2271.6290	837.0284	3108.6574		
	7/28/2008 13:00	144	210	1300	4.903	4.903		0.9988	1.19E-02	2262.5163	833.6707	3096.1870		
	7/28/2008 14:00	145	210	1400	4.916	4.916		0.9935	1.18E-02	2247.7860	828.2430	3076.0290		
	7/28/2008 15:00	146	210	1500	4.905	4.905		0.9980	1.19E-02	2260.2438	832.8333	3093.0772		
	7/28/2008 16:00	147	210	1600	4.962	4.962		0.9750	1.15E-02	2196.4259	809.3183	3005.7442		
	7/28/2008 17:00	148	210	1700	4.944	4.944		0.9822	1.16E-02	2216.3830	816.6719	3033.0549		
	7/28/2008 18:00	149	210	1800	5.068	5.068		0.9337	1.09E-02	2082.4403	767.3180	2849.7582		
	7/28/2008 19:00	150	210	1900	5.241	5.241		0.8699	1.00E-02	1908.6047	703.2647	2611.8693		
	7/28/2008 20:00	151	210	2000	5.812	5.812		0.6862	7.48E-03	1425.2502	525.1628	1950.4130		
	7/28/2008 21:00	152	210	2100	7.214	7.214		0.3585	3.37E-03	640.8808	236.1457	877.0265		
	7/28/2008 22:00	153	210	2200	7.835	7.835		0.2508	2.17E-03	412.8703	152.1306	565.0009		
	7/28/2008 23:00	154	210	2300	7.979	7.979		0.2282	1.93E-03	367.6117	135.4541	503.0658		
	7/29/2008 0:00	155	211	0	8.16	8.16	8.78	0.2010	1.65E-03	314.3609	115.8327	430.1937		
	7/29/2008 1:00	156	211	100	8.39	8.39		0.1681	1.32E-03	252.2227	92.9366	345.1593		
	7/29/2008 2:00	157	211	200	8.58	8.58		0.1422	1.08E-03	205.3206	75.6546	280.9751		
	7/29/2008 3:00	158	211	300	8.65	8.65		0.1329	9.93E-04	189.0160	69.6468	258.6628		
	7/29/2008 4:00	159	211	400	8.75	8.75		0.1200	8.75E-04	166.6167	61.3933	228.0100		
	7/29/2008 5:00	160	211	500	8.78	8.78		0.1162	8.41E-04	160.1000	58.9921	219.0922		
	7/29/2008 6:00	161	211	600	8.72	8.72		0.1239	9.10E-04	173.2268	63.8290	237.0558		
	7/29/2008 7:00	162	211	700	8.55	8.55		0.1462	1.12E-03	212.4674	78.2880	290.7554		
	7/29/2008 8:00	163	211	800	7.764	7.764		0.2622	2.29E-03	436.1707	160.7161	596.8868		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.688	5.688		0.7229	7.98E-03	1519.8141	560.0068	2079.8209		
	7/29/2008 10:00	165	211	1000	5.039	5.039		0.9448	1.11E-02	2113.0360	778.5916	2891.6276		
	7/29/2008 11:00	166	211	1100	5.411	5.411		0.8111	9.20E-03	1751.1919	645.2627	2396.4545		
	7/29/2008 12:00	167	211	1200	4.909	4.909		0.9963	1.18E-02	2255.7058	831.1612	3086.8669		
	7/29/2008 13:00	168	211	1300	5.034	5.034		0.9468	1.11E-02	2118.3553	780.5516	2898.9069		
	7/29/2008 14:00	169	211	1400	4.906	4.906		0.9976	1.19E-02	2259.1085	832.4150	3091.5234		
	7/29/2008 15:00	170	211	1500	5.131	5.131		0.9100	1.06E-02	2017.4476	743.3701	2760.8176		
	7/29/2008 16:00	171	211	1600	5.218	5.218		0.8781	1.01E-02	1930.8905	711.4763	2642.3668		
	7/29/2008 17:00	172	211	1700	5.409	5.409		0.8118	9.21E-03	1752.9718	645.9185	2398.8903		
	7/29/2008 18:00	173	211	1800	5.373	5.373		0.8239	9.38E-03	1785.2960	657.8290	2443.1251		
	7/29/2008 19:00	174	211	1900	5.447	5.447		0.7992	9.03E-03	1719.4338	633.5608	2352.9946		
	7/29/2008 20:00	175	211	2000	6.295	6.295		0.5568	5.79E-03	1102.0303	406.0657	1508.0961		
	7/29/2008 21:00	176	211	2100	7.677	7.677		0.2765	2.45E-03	465.6408	171.5749	637.2157		
	7/29/2008 22:00	177	211	2200	8.43	8.43		0.1625	1.27E-03	242.0224	89.1781	331.2006		
	7/29/2008 23:00	178	211	2300	8.74	8.74		0.1213	8.87E-04	168.8097	62.2014	231.0111		
	7/30/2008 0:00	179	212	0	8.86	8.86	8.88	0.1061	7.52E-04	143.1778	52.7568	195.9347		
	7/30/2008 1:00	180	212	100	8.87	8.87		0.1048	7.41E-04	141.1091	51.9945	193.1036		
	7/30/2008 2:00	181	212	200	8.88	8.88		0.1036	7.30E-04	139.0506	51.2360	190.2866		
	7/30/2008 3:00	182	212	300	8.81	8.81		0.1124	8.07E-04	153.6767	56.6253	210.3020		
	7/30/2008 4:00	183	212	400	8.73	8.73		0.1226	8.98E-04	171.0130	63.0133	234.0263		
	7/30/2008 5:00	184	212	500	8.7	8.7		0.1264	9.33E-04	177.6857	65.4720	243.1577		
	7/30/2008 6:00	185	212	600	8.68	8.68		0.1290	9.57E-04	182.1864	67.1303	249.3167		
	7/30/2008 7:00	186	212	700	8.68	8.68		0.1290	9.57E-04	182.1864	67.1303	249.3167		
	7/30/2008 8:00	187	212	800	8.51	8.51		0.1516	1.17E-03	222.1463	81.8544	304.0006		
	7/30/2008 9:00	188	212	900	7.046	7.046		0.3909	3.74E-03	712.8934	262.6802	975.5736		
	7/30/2008 10:00	189	212	1000	4.827	4.827		1.0302	1.23E-02	2350.5902	866.1233	3216.7135		
	7/30/2008 11:00	190	212	1100	4.809	4.809		1.0378	1.25E-02	2371.9516	873.9943	3245.9459		
	7/30/2008 12:00	191	212	1200	4.808	4.808		1.0383	1.25E-02	2373.1441	874.4337	3247.5778		
	7/30/2008 13:00	192	212	1300	4.835	4.835		1.0269	1.23E-02	2341.1589	862.6481	3203.8070		
	7/30/2008 14:00	193	212	1400	4.841	4.841		1.0244	1.23E-02	2334.1105	860.0510	3194.1615		
	7/30/2008 15:00	194	212	1500	4.959	4.959		0.9762	1.16E-02	2199.7397	810.5393	3010.2790		
	7/30/2008 16:00	195	212	1600	4.868	4.868		1.0131	1.21E-02	2302.6567	848.4612	3151.1179		
	7/30/2008 17:00	196	212	1700	4.898	4.898		1.0008	1.19E-02	2268.2074	835.7677	3103.9751		
	7/30/2008 18:00	197	212	1800	5.082	5.082		0.9284	1.09E-02	2067.8246	761.9325	2829.7571		
	7/30/2008 19:00	198	212	1900	5.183	5.183		0.8908	1.03E-02	1965.2775	724.1469	2689.4244		
	7/30/2008 20:00	199	212	2000	5.754	5.754		0.7032	7.71E-03	1468.8326	541.2216	2010.0542		
	7/30/2008 21:00	200	212	2100	7.113	7.113		0.3778	3.59E-03	683.5934	251.8840	935.4774		
	7/30/2008 22:00	201	212	2200	8.12	8.12		0.2069	1.71E-03	325.7906	120.0443	445.8349		
	7/30/2008 23:00	202	212	2300	8.47	8.47		0.1570	1.22E-03	231.9975	85.4842	317.4817		
	7/31/2008 0:00	203	213	0	8.63	8.63	8.73	0.1356	1.02E-03	193.6216	71.3439	264.9655		
	7/31/2008 1:00	204	213	100	8.72	8.72		0.1239	9.10E-04	173.2268	63.8290	237.0558		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	8.73	8.73		0.1226	8.98E-04	171.0130	63.0133	234.0263		
	7/31/2008 3:00	206	213	300	8.7	8.7		0.1264	9.33E-04	177.6857	65.4720	243.1577		
	7/31/2008 4:00	207	213	400	8.71	8.71		0.1251	9.21E-04	175.4511	64.6486	240.0996		
	7/31/2008 5:00	208	213	500	8.72	8.72		0.1239	9.10E-04	173.2268	63.8290	237.0558		
	7/31/2008 6:00	209	213	600	8.66	8.66		0.1316	9.81E-04	186.7290	68.8041	255.5331		
	7/31/2008 7:00	210	213	700	8.58	8.58		0.1422	1.08E-03	205.3206	75.6546	280.9751		
	7/31/2008 8:00	211	213	800	8.4	8.4		0.1667	1.31E-03	249.6561	91.9909	341.6470		
	7/31/2008 9:00	212	213	900	6.656	6.656		0.4724	4.73E-03	900.0606	331.6458	1231.7065		
	7/31/2008 10:00	213	213	1000	4.747	4.747		1.0645	1.29E-02	2447.0535	901.6672	3348.7207		
	7/31/2008 11:00	214	213	1100	4.884	4.884		1.0066	1.20E-02	2284.2190	841.6675	3125.8864		
	7/31/2008 12:00	215	213	1200	4.689	4.689		1.0900	1.32E-02	2519.5172	928.3679	3447.8851		
	7/31/2008 13:00	216	213	1300	4.92	4.92		0.9919	1.18E-02	2243.2729	826.5800	3069.8529		
	7/31/2008 14:00	217	213	1400	4.717	4.717		1.0776	1.30E-02	2484.2627	915.3777	3399.6403		
	7/31/2008 15:00	218	213	1500	4.766	4.766		1.0562	1.27E-02	2423.7839	893.0930	3316.8769		
	7/31/2008 16:00	219	213	1600	4.886	4.886		1.0057	1.20E-02	2281.9247	840.8221	3122.7468		
	7/31/2008 17:00	220	213	1700	4.869	4.869		1.0127	1.21E-02	2301.5000	848.0350	3149.5350		
	7/31/2008 18:00	221	213	1800	5.013	5.013		0.9549	1.12E-02	2140.8397	788.8364	2929.6761		
	7/31/2008 19:00	222	213	1900	5.232	5.232		0.8731	1.01E-02	1917.2961	706.4672	2623.7633		
	7/31/2008 20:00	223	213	2000	6.064	6.064		0.6161	6.56E-03	1248.2531	459.9445	1708.1976		
	7/31/2008 21:00	224	213	2100	6.938	6.938		0.4125	4.00E-03	761.8110	280.7049	1042.5159		
	7/31/2008 22:00	225	213	2200	7.602	7.602		0.2891	2.58E-03	491.8812	181.2437	673.1250		
	7/31/2008 23:00	226	213	2300	7.447	7.447		0.3160	2.88E-03	548.6608	202.1653	750.8261		
	8/1/2008 0:00	227	214	0	7.744	7.744	8.74	0.2655	2.33E-03	442.8549	163.1790	606.0339		
	8/1/2008 1:00	228	214	100	8.26	8.26		0.1864	1.51E-03	286.6038	105.6051	392.2088		
	8/1/2008 2:00	229	214	200	8.53	8.53		0.1489	1.14E-03	217.2854	80.0633	297.3486		
	8/1/2008 3:00	230	214	300	8.54	8.54		0.1475	1.13E-03	214.8710	79.1736	294.0447		
	8/1/2008 4:00	231	214	400	8.63	8.63		0.1356	1.02E-03	193.6216	71.3439	264.9655		
	8/1/2008 5:00	232	214	500	8.71	8.71		0.1251	9.21E-04	175.4511	64.6486	240.0996		
	8/1/2008 6:00	233	214	600	8.74	8.74		0.1213	8.87E-04	168.8097	62.2014	231.0111		
	8/1/2008 7:00	234	214	700	8.7	8.7		0.1264	9.33E-04	177.6857	65.4720	243.1577		
	8/1/2008 8:00	235	214	800	8.52	8.52		0.1502	1.15E-03	219.7104	80.9568	300.6673		
	8/1/2008 9:00	236	214	900	6.816	6.816		0.4378	4.30E-03	819.6884	302.0310	1121.7194		
	8/1/2008 10:00	237	214	1000	4.812	4.812		1.0366	1.24E-02	2368.3777	872.6775	3241.0552		
	8/1/2008 11:00	238	214	1100	4.948	4.948		0.9806	1.16E-02	2211.9326	815.0321	3026.9647		
	8/1/2008 12:00	239	214	1200	4.901	4.901		0.9996	1.19E-02	2264.7910	834.5088	3099.2999		
	8/1/2008 13:00	240	214	1300	4.843	4.843		1.0235	1.22E-02	2331.7658	859.1871	3190.9529		
	8/1/2008 14:00	241	214	1400	4.85	4.85		1.0206	1.22E-02	2323.5781	856.1701	3179.7482		
	8/1/2008 15:00	242	214	1500	4.83	4.83		1.0290	1.23E-02	2347.0489	864.8185	3211.8674		
	8/1/2008 16:00	243	214	1600	4.925	4.925		0.9898	1.18E-02	2237.6442	824.5060	3062.1502		
	8/1/2008 17:00	244	214	1700	4.956	4.956		0.9774	1.16E-02	2203.0584	811.7622	3014.8206		
	8/1/2008 18:00	245	214	1800	5.041	5.041		0.9441	1.11E-02	2110.9120	777.8089	2888.7209		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.245	5.245		0.8684	1.00E-02	1904.7538	701.8457	2606.5995		
	8/1/2008 20:00	247	214	2000	6.011	6.011		0.6303	6.74E-03	1283.8867	473.0745	1756.9612		
	8/1/2008 21:00	248	214	2100	7.551	7.551		0.2978	2.68E-03	510.1782	187.9856	698.1638		
	8/1/2008 22:00	249	214	2200	8.49	8.49		0.1543	1.19E-03	227.0502	83.6613	310.7116		
	8/1/2008 23:00	250	214	2300	8.72	8.72		0.1239	9.10E-04	173.2268	63.8290	237.0558		
	8/2/2008 0:00	251	215	0	8.72	8.72	8.84	0.1239	9.10E-04	173.2268	63.8290	237.0558		
	8/2/2008 1:00	252	215	100	8.75	8.75		0.1200	8.75E-04	166.6167	61.3933	228.0100		
	8/2/2008 2:00	253	215	200	8.84	8.84		0.1086	7.74E-04	147.3464	54.2928	201.6392		
	8/2/2008 3:00	254	215	300	8.82	8.82		0.1111	7.96E-04	151.5562	55.8440	207.4003		
	8/2/2008 4:00	255	215	400	8.68	8.68		0.1290	9.57E-04	182.1864	67.1303	249.3167		
	8/2/2008 5:00	256	215	500	8.56	8.56		0.1449	1.10E-03	210.0745	77.4063	287.4807		
	8/2/2008 6:00	257	215	600	8.52	8.52		0.1502	1.15E-03	219.7104	80.9568	300.6673		
	8/2/2008 7:00	258	215	700	8.4	8.4		0.1667	1.31E-03	249.6561	91.9909	341.6470		
	8/2/2008 8:00	259	215	800	6.966	6.966		0.4068	3.93E-03	748.9243	275.9566	1024.8808		
	8/2/2008 9:00	260	215	900	5.091	5.091		0.9250	1.08E-02	2058.4814	758.4898	2816.9713		
	8/2/2008 10:00	261	215	1000	5.132	5.132		0.9096	1.06E-02	2016.4319	742.9958	2759.4277		
	8/2/2008 11:00	262	215	1100	5.048	5.048		0.9414	1.10E-02	2103.4942	775.0757	2878.5699		
	8/2/2008 12:00	263	215	1200	5	5		0.9600	1.13E-02	2154.8758	794.0083	2948.8841		
	8/2/2008 13:00	264	215	1300	4.983	4.983		0.9667	1.14E-02	2173.3672	800.8219	2974.1891		
	8/2/2008 14:00	265	215	1400	5.009	5.009		0.9565	1.13E-02	2145.1489	790.4242	2935.5731		
	8/2/2008 15:00	266	215	1500	4.993	4.993		0.9627	1.14E-02	2162.4711	796.8069	2959.2780		
	8/2/2008 16:00	267	215	1600	5.046	5.046		0.9421	1.11E-02	2105.6110	775.8557	2881.4666		
	8/2/2008 17:00	268	215	1700	5.038	5.038		0.9452	1.11E-02	2114.0989	778.9832	2893.0821		
	8/2/2008 18:00	269	215	1800	5.199	5.199		0.8850	1.02E-02	1949.4861	718.3283	2667.8144		
	8/2/2008 19:00	270	215	1900	5.336	5.336		0.8366	9.55E-03	1819.0898	670.2811	2489.3709		
	8/2/2008 20:00	271	215	2000	5.948	5.948		0.6476	6.97E-03	1327.3196	489.0782	1816.3978		
	8/2/2008 21:00	272	215	2100	7.03	7.03		0.3940	3.78E-03	720.0074	265.3015	985.3089		
	8/2/2008 22:00	273	215	2200	7.872	7.872		0.2449	2.11E-03	400.9889	147.7526	548.7415		
	8/2/2008 23:00	274	215	2300	8.23	8.23		0.1908	1.55E-03	294.8096	108.6287	403.4383		
	8/3/2008 0:00	275	216	0	8.32	8.32	8.84	0.1779	1.42E-03	270.4996	99.6712	370.1708		
	8/3/2008 1:00	276	216	100	8.28	8.28		0.1836	1.48E-03	281.1904	103.6104	384.8008		
	8/3/2008 2:00	277	216	200	8.46	8.46		0.1584	1.23E-03	234.4874	86.4017	320.8891		
	8/3/2008 3:00	278	216	300	8.62	8.62		0.1369	1.03E-03	195.9402	72.1982	268.1385		
	8/3/2008 4:00	279	216	400	8.76	8.76		0.1187	8.64E-04	164.4341	60.5891	225.0232		
	8/3/2008 5:00	280	216	500	8.84	8.84		0.1086	7.74E-04	147.3464	54.2928	201.6392		
	8/3/2008 6:00	281	216	600	8.81	8.81		0.1124	8.07E-04	153.6767	56.6253	210.3020		
	8/3/2008 7:00	282	216	700	8.62	8.62		0.1369	1.03E-03	195.9402	72.1982	268.1385		
	8/3/2008 8:00	283	216	800	7.062	7.062		0.3877	3.71E-03	705.8248	260.0757	965.9004		
	8/3/2008 9:00	284	216	900	5.061	5.061		0.9364	1.10E-02	2089.7857	770.0245	2859.8102		
	8/3/2008 10:00	285	216	1000	4.951	4.951		0.9794	1.16E-02	2208.6006	813.8043	3022.4050		
	8/3/2008 11:00	286	216	1100	4.945	4.945		0.9818	1.16E-02	2215.2696	816.2616	3031.5312		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	4.932	4.932		0.9870	1.17E-02	2229.7876	821.6111	3051.3988		
	8/3/2008 13:00	288	216	1300	4.937	4.937		0.9850	1.17E-02	2224.1926	819.5495	3043.7421		
	8/3/2008 14:00	289	216	1400	4.975	4.975		0.9698	1.15E-02	2182.1232	804.0482	2986.1713		
	8/3/2008 15:00	290	216	1500	5.061	5.061		0.9364	1.10E-02	2089.7857	770.0245	2859.8102		
	8/3/2008 16:00	291	216	1600	5.141	5.141		0.9062	1.05E-02	2007.3129	739.6357	2746.9486		
	8/3/2008 17:00	292	216	1700	5.092	5.092		0.9246	1.08E-02	2057.4458	758.1082	2815.5541		
	8/3/2008 18:00	293	216	1800	5.246	5.246		0.8681	1.00E-02	1903.7922	701.4914	2605.2836		
	8/3/2008 19:00	294	216	1900	5.309	5.309		0.8459	9.68E-03	1844.1234	679.5052	2523.6286		
	8/3/2008 20:00	295	216	2000	5.729	5.729		0.7106	7.81E-03	1487.9673	548.2721	2036.2394		
	8/3/2008 21:00	296	216	2100	6.629	6.629		0.4784	4.80E-03	914.1478	336.8366	1250.9843		
	8/3/2008 22:00	297	216	2200	7.277	7.277		0.3467	3.23E-03	615.0963	226.6449	841.7412		
	8/3/2008 23:00	298	216	2300	7.332	7.332		0.3366	3.11E-03	593.1088	218.5431	811.6520		
	8/4/2008 0:00	299	217	0	7.321	7.321	8.34	0.3386	3.14E-03	597.4679	220.1493	817.6172		
	8/4/2008 1:00	300	217	100	7.344	7.344		0.3344	3.09E-03	588.3752	216.7989	805.1741		
	8/4/2008 2:00	301	217	200	7.008	7.008		0.3984	3.83E-03	729.8639	268.9334	998.7973		
	8/4/2008 3:00	302	217	300	6.792	6.792		0.4429	4.37E-03	831.4138	306.3515	1137.7653		
	8/4/2008 4:00	303	217	400	6.593	6.593		0.4864	4.90E-03	933.1746	343.8474	1277.0220		
	8/4/2008 5:00	304	217	500	6.794	6.794		0.4424	4.36E-03	830.4323	305.9899	1136.4222		
	8/4/2008 6:00	305	217	600	7.252	7.252		0.3514	3.28E-03	625.2509	230.3865	855.6374		
	8/4/2008 7:00	306	217	700	7.255	7.255		0.3508	3.28E-03	624.0270	229.9356	853.9625		
	8/4/2008 8:00	307	217	800	6.867	6.867		0.4271	4.18E-03	795.1467	292.9882	1088.1349		
	8/4/2008 9:00	308	217	900	6.327	6.327		0.5489	5.69E-03	1082.8777	399.0086	1481.8862		
	8/4/2008 10:00	309	217	1000	5.631	5.631		0.7404	8.22E-03	1565.0738	576.6836	2141.7575		
	8/4/2008 11:00	310	217	1100	5.372	5.372		0.8243	9.38E-03	1786.2017	658.1628	2444.3645		
	8/4/2008 12:00	311	217	1200	5.164	5.164		0.8978	1.04E-02	1984.1882	731.1149	2715.3031		
	8/4/2008 13:00	312	217	1300	5.119	5.119		0.9144	1.07E-02	2029.6742	747.8752	2777.5493		
	8/4/2008 14:00	313	217	1400	5.458	5.458		0.7955	8.98E-03	1709.8351	630.0239	2339.8591		
	8/4/2008 15:00	314	217	1500	5.783	5.783		0.6946	7.60E-03	1446.9014	533.1406	1980.0419		
	8/4/2008 16:00	315	217	1600	5.277	5.277		0.8571	9.84E-03	1874.2088	690.5908	2564.7995		
	8/4/2008 17:00	316	217	1700	5.175	5.175		0.8937	1.04E-02	1973.2188	727.0731	2700.2919		
	8/4/2008 18:00	317	217	1800	5.323	5.323		0.8411	9.62E-03	1831.1033	674.7077	2505.8110		
	8/4/2008 19:00	318	217	1900	5.523	5.523		0.7744	8.69E-03	1654.0982	609.4865	2263.5847		
	8/4/2008 20:00	319	217	2000	6.163	6.163		0.5901	6.22E-03	1183.8241	436.2044	1620.0285		
	8/4/2008 21:00	320	217	2100	7.533	7.533		0.3009	2.71E-03	516.7252	190.3980	707.1232		
	8/4/2008 22:00	321	217	2200	8.16	8.16		0.2010	1.65E-03	314.3609	115.8327	430.1937		
	8/4/2008 23:00	322	217	2300	8.34	8.34		0.1751	1.39E-03	265.2219	97.7264	362.9483		
	8/5/2008 0:00	323	218	0	8.57	8.57	9.06	0.1435	1.09E-03	207.6922	76.5285	284.2206		
	8/5/2008 1:00	324	218	100	8.71	8.71		0.1251	9.21E-04	175.4511	64.6486	240.0996		
	8/5/2008 2:00	325	218	200	8.78	8.78		0.1162	8.41E-04	160.1000	58.9921	219.0922		
	8/5/2008 3:00	326	218	300	8.74	8.74		0.1213	8.87E-04	168.8097	62.2014	231.0111		
	8/5/2008 4:00	327	218	400	8.52	8.52		0.1502	1.15E-03	219.7104	80.9568	300.6673		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.43	8.43		0.1625	1.27E-03	242.0224	89.1781	331.2006		
	8/5/2008 6:00	329	218	600	8.52	8.52		0.1502	1.15E-03	219.7104	80.9568	300.6673		
	8/5/2008 7:00	330	218	700	8.57	8.57		0.1435	1.09E-03	207.6922	76.5285	284.2206		
	8/5/2008 8:00	331	218	800	8.39	8.39		0.1681	1.32E-03	252.2227	92.9366	345.1593		
	8/5/2008 9:00	332	218	900	6.78	6.78		0.4454	4.40E-03	837.3194	308.5275	1145.8469		
	8/5/2008 10:00	333	218	1000	5.47	5.47		0.7916	8.92E-03	1699.4193	626.1860	2325.6053		
	8/5/2008 11:00	334	218	1100	5.83	5.83		0.6810	7.42E-03	1411.9505	520.2622	1932.2127		
	8/5/2008 12:00	335	218	1200	5.564	5.564		0.7613	8.51E-03	1619.7858	596.8434	2216.6291		
	8/5/2008 13:00	336	218	1300	5.229	5.229		0.8742	1.01E-02	1920.2015	707.5378	2627.7393		
	8/5/2008 14:00	337	218	1400	5.713	5.713		0.7154	7.88E-03	1500.3259	552.8259	2053.1518		
	8/5/2008 15:00	338	218	1500	6.073	6.073		0.6137	6.52E-03	1242.2824	457.7445	1700.0269		
	8/5/2008 16:00	339	218	1600	5.848	5.848		0.6758	7.35E-03	1398.7559	515.4004	1914.1563		
	8/5/2008 17:00	340	218	1700	5.538	5.538		0.7696	8.62E-03	1641.4703	604.8335	2246.3037		
	8/5/2008 18:00	341	218	1800	5.296	5.296		0.8505	9.75E-03	1856.2907	683.9885	2540.2792		
	8/5/2008 19:00	342	218	1900	5.389	5.389		0.8185	9.30E-03	1770.8627	652.5108	2423.3735		
	8/5/2008 20:00	343	218	2000	6.294	6.294		0.5570	5.79E-03	1102.6330	406.2878	1508.9208		
	8/5/2008 21:00	344	218	2100	7.963	7.963		0.2307	1.96E-03	372.5112	137.2594	509.7706		
	8/5/2008 22:00	345	218	2200	8.8	8.8		0.1136	8.18E-04	155.8074	57.4105	213.2179		
	8/5/2008 23:00	346	218	2300	9.06	9.06		0.0817	5.45E-04	103.7638	38.2339	141.9977		
	8/6/2008 0:00	347	219	0	9.2	9.2	9.24	0.0652	4.13E-04	78.6553	28.9821	107.6374		
	8/6/2008 1:00	348	219	100	9.24	9.24		0.0606	3.77E-04	71.8660	26.4805	98.3465		
	8/6/2008 2:00	349	219	200	9.22	9.22		0.0629	3.95E-04	75.2389	27.7233	102.9622		
	8/6/2008 3:00	350	219	300	9.17	9.17		0.0687	4.40E-04	83.8606	30.9002	114.7607		
	8/6/2008 4:00	351	219	400	9.11	9.11		0.0757	4.97E-04	94.5589	34.8422	129.4011		
	8/6/2008 5:00	352	219	500	9.05	9.05		0.0829	5.55E-04	105.6361	38.9238	144.5599		
	8/6/2008 6:00	353	219	600	8.94	8.94		0.0962	6.67E-04	126.9163	46.7649	173.6812		
	8/6/2008 7:00	354	219	700	8.83	8.83		0.1099	7.85E-04	149.4461	55.0665	204.5127		
	8/6/2008 8:00	355	219	800	8.65	8.65		0.1329	9.93E-04	189.0160	69.6468	258.6628		
	8/6/2008 9:00	356	219	900	8.06	8.06		0.2159	1.80E-03	343.2923	126.4931	469.7854		
	8/6/2008 10:00	357	219	1000	5.566	5.566		0.7607	8.50E-03	1618.1284	596.2327	2214.3610		
	8/6/2008 11:00	358	219	1100	4.75	4.75		1.0632	1.28E-02	2443.3642	900.3078	3343.6720		
	8/6/2008 12:00	359	219	1200	5.405	5.405		0.8131	9.22E-03	1756.5367	647.2321	2403.7688		
	8/6/2008 13:00	360	219	1300	5.759	5.759		0.7017	7.69E-03	1465.0312	539.8209	2004.8521		
	8/6/2008 14:00	361	219	1400	5.265	5.265		0.8613	9.90E-03	1885.6088	694.7913	2580.4001		
	8/6/2008 15:00	362	219	1500	5.054	5.054		0.9391	1.10E-02	2097.1564	772.7404	2869.8968		
	8/6/2008 16:00	363	219	1600	5.142	5.142		0.9059	1.05E-02	2006.3021	739.2633	2745.5654		
	8/6/2008 17:00	364	219	1700	5.071	5.071		0.9326	1.09E-02	2079.2999	766.1608	2845.4608		
	8/6/2008 18:00	365	219	1800	5.612	5.612		0.7463	8.30E-03	1580.4207	582.3385	2162.7593		
	8/6/2008 19:00	366	219	1900	5.606	5.606		0.7481	8.33E-03	1585.2946	584.1344	2169.4290		
	8/6/2008 20:00	367	219	2000	6.008	6.008		0.6312	6.75E-03	1285.9282	473.8267	1759.7549		
	8/6/2008 21:00	368	219	2100	7.511	7.511		0.3048	2.76E-03	524.7910	193.3700	718.1610		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.63	8.63		0.1356	1.02E-03	193.6216	71.3439	264.9655		
	8/6/2008 23:00	370	219	2300	8.97	8.97		0.0925	6.35E-04	120.9885	44.5807	165.5692		
	8/7/2008 0:00	371	220	0	9.09	9.09	9.12	0.0781	5.16E-04	98.2094	36.1873	134.3967		
	8/7/2008 1:00	372	220	100	9.12	9.12		0.0746	4.87E-04	92.7494	34.1754	126.9248		
	8/7/2008 2:00	373	220	200	9.12	9.12		0.0746	4.87E-04	92.7494	34.1754	126.9248		
	8/7/2008 3:00	374	220	300	9.07	9.07		0.0805	5.35E-04	101.9019	37.5478	139.4497		
	8/7/2008 4:00	375	220	400	9.02	9.02		0.0865	5.85E-04	111.3155	41.0165	152.3320		
	8/7/2008 5:00	376	220	500	8.94	8.94		0.0962	6.67E-04	126.9163	46.7649	173.6812		
	8/7/2008 6:00	377	220	600	8.87	8.87		0.1048	7.41E-04	141.1091	51.9945	193.1036		
	8/7/2008 7:00	378	220	700	8.8	8.8		0.1136	8.18E-04	155.8074	57.4105	213.2179		
	8/7/2008 8:00	379	220	800	8.56	8.56		0.1449	1.10E-03	210.0745	77.4063	287.4807		
	8/7/2008 9:00	380	220	900	7.279	7.279		0.3463	3.23E-03	614.2883	226.3472	840.6354		
	8/7/2008 10:00	381	220	1000	4.877	4.877		1.0094	1.20E-02	2292.2672	844.6330	3136.9002		
	8/7/2008 11:00	382	220	1100	4.658	4.658		1.1039	1.34E-02	2559.1537	942.9728	3502.1265		
	8/7/2008 12:00	383	220	1200	4.684	4.684		1.0922	1.33E-02	2525.8668	930.7076	3456.5744		
	8/7/2008 13:00	384	220	1300	4.7	4.7		1.0851	1.32E-02	2505.6060	923.2420	3428.8480		
	8/7/2008 14:00	385	220	1400	4.752	4.752		1.0623	1.28E-02	2440.9078	899.4027	3340.3105		
	8/7/2008 15:00	386	220	1500	4.798	4.798		1.0425	1.25E-02	2385.1026	878.8401	3263.9427		
	8/7/2008 16:00	387	220	1600	4.8	4.8		1.0417	1.25E-02	2382.7060	877.9570	3260.6630		
	8/7/2008 17:00	388	220	1700	4.784	4.784		1.0485	1.26E-02	2401.9476	885.0470	3286.9946		
	8/7/2008 18:00	389	220	1800	4.949	4.949		0.9802	1.16E-02	2210.8214	814.6226	3025.4440		
	8/7/2008 19:00	390	220	1900	5.161	5.161		0.8989	1.04E-02	1987.1899	732.2210	2719.4109		
	8/7/2008 20:00	391	220	2000	5.8	5.8		0.6897	7.53E-03	1434.1756	528.4515	1962.6271		
	8/7/2008 21:00	392	220	2100	7.304	7.304		0.3417	3.17E-03	604.2423	222.6455	826.8878		
	8/7/2008 22:00	393	220	2200	8.23	8.23		0.1908	1.55E-03	294.8096	108.6287	403.4383		
	8/7/2008 23:00	394	220	2300	8.61	8.61		0.1382	1.04E-03	198.2694	73.0565	271.3259		
	8/8/2008 0:00	395	221	0	8.82	8.82	8.87	0.1111	7.96E-04	151.5562	55.8440	207.4003		
	8/8/2008 1:00	396	221	100	8.83	8.83		0.1099	7.85E-04	149.4461	55.0665	204.5127		
	8/8/2008 2:00	397	221	200	8.85	8.85		0.1073	7.63E-04	145.2570	53.5229	198.7799		
	8/8/2008 3:00	398	221	300	8.87	8.87		0.1048	7.41E-04	141.1091	51.9945	193.1036		
	8/8/2008 4:00	399	221	400	8.87	8.87		0.1048	7.41E-04	141.1091	51.9945	193.1036		
	8/8/2008 5:00	400	221	500	8.86	8.86		0.1061	7.52E-04	143.1778	52.7568	195.9347		
	8/8/2008 6:00	401	221	600	8.77	8.77		0.1174	8.52E-04	162.2619	59.7887	222.0506		
	8/8/2008 7:00	402	221	700	8.7	8.7		0.1264	9.33E-04	177.6857	65.4720	243.1577		
	8/8/2008 8:00	403	221	800	8.46	8.46		0.1584	1.23E-03	234.4874	86.4017	320.8891		
	8/8/2008 9:00	404	221	900	6.232	6.232		0.5725	5.99E-03	1140.4991	420.2404	1560.7395		
	8/8/2008 10:00	405	221	1000	4.691	4.691		1.0891	1.32E-02	2516.9819	927.4338	3444.4157		
	8/8/2008 11:00	406	221	1100	4.884	4.884		1.0066	1.20E-02	2284.2190	841.6675	3125.8864		
	8/8/2008 12:00	407	221	1200	4.76	4.76		1.0588	1.28E-02	2431.1076	895.7916	3326.8992		
	8/8/2008 13:00	408	221	1300	4.73	4.73		1.0719	1.30E-02	2468.0678	909.4103	3377.4781		
	8/8/2008 14:00	409	221	1400	4.723	4.723		1.0750	1.30E-02	2476.7745	912.6185	3389.3931		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	4.752	4.752		1.0623	1.28E-02	2440.9078	899.4027	3340.3105		
	8/8/2008 16:00	411	221	1600	4.791	4.791		1.0455	1.26E-02	2393.5100	881.9380	3275.4480		
	8/8/2008 17:00	412	221	1700	4.913	4.913		0.9947	1.18E-02	2251.1768	829.4924	3080.6692		
	8/8/2008 18:00	413	221	1800	5.222	5.222		0.8767	1.01E-02	1926.9971	710.0417	2637.0388		
	8/8/2008 19:00	414	221	1900	5.188	5.188		0.8890	1.03E-02	1960.3297	722.3238	2682.6535		
	8/8/2008 20:00	415	221	2000	5.96	5.96		0.6443	6.93E-03	1318.9549	485.9961	1804.9509		
	8/8/2008 21:00	416	221	2100	7.331	7.331		0.3368	3.12E-03	593.5043	218.6889	812.1932		
	8/8/2008 22:00	417	221	2200	8.07	8.07		0.2144	1.79E-03	340.3453	125.4072	465.7525		
	8/8/2008 23:00	418	221	2300	8.25	8.25		0.1879	1.52E-03	289.3276	106.6087	395.9363		
	8/9/2008 0:00	419	222	0	8.2	8.2	9.01	0.1951	1.59E-03	303.1190	111.6904	414.8095		
	8/9/2008 1:00	420	222	100	8.05	8.05		0.2174	1.82E-03	346.2513	127.5834	473.8348		
	8/9/2008 2:00	421	222	200	8.01	8.01		0.2235	1.88E-03	358.2093	131.9896	490.1988		
	8/9/2008 3:00	422	222	300	7.98	7.98		0.2281	1.93E-03	367.3065	135.3417	502.6482		
	8/9/2008 4:00	423	222	400	7.878	7.878		0.2440	2.10E-03	399.0788	147.0488	546.1276		
	8/9/2008 5:00	424	222	500	7.747	7.747		0.2650	2.32E-03	441.8489	162.8083	604.6572		
	8/9/2008 6:00	425	222	600	7.719	7.719		0.2696	2.37E-03	451.2858	166.2855	617.5713		
	8/9/2008 7:00	426	222	700	7.379	7.379		0.3281	3.02E-03	574.6971	211.7590	786.4561		
	8/9/2008 8:00	427	222	800	6.517	6.517		0.5038	5.12E-03	974.2784	358.9929	1333.2713		
	8/9/2008 9:00	428	222	900	7.127	7.127		0.3751	3.56E-03	677.5695	249.6644	927.2339		
	8/9/2008 10:00	429	222	1000	6.831	6.831		0.4346	4.27E-03	812.4176	299.3520	1111.7696		
	8/9/2008 11:00	430	222	1100	6.043	6.043		0.6217	6.63E-03	1262.2748	465.1111	1727.3859		
	8/9/2008 12:00	431	222	1200	5.402	5.402		0.8141	9.24E-03	1759.2147	648.2188	2407.4335		
	8/9/2008 13:00	432	222	1300	5.338	5.338		0.8359	9.54E-03	1817.2481	669.6024	2486.8505		
	8/9/2008 14:00	433	222	1400	5.007	5.007		0.9573	1.13E-02	2147.3067	791.2193	2938.5260		
	8/9/2008 15:00	434	222	1500	4.972	4.972		0.9710	1.15E-02	2185.4156	805.2613	2990.6769		
	8/9/2008 16:00	435	222	1600	5.029	5.029		0.9487	1.12E-02	2123.6877	782.5164	2906.2041		
	8/9/2008 17:00	436	222	1700	5.107	5.107		0.9189	1.07E-02	2041.9721	752.4066	2794.3788		
	8/9/2008 18:00	437	222	1800	5.182	5.182		0.8912	1.03E-02	1966.2685	724.5121	2690.7806		
	8/9/2008 19:00	438	222	1900	5.337	5.337		0.8362	9.55E-03	1818.1688	669.9417	2488.1104		
	8/9/2008 20:00	439	222	2000	6.048	6.048		0.6204	6.61E-03	1258.9248	463.8767	1722.8015		
	8/9/2008 21:00	440	222	2100	7.8	7.8		0.2564	2.23E-03	424.2734	156.3323	580.6057		
	8/9/2008 22:00	441	222	2200	8.75	8.75		0.1200	8.75E-04	166.6167	61.3933	228.0100		
	8/9/2008 23:00	442	222	2300	9.01	9.01		0.0877	5.95E-04	113.2294	41.7217	154.9511		
	8/10/2008 0:00	443	223	0	9.12	9.12	9.15	0.0746	4.87E-04	92.7494	34.1754	126.9248		
	8/10/2008 1:00	444	223	100	9.15	9.15		0.0710	4.59E-04	87.3843	32.1985	119.5828		
	8/10/2008 2:00	445	223	200	9.14	9.14		0.0722	4.68E-04	89.1621	32.8536	122.0157		
	8/10/2008 3:00	446	223	300	9.1	9.1		0.0769	5.06E-04	96.3789	35.5128	131.8917		
	8/10/2008 4:00	447	223	400	9.04	9.04		0.0841	5.65E-04	107.5188	39.6175	147.1364		
	8/10/2008 5:00	448	223	500	8.98	8.98		0.0913	6.25E-04	119.0332	43.8602	162.8934		
	8/10/2008 6:00	449	223	600	8.91	8.91		0.0999	6.98E-04	132.9370	48.9834	181.9204		
	8/10/2008 7:00	450	223	700	8.84	8.84		0.1086	7.74E-04	147.3464	54.2928	201.6392		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	8.65	8.65		0.1329	9.93E-04	189.0160	69.6468	258.6628		
	8/10/2008 9:00	452	223	900	7.368	7.368		0.3301	3.04E-03	578.9754	213.3354	792.3108		
	8/10/2008 10:00	453	223	1000	4.9	4.9		1.0000	1.19E-02	2265.9293	834.9282	3100.8575		
	8/10/2008 11:00	454	223	1100	4.635	4.635		1.1143	1.36E-02	2588.9800	953.9629	3542.9429		
	8/10/2008 12:00	455	223	1200	4.722	4.722		1.0754	1.30E-02	2478.0209	913.0778	3391.0987		
	8/10/2008 13:00	456	223	1300	4.707	4.707		1.0820	1.31E-02	2496.7947	919.9954	3416.7901		
	8/10/2008 14:00	457	223	1400	4.717	4.717		1.0776	1.30E-02	2484.2627	915.3777	3399.6403		
	8/10/2008 15:00	458	223	1500	4.891	4.891		1.0037	1.20E-02	2276.1991	838.7124	3114.9115		
	8/10/2008 16:00	459	223	1600	4.794	4.794		1.0442	1.26E-02	2389.9032	880.6090	3270.5121		
	8/10/2008 17:00	460	223	1700	4.982	4.982		0.9671	1.14E-02	2174.4598	801.2244	2975.6843		
	8/10/2008 18:00	461	223	1800	7.472	7.472		0.3116	2.83E-03	539.2642	198.7030	737.9672		
	8/10/2008 19:00	462	223	1900	8.07	8.07		0.2144	1.79E-03	340.3453	125.4072	465.7525		
	8/10/2008 20:00	463	223	2000	7.821	7.821		0.2530	2.19E-03	417.4123	153.8041	571.2165		
	8/10/2008 21:00	464	223	2100	7.844	7.844		0.2494	2.15E-03	409.9639	151.0596	561.0236		
	8/10/2008 22:00	465	223	2200	8.15	8.15		0.2025	1.67E-03	317.2006	116.8791	434.0798		
	8/10/2008 23:00	466	223	2300	8.14	8.14		0.2039	1.68E-03	320.0522	117.9298	437.9820		
	8/11/2008 0:00	467	224	0	8.08	8.08	8.34	0.2129	1.77E-03	337.4104	124.3258	461.7362		
	8/11/2008 1:00	468	224	100	8.11	8.11		0.2084	1.73E-03	328.6777	121.1081	449.7857		
	8/11/2008 2:00	469	224	200	8.32	8.32		0.1779	1.42E-03	270.4996	99.6712	370.1708		
	8/11/2008 3:00	470	224	300	8.34	8.34		0.1751	1.39E-03	265.2219	97.7264	362.9483		
	8/11/2008 4:00	471	224	400	8.32	8.32		0.1779	1.42E-03	270.4996	99.6712	370.1708		
	8/11/2008 5:00	472	224	500	8.27	8.27		0.1850	1.49E-03	283.8914	104.6056	388.4970		
	8/11/2008 6:00	473	224	600	8.29	8.29		0.1821	1.46E-03	278.5007	102.6193	381.1201		
	8/11/2008 7:00	474	224	700	8.32	8.32		0.1779	1.42E-03	270.4996	99.6712	370.1708		
	8/11/2008 8:00	475	224	800	8.24	8.24		0.1893	1.53E-03	292.0629	107.6166	399.6794		
	8/11/2008 9:00	476	224	900	7.168	7.168		0.3672	3.47E-03	660.1207	243.2350	903.3557		
	8/11/2008 10:00	477	224	1000	4.963	4.963		0.9746	1.15E-02	2195.3224	808.9117	3004.2341		
	8/11/2008 11:00	478	224	1100	4.765	4.765		1.0567	1.27E-02	2425.0029	893.5422	3318.5451		
	8/11/2008 12:00	479	224	1200	4.799	4.799		1.0421	1.25E-02	2383.9040	878.3985	3262.3025		
	8/11/2008 13:00	480	224	1300	5.018	5.018		0.9530	1.12E-02	2135.4652	786.8561	2922.3212		
	8/11/2008 14:00	481	224	1400	4.765	4.765		1.0567	1.27E-02	2425.0029	893.5422	3318.5451		
	8/11/2008 15:00	482	224	1500	4.743	4.743		1.0662	1.29E-02	2451.9814	903.4830	3355.4644		
	8/11/2008 16:00	483	224	1600	5.003	5.003		0.9588	1.13E-02	2151.6287	792.8118	2944.4405		
	8/11/2008 17:00	484	224	1700	5.077	5.077		0.9303	1.09E-02	2073.0330	763.8517	2836.8847		
	8/11/2008 18:00	485	224	1800	5.432	5.432		0.8041	9.10E-03	1732.6020	638.4128	2371.0148		
	8/11/2008 19:00	486	224	1900	5.535	5.535		0.7706	8.63E-03	1643.9889	605.7615	2249.7504		
	8/11/2008 20:00	487	224	2000	6.26	6.26		0.5655	5.90E-03	1123.2757	413.8940	1537.1697		
	8/11/2008 21:00	488	224	2100	7.203	7.203		0.3605	3.39E-03	645.4496	237.8292	883.2787		
	8/11/2008 22:00	489	224	2200	7.848	7.848		0.2487	2.15E-03	408.6756	150.5849	559.2605		
	8/11/2008 23:00	490	224	2300	8.13	8.13		0.2054	1.70E-03	322.9155	118.9848	441.9003		
	8/12/2008 0:00	491	225	0	8.24	8.24	8.68	0.1893	1.53E-03	292.0629	107.6166	399.6794		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	8.19	8.19		0.1966	1.61E-03	305.9120	112.7196	418.6316		
	8/12/2008 2:00	493	225	200	8.57	8.57		0.1435	1.09E-03	207.6922	76.5285	284.2206		
	8/12/2008 3:00	494	225	300	8.66	8.66		0.1316	9.81E-04	186.7290	68.8041	255.5331		
	8/12/2008 4:00	495	225	400	8.68	8.68		0.1290	9.57E-04	182.1864	67.1303	249.3167		
	8/12/2008 5:00	496	225	500	8.6	8.6		0.1395	1.05E-03	200.6092	73.9186	274.5278		
	8/12/2008 6:00	497	225	600	8.43	8.43		0.1625	1.27E-03	242.0224	89.1781	331.2006		
	8/12/2008 7:00	498	225	700	8.32	8.32		0.1779	1.42E-03	270.4996	99.6712	370.1708		
	8/12/2008 8:00	499	225	800	8.25	8.25		0.1879	1.52E-03	289.3276	106.6087	395.9363		
	8/12/2008 9:00	500	225	900	7.249	7.249		0.3519	3.29E-03	626.4762	230.8380	857.3143		
	8/12/2008 10:00	501	225	1000	5.073	5.073		0.9318	1.09E-02	2077.2089	765.3903	2842.5993		
	8/12/2008 11:00	502	225	1100	4.611	4.611		1.1254	1.38E-02	2620.4903	965.5735	3586.0638		
	8/12/2008 12:00	503	225	1200	4.619	4.619		1.1217	1.37E-02	2609.9425	961.6870	3571.6295		
	8/12/2008 13:00	504	225	1300	4.568	4.568		1.1454	1.41E-02	2677.9564	986.7481	3664.7046		
	8/12/2008 14:00	505	225	1400	4.593	4.593		1.1337	1.39E-02	2644.3865	974.3786	3618.7651		
	8/12/2008 15:00	506	225	1500	4.564	4.564		1.1472	1.41E-02	2683.3692	988.7426	3672.1117		
	8/12/2008 16:00	507	225	1600	4.594	4.594		1.1332	1.39E-02	2643.0530	973.8872	3616.9402		
	8/12/2008 17:00	508	225	1700	4.607	4.607		1.1272	1.38E-02	2625.7809	967.5230	3593.3039		
	8/12/2008 18:00	509	225	1800	4.734	4.734		1.0701	1.29E-02	2463.1066	907.5823	3370.6889		
	8/12/2008 19:00	510	225	1900	4.921	4.921		0.9915	1.18E-02	2242.1460	826.1648	3068.3108		
	8/12/2008 20:00	511	225	2000	5.677	5.677		0.7263	8.03E-03	1528.4583	563.1919	2091.6502		
	8/12/2008 21:00	512	225	2100	7.283	7.283		0.3456	3.22E-03	612.6742	225.7524	838.4266		
	8/12/2008 22:00	513	225	2200	8.23	8.23		0.1908	1.55E-03	294.8096	108.6287	403.4383		
	8/12/2008 23:00	514	225	2300	8.51	8.51		0.1516	1.17E-03	222.1463	81.8544	304.0006		
	8/13/2008 0:00	515	226	0	8.61	8.61	8.63	0.1382	1.04E-03	198.2694	73.0565	271.3259		
	8/13/2008 1:00	516	226	100	8.63	8.63		0.1356	1.02E-03	193.6216	71.3439	264.9655		
	8/13/2008 2:00	517	226	200	8.59	8.59		0.1409	1.07E-03	202.9596	74.7846	277.7442		
	8/13/2008 3:00	518	226	300	8.6	8.6		0.1395	1.05E-03	200.6092	73.9186	274.5278		
	8/13/2008 4:00	519	226	400	8.5	8.5		0.1529	1.18E-03	224.5928	82.7559	307.3487		
	8/13/2008 5:00	520	226	500	8.41	8.41		0.1653	1.30E-03	247.1005	91.0493	338.1498		
	8/13/2008 6:00	521	226	600	8.48	8.48		0.1557	1.21E-03	229.5184	84.5708	314.0892		
	8/13/2008 7:00	522	226	700	8.48	8.48		0.1557	1.21E-03	229.5184	84.5708	314.0892		
	8/13/2008 8:00	523	226	800	8.23	8.23		0.1908	1.55E-03	294.8096	108.6287	403.4383		
	8/13/2008 9:00	524	226	900	6.105	6.105		0.6052	6.41E-03	1221.2390	449.9906	1671.2296		
	8/13/2008 10:00	525	226	1000	4.596	4.596		1.1323	1.39E-02	2640.3880	972.9053	3613.2932		
	8/13/2008 11:00	526	226	1100	4.701	4.701		1.0847	1.32E-02	2504.3452	922.7775	3427.1228		
	8/13/2008 12:00	527	226	1200	4.42	4.42		1.2172	1.52E-02	2886.1873	1063.4751	3949.6624		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.461	4.461	8.63	0.9345	1.09E-02	2084.7527	768.1700	2852.9227		
W608EC2	7/22/2008 14:00	1	204	1400	4.928	4.928		0.7512	8.37E-03	1593.3601	587.1063	2180.4664		
30" S	7/22/2008 15:00	2	204	1500	4.937	4.937		0.7480	8.32E-03	1585.0288	584.0365	2169.0653		
Probe #	7/22/2008 16:00	3	204	1600	4.894	4.894		0.7634	8.53E-03	1625.1852	598.8329	2224.0181		
	7/22/2008 17:00	4	204	1700	4.913	4.913		0.7566	8.44E-03	1607.3318	592.2544	2199.5862		
5	7/22/2008 18:00	5	204	1800	5.101	5.101		0.6918	7.56E-03	1439.7326	530.4991	1970.2317		
	7/22/2008 19:00	6	204	1900	5.308	5.308		0.6258	6.68E-03	1272.6217	468.9237	1741.5454		
	7/22/2008 20:00	7	204	2000	5.757	5.757		0.4990	5.06E-03	963.0658	354.8614	1317.9272		
	7/22/2008 21:00	8	204	2100	7.195	7.195		0.1994	1.64E-03	311.4054	114.7437	426.1491		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.31	8.31		0.0385	2.16E-04	41.1204	15.1516	56.2720		
	7/22/2008 23:00	10	204	2300	8.63	8.63		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.2	7/23/2008 0:00	11	205	0	8.84	8.84	8.97	-0.0238	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	8.92	8.92		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	8.95	8.95		-0.0358	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	8.97	8.97		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	8.96	8.96		-0.0368	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	8.93	8.93		-0.0336	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	8.86	8.86		-0.0260	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	8.69	8.69		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 8:00	19	205	800	8.06	8.06		0.0707	4.56E-04	86.9020	32.0208	118.9229		
	7/23/2008 9:00	20	205	900	6.681	6.681		0.2917	2.61E-03	497.3073	183.2431	680.5505		
	7/23/2008 10:00	21	205	1000	5.517	5.517		0.5643	5.88E-03	1120.2462	412.7777	1533.0239		
	7/23/2008 11:00	22	205	1100	5.5	5.5		0.5691	5.95E-03	1132.0744	417.1361	1549.2105		
	7/23/2008 12:00	23	205	1200	5.308	5.308		0.6258	6.68E-03	1272.6217	468.9237	1741.5454		
	7/23/2008 13:00	24	205	1300	5.141	5.141		0.6787	7.38E-03	1406.0852	518.1010	1924.1862		
	7/23/2008 14:00	25	205	1400	5.153	5.153		0.6748	7.33E-03	1396.1217	514.4298	1910.5515		
	7/23/2008 15:00	26	205	1500	5.154	5.154		0.6744	7.33E-03	1395.2941	514.1248	1909.4190		
	7/23/2008 16:00	27	205	1600	5.336	5.336		0.6173	6.57E-03	1251.2999	461.0672	1712.3671		
	7/23/2008 17:00	28	205	1700	5.824	5.824		0.4818	4.84E-03	922.2630	339.8268	1262.0897		
	7/23/2008 18:00	29	205	1800	6.576	6.576		0.3123	2.84E-03	540.9368	199.3193	740.2561		
	7/23/2008 19:00	30	205	1900	6.524	6.524		0.3228	2.96E-03	563.3223	207.5677	770.8899		
	7/23/2008 20:00	31	205	2000	6.909	6.909		0.2491	2.15E-03	409.4232	150.8604	560.2837		
	7/23/2008 21:00	32	205	2100	7.757	7.757		0.1125	8.09E-04	153.9649	56.7315	210.6965		
	7/23/2008 22:00	33	205	2200	8.22	8.22		0.0499	2.97E-04	56.5426	20.8343	77.3769		
	7/23/2008 23:00	34	205	2300	8.32	8.32		0.0373	2.07E-04	39.4858	14.5493	54.0351		
	7/24/2008 0:00	35	206	0	8.36	8.36	8.75	0.0323	1.74E-04	33.1146	12.2017	45.3163		
	7/24/2008 1:00	36	206	100	8.43	8.43		0.0237	1.19E-04	22.6527	8.3469	30.9996		
	7/24/2008 2:00	37	206	200	8.5	8.5		0.0153	6.93E-05	13.1946	4.8618	18.0564		
	7/24/2008 3:00	38	206	300	8.57	8.57		0.0070	2.65E-05	5.0426	1.8580	6.9006		
	7/24/2008 4:00	39	206	400	8.65	8.65		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 5:00	40	206	500	8.7	8.7		-0.0080	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	8.74	8.74		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	8.75	8.75		-0.0137	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	8.65	8.65		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 9:00	44	206	900	8.34	8.34		0.0348	1.90E-04	36.2663	13.3631	49.6293		
	7/24/2008 10:00	45	206	1000	8.32	8.32		0.0373	2.07E-04	39.4858	14.5493	54.0351		
	7/24/2008 11:00	46	206	1100	6.423	6.423		0.3436	3.19E-03	608.3334	224.1529	832.4863		
	7/24/2008 12:00	47	206	1200	5.353	5.353		0.6122	6.50E-03	1238.4961	456.3494	1694.8455		
	7/24/2008 13:00	48	206	1300	5.807	5.807		0.4861	4.90E-03	932.4955	343.5971	1276.0926		
	7/24/2008 14:00	49	206	1400	5.677	5.677		0.5202	5.32E-03	1013.4919	373.4419	1386.9339		
	7/24/2008 15:00	50	206	1500	5.229	5.229		0.6504	7.01E-03	1334.3838	491.6812	1826.0650		
	7/24/2008 16:00	51	206	1600	5.16	5.16		0.6725	7.30E-03	1390.3372	512.2983	1902.6356		
	7/24/2008 17:00	52	206	1700	5.417	5.417		0.5931	6.26E-03	1191.2319	438.9339	1630.1658		
	7/24/2008 18:00	53	206	1800	5.331	5.331		0.6188	6.59E-03	1255.0860	462.4623	1717.5483		
	7/24/2008 19:00	54	206	1900	5.683	5.683		0.5186	5.30E-03	1009.6438	372.0240	1381.6679		
	7/24/2008 20:00	55	206	2000	6.695	6.695		0.2890	2.58E-03	491.6450	181.1567	672.8018		
	7/24/2008 21:00	56	206	2100	7.913	7.913		0.0906	6.19E-04	117.9051	43.4445	161.3496		
	7/24/2008 22:00	57	206	2200	8.59	8.59		0.0047	1.60E-05	3.0524	1.1247	4.1771		
	7/24/2008 23:00	58	206	2300	8.71	8.71		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	8.7	8.7	8.70	-0.0080	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	8.64	8.64		-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	8.57	8.57		0.0070	2.65E-05	5.0426	1.8580	6.9006		
	7/25/2008 3:00	62	207	300	8.53	8.53		0.0117	5.00E-05	9.5115	3.5047	13.0162		
	7/25/2008 4:00	63	207	400	8.53	8.53		0.0117	5.00E-05	9.5115	3.5047	13.0162		
	7/25/2008 5:00	64	207	500	8.55	8.55		0.0094	3.78E-05	7.2061	2.6552	9.8613		
	7/25/2008 6:00	65	207	600	8.57	8.57		0.0070	2.65E-05	5.0426	1.8580	6.9006		
	7/25/2008 7:00	66	207	700	8.53	8.53		0.0117	5.00E-05	9.5115	3.5047	13.0162		
	7/25/2008 8:00	67	207	800	8.5	8.5		0.0153	6.93E-05	13.1946	4.8618	18.0564		
	7/25/2008 9:00	68	207	900	8.44	8.44		0.0225	1.12E-04	21.2356	7.8247	29.0603		
	7/25/2008 10:00	69	207	1000	8.38	8.38		0.0298	1.58E-04	30.0329	11.0662	41.0991		
	7/25/2008 11:00	70	207	1100	7.582	7.582		0.1382	1.04E-03	198.2884	73.0634	271.3518		
	7/25/2008 12:00	71	207	1200	6.385	6.385		0.3516	3.29E-03	625.8073	230.5916	856.3988		
	7/25/2008 13:00	72	207	1300	5.724	5.724		0.5077	5.17E-03	983.6373	362.4414	1346.0787		
	7/25/2008 14:00	73	207	1400	5.202	5.202		0.6590	7.12E-03	1356.0506	499.6647	1855.7153		
	7/25/2008 15:00	74	207	1500	5.206	5.206		0.6577	7.10E-03	1352.8224	498.4752	1851.2976		
	7/25/2008 16:00	75	207	1600	5.375	5.375		0.6056	6.42E-03	1222.0831	450.3016	1672.3847		
	7/25/2008 17:00	76	207	1700	5.108	5.108		0.6895	7.53E-03	1433.7954	528.3114	1962.1069		
	7/25/2008 18:00	77	207	1800	5.271	5.271		0.6373	6.83E-03	1301.2495	479.4721	1780.7216		
	7/25/2008 19:00	78	207	1900	5.416	5.416		0.5934	6.26E-03	1191.9592	439.2019	1631.1611		
	7/25/2008 20:00	79	207	2000	6.244	6.244		0.3821	3.64E-03	693.3361	255.4740	948.8101		
	7/25/2008 21:00	80	207	2100	7.617	7.617		0.1330	9.93E-04	189.0930	69.6752	258.7682		
	7/25/2008 22:00	81	207	2200	8.49	8.49		0.0165	7.60E-05	14.4759	5.3339	19.8098		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	8.61	8.61		0.0023	6.81E-06	1.2967	0.4778	1.7744		
	7/26/2008 0:00	83	208	0	8.62	8.62	8.62	0.0012	2.90E-06	0.5516	0.2033	0.7549		
	7/26/2008 1:00	84	208	100	8.61	8.61		0.0023	6.81E-06	1.2967	0.4778	1.7744		
	7/26/2008 2:00	85	208	200	8.58	8.58		0.0058	2.11E-05	4.0231	1.4824	5.5054		
	7/26/2008 3:00	86	208	300	8.55	8.55		0.0094	3.78E-05	7.2061	2.6552	9.8613		
	7/26/2008 4:00	87	208	400	8.52	8.52		0.0129	5.63E-05	10.7110	3.9467	14.6577		
	7/26/2008 5:00	88	208	500	8.49	8.49		0.0165	7.60E-05	14.4759	5.3339	19.8098		
	7/26/2008 6:00	89	208	600	8.44	8.44		0.0225	1.12E-04	21.2356	7.8247	29.0603		
	7/26/2008 7:00	90	208	700	8.37	8.37		0.0311	1.66E-04	31.5648	11.6307	43.1955		
	7/26/2008 8:00	91	208	800	8.37	8.37		0.0311	1.66E-04	31.5648	11.6307	43.1955		
	7/26/2008 9:00	92	208	900	7.336	7.336		0.1764	1.41E-03	267.7053	98.6415	366.3469		
	7/26/2008 10:00	93	208	1000	5.443	5.443		0.5855	6.16E-03	1172.4455	432.0117	1604.4572		
	7/26/2008 11:00	94	208	1100	5.551	5.551		0.5547	5.76E-03	1096.8764	404.1667	1501.0431		
	7/26/2008 12:00	95	208	1200	5.96	5.96		0.4480	4.43E-03	843.2446	310.7108	1153.9554		
	7/26/2008 13:00	96	208	1300	5.408	5.408		0.5958	6.29E-03	1197.7901	441.3504	1639.1405		
	7/26/2008 14:00	97	208	1400	5.275	5.275		0.6360	6.82E-03	1298.1294	478.3225	1776.4519		
	7/26/2008 15:00	98	208	1500	5.198	5.198		0.6603	7.14E-03	1359.2852	500.8566	1860.1418		
	7/26/2008 16:00	99	208	1600	5.288	5.288		0.6320	6.76E-03	1288.0316	474.6017	1762.6333		
	7/26/2008 17:00	100	208	1700	5.019	5.019		0.7195	7.93E-03	1510.8662	556.7097	2067.5760		
	7/26/2008 18:00	101	208	1800	5.297	5.297		0.6292	6.73E-03	1281.0784	472.0397	1753.1181		
	7/26/2008 19:00	102	208	1900	5.455	5.455		0.5820	6.11E-03	1163.8541	428.8460	1592.7001		
	7/26/2008 20:00	103	208	2000	6.035	6.035		0.4300	4.21E-03	801.7440	295.4191	1097.1631		
	7/26/2008 21:00	104	208	2100	7.48	7.48		0.1537	1.19E-03	226.0438	83.2905	309.3342		
	7/26/2008 22:00	105	208	2200	8.36	8.36		0.0323	1.74E-04	33.1146	12.2017	45.3163		
	7/26/2008 23:00	106	208	2300	8.54	8.54		0.0105	4.38E-05	8.3425	3.0740	11.4164		
	7/27/2008 0:00	107	209	0	8.57	8.57	8.57	0.0070	2.65E-05	5.0426	1.8580	6.9006		
	7/27/2008 1:00	108	209	100	8.53	8.53		0.0117	5.00E-05	9.5115	3.5047	13.0162		
	7/27/2008 2:00	109	209	200	8.47	8.47		0.0189	8.99E-05	17.1117	6.3052	23.4169		
	7/27/2008 3:00	110	209	300	8.41	8.41		0.0262	1.34E-04	25.5473	9.4134	34.9607		
	7/27/2008 4:00	111	209	400	8.39	8.39		0.0286	1.50E-04	28.5191	10.5084	39.0275		
	7/27/2008 5:00	112	209	500	8.38	8.38		0.0298	1.58E-04	30.0329	11.0662	41.0991		
	7/27/2008 6:00	113	209	600	8.43	8.43		0.0237	1.19E-04	22.6527	8.3469	30.9996		
	7/27/2008 7:00	114	209	700	8.43	8.43		0.0237	1.19E-04	22.6527	8.3469	30.9996		
	7/27/2008 8:00	115	209	800	8.33	8.33		0.0360	1.99E-04	37.8677	13.9531	51.8208		
	7/27/2008 9:00	116	209	900	6.598	6.598		0.3080	2.79E-03	531.6231	195.8875	727.5106		
	7/27/2008 10:00	117	209	1000	5.19	5.19		0.6628	7.17E-03	1365.7738	503.2474	1869.0212		
	7/27/2008 11:00	118	209	1100	5.243	5.243		0.6460	6.95E-03	1323.2626	487.5833	1810.8460		
	7/27/2008 12:00	119	209	1200	5.116	5.116		0.6869	7.49E-03	1427.0356	525.8206	1952.8563		
	7/27/2008 13:00	120	209	1300	5.091	5.091		0.6951	7.61E-03	1448.2506	533.6377	1981.8883		
	7/27/2008 14:00	121	209	1400	4.933	4.933		0.7494	8.34E-03	1588.7269	585.3991	2174.1260		
	7/27/2008 15:00	122	209	1500	4.934	4.934		0.7491	8.34E-03	1587.8016	585.0582	2172.8598		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.956	4.956		0.7413	8.23E-03	1567.5667	577.6022	2145.1688		
	7/27/2008 17:00	124	209	1700	4.969	4.969		0.7368	8.17E-03	1555.7166	573.2358	2128.9523		
	7/27/2008 18:00	125	209	1800	5.126	5.126		0.6836	7.45E-03	1418.6240	522.7212	1941.3451		
	7/27/2008 19:00	126	209	1900	5.31	5.31		0.6252	6.68E-03	1271.0890	468.3589	1739.4479		
	7/27/2008 20:00	127	209	2000	5.771	5.771		0.4954	5.01E-03	954.4340	351.6808	1306.1148		
	7/27/2008 21:00	128	209	2100	7.052	7.052		0.2238	1.88E-03	358.7927	132.2046	490.9973		
	7/27/2008 22:00	129	209	2200	8.05	8.05		0.0720	4.67E-04	88.9184	32.7638	121.6822		
	7/27/2008 23:00	130	209	2300	8.23	8.23		0.0486	2.88E-04	54.7678	20.1803	74.9481		
	7/28/2008 0:00	131	210	0	8.3	8.3	8.67	0.0398	2.25E-04	42.7712	15.7599	58.5312		
	7/28/2008 1:00	132	210	100	8.41	8.41		0.0262	1.34E-04	25.5473	9.4134	34.9607		
	7/28/2008 2:00	133	210	200	8.44	8.44		0.0225	1.12E-04	21.2356	7.8247	29.0603		
	7/28/2008 3:00	134	210	300	8.56	8.56		0.0082	3.21E-05	6.1050	2.2495	8.3545		
	7/28/2008 4:00	135	210	400	8.63	8.63		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 5:00	136	210	500	8.67	8.67		-0.0046	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 6:00	137	210	600	8.66	8.66		-0.0035	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 7:00	138	210	700	8.58	8.58		0.0058	2.11E-05	4.0231	1.4824	5.5054		
	7/28/2008 8:00	139	210	800	6.925	6.925		0.2462	2.12E-03	403.5918	148.7117	552.3035		
	7/28/2008 9:00	140	210	900	5.408	5.408		0.5958	6.29E-03	1197.7901	441.3504	1639.1405		
	7/28/2008 10:00	141	210	1000	5.09	5.09		0.6955	7.61E-03	1449.1047	533.9524	1983.0572		
	7/28/2008 11:00	142	210	1100	5.269	5.269		0.6379	6.84E-03	1302.8118	480.0478	1782.8596		
	7/28/2008 12:00	143	210	1200	5.22	5.22		0.6533	7.05E-03	1341.5739	494.3305	1835.9044		
	7/28/2008 13:00	144	210	1300	5.098	5.098		0.6928	7.57E-03	1442.2835	531.4390	1973.7225		
	7/28/2008 14:00	145	210	1400	5.009	5.009		0.7229	7.98E-03	1519.7451	559.9813	2079.7264		
	7/28/2008 15:00	146	210	1500	4.997	4.997		0.7270	8.04E-03	1530.4595	563.9293	2094.3888		
	7/28/2008 16:00	147	210	1600	5.003	5.003		0.7250	8.01E-03	1525.0941	561.9523	2087.0464		
	7/28/2008 17:00	148	210	1700	4.985	4.985		0.7312	8.09E-03	1541.2397	567.9015	2109.1412		
	7/28/2008 18:00	149	210	1800	5.15	5.15		0.6757	7.35E-03	1398.6070	515.3455	1913.9525		
	7/28/2008 19:00	150	210	1900	5.401	5.401		0.5979	6.32E-03	1202.9107	443.2372	1646.1479		
	7/28/2008 20:00	151	210	2000	6.063	6.063		0.4234	4.13E-03	786.6131	289.8438	1076.4569		
	7/28/2008 21:00	152	210	2100	7.485	7.485		0.1530	1.18E-03	224.6497	82.7768	307.4265		
	7/28/2008 22:00	153	210	2200	8.02	8.02		0.0761	4.99E-04	95.0493	35.0229	130.0721		
	7/28/2008 23:00	154	210	2300	8.2	8.2		0.0524	3.16E-04	60.1369	22.1587	82.2956		
	7/29/2008 0:00	155	211	0	8.38	8.38	8.58	0.0298	1.58E-04	30.0329	11.0662	41.0991		
	7/29/2008 1:00	156	211	100	8.48	8.48		0.0177	8.29E-05	15.7819	5.8152	21.5971		
	7/29/2008 2:00	157	211	200	8.56	8.56		0.0082	3.21E-05	6.1050	2.2495	8.3545		
	7/29/2008 3:00	158	211	300	8.56	8.56		0.0082	3.21E-05	6.1050	2.2495	8.3545		
	7/29/2008 4:00	159	211	400	8.58	8.58		0.0058	2.11E-05	4.0231	1.4824	5.5054		
	7/29/2008 5:00	160	211	500	8.49	8.49		0.0165	7.60E-05	14.4759	5.3339	19.8098		
	7/29/2008 6:00	161	211	600	8.41	8.41		0.0262	1.34E-04	25.5473	9.4134	34.9607		
	7/29/2008 7:00	162	211	700	8.36	8.36		0.0323	1.74E-04	33.1146	12.2017	45.3163		
	7/29/2008 8:00	163	211	800	8.12	8.12		0.0628	3.94E-04	75.0934	27.6697	102.7631		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	6.779	6.779		0.2730	2.41E-03	458.4149	168.9124	627.3273		
	7/29/2008 10:00	165	211	1000	5.658	5.658		0.5253	5.39E-03	1025.7496	377.9585	1403.7081		
	7/29/2008 11:00	166	211	1100	5.946	5.946		0.4514	4.47E-03	851.1513	313.6242	1164.7755		
	7/29/2008 12:00	167	211	1200	5.352	5.352		0.6125	6.51E-03	1239.2463	456.6258	1695.8721		
	7/29/2008 13:00	168	211	1300	5.362	5.362		0.6095	6.47E-03	1231.7604	453.8675	1685.6279		
	7/29/2008 14:00	169	211	1400	5.132	5.132		0.6816	7.42E-03	1413.5972	520.8689	1934.4661		
	7/29/2008 15:00	170	211	1500	5.288	5.288		0.6320	6.76E-03	1288.0316	474.6017	1762.6333		
	7/29/2008 16:00	171	211	1600	5.463	5.463		0.5797	6.08E-03	1158.1540	426.7457	1584.8996		
	7/29/2008 17:00	172	211	1700	5.628	5.628		0.5334	5.49E-03	1045.3291	385.1730	1430.5020		
	7/29/2008 18:00	173	211	1800	5.621	5.621		0.5353	5.51E-03	1049.9377	386.8711	1436.8089		
	7/29/2008 19:00	174	211	1900	5.686	5.686		0.5178	5.29E-03	1007.7239	371.3166	1379.0405		
	7/29/2008 20:00	175	211	2000	6.58	6.58		0.3116	2.83E-03	539.2365	198.6928	737.9293		
	7/29/2008 21:00	176	211	2100	7.873	7.873		0.0962	6.66E-04	126.8425	46.7377	173.5802		
	7/29/2008 22:00	177	211	2200	8.38	8.38		0.0298	1.58E-04	30.0329	11.0662	41.0991		
	7/29/2008 23:00	178	211	2300	8.44	8.44		0.0225	1.12E-04	21.2356	7.8247	29.0603		
	7/30/2008 0:00	179	212	0	8.36	8.36	8.42	0.0323	1.74E-04	33.1146	12.2017	45.3163		
	7/30/2008 1:00	180	212	100	8.24	8.24		0.0473	2.78E-04	53.0079	19.5318	72.5397		
	7/30/2008 2:00	181	212	200	8.2	8.2		0.0524	3.16E-04	60.1369	22.1587	82.2956		
	7/30/2008 3:00	182	212	300	8.19	8.19		0.0537	3.25E-04	61.9561	22.8290	84.7851		
	7/30/2008 4:00	183	212	400	8.13	8.13		0.0615	3.84E-04	73.1740	26.9625	100.1365		
	7/30/2008 5:00	184	212	500	8.05	8.05		0.0720	4.67E-04	88.9184	32.7638	121.6822		
	7/30/2008 6:00	185	212	600	8.01	8.01		0.0774	5.10E-04	97.1200	35.7859	132.9059		
	7/30/2008 7:00	186	212	700	8.01	8.01		0.0774	5.10E-04	97.1200	35.7859	132.9059		
	7/30/2008 8:00	187	212	800	8.08	8.08		0.0681	4.35E-04	82.9105	30.5501	113.4606		
	7/30/2008 9:00	188	212	900	7.605	7.605		0.1348	1.01E-03	192.2270	70.8300	263.0569		
	7/30/2008 10:00	189	212	1000	5.58	5.58		0.5466	5.66E-03	1077.2407	396.9315	1474.1722		
	7/30/2008 11:00	190	212	1100	5.321	5.321		0.6219	6.63E-03	1262.6860	465.2626	1727.9486		
	7/30/2008 12:00	191	212	1200	5.209	5.209		0.6567	7.09E-03	1350.4054	497.5846	1847.9901		
	7/30/2008 13:00	192	212	1300	5.09	5.09		0.6955	7.61E-03	1449.1047	533.9524	1983.0572		
	7/30/2008 14:00	193	212	1400	5.055	5.055		0.7072	7.77E-03	1479.2733	545.0687	2024.3419		
	7/30/2008 15:00	194	212	1500	5.187	5.187		0.6638	7.19E-03	1368.2137	504.1465	1872.3601		
	7/30/2008 16:00	195	212	1600	5.063	5.063		0.7045	7.73E-03	1472.3305	542.5105	2014.8410		
	7/30/2008 17:00	196	212	1700	5.038	5.038		0.7130	7.85E-03	1494.1203	550.5394	2044.6597		
	7/30/2008 18:00	197	212	1800	5.252	5.252		0.6432	6.91E-03	1316.1538	484.9639	1801.1177		
	7/30/2008 19:00	198	212	1900	5.409	5.409		0.5955	6.29E-03	1197.0600	441.0814	1638.1414		
	7/30/2008 20:00	199	212	2000	5.99	5.99		0.4407	4.34E-03	826.4724	304.5308	1131.0032		
	7/30/2008 21:00	200	212	2100	7.428	7.428		0.1618	1.26E-03	240.7495	88.7091	329.4586		
	7/30/2008 22:00	201	212	2200	8.24	8.24		0.0473	2.78E-04	53.0079	19.5318	72.5397		
	7/30/2008 23:00	202	212	2300	8.42	8.42		0.0249	1.27E-04	24.0901	8.8765	32.9666		
	7/31/2008 0:00	203	213	0	8.45	8.45	8.45	0.0213	1.04E-04	19.8393	7.3102	27.1495		
	7/31/2008 1:00	204	213	100	8.41	8.41		0.0262	1.34E-04	25.5473	9.4134	34.9607		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	8.36	8.36		0.0323	1.74E-04	33.1146	12.2017	45.3163		
	7/31/2008 3:00	206	213	300	8.32	8.32		0.0373	2.07E-04	39.4858	14.5493	54.0351		
	7/31/2008 4:00	207	213	400	8.25	8.25		0.0461	2.69E-04	51.2631	18.8890	70.1521		
	7/31/2008 5:00	208	213	500	8.18	8.18		0.0550	3.35E-04	63.7899	23.5047	87.2945		
	7/31/2008 6:00	209	213	600	8.13	8.13		0.0615	3.84E-04	73.1740	26.9625	100.1365		
	7/31/2008 7:00	210	213	700	8.08	8.08		0.0681	4.35E-04	82.9105	30.5501	113.4606		
	7/31/2008 8:00	211	213	800	8.07	8.07		0.0694	4.46E-04	84.8994	31.2829	116.1823		
	7/31/2008 9:00	212	213	900	7.326	7.326		0.1780	1.42E-03	270.7085	99.7481	370.4566		
	7/31/2008 10:00	213	213	1000	5.508	5.508		0.5668	5.92E-03	1126.4962	415.0807	1541.5768		
	7/31/2008 11:00	214	213	1100	5.406	5.406		0.5964	6.30E-03	1199.2514	441.8888	1641.1402		
	7/31/2008 12:00	215	213	1200	5.113	5.113		0.6879	7.51E-03	1429.5674	526.7535	1956.3209		
	7/31/2008 13:00	216	213	1300	5.289	5.289		0.6317	6.76E-03	1287.2575	474.3165	1761.5740		
	7/31/2008 14:00	217	213	1400	4.931	4.931		0.7502	8.35E-03	1590.5787	586.0814	2176.6602		
	7/31/2008 15:00	218	213	1500	4.892	4.892		0.7641	8.54E-03	1627.0747	599.5292	2226.6039		
	7/31/2008 16:00	219	213	1600	5.012	5.012		0.7219	7.97E-03	1517.0767	558.9981	2076.0748		
	7/31/2008 17:00	220	213	1700	4.989	4.989		0.7298	8.08E-03	1537.6390	566.5747	2104.2137		
	7/31/2008 18:00	221	213	1800	5.184	5.184		0.6647	7.20E-03	1370.6572	505.0468	1875.7040		
	7/31/2008 19:00	222	213	1900	5.456	5.456		0.5817	6.11E-03	1163.1404	428.5830	1591.7234		
	7/31/2008 20:00	223	213	2000	6.354	6.354		0.3582	3.36E-03	640.2864	235.9267	876.2131		
	7/31/2008 21:00	224	213	2100	7.256	7.256		0.1894	1.53E-03	292.1391	107.6447	399.7837		
	7/31/2008 22:00	225	213	2200	7.927	7.927		0.0887	6.03E-04	114.8274	42.3105	157.1379		
	7/31/2008 23:00	226	213	2300	7.941	7.941		0.0868	5.87E-04	111.7758	41.1861	152.9619		
	8/1/2008 0:00	227	214	0	8.17	8.17	8.62	0.0563	3.45E-04	65.6381	24.1857	89.8238		
	8/1/2008 1:00	228	214	100	8.45	8.45		0.0213	1.04E-04	19.8393	7.3102	27.1495		
	8/1/2008 2:00	229	214	200	8.56	8.56		0.0082	3.21E-05	6.1050	2.2495	8.3545		
	8/1/2008 3:00	230	214	300	8.6	8.6		0.0035	1.12E-05	2.1390	0.7882	2.9272		
	8/1/2008 4:00	231	214	400	8.62	8.62		0.0012	2.90E-06	0.5516	0.2033	0.7549		
	8/1/2008 5:00	232	214	500	8.59	8.59		0.0047	1.60E-05	3.0524	1.1247	4.1771		
	8/1/2008 6:00	233	214	600	8.53	8.53		0.0117	5.00E-05	9.5115	3.5047	13.0162		
	8/1/2008 7:00	234	214	700	8.47	8.47		0.0189	8.99E-05	17.1117	6.3052	23.4169		
	8/1/2008 8:00	235	214	800	8.48	8.48		0.0177	8.29E-05	15.7819	5.8152	21.5971		
	8/1/2008 9:00	236	214	900	7.597	7.597		0.1360	1.02E-03	194.3271	71.6038	265.9309		
	8/1/2008 10:00	237	214	1000	5.457	5.457		0.5815	6.10E-03	1162.4270	428.3201	1590.7471		
	8/1/2008 11:00	238	214	1100	5.432	5.432		0.5887	6.20E-03	1180.3648	434.9297	1615.2945		
	8/1/2008 12:00	239	214	1200	5.287	5.287		0.6323	6.77E-03	1288.8061	474.8871	1763.6931		
	8/1/2008 13:00	240	214	1300	5.065	5.065		0.7038	7.72E-03	1470.5992	541.8725	2012.4718		
	8/1/2008 14:00	241	214	1400	5.005	5.005		0.7243	8.00E-03	1523.3093	561.2946	2084.6039		
	8/1/2008 15:00	242	214	1500	4.99	4.99		0.7295	8.07E-03	1536.7399	566.2434	2102.9834		
	8/1/2008 16:00	243	214	1600	5.039	5.039		0.7126	7.84E-03	1493.2434	550.2162	2043.4597		
	8/1/2008 17:00	244	214	1700	5.054	5.054		0.7076	7.77E-03	1480.1431	545.3892	2025.5323		
	8/1/2008 18:00	245	214	1800	5.222	5.222		0.6526	7.04E-03	1339.9733	493.7407	1833.7141		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.437	5.437		0.5873	6.18E-03	1176.7599	433.6014	1610.3614		
	8/1/2008 20:00	247	214	2000	6.306	6.306		0.3685	3.48E-03	663.1105	244.3367	907.4472		
	8/1/2008 21:00	248	214	2100	7.77	7.77		0.1107	7.92E-04	150.8362	55.5787	206.4149		
	8/1/2008 22:00	249	214	2200	8.42	8.42		0.0249	1.27E-04	24.0901	8.8765	32.9666		
	8/1/2008 23:00	250	214	2300	8.56	8.56		0.0082	3.21E-05	6.1050	2.2495	8.3545		
	8/2/2008 0:00	251	215	0	8.64	8.64	8.76	-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	8.72	8.72		-0.0103	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	8.76	8.76		-0.0148	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	8.76	8.76		-0.0148	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	8.74	8.74		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	8.74	8.74		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	8.72	8.72		-0.0103	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	8.64	8.64		-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 8:00	259	215	800	7.817	7.817		0.1040	7.34E-04	139.7126	51.4800	191.1925		
	8/2/2008 9:00	260	215	900	5.923	5.923		0.4570	4.54E-03	864.2522	318.4515	1182.7038		
	8/2/2008 10:00	261	215	1000	5.555	5.555		0.5536	5.75E-03	1094.1519	403.1628	1497.3146		
	8/2/2008 11:00	262	215	1100	5.405	5.405		0.5967	6.30E-03	1199.9825	442.1582	1642.1408		
	8/2/2008 12:00	263	215	1200	5.227	5.227		0.6510	7.02E-03	1335.9788	492.2689	1828.2477		
	8/2/2008 13:00	264	215	1300	5.1	5.1		0.6922	7.57E-03	1440.5825	530.8122	1971.3947		
	8/2/2008 14:00	265	215	1400	5.062	5.062		0.7049	7.74E-03	1473.1968	542.8297	2016.0265		
	8/2/2008 15:00	266	215	1500	5.069	5.069		0.7025	7.71E-03	1467.1419	540.5986	2007.7404		
	8/2/2008 16:00	267	215	1600	5.081	5.081		0.6985	7.65E-03	1456.8115	536.7922	1993.6037		
	8/2/2008 17:00	268	215	1700	5.154	5.154		0.6744	7.33E-03	1395.2941	514.1248	1909.4190		
	8/2/2008 18:00	269	215	1800	5.279	5.279		0.6348	6.80E-03	1295.0155	477.1751	1772.1906		
	8/2/2008 19:00	270	215	1900	5.519	5.519		0.5637	5.88E-03	1118.8610	412.2673	1531.1283		
	8/2/2008 20:00	271	215	2000	6.177	6.177		0.3971	3.82E-03	726.9705	267.8672	994.8378		
	8/2/2008 21:00	272	215	2100	7.323	7.323		0.1785	1.43E-03	271.6123	100.0811	371.6934		
	8/2/2008 22:00	273	215	2200	8.14	8.14		0.0602	3.74E-04	71.2687	26.2604	97.5292		
	8/2/2008 23:00	274	215	2300	8.35	8.35		0.0335	1.82E-04	34.6818	12.7792	47.4610		
	8/3/2008 0:00	275	216	0	8.31	8.31	8.74	0.0385	2.16E-04	41.1204	15.1516	56.2720		
	8/3/2008 1:00	276	216	100	8.23	8.23		0.0486	2.88E-04	54.7678	20.1803	74.9481		
	8/3/2008 2:00	277	216	200	8.38	8.38		0.0298	1.58E-04	30.0329	11.0662	41.0991		
	8/3/2008 3:00	278	216	300	8.55	8.55		0.0094	3.78E-05	7.2061	2.6552	9.8613		
	8/3/2008 4:00	279	216	400	8.66	8.66		-0.0035	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	8.69	8.69		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	8.7	8.7		-0.0080	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 7:00	282	216	700	8.74	8.74		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 8:00	283	216	800	8.01	8.01		0.0774	5.10E-04	97.1200	35.7859	132.9059		
	8/3/2008 9:00	284	216	900	5.8	5.8		0.4879	4.92E-03	936.7325	345.1584	1281.8909		
	8/3/2008 10:00	285	216	1000	5.278	5.278		0.6351	6.81E-03	1295.7934	477.4617	1773.2552		
	8/3/2008 11:00	286	216	1100	5.289	5.289		0.6317	6.76E-03	1287.2575	474.3165	1761.5740		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.105	5.105		0.6905	7.54E-03	1436.3374	529.2480	1965.5854		
	8/3/2008 13:00	288	216	1300	5.071	5.071		0.7018	7.70E-03	1465.4158	539.9626	2005.3784		
	8/3/2008 14:00	289	216	1400	5.013	5.013		0.7215	7.96E-03	1516.1881	558.6707	2074.8588		
	8/3/2008 15:00	290	216	1500	5.025	5.025		0.7174	7.91E-03	1505.5606	554.7548	2060.3154		
	8/3/2008 16:00	291	216	1600	5.118	5.118		0.6862	7.49E-03	1425.3499	525.1995	1950.5494		
	8/3/2008 17:00	292	216	1700	5.099	5.099		0.6925	7.57E-03	1441.4328	531.1255	1972.5583		
	8/3/2008 18:00	293	216	1800	5.249	5.249		0.6441	6.92E-03	1318.5199	485.8358	1804.3557		
	8/3/2008 19:00	294	216	1900	5.416	5.416		0.5934	6.26E-03	1191.9592	439.2019	1631.1611		
	8/3/2008 20:00	295	216	2000	5.804	5.804		0.4869	4.91E-03	934.3097	344.2656	1278.5753		
	8/3/2008 21:00	296	216	2100	6.721	6.721		0.2840	2.53E-03	481.2240	177.3169	658.5409		
	8/3/2008 22:00	297	216	2200	7.419	7.419		0.1632	1.28E-03	243.3334	89.6612	332.9945		
	8/3/2008 23:00	298	216	2300	7.576	7.576		0.1391	1.05E-03	199.8815	73.6504	273.5319		
	8/4/2008 0:00	299	217	0	7.617	7.617	8.29	0.1330	9.93E-04	189.0930	69.6752	258.7682		
	8/4/2008 1:00	300	217	100	7.634	7.634		0.1305	9.70E-04	184.6867	68.0516	252.7384		
	8/4/2008 2:00	301	217	200	7.35	7.35		0.1741	1.38E-03	263.5252	97.1013	360.6264		
	8/4/2008 3:00	302	217	300	7.144	7.144		0.2080	1.72E-03	327.9439	120.8377	448.7816		
	8/4/2008 4:00	303	217	400	6.948	6.948		0.2421	2.08E-03	395.2835	145.6503	540.9339		
	8/4/2008 5:00	304	217	500	7.104	7.104		0.2148	1.79E-03	341.1944	125.7201	466.9144		
	8/4/2008 6:00	305	217	600	7.534	7.534		0.1455	1.11E-03	211.1712	77.8104	288.9815		
	8/4/2008 7:00	306	217	700	7.694	7.694		0.1217	8.90E-04	169.4469	62.4362	231.8831		
	8/4/2008 8:00	307	217	800	7.572	7.572		0.1397	1.06E-03	200.9463	74.0428	274.9891		
	8/4/2008 9:00	308	217	900	7.135	7.135		0.2095	1.74E-03	330.9037	121.9283	452.8320		
	8/4/2008 10:00	309	217	1000	6.018	6.018		0.4340	4.26E-03	811.0258	298.8391	1109.8650		
	8/4/2008 11:00	310	217	1100	5.529	5.529		0.5609	5.84E-03	1111.9546	409.7226	1521.6772		
	8/4/2008 12:00	311	217	1200	5.259	5.259		0.6410	6.88E-03	1310.6465	482.9347	1793.5811		
	8/4/2008 13:00	312	217	1300	5.205	5.205		0.6580	7.11E-03	1353.6288	498.7724	1852.4012		
	8/4/2008 14:00	313	217	1400	5.557	5.557		0.5530	5.74E-03	1092.7916	402.6615	1495.4531		
	8/4/2008 15:00	314	217	1500	5.983	5.983		0.4424	4.36E-03	830.3652	305.9651	1136.3304		
	8/4/2008 16:00	315	217	1600	5.311	5.311		0.6249	6.67E-03	1270.3233	468.0767	1738.4000		
	8/4/2008 17:00	316	217	1700	5.133	5.133		0.6813	7.42E-03	1412.7608	520.5608	1933.3216		
	8/4/2008 18:00	317	217	1800	5.395	5.395		0.5996	6.34E-03	1207.3137	444.8596	1652.1732		
	8/4/2008 19:00	318	217	1900	5.678	5.678		0.5199	5.32E-03	1012.8498	373.2053	1386.0552		
	8/4/2008 20:00	319	217	2000	6.305	6.305		0.3688	3.48E-03	663.5913	244.5139	908.1051		
	8/4/2008 21:00	320	217	2100	7.676	7.676		0.1243	9.14E-04	173.9680	64.1021	238.0700		
	8/4/2008 22:00	321	217	2200	8.19	8.19		0.0537	3.25E-04	61.9561	22.8290	84.7851		
	8/4/2008 23:00	322	217	2300	8.29	8.29		0.0410	2.33E-04	44.4382	16.3742	60.8123		
	8/5/2008 0:00	323	218	0	8.43	8.43	8.61	0.0237	1.19E-04	22.6527	8.3469	30.9996		
	8/5/2008 1:00	324	218	100	8.52	8.52		0.0129	5.63E-05	10.7110	3.9467	14.6577		
	8/5/2008 2:00	325	218	200	8.59	8.59		0.0047	1.60E-05	3.0524	1.1247	4.1771		
	8/5/2008 3:00	326	218	300	8.58	8.58		0.0058	2.11E-05	4.0231	1.4824	5.5054		
	8/5/2008 4:00	327	218	400	8.54	8.54		0.0105	4.38E-05	8.3425	3.0740	11.4164		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.57	8.57		0.0070	2.65E-05	5.0426	1.8580	6.9006		
	8/5/2008 6:00	329	218	600	8.61	8.61		0.0023	6.81E-06	1.2967	0.4778	1.7744		
	8/5/2008 7:00	330	218	700	8.61	8.61		0.0023	6.81E-06	1.2967	0.4778	1.7744		
	8/5/2008 8:00	331	218	800	8.55	8.55		0.0094	3.78E-05	7.2061	2.6552	9.8613		
	8/5/2008 9:00	332	218	900	7.611	7.611		0.1339	1.00E-03	190.6576	70.2517	260.9092		
	8/5/2008 10:00	333	218	1000	5.885	5.885		0.4664	4.65E-03	886.2048	326.5404	1212.7451		
	8/5/2008 11:00	334	218	1100	6.167	6.167		0.3994	3.84E-03	732.0791	269.7496	1001.8287		
	8/5/2008 12:00	335	218	1200	5.843	5.843		0.4770	4.78E-03	910.9220	335.6479	1246.5699		
	8/5/2008 13:00	336	218	1300	5.273	5.273		0.6366	6.83E-03	1299.6887	478.8970	1778.5857		
	8/5/2008 14:00	337	218	1400	5.983	5.983		0.4424	4.36E-03	830.3652	305.9651	1136.3304		
	8/5/2008 15:00	338	218	1500	6.348	6.348		0.3595	3.38E-03	643.1124	236.9680	880.0803		
	8/5/2008 16:00	339	218	1600	6.174	6.174		0.3978	3.83E-03	728.5007	268.4310	996.9317		
	8/5/2008 17:00	340	218	1700	5.621	5.621		0.5353	5.51E-03	1049.9377	386.8711	1436.8089		
	8/5/2008 18:00	341	218	1800	5.442	5.442		0.5858	6.16E-03	1173.1637	432.2763	1605.4401		
	8/5/2008 19:00	342	218	1900	5.615	5.615		0.5370	5.53E-03	1053.9002	388.3312	1442.2314		
	8/5/2008 20:00	343	218	2000	6.499	6.499		0.3279	3.02E-03	574.2731	211.6027	785.8759		
	8/5/2008 21:00	344	218	2100	8.03	8.03		0.0747	4.88E-04	92.9920	34.2648	127.2568		
	8/5/2008 22:00	345	218	2200	8.51	8.51		0.0141	6.27E-05	11.9392	4.3992	16.3384		
	8/5/2008 23:00	346	218	2300	8.57	8.57		0.0070	2.65E-05	5.0426	1.8580	6.9006		
	8/6/2008 0:00	347	219	0	8.53	8.53	8.53	0.0117	5.00E-05	9.5115	3.5047	13.0162		
	8/6/2008 1:00	348	219	100	8.48	8.48		0.0177	8.29E-05	15.7819	5.8152	21.5971		
	8/6/2008 2:00	349	219	200	8.47	8.47		0.0189	8.99E-05	17.1117	6.3052	23.4169		
	8/6/2008 3:00	350	219	300	8.42	8.42		0.0249	1.27E-04	24.0901	8.8765	32.9666		
	8/6/2008 4:00	351	219	400	8.34	8.34		0.0348	1.90E-04	36.2663	13.3631	49.6293		
	8/6/2008 5:00	352	219	500	8.27	8.27		0.0435	2.51E-04	47.8195	17.6201	65.4396		
	8/6/2008 6:00	353	219	600	8.2	8.2		0.0524	3.16E-04	60.1369	22.1587	82.2956		
	8/6/2008 7:00	354	219	700	8.14	8.14		0.0602	3.74E-04	71.2687	26.2604	97.5292		
	8/6/2008 8:00	355	219	800	8.05	8.05		0.0720	4.67E-04	88.9184	32.7638	121.6822		
	8/6/2008 9:00	356	219	900	8.05	8.05		0.0720	4.67E-04	88.9184	32.7638	121.6822		
	8/6/2008 10:00	357	219	1000	6.106	6.106		0.4134	4.01E-03	763.7509	281.4197	1045.1706		
	8/6/2008 11:00	358	219	1100	4.964	4.964		0.7385	8.19E-03	1560.2650	574.9117	2135.1767		
	8/6/2008 12:00	359	219	1200	5.591	5.591		0.5436	5.62E-03	1069.8633	394.2131	1464.0764		
	8/6/2008 13:00	360	219	1300	6.083	6.083		0.4187	4.07E-03	775.9236	285.9050	1061.8286		
	8/6/2008 14:00	361	219	1400	5.582	5.582		0.5460	5.65E-03	1075.8965	396.4362	1472.3327		
	8/6/2008 15:00	362	219	1500	5.012	5.012		0.7219	7.97E-03	1517.0767	558.9981	2076.0748		
	8/6/2008 16:00	363	219	1600	5.262	5.262		0.6401	6.87E-03	1308.2920	482.0671	1790.3591		
	8/6/2008 17:00	364	219	1700	5.18	5.18		0.6660	7.22E-03	1373.9209	506.2494	1880.1703		
	8/6/2008 18:00	365	219	1800	5.775	5.775		0.4944	5.00E-03	951.9781	350.7759	1302.7541		
	8/6/2008 19:00	366	219	1900	5.866	5.866		0.4712	4.71E-03	897.3267	330.6385	1227.9652		
	8/6/2008 20:00	367	219	2000	6.255	6.255		0.3797	3.61E-03	687.9113	253.4751	941.3863		
	8/6/2008 21:00	368	219	2100	7.628	7.628		0.1314	9.78E-04	186.2374	68.6230	254.8604		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.36	8.36		0.0323	1.74E-04	33.1146	12.2017	45.3163		
	8/6/2008 23:00	370	219	2300	8.46	8.46		0.0201	9.70E-05	18.4644	6.8036	25.2680		
	8/7/2008 0:00	371	220	0	8.47	8.47	8.47	0.0189	8.99E-05	17.1117	6.3052	23.4169		
	8/7/2008 1:00	372	220	100	8.39	8.39		0.0286	1.50E-04	28.5191	10.5084	39.0275		
	8/7/2008 2:00	373	220	200	8.31	8.31		0.0385	2.16E-04	41.1204	15.1516	56.2720		
	8/7/2008 3:00	374	220	300	8.22	8.22		0.0499	2.97E-04	56.5426	20.8343	77.3769		
	8/7/2008 4:00	375	220	400	8.14	8.14		0.0602	3.74E-04	71.2687	26.2604	97.5292		
	8/7/2008 5:00	376	220	500	8.05	8.05		0.0720	4.67E-04	88.9184	32.7638	121.6822		
	8/7/2008 6:00	377	220	600	7.968	7.968		0.0831	5.56E-04	105.9648	39.0449	145.0097		
	8/7/2008 7:00	378	220	700	7.886	7.886		0.0943	6.51E-04	123.9144	45.6588	169.5733		
	8/7/2008 8:00	379	220	800	7.823	7.823		0.1032	7.26E-04	138.3137	50.9645	189.2782		
	8/7/2008 9:00	380	220	900	7.484	7.484		0.1531	1.18E-03	224.9282	82.8794	307.8076		
	8/7/2008 10:00	381	220	1000	5.226	5.226		0.6514	7.02E-03	1336.7769	492.5630	1829.3399		
	8/7/2008 11:00	382	220	1100	4.712	4.712		0.8315	9.48E-03	1805.4812	665.2667	2470.7478		
	8/7/2008 12:00	383	220	1200	4.665	4.665		0.8499	9.74E-03	1854.9292	683.4868	2538.4160		
	8/7/2008 13:00	384	220	1300	4.535	4.535		0.9030	1.05E-02	1998.4085	736.3547	2734.7632		
	8/7/2008 14:00	385	220	1400	4.549	4.549		0.8971	1.04E-02	1982.4649	730.4800	2712.9449		
	8/7/2008 15:00	386	220	1500	4.814	4.814		0.7927	8.94E-03	1702.3202	627.2549	2329.5751		
	8/7/2008 16:00	387	220	1600	4.794	4.794		0.8002	9.04E-03	1722.1129	634.5479	2356.6609		
	8/7/2008 17:00	388	220	1700	4.77	4.77		0.8092	9.17E-03	1746.1405	643.4014	2389.5419		
	8/7/2008 18:00	389	220	1800	5.078	5.078		0.6995	7.66E-03	1459.3883	537.7416	1997.1299		
	8/7/2008 19:00	390	220	1900	5.376	5.376		0.6053	6.41E-03	1221.3412	450.0283	1671.3695		
	8/7/2008 20:00	391	220	2000	5.985	5.985		0.4419	4.35E-03	829.2517	305.5549	1134.8066		
	8/7/2008 21:00	392	220	2100	7.43	7.43		0.1615	1.26E-03	240.1769	88.4981	328.6750		
	8/7/2008 22:00	393	220	2200	8.15	8.15		0.0589	3.64E-04	69.3776	25.5636	94.9412		
	8/7/2008 23:00	394	220	2300	8.37	8.37		0.0311	1.66E-04	31.5648	11.6307	43.1955		
	8/8/2008 0:00	395	221	0	8.46	8.46	8.49	0.0201	9.70E-05	18.4644	6.8036	25.2680		
	8/8/2008 1:00	396	221	100	8.49	8.49		0.0165	7.60E-05	14.4759	5.3339	19.8098		
	8/8/2008 2:00	397	221	200	8.47	8.47		0.0189	8.99E-05	17.1117	6.3052	23.4169		
	8/8/2008 3:00	398	221	300	8.35	8.35		0.0335	1.82E-04	34.6818	12.7792	47.4610		
	8/8/2008 4:00	399	221	400	8.24	8.24		0.0473	2.78E-04	53.0079	19.5318	72.5397		
	8/8/2008 5:00	400	221	500	8.11	8.11		0.0641	4.05E-04	77.0268	28.3821	105.4089		
	8/8/2008 6:00	401	221	600	7.987	7.987		0.0805	5.35E-04	101.9342	37.5597	139.4939		
	8/8/2008 7:00	402	221	700	7.883	7.883		0.0948	6.54E-04	124.5882	45.9071	170.4952		
	8/8/2008 8:00	403	221	800	7.797	7.797		0.1068	7.58E-04	144.4101	53.2109	197.6210		
	8/8/2008 9:00	404	221	900	6.601	6.601		0.3074	2.79E-03	530.3603	195.4221	725.7824		
	8/8/2008 10:00	405	221	1000	4.782	4.782		0.8047	9.11E-03	1734.0888	638.9607	2373.0495		
	8/8/2008 11:00	406	221	1100	4.715	4.715		0.8303	9.47E-03	1802.3668	664.1191	2466.4859		
	8/8/2008 12:00	407	221	1200	4.489	4.489		0.9225	1.08E-02	2051.6663	755.9786	2807.6449		
	8/8/2008 13:00	408	221	1300	4.41	4.41		0.9569	1.13E-02	2146.3576	790.8696	2937.2271		
	8/8/2008 14:00	409	221	1400	4.446	4.446		0.9411	1.10E-02	2102.6902	774.7795	2877.4697		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	4.599	4.599		0.8765	1.01E-02	1926.5081	709.8615	2636.3697		
	8/8/2008 16:00	411	221	1600	4.641	4.641		0.8595	9.88E-03	1880.6637	692.9692	2573.6329		
	8/8/2008 17:00	412	221	1700	4.834	4.834		0.7853	8.84E-03	1682.7338	620.0379	2302.7717		
	8/8/2008 18:00	413	221	1800	5.257	5.257		0.6416	6.89E-03	1312.2181	483.5137	1795.7318		
	8/8/2008 19:00	414	221	1900	5.275	5.275		0.6360	6.82E-03	1298.1294	478.3225	1776.4519		
	8/8/2008 20:00	415	221	2000	6.043	6.043		0.4281	4.19E-03	797.4011	293.8188	1091.2199		
	8/8/2008 21:00	416	221	2100	7.347	7.347		0.1746	1.39E-03	264.4185	97.4304	361.8490		
	8/8/2008 22:00	417	221	2200	7.97	7.97		0.0828	5.54E-04	105.5382	38.8877	144.4259		
	8/8/2008 23:00	418	221	2300	8.14	8.14		0.0602	3.74E-04	71.2687	26.2604	97.5292		
	8/9/2008 0:00	419	222	0	8.17	8.17	8.17	0.0563	3.45E-04	65.6381	24.1857	89.8238		
	8/9/2008 1:00	420	222	100	8.15	8.15		0.0589	3.64E-04	69.3776	25.5636	94.9412		
	8/9/2008 2:00	421	222	200	8.15	8.15		0.0589	3.64E-04	69.3776	25.5636	94.9412		
	8/9/2008 3:00	422	222	300	8.1	8.1		0.0654	4.15E-04	78.9741	29.0996	108.0738		
	8/9/2008 4:00	423	222	400	8.03	8.03		0.0747	4.88E-04	92.9920	34.2648	127.2568		
	8/9/2008 5:00	424	222	500	7.88	7.88		0.0952	6.58E-04	125.2631	46.1557	171.4188		
	8/9/2008 6:00	425	222	600	7.791	7.791		0.1077	7.66E-04	145.8297	53.7340	199.5637		
	8/9/2008 7:00	426	222	700	7.48	7.48		0.1537	1.19E-03	226.0438	83.2905	309.3342		
	8/9/2008 8:00	427	222	800	6.85	6.85		0.2599	2.27E-03	431.2988	158.9209	590.2198		
	8/9/2008 9:00	428	222	900	7.191	7.191		0.2001	1.64E-03	312.6883	115.2164	427.9047		
	8/9/2008 10:00	429	222	1000	6.979	6.979		0.2366	2.02E-03	384.2232	141.5749	525.7981		
	8/9/2008 11:00	430	222	1100	6.399	6.399		0.3486	3.25E-03	619.3346	228.2066	847.5411		
	8/9/2008 12:00	431	222	1200	5.558	5.558		0.5527	5.74E-03	1092.1119	402.4111	1494.5230		
	8/9/2008 13:00	432	222	1300	5.23	5.23		0.6501	7.00E-03	1333.5869	491.3875	1824.9744		
	8/9/2008 14:00	433	222	1400	4.627	4.627		0.8651	9.96E-03	1895.8297	698.5574	2594.3872		
	8/9/2008 15:00	434	222	1500	4.511	4.511		0.9131	1.06E-02	2026.0268	746.5313	2772.5581		
	8/9/2008 16:00	435	222	1600	4.564	4.564		0.8909	1.03E-02	1965.5175	724.2353	2689.7528		
	8/9/2008 17:00	436	222	1700	4.968	4.968		0.7371	8.17E-03	1556.6253	573.5706	2130.1959		
	8/9/2008 18:00	437	222	1800	5.048	5.048		0.7096	7.80E-03	1485.3713	547.3156	2032.6869		
	8/9/2008 19:00	438	222	1900	5.4	5.4		0.5981	6.32E-03	1203.6437	443.5073	1647.1509		
	8/9/2008 20:00	439	222	2000	6.079	6.079		0.4196	4.09E-03	778.0537	286.6899	1064.7435		
	8/9/2008 21:00	440	222	2100	7.604	7.604		0.1349	1.01E-03	192.4890	70.9265	263.4155		
	8/9/2008 22:00	441	222	2200	8.15	8.15		0.0589	3.64E-04	69.3776	25.5636	94.9412		
	8/9/2008 23:00	442	222	2300	8.12	8.12		0.0628	3.94E-04	75.0934	27.6697	102.7631		
	8/10/2008 0:00	443	223	0	8.05	8.05	8.05	0.0720	4.67E-04	88.9184	32.7638	121.6822		
	8/10/2008 1:00	444	223	100	7.978	7.978		0.0817	5.45E-04	103.8373	38.2610	142.0984		
	8/10/2008 2:00	445	223	200	7.893	7.893		0.0934	6.43E-04	122.3471	45.0813	167.4285		
	8/10/2008 3:00	446	223	300	7.814	7.814		0.1044	7.37E-04	140.4138	51.7383	192.1521		
	8/10/2008 4:00	447	223	400	7.738	7.738		0.1153	8.33E-04	158.5782	58.4314	217.0096		
	8/10/2008 5:00	448	223	500	7.668	7.668		0.1255	9.24E-04	175.9913	64.8476	240.8389		
	8/10/2008 6:00	449	223	600	7.603	7.603		0.1351	1.01E-03	192.7512	71.0231	263.7743		
	8/10/2008 7:00	450	223	700	7.545	7.545		0.1438	1.09E-03	208.1909	76.7122	284.9032		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	7.517	7.517		0.1481	1.13E-03	215.8097	79.5195	295.3293		
	8/10/2008 9:00	452	223	900	7.281	7.281		0.1853	1.49E-03	284.4028	104.7941	389.1969		
	8/10/2008 10:00	453	223	1000	5.062	5.062		0.7049	7.74E-03	1473.1968	542.8297	2016.0265		
	8/10/2008 11:00	454	223	1100	4.442	4.442		0.9428	1.11E-02	2107.4989	776.5513	2884.0503		
	8/10/2008 12:00	455	223	1200	4.351	4.351		0.9835	1.17E-02	2219.8598	817.9530	3037.8128		
	8/10/2008 13:00	456	223	1300	4.177	4.177		1.0661	1.29E-02	2451.6228	903.3508	3354.9736		
	8/10/2008 14:00	457	223	1400	4.173	4.173		1.0681	1.29E-02	2457.2303	905.4171	3362.6474		
	8/10/2008 15:00	458	223	1500	4.606	4.606		0.8736	1.01E-02	1918.7949	707.0194	2625.8143		
	8/10/2008 16:00	459	223	1600	4.429	4.429		0.9485	1.12E-02	2123.2015	782.3373	2905.5387		
	8/10/2008 17:00	460	223	1700	4.82	4.82		0.7905	8.91E-03	1696.4228	625.0819	2321.5046		
	8/10/2008 18:00	461	223	1800	6.993	6.993		0.2341	1.99E-03	379.2796	139.7534	519.0330		
	8/10/2008 19:00	462	223	1900	7.457	7.457		0.1573	1.22E-03	232.5015	85.6700	318.1714		
	8/10/2008 20:00	463	223	2000	7.399	7.399		0.1664	1.31E-03	249.1162	91.7920	340.9082		
	8/10/2008 21:00	464	223	2100	7.382	7.382		0.1691	1.33E-03	254.0764	93.6197	347.6960		
	8/10/2008 22:00	465	223	2200	7.474	7.474		0.1547	1.20E-03	227.7213	83.9086	311.6298		
	8/10/2008 23:00	466	223	2300	7.472	7.472		0.1550	1.20E-03	228.2815	84.1150	312.3966		
	8/11/2008 0:00	467	224	0	7.501	7.501	7.68	0.1505	1.16E-03	220.2120	81.1416	301.3536		
	8/11/2008 1:00	468	224	100	7.607	7.607		0.1345	1.01E-03	191.7033	70.6370	262.3403		
	8/11/2008 2:00	469	224	200	7.675	7.675		0.1244	9.15E-04	174.2204	64.1951	238.4155		
	8/11/2008 3:00	470	224	300	7.667	7.667		0.1256	9.26E-04	176.2448	64.9410	241.1858		
	8/11/2008 4:00	471	224	400	7.634	7.634		0.1305	9.70E-04	184.6867	68.0516	252.7384		
	8/11/2008 5:00	472	224	500	7.609	7.609		0.1342	1.00E-03	191.1801	70.4443	261.6244		
	8/11/2008 6:00	473	224	600	7.58	7.58		0.1385	1.04E-03	198.8189	73.2589	272.0778		
	8/11/2008 7:00	474	224	700	7.533	7.533		0.1456	1.11E-03	211.4429	77.9105	289.3534		
	8/11/2008 8:00	475	224	800	7.514	7.514		0.1485	1.14E-03	216.6325	79.8227	296.4551		
	8/11/2008 9:00	476	224	900	7.127	7.127		0.2109	1.75E-03	333.5452	122.9016	456.4467		
	8/11/2008 10:00	477	224	1000	5.288	5.288		0.6320	6.76E-03	1288.0316	474.6017	1762.6333		
	8/11/2008 11:00	478	224	1100	4.411	4.411		0.9565	1.13E-02	2145.1327	790.4182	2935.5509		
	8/11/2008 12:00	479	224	1200	4.402	4.402		0.9605	1.13E-02	2156.1815	794.4894	2950.6709		
	8/11/2008 13:00	480	224	1300	4.737	4.737		0.8218	9.35E-03	1779.6794	655.7595	2435.4389		
	8/11/2008 14:00	481	224	1400	4.431	4.431		0.9476	1.11E-02	2120.7783	781.4444	2902.2226		
	8/11/2008 15:00	482	224	1500	4.379	4.379		0.9708	1.15E-02	2184.6725	804.9875	2989.6600		
	8/11/2008 16:00	483	224	1600	4.702	4.702		0.8354	9.54E-03	1815.8983	669.1051	2485.0034		
	8/11/2008 17:00	484	224	1700	4.777	4.777		0.8066	9.13E-03	1739.1011	640.8076	2379.9087		
	8/11/2008 18:00	485	224	1800	5.1	5.1		0.6922	7.57E-03	1440.5825	530.8122	1971.3947		
	8/11/2008 19:00	486	224	1900	5.277	5.277		0.6354	6.81E-03	1296.5717	477.7485	1774.3202		
	8/11/2008 20:00	487	224	2000	5.916	5.916		0.4588	4.56E-03	868.2672	319.9309	1188.1981		
	8/11/2008 21:00	488	224	2100	6.747	6.747		0.2791	2.47E-03	470.9251	173.5220	644.4471		
	8/11/2008 22:00	489	224	2200	7.18	7.18		0.2019	1.66E-03	316.2286	116.5209	432.7496		
	8/11/2008 23:00	490	224	2300	7.338	7.338		0.1761	1.40E-03	267.1064	98.4209	365.5273		
	8/12/2008 0:00	491	225	0	7.417	7.417	7.42	0.1635	1.28E-03	243.9091	89.8733	333.7824		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	7.403	7.403		0.1657	1.30E-03	247.9551	91.3642	339.3193		
	8/12/2008 2:00	493	225	200	6.754	6.754		0.2778	2.46E-03	468.1729	172.5079	640.6809		
	8/12/2008 3:00	494	225	300	6.706	6.706		0.2869	2.56E-03	487.2212	179.5267	666.7478		
	8/12/2008 4:00	495	225	400	6.683	6.683		0.2913	2.61E-03	496.4962	182.9443	679.4405		
	8/12/2008 5:00	496	225	500	6.688	6.688		0.2904	2.60E-03	494.4717	182.1983	676.6700		
	8/12/2008 6:00	497	225	600	6.789	6.789		0.2712	2.39E-03	454.5426	167.4856	622.0282		
	8/12/2008 7:00	498	225	700	6.947	6.947		0.2423	2.08E-03	395.6429	145.7828	541.4257		
	8/12/2008 8:00	499	225	800	7.041	7.041		0.2257	1.90E-03	362.5701	133.5964	496.1665		
	8/12/2008 9:00	500	225	900	6.902	6.902		0.2504	2.16E-03	411.9880	151.8054	563.7934		
	8/12/2008 10:00	501	225	1000	5.326	5.326		0.6204	6.61E-03	1258.8814	463.8607	1722.7421		
	8/12/2008 11:00	502	225	1100	4.6	4.6		0.8761	1.01E-02	1925.4044	709.4549	2634.8593		
	8/12/2008 12:00	503	225	1200	4.38	4.38		0.9703	1.15E-02	2183.4261	804.5282	2987.9543		
	8/12/2008 13:00	504	225	1300	4.058	4.058		1.1267	1.38E-02	2624.2487	966.9584	3591.2070		
	8/12/2008 14:00	505	225	1400	3.962	3.962		1.1782	1.46E-02	2772.7691	1021.6838	3794.4529		
	8/12/2008 15:00	506	225	1500	4.071	4.071		1.1199	1.37E-02	2604.7903	959.7885	3564.5788		
	8/12/2008 16:00	507	225	1600	4.158	4.158		1.0755	1.30E-02	2478.3764	913.2087	3391.5851		
	8/12/2008 17:00	508	225	1700	4.352	4.352		0.9830	1.17E-02	2218.5935	817.4864	3036.0799		
	8/12/2008 18:00	509	225	1800	4.523	4.523		0.9080	1.06E-02	2012.1721	741.4262	2753.5983		
	8/12/2008 19:00	510	225	1900	4.896	4.896		0.7627	8.53E-03	1623.2976	598.1374	2221.4350		
	8/12/2008 20:00	511	225	2000	5.494	5.494		0.5708	5.97E-03	1136.2721	418.6828	1554.9549		
	8/12/2008 21:00	512	225	2100	6.889	6.889		0.2527	2.19E-03	416.7728	153.5685	570.3413		
	8/12/2008 22:00	513	225	2200	7.384	7.384		0.1687	1.33E-03	253.4907	93.4039	346.8945		
	8/12/2008 23:00	514	225	2300	7.423	7.423		0.1626	1.27E-03	242.1836	89.2375	331.4211		
	8/13/2008 0:00	515	226	0	7.382	7.382	7.41	0.1691	1.33E-03	254.0764	93.6197	347.6960		
	8/13/2008 1:00	516	226	100	7.373	7.373		0.1705	1.35E-03	256.7190	94.5934	351.3124		
	8/13/2008 2:00	517	226	200	7.345	7.345		0.1749	1.39E-03	265.0148	97.6502	362.6650		
	8/13/2008 3:00	518	226	300	7.405	7.405		0.1654	1.30E-03	247.3754	91.1506	338.5260		
	8/13/2008 4:00	519	226	400	7.379	7.379		0.1695	1.34E-03	254.9560	93.9438	348.8997		
	8/13/2008 5:00	520	226	500	7.384	7.384		0.1687	1.33E-03	253.4907	93.4039	346.8945		
	8/13/2008 6:00	521	226	600	7.387	7.387		0.1683	1.33E-03	252.6132	93.0805	345.6938		
	8/13/2008 7:00	522	226	700	7.321	7.321		0.1788	1.43E-03	272.2155	100.3034	372.5189		
	8/13/2008 8:00	523	226	800	7.33	7.33		0.1774	1.42E-03	269.5055	99.3048	368.8103		
	8/13/2008 9:00	524	226	900	6.52	6.52		0.3236	2.97E-03	565.0661	208.2102	773.2763		
	8/13/2008 10:00	525	226	1000	4.786	4.786		0.8032	9.09E-03	1730.0884	637.4867	2367.5751		
	8/13/2008 11:00	526	226	1100	4.664	4.664		0.8503	9.75E-03	1855.9949	683.8795	2539.8743		
	8/13/2008 12:00	527	226	1200	4.195	4.195		1.0572	1.27E-02	2426.5506	894.1125	3320.6631		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.14	5.14	9.91	0.9280	1.09E-02	2615.8445	963.8617	3579.7062		
W709EC	7/22/2008 14:00	1	204	1400	5.595	5.595		0.7712	8.64E-03	2082.9116	767.4916	2850.4033		
	7/22/2008 15:00	2	204	1500	5.56	5.56		0.7824	8.80E-03	2120.0427	781.1733	2901.2160		
Probe #	7/22/2008 16:00	3	204	1600	5.567	5.567		0.7801	8.77E-03	2112.5692	778.4196	2890.9888		
	7/22/2008 17:00	4	204	1700	5.598	5.598		0.7703	8.63E-03	2079.7563	766.3290	2846.0853		
6	7/22/2008 18:00	5	204	1800	5.629	5.629		0.7605	8.50E-03	2047.4000	754.4066	2801.8067		
	7/22/2008 19:00	6	204	1900	5.814	5.814		0.7045	7.73E-03	1863.3641	686.5948	2549.9590		
	7/22/2008 20:00	7	204	2000	6.284	6.284		0.5770	6.05E-03	1457.3984	537.0084	1994.4068		
	7/22/2008 21:00	8	204	2100	8.08	8.08		0.2265	1.91E-03	460.8985	169.8275	630.7260		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.51	9.51		0.0421	2.41E-04	58.0159	21.3772	79.3931		
	7/22/2008 23:00	10	204	2300	9.91	9.91		0.0000	0.00E+00	0.0000	0.0000	0.0000		
11.4	7/23/2008 0:00	11	205	0	10.2	10.2	10.37	-0.0284	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	10.3	10.3		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	10.31	10.31		-0.0388	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	10.37	10.37		-0.0444	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	10.36	10.36		-0.0434	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	10.34	10.34		-0.0416	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.84	9.84		0.0071	2.70E-05	6.5086	2.3982	8.9069		
	7/23/2008 8:00	19	205	800	8.62	8.62		0.1497	1.15E-03	276.7438	101.9719	378.7157		
	7/23/2008 9:00	20	205	900	7.004	7.004		0.4149	4.03E-03	971.0625	357.8080	1328.8705		
	7/23/2008 10:00	21	205	1000	5.798	5.798		0.7092	7.80E-03	1878.6907	692.2422	2570.9329		
	7/23/2008 11:00	22	205	1100	5.816	5.816		0.7039	7.72E-03	1861.4559	685.8917	2547.3476		
	7/23/2008 12:00	23	205	1200	5.83	5.83		0.6998	7.67E-03	1848.1451	680.9871	2529.1322		
	7/23/2008 13:00	24	205	1300	5.739	5.739		0.7268	8.03E-03	1936.1530	713.4154	2649.5684		
	7/23/2008 14:00	25	205	1400	5.736	5.736		0.7277	8.05E-03	1939.1151	714.5069	2653.6220		
	7/23/2008 15:00	26	205	1500	5.707	5.707		0.7365	8.17E-03	1967.9539	725.1331	2693.0869		
	7/23/2008 16:00	27	205	1600	5.85	5.85		0.6940	7.59E-03	1829.2711	674.0326	2503.3036		
	7/23/2008 17:00	28	205	1700	6.294	6.294		0.5745	6.02E-03	1449.6120	534.1393	1983.7513		
	7/23/2008 18:00	29	205	1800	7.053	7.053		0.4051	3.91E-03	942.8197	347.4013	1290.2210		
	7/23/2008 19:00	30	205	1900	6.969	6.969		0.4220	4.11E-03	991.5758	365.3665	1356.9423		
	7/23/2008 20:00	31	205	2000	7.514	7.514		0.3189	2.91E-03	702.2669	258.7647	961.0316		
	7/23/2008 21:00	32	205	2100	8.63	8.63		0.1483	1.14E-03	273.7144	100.8557	374.5700		
	7/23/2008 22:00	33	205	2200	9.33	9.33		0.0622	3.89E-04	93.8441	34.5788	128.4229		
	7/23/2008 23:00	34	205	2300	9.42	9.42		0.0520	3.13E-04	75.3574	27.7670	103.1244		
	7/24/2008 0:00	35	206	0	9.42	9.42	10.14	0.0520	3.13E-04	75.3574	27.7670	103.1244		
	7/24/2008 1:00	36	206	100	9.51	9.51		0.0421	2.41E-04	58.0159	21.3772	79.3931		
	7/24/2008 2:00	37	206	200	9.64	9.64		0.0280	1.46E-04	35.1691	12.9588	48.1279		
	7/24/2008 3:00	38	206	300	9.77	9.77		0.0143	6.40E-05	15.4126	5.6791	21.0916		
	7/24/2008 4:00	39	206	400	9.86	9.86		0.0051	1.78E-05	4.2906	1.5810	5.8716		
	7/24/2008 5:00	40	206	500	9.95	9.95		-0.0040	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.98	9.98		-0.0070	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.98	9.98		-0.0070	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.63	9.63		0.0291	1.53E-04	36.8264	13.5694	50.3958		
	7/24/2008 9:00	44	206	900	9	9		0.1011	7.09E-04	170.7886	62.9306	233.7191		
	7/24/2008 10:00	45	206	1000	9.1	9.1		0.0890	6.06E-04	145.9878	53.7922	199.7800		
	7/24/2008 11:00	46	206	1100	6.748	6.748		0.4686	4.68E-03	1127.9502	415.6165	1543.5667		
	7/24/2008 12:00	47	206	1200	5.909	5.909		0.6771	7.36E-03	1774.5456	653.8678	2428.4134		
	7/24/2008 13:00	48	206	1300	6.301	6.301		0.5728	5.99E-03	1444.1808	532.1381	1976.3190		
	7/24/2008 14:00	49	206	1400	6.13	6.13		0.6166	6.56E-03	1581.5392	582.7506	2164.2898		
	7/24/2008 15:00	50	206	1500	5.794	5.794		0.7104	7.81E-03	1882.5393	693.6603	2576.1996		
	7/24/2008 16:00	51	206	1600	5.74	5.74		0.7265	8.03E-03	1935.1665	713.0519	2648.2184		
	7/24/2008 17:00	52	206	1700	5.907	5.907		0.6777	7.37E-03	1776.3777	654.5429	2430.9206		
	7/24/2008 18:00	53	206	1800	5.825	5.825		0.7013	7.69E-03	1852.8895	682.7353	2535.6248		
	7/24/2008 19:00	54	206	1900	6.144	6.144		0.6130	6.51E-03	1569.9168	578.4681	2148.3849		
	7/24/2008 20:00	55	206	2000	7.242	7.242		0.3684	3.48E-03	838.8809	309.1029	1147.9838		
	7/24/2008 21:00	56	206	2100	8.87	8.87		0.1172	8.50E-04	204.9394	75.5141	280.4535		
	7/24/2008 22:00	57	206	2200	9.94	9.94		-0.0030	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	10.14	10.14		-0.0227	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	10.16	10.16	10.19	-0.0246	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	10.1	10.1		-0.0188	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	10.02	10.02		-0.0110	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.97	9.97		-0.0060	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.98	9.98		-0.0070	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	10.04	10.04		-0.0129	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	10.14	10.14		-0.0227	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	10.12	10.12		-0.0208	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	10.1	10.1		-0.0188	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.98	9.98		-0.0070	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	9.85	9.85		0.0061	2.23E-05	5.3769	1.9812	7.3582		
	7/25/2008 11:00	70	207	1100	8.76	8.76		0.1313	9.77E-04	235.5309	86.7862	322.3171		
	7/25/2008 12:00	71	207	1200	7.088	7.088		0.3981	3.83E-03	922.9802	340.0910	1263.0712		
	7/25/2008 13:00	72	207	1300	6.451	6.451		0.5362	5.53E-03	1331.5229	490.6270	1822.1499		
	7/25/2008 14:00	73	207	1400	5.987	5.987		0.6553	7.07E-03	1704.3192	627.9915	2332.3106		
	7/25/2008 15:00	74	207	1500	5.937	5.937		0.6692	7.26E-03	1749.0624	644.4780	2393.5404		
	7/25/2008 16:00	75	207	1600	6.012	6.012		0.6484	6.98E-03	1682.3073	619.8807	2302.1881		
	7/25/2008 17:00	76	207	1700	5.801	5.801		0.7083	7.78E-03	1875.8087	691.1803	2566.9891		
	7/25/2008 18:00	77	207	1800	5.837	5.837		0.6978	7.64E-03	1841.5203	678.5460	2520.0664		
	7/25/2008 19:00	78	207	1900	5.929	5.929		0.6714	7.29E-03	1756.3117	647.1492	2403.4609		
	7/25/2008 20:00	79	207	2000	6.815	6.815		0.4541	4.50E-03	1085.3209	399.9088	1485.2298		
	7/25/2008 21:00	80	207	2100	8.63	8.63		0.1483	1.14E-03	273.7144	100.8557	374.5700		
	7/25/2008 22:00	81	207	2200	9.95	9.95		-0.0040	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	10.19	10.19		-0.0275	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	10.26	10.26	10.26	-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	10.23	10.23		-0.0313	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	10.19	10.19		-0.0275	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	10.14	10.14		-0.0227	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	10.08	10.08		-0.0169	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	10.01	10.01		-0.0100	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	9.94	9.94		-0.0030	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	9.86	9.86		0.0051	1.78E-05	4.2906	1.5810	5.8716		
	7/26/2008 9:00	92	208	900	8.33	8.33		0.1897	1.54E-03	370.4966	136.5171	507.0137		
	7/26/2008 10:00	93	208	1000	6.187	6.187		0.6017	6.37E-03	1534.6477	565.4725	2100.1202		
	7/26/2008 11:00	94	208	1100	6.365	6.365		0.5570	5.79E-03	1395.2536	514.1099	1909.3635		
	7/26/2008 12:00	95	208	1200	6.707	6.707		0.4776	4.79E-03	1154.6109	425.4401	1580.0510		
	7/26/2008 13:00	96	208	1300	6.029	6.029		0.6437	6.92E-03	1667.4740	614.4151	2281.8891		
	7/26/2008 14:00	97	208	1400	5.948	5.948		0.6661	7.22E-03	1739.1356	640.8203	2379.9559		
	7/26/2008 15:00	98	208	1500	5.902	5.902		0.6791	7.39E-03	1780.9650	656.2332	2437.1982		
	7/26/2008 16:00	99	208	1600	5.967	5.967		0.6608	7.15E-03	1722.1004	634.5433	2356.6437		
	7/26/2008 17:00	100	208	1700	5.786	5.786		0.7128	7.84E-03	1890.2568	696.5040	2586.7608		
	7/26/2008 18:00	101	208	1800	5.935	5.935		0.6698	7.27E-03	1750.8724	645.1449	2396.0173		
	7/26/2008 19:00	102	208	1900	6.069	6.069		0.6329	6.78E-03	1632.9961	601.7110	2234.7071		
	7/26/2008 20:00	103	208	2000	6.68	6.68		0.4835	4.86E-03	1172.4110	431.9989	1604.4099		
	7/26/2008 21:00	104	208	2100	8.6	8.6		0.1523	1.17E-03	282.8426	104.2192	387.0617		
	7/26/2008 22:00	105	208	2200	9.83	9.83		0.0081	3.19E-05	7.6811	2.8302	10.5113		
	7/26/2008 23:00	106	208	2300	10.1	10.1		-0.0188	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	10.16	10.16	10.26	-0.0246	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	10.23	10.23		-0.0313	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	10.25	10.25		-0.0332	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	10.25	10.25		-0.0332	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	10.18	10.18		-0.0265	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	10.11	10.11		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 8:00	115	209	800	9.9	9.9		0.0010	2.44E-06	0.5887	0.2169	0.8057		
	7/27/2008 9:00	116	209	900	7.373	7.373		0.3441	3.20E-03	771.2583	284.1860	1055.4442		
	7/27/2008 10:00	117	209	1000	5.826	5.826		0.7010	7.68E-03	1851.9398	682.3853	2534.3251		
	7/27/2008 11:00	118	209	1100	5.797	5.797		0.7095	7.80E-03	1879.6522	692.5965	2572.2487		
	7/27/2008 12:00	119	209	1200	5.817	5.817		0.7036	7.72E-03	1860.5024	685.5404	2546.0428		
	7/27/2008 13:00	120	209	1300	5.872	5.872		0.6877	7.51E-03	1808.6999	666.4527	2475.1525		
	7/27/2008 14:00	121	209	1400	5.77	5.77		0.7175	7.91E-03	1905.7740	702.2216	2607.9956		
	7/27/2008 15:00	122	209	1500	5.748	5.748		0.7241	8.00E-03	1927.2902	710.1497	2637.4399		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.767	5.767		0.7184	7.92E-03	1908.6957	703.2982	2611.9938		
	7/27/2008 17:00	124	209	1700	5.794	5.794		0.7104	7.81E-03	1882.5393	693.6603	2576.1996		
	7/27/2008 18:00	125	209	1800	5.866	5.866		0.6894	7.53E-03	1814.2906	668.5127	2482.8032		
	7/27/2008 19:00	126	209	1900	6.012	6.012		0.6484	6.98E-03	1682.3073	619.8807	2302.1881		
	7/27/2008 20:00	127	209	2000	6.452	6.452		0.5360	5.52E-03	1330.7951	490.3588	1821.1540		
	7/27/2008 21:00	128	209	2100	7.832	7.832		0.2653	2.32E-03	560.0358	206.3567	766.3925		
	7/27/2008 22:00	129	209	2200	9.25	9.25		0.0714	4.61E-04	111.1961	40.9725	152.1686		
	7/27/2008 23:00	130	209	2300	9.52	9.52		0.0410	2.33E-04	56.1629	20.6944	76.8573		
	7/28/2008 0:00	131	210	0	9.62	9.62	10.22	0.0301	1.60E-04	38.5012	14.1866	52.6878		
	7/28/2008 1:00	132	210	100	9.82	9.82		0.0092	3.69E-05	8.8907	3.2760	12.1666		
	7/28/2008 2:00	133	210	200	9.92	9.92		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 3:00	134	210	300	10.07	10.07		-0.0159	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 4:00	135	210	400	10.11	10.11		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 5:00	136	210	500	10.21	10.21		-0.0294	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 6:00	137	210	600	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 7:00	138	210	700	10.08	10.08		-0.0169	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 8:00	139	210	800	7.961	7.961		0.2448	2.10E-03	507.2460	186.9052	694.1512		
	7/28/2008 9:00	140	210	900	6.416	6.416		0.5446	5.63E-03	1357.1863	500.0832	1857.2695		
	7/28/2008 10:00	141	210	1000	6.047	6.047		0.6388	6.85E-03	1651.8858	608.6713	2260.5570		
	7/28/2008 11:00	142	210	1100	5.976	5.976		0.6583	7.11E-03	1714.0799	631.5880	2345.6678		
	7/28/2008 12:00	143	210	1200	6.119	6.119		0.6195	6.60E-03	1590.7197	586.1334	2176.8531		
	7/28/2008 13:00	144	210	1300	5.978	5.978		0.6577	7.11E-03	1712.3017	630.9328	2343.2345		
	7/28/2008 14:00	145	210	1400	5.953	5.953		0.6647	7.20E-03	1734.6391	639.1635	2373.8025		
	7/28/2008 15:00	146	210	1500	5.869	5.869		0.6885	7.52E-03	1811.4934	667.4820	2478.9754		
	7/28/2008 16:00	147	210	1600	5.873	5.873		0.6874	7.50E-03	1807.7695	666.1098	2473.8793		
	7/28/2008 17:00	148	210	1700	5.863	5.863		0.6903	7.54E-03	1817.0914	669.5447	2486.6361		
	7/28/2008 18:00	149	210	1800	5.906	5.906		0.6780	7.37E-03	1777.2944	654.8807	2432.1750		
	7/28/2008 19:00	150	210	1900	6.073	6.073		0.6318	6.76E-03	1629.5807	600.4525	2230.0332		
	7/28/2008 20:00	151	210	2000	6.723	6.723		0.4740	4.75E-03	1144.1541	421.5871	1565.7412		
	7/28/2008 21:00	152	210	2100	8.44	8.44		0.1742	1.38E-03	333.5735	122.9120	456.4855		
	7/28/2008 22:00	153	210	2200	9.14	9.14		0.0842	5.66E-04	136.4259	50.2689	186.6948		
	7/28/2008 23:00	154	210	2300	9.42	9.42		0.0520	3.13E-04	75.3574	27.7670	103.1244		
	7/29/2008 0:00	155	211	0	9.71	9.71	10.31	0.0206	1.00E-04	24.0909	8.8768	32.9676		
	7/29/2008 1:00	156	211	100	9.95	9.95		-0.0040	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 2:00	157	211	200	10.13	10.13		-0.0217	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 3:00	158	211	300	10.23	10.23		-0.0313	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 4:00	159	211	400	10.31	10.31		-0.0388	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 5:00	160	211	500	10.29	10.29		-0.0369	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 7:00	162	211	700	10.15	10.15		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 8:00	163	211	800	9.27	9.27		0.0690	4.43E-04	106.7785	39.3447	146.1232		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	7.187	7.187		0.3789	3.60E-03	868.3302	319.9541	1188.2843		
	7/29/2008 10:00	165	211	1000	6.369	6.369		0.5560	5.78E-03	1392.2387	512.9990	1905.2377		
	7/29/2008 11:00	166	211	1100	6.702	6.702		0.4787	4.80E-03	1157.8925	426.6493	1584.5418		
	7/29/2008 12:00	167	211	1200	6.126	6.126		0.6177	6.58E-03	1584.8726	583.9789	2168.8515		
	7/29/2008 13:00	168	211	1300	6.172	6.172		0.6056	6.42E-03	1546.8780	569.9790	2116.8570		
	7/29/2008 14:00	169	211	1400	5.986	5.986		0.6555	7.08E-03	1705.2046	628.3177	2333.5223		
	7/29/2008 15:00	170	211	1500	6.115	6.115		0.6206	6.61E-03	1594.0688	587.3674	2181.4362		
	7/29/2008 16:00	171	211	1600	6.23	6.23		0.5907	6.22E-03	1500.0139	552.7110	2052.7248		
	7/29/2008 17:00	172	211	1700	6.433	6.433		0.5405	5.58E-03	1344.6749	495.4731	1840.1480		
	7/29/2008 18:00	173	211	1800	6.413	6.413		0.5453	5.64E-03	1359.4033	500.9001	1860.3035		
	7/29/2008 19:00	174	211	1900	6.454	6.454		0.5355	5.52E-03	1329.3404	489.8228	1819.1632		
	7/29/2008 20:00	175	211	2000	7.465	7.465		0.3275	3.01E-03	725.8100	267.4396	993.2497		
	7/29/2008 21:00	176	211	2100	9.11	9.11		0.0878	5.96E-04	143.5780	52.9043	196.4823		
	7/29/2008 22:00	177	211	2200	9.89	9.89		0.0020	5.74E-06	1.3837	0.5098	1.8935		
	7/29/2008 23:00	178	211	2300	10.08	10.08		-0.0169	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 0:00	179	212	0	10.11	10.11	10.11	-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	10.1	10.1		-0.0188	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 2:00	181	212	200	10.07	10.07		-0.0159	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 3:00	182	212	300	10.05	10.05		-0.0139	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 4:00	183	212	400	9.99	9.99		-0.0080	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 5:00	184	212	500	9.92	9.92		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 6:00	185	212	600	9.85	9.85		0.0061	2.23E-05	5.3769	1.9812	7.3582		
	7/30/2008 7:00	186	212	700	9.76	9.76		0.0154	6.97E-05	16.7999	6.1903	22.9902		
	7/30/2008 8:00	187	212	800	9.72	9.72		0.0195	9.37E-05	22.5881	8.3231	30.9112		
	7/30/2008 9:00	188	212	900	8.22	8.22		0.2056	1.70E-03	409.1407	150.7563	559.8971		
	7/30/2008 10:00	189	212	1000	5.836	5.836		0.6981	7.65E-03	1842.4655	678.8943	2521.3598		
	7/30/2008 11:00	190	212	1100	5.842	5.842		0.6963	7.62E-03	1836.8008	676.8070	2513.6079		
	7/30/2008 12:00	191	212	1200	5.952	5.952		0.6650	7.20E-03	1735.5376	639.4945	2375.0322		
	7/30/2008 13:00	192	212	1300	5.936	5.936		0.6695	7.26E-03	1749.9672	644.8114	2394.7786		
	7/30/2008 14:00	193	212	1400	5.944	5.944		0.6672	7.23E-03	1742.7399	642.1484	2384.8883		
	7/30/2008 15:00	194	212	1500	6.045	6.045		0.6394	6.86E-03	1653.6118	609.3073	2262.9191		
	7/30/2008 16:00	195	212	1600	5.914	5.914		0.6757	7.34E-03	1769.9722	652.1827	2422.1549		
	7/30/2008 17:00	196	212	1700	5.976	5.976		0.6583	7.11E-03	1714.0799	631.5880	2345.6678		
	7/30/2008 18:00	197	212	1800	6.073	6.073		0.6318	6.76E-03	1629.5807	600.4525	2230.0332		
	7/30/2008 19:00	198	212	1900	6.201	6.201		0.5981	6.32E-03	1523.3025	561.2921	2084.5947		
	7/30/2008 20:00	199	212	2000	6.812	6.812		0.4548	4.51E-03	1087.2052	400.6031	1487.8084		
	7/30/2008 21:00	200	212	2100	8.46	8.46		0.1714	1.36E-03	327.0412	120.5051	447.5463		
	7/30/2008 22:00	201	212	2200	9.54	9.54		0.0388	2.18E-04	52.5029	19.3458	71.8487		
	7/30/2008 23:00	202	212	2300	9.87	9.87		0.0041	1.35E-05	3.2560	1.1997	4.4557		
	7/31/2008 0:00	203	213	0	10.04	10.04	10.09	-0.0129	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 1:00	204	213	100	10.09	10.09		-0.0178	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	10.09	10.09		-0.0178	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	10.09	10.09		-0.0178	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	10.09	10.09		-0.0178	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	10.05	10.05		-0.0139	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	10.02	10.02		-0.0110	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 7:00	210	213	700	9.95	9.95		-0.0040	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 8:00	211	213	800	9.85	9.85		0.0061	2.23E-05	5.3769	1.9812	7.3582		
	7/31/2008 9:00	212	213	900	7.935	7.935		0.2489	2.15E-03	517.6691	190.7458	708.4149		
	7/31/2008 10:00	213	213	1000	6.044	6.044		0.6396	6.87E-03	1654.4754	609.6255	2264.1009		
	7/31/2008 11:00	214	213	1100	6.111	6.111		0.6217	6.63E-03	1597.4235	588.6035	2186.0271		
	7/31/2008 12:00	215	213	1200	5.966	5.966		0.6611	7.15E-03	1722.9935	634.8724	2357.8659		
	7/31/2008 13:00	216	213	1300	6.162	6.162		0.6082	6.45E-03	1555.0748	572.9993	2128.0740		
	7/31/2008 14:00	217	213	1400	5.947	5.947		0.6664	7.22E-03	1740.0361	641.1521	2381.1882		
	7/31/2008 15:00	218	213	1500	5.971	5.971		0.6597	7.13E-03	1718.5319	633.2284	2351.7603		
	7/31/2008 16:00	219	213	1600	6.016	6.016		0.6473	6.97E-03	1678.8074	618.5911	2297.3985		
	7/31/2008 17:00	220	213	1700	6.032	6.032		0.6429	6.91E-03	1664.8676	613.4547	2278.3223		
	7/31/2008 18:00	221	213	1800	6.102	6.102		0.6241	6.66E-03	1604.9926	591.3925	2196.3852		
	7/31/2008 19:00	222	213	1900	6.339	6.339		0.5633	5.87E-03	1414.9730	521.3759	1936.3489		
	7/31/2008 20:00	223	213	2000	7.115	7.115		0.3928	3.77E-03	907.8625	334.5206	1242.3832		
	7/31/2008 21:00	224	213	2100	8.18	8.18		0.2115	1.76E-03	423.6301	156.0952	579.7253		
	7/31/2008 22:00	225	213	2200	9.05	9.05		0.0950	6.57E-04	158.2285	58.3025	216.5310		
	7/31/2008 23:00	226	213	2300	9.12	9.12		0.0866	5.86E-04	141.1811	52.0211	193.2022		
	8/1/2008 0:00	227	214	0	9.44	9.44	10.20	0.0498	2.96E-04	71.4025	26.3097	97.7122		
	8/1/2008 1:00	228	214	100	9.88	9.88		0.0030	9.47E-06	2.2821	0.8409	3.1230		
	8/1/2008 2:00	229	214	200	10.09	10.09		-0.0178	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 3:00	230	214	300	10.13	10.13		-0.0217	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 4:00	231	214	400	10.19	10.19		-0.0275	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	10.2	10.2		-0.0284	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	10.13	10.13		-0.0217	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	10.01	10.01		-0.0100	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	9.93	9.93		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 9:00	236	214	900	8.39	8.39		0.1812	1.45E-03	350.1466	129.0187	479.1653		
	8/1/2008 10:00	237	214	1000	6.14	6.14		0.6140	6.53E-03	1573.2304	579.6891	2152.9195		
	8/1/2008 11:00	238	214	1100	6.117	6.117		0.6201	6.61E-03	1592.3935	586.7501	2179.1437		
	8/1/2008 12:00	239	214	1200	6.161	6.161		0.6085	6.46E-03	1555.8964	573.3020	2129.1984		
	8/1/2008 13:00	240	214	1300	6.05	6.05		0.6380	6.84E-03	1649.2994	607.7183	2257.0177		
	8/1/2008 14:00	241	214	1400	6.007	6.007		0.6497	7.00E-03	1686.6908	621.4959	2308.1867		
	8/1/2008 15:00	242	214	1500	5.95	5.95		0.6655	7.21E-03	1737.3359	640.1571	2377.4930		
	8/1/2008 16:00	243	214	1600	5.995	5.995		0.6530	7.04E-03	1697.2496	625.3865	2322.6361		
	8/1/2008 17:00	244	214	1700	6.051	6.051		0.6377	6.84E-03	1648.4380	607.4009	2255.8389		
	8/1/2008 18:00	245	214	1800	6.067	6.067		0.6334	6.78E-03	1634.7060	602.3410	2237.0470		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	6.248	6.248		0.5861	6.16E-03	1485.7012	547.4372	2033.1384		
	8/1/2008 20:00	247	214	2000	7.101	7.101		0.3956	3.80E-03	915.6811	337.4015	1253.0827		
	8/1/2008 21:00	248	214	2100	9	9		0.1011	7.09E-04	170.7886	62.9306	233.7191		
	8/1/2008 22:00	249	214	2200	9.84	9.84		0.0071	2.70E-05	6.5086	2.3982	8.9069		
	8/1/2008 23:00	250	214	2300	10	10		-0.0090	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 0:00	251	215	0	10.07	10.07	10.31	-0.0159	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	10.19	10.19		-0.0275	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	10.3	10.3		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	10.31	10.31		-0.0388	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	10.25	10.25		-0.0332	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	10.24	10.24		-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	10.15	10.15		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 8:00	259	215	800	8.62	8.62		0.1497	1.15E-03	276.7438	101.9719	378.7157		
	8/2/2008 9:00	260	215	900	6.494	6.494		0.5260	5.40E-03	1300.4967	479.1948	1779.6915		
	8/2/2008 10:00	261	215	1000	6.38	6.38		0.5533	5.74E-03	1383.9736	509.9535	1893.9271		
	8/2/2008 11:00	262	215	1100	6.257	6.257		0.5838	6.14E-03	1478.5854	544.8152	2023.4006		
	8/2/2008 12:00	263	215	1200	6.163	6.163		0.6080	6.45E-03	1554.2535	572.6967	2126.9502		
	8/2/2008 13:00	264	215	1300	6.126	6.126		0.6177	6.58E-03	1584.8726	583.9789	2168.8515		
	8/2/2008 14:00	265	215	1400	6.143	6.143		0.6132	6.52E-03	1570.7446	578.7732	2149.5178		
	8/2/2008 15:00	266	215	1500	6.117	6.117		0.6201	6.61E-03	1592.3935	586.7501	2179.1437		
	8/2/2008 16:00	267	215	1600	6.142	6.142		0.6135	6.52E-03	1571.5729	579.0783	2150.6512		
	8/2/2008 17:00	268	215	1700	6.19	6.19		0.6010	6.36E-03	1532.2110	564.5746	2096.7856		
	8/2/2008 18:00	269	215	1800	6.263	6.263		0.5823	6.12E-03	1473.8564	543.0727	2016.9291		
	8/2/2008 19:00	270	215	1900	6.412	6.412		0.5455	5.64E-03	1360.1430	501.1726	1861.3156		
	8/2/2008 20:00	271	215	2000	6.99	6.99		0.4177	4.06E-03	979.2335	360.8187	1340.0523		
	8/2/2008 21:00	272	215	2100	8.24	8.24		0.2027	1.67E-03	401.9842	148.1193	550.1035		
	8/2/2008 22:00	273	215	2200	9.34	9.34		0.0610	3.81E-04	91.7353	33.8017	125.5370		
	8/2/2008 23:00	274	215	2300	9.72	9.72		0.0195	9.37E-05	22.5881	8.3231	30.9112		
	8/3/2008 0:00	275	216	0	9.69	9.69	10.33	0.0227	1.13E-04	27.1587	10.0072	37.1659		
	8/3/2008 1:00	276	216	100	9.55	9.55		0.0377	2.10E-04	50.6962	18.6801	69.3763		
	8/3/2008 2:00	277	216	200	9.82	9.82		0.0092	3.69E-05	8.8907	3.2760	12.1666		
	8/3/2008 3:00	278	216	300	10.09	10.09		-0.0178	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 4:00	279	216	400	10.24	10.24		-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	10.33	10.33		-0.0407	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	10.25	10.25		-0.0332	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 7:00	282	216	700	10.04	10.04		-0.0129	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 8:00	283	216	800	8.62	8.62		0.1497	1.15E-03	276.7438	101.9719	378.7157		
	8/3/2008 9:00	284	216	900	6.452	6.452		0.5360	5.52E-03	1330.7951	490.3588	1821.1540		
	8/3/2008 10:00	285	216	1000	6.212	6.212		0.5953	6.28E-03	1514.4354	558.0249	2072.4602		
	8/3/2008 11:00	286	216	1100	6.165	6.165		0.6075	6.44E-03	1552.6121	572.0919	2124.7039		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	6.122	6.122		0.6188	6.59E-03	1588.2117	585.2093	2173.4209		
	8/3/2008 13:00	288	216	1300	6.078	6.078		0.6305	6.74E-03	1625.3196	598.8824	2224.2020		
	8/3/2008 14:00	289	216	1400	6.121	6.121		0.6190	6.59E-03	1589.0473	585.5172	2174.5645		
	8/3/2008 15:00	290	216	1500	6.202	6.202		0.5979	6.32E-03	1522.4947	560.9945	2083.4892		
	8/3/2008 16:00	291	216	1600	6.214	6.214		0.5948	6.28E-03	1512.8276	557.4324	2070.2600		
	8/3/2008 17:00	292	216	1700	6.225	6.225		0.5920	6.24E-03	1504.0089	554.1830	2058.1919		
	8/3/2008 18:00	293	216	1800	6.229	6.229		0.5909	6.23E-03	1500.8122	553.0051	2053.8173		
	8/3/2008 19:00	294	216	1900	6.299	6.299		0.5733	6.00E-03	1445.7310	532.7093	1978.4403		
	8/3/2008 20:00	295	216	2000	6.575	6.575		0.5072	5.16E-03	1243.5198	458.2004	1701.7202		
	8/3/2008 21:00	296	216	2100	7.597	7.597		0.3045	2.75E-03	663.4087	244.4466	907.8552		
	8/3/2008 22:00	297	216	2200	8.39	8.39		0.1812	1.45E-03	350.1466	129.0187	479.1653		
	8/3/2008 23:00	298	216	2300	8.57	8.57		0.1564	1.21E-03	292.0909	107.6269	399.7178		
	8/4/2008 0:00	299	217	0	8.65	8.65	9.71	0.1457	1.11E-03	267.6953	98.6378	366.3331		
	8/4/2008 1:00	300	217	100	8.74	8.74		0.1339	1.00E-03	241.2613	88.8977	330.1590		
	8/4/2008 2:00	301	217	200	8.42	8.42		0.1770	1.41E-03	340.1610	125.3393	465.5003		
	8/4/2008 3:00	302	217	300	8.21	8.21		0.2071	1.71E-03	412.7410	152.0829	564.8239		
	8/4/2008 4:00	303	217	400	8.02	8.02		0.2357	2.01E-03	483.9909	178.3364	662.3273		
	8/4/2008 5:00	304	217	500	8.2	8.2		0.2085	1.73E-03	416.3559	153.4149	569.7708		
	8/4/2008 6:00	305	217	600	8.69	8.69		0.1404	1.06E-03	255.8156	94.2605	350.0761		
	8/4/2008 7:00	306	217	700	8.7	8.7		0.1391	1.05E-03	252.8785	93.1783	346.0568		
	8/4/2008 8:00	307	217	800	8.28	8.28		0.1969	1.61E-03	387.8457	142.9097	530.7554		
	8/4/2008 9:00	308	217	900	7.804	7.804		0.2699	2.37E-03	571.8552	210.7118	782.5670		
	8/4/2008 10:00	309	217	1000	6.833	6.833		0.4503	4.46E-03	1074.0628	395.7605	1469.8234		
	8/4/2008 11:00	310	217	1100	6.389	6.389		0.5511	5.71E-03	1377.2392	507.4721	1884.7114		
	8/4/2008 12:00	311	217	1200	6.249	6.249		0.5859	6.16E-03	1484.9092	547.1453	2032.0546		
	8/4/2008 13:00	312	217	1300	6.158	6.158		0.6093	6.47E-03	1558.3632	574.2110	2132.5742		
	8/4/2008 14:00	313	217	1400	6.462	6.462		0.5336	5.49E-03	1323.5336	487.6832	1811.2168		
	8/4/2008 15:00	314	217	1500	6.773	6.773		0.4632	4.61E-03	1111.9090	409.7058	1521.6148		
	8/4/2008 16:00	315	217	1600	6.284	6.284		0.5770	6.05E-03	1457.3984	537.0084	1994.4068		
	8/4/2008 17:00	316	217	1700	6.196	6.196		0.5994	6.34E-03	1527.3467	562.7823	2090.1290		
	8/4/2008 18:00	317	217	1800	6.259	6.259		0.5833	6.13E-03	1477.0077	544.2339	2021.2416		
	8/4/2008 19:00	318	217	1900	6.495	6.495		0.5258	5.39E-03	1299.7817	478.9313	1778.7130		
	8/4/2008 20:00	319	217	2000	7.132	7.132		0.3895	3.73E-03	898.4267	331.0438	1229.4704		
	8/4/2008 21:00	320	217	2100	8.87	8.87		0.1172	8.50E-04	204.9394	75.5141	280.4535		
	8/4/2008 22:00	321	217	2200	9.57	9.57		0.0355	1.96E-04	47.1302	17.3661	64.4963		
	8/4/2008 23:00	322	217	2300	9.71	9.71		0.0206	1.00E-04	24.0909	8.8768	32.9676		
	8/5/2008 0:00	323	218	0	9.9	9.9	10.23	0.0010	2.44E-06	0.5887	0.2169	0.8057		
	8/5/2008 1:00	324	218	100	10	10		-0.0090	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 2:00	325	218	200	10.08	10.08		-0.0169	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	10.07	10.07		-0.0159	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 4:00	327	218	400	10.01	10.01		-0.0100	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	10.06	10.06		-0.0149	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 6:00	329	218	600	10.15	10.15		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 7:00	330	218	700	10.18	10.18		-0.0265	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	10.05	10.05		-0.0139	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 9:00	332	218	900	8.4	8.4		0.1798	1.44E-03	346.8041	127.7871	474.5912		
	8/5/2008 10:00	333	218	1000	6.754	6.754		0.4673	4.66E-03	1124.0856	414.1924	1538.2780		
	8/5/2008 11:00	334	218	1100	7.061	7.061		0.4035	3.89E-03	938.2606	345.7214	1283.9821		
	8/5/2008 12:00	335	218	1200	6.732	6.732		0.4721	4.72E-03	1138.3018	419.4307	1557.7326		
	8/5/2008 13:00	336	218	1300	6.336	6.336		0.5641	5.88E-03	1417.2621	522.2194	1939.4815		
	8/5/2008 14:00	337	218	1400	6.816	6.816		0.4539	4.50E-03	1084.6934	399.6776	1484.3709		
	8/5/2008 15:00	338	218	1500	7.204	7.204		0.3756	3.57E-03	859.1593	316.5749	1175.7342		
	8/5/2008 16:00	339	218	1600	7.032	7.032		0.4093	3.96E-03	954.8564	351.8365	1306.6929		
	8/5/2008 17:00	340	218	1700	6.562	6.562		0.5102	5.20E-03	1252.5374	461.5231	1714.0605		
	8/5/2008 18:00	341	218	1800	6.325	6.325		0.5668	5.92E-03	1425.6799	525.3211	1951.0010		
	8/5/2008 19:00	342	218	1900	6.472	6.472		0.5312	5.46E-03	1316.3019	485.0185	1801.3204		
	8/5/2008 20:00	343	218	2000	7.399	7.399		0.3394	3.15E-03	758.2470	279.3917	1037.6387		
	8/5/2008 21:00	344	218	2100	9.39	9.39		0.0554	3.38E-04	81.3955	29.9918	111.3873		
	8/5/2008 22:00	345	218	2200	10.11	10.11		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	10.23	10.23		-0.0313	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	10.27	10.27	10.28	-0.0351	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	10.27	10.27		-0.0351	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	10.23	10.23		-0.0313	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	10.2	10.2		-0.0284	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	10.17	10.17		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	10.15	10.15		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 9:00	356	219	900	9.94	9.94		-0.0030	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 10:00	357	219	1000	7.171	7.171		0.3820	3.64E-03	877.0181	323.1553	1200.1734		
	8/6/2008 11:00	358	219	1100	6.216	6.216		0.5943	6.27E-03	1511.2211	556.8405	2068.0616		
	8/6/2008 12:00	359	219	1200	6.841	6.841		0.4486	4.44E-03	1069.0853	393.9265	1463.0117		
	8/6/2008 13:00	360	219	1300	7.245	7.245		0.3678	3.47E-03	837.2929	308.5178	1145.8107		
	8/6/2008 14:00	361	219	1400	6.678	6.678		0.4840	4.87E-03	1173.7373	432.4876	1606.2249		
	8/6/2008 15:00	362	219	1500	6.362	6.362		0.5577	5.80E-03	1397.5180	514.9443	1912.4623		
	8/6/2008 16:00	363	219	1600	6.407	6.407		0.5467	5.66E-03	1363.8457	502.5370	1866.3827		
	8/6/2008 17:00	364	219	1700	6.304	6.304		0.5720	5.98E-03	1441.8581	531.2823	1973.1403		
	8/6/2008 18:00	365	219	1800	6.813	6.813		0.4546	4.51E-03	1086.5769	400.3716	1486.9485		
	8/6/2008 19:00	366	219	1900	6.783	6.783		0.4610	4.59E-03	1105.5377	407.3581	1512.8958		
	8/6/2008 20:00	367	219	2000	7.22	7.22		0.3726	3.53E-03	850.5839	313.4151	1163.9990		
	8/6/2008 21:00	368	219	2100	8.88	8.88		0.1160	8.39E-04	202.2356	74.5179	276.7535		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	10.01	10.01		-0.0100	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 23:00	370	219	2300	10.24	10.24		-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 0:00	371	220	0	10.33	10.33	10.34	-0.0407	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	10.34	10.34		-0.0416	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	10.34	10.34		-0.0416	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	10.31	10.31		-0.0388	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	10.3	10.3		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	10.24	10.24		-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 7:00	378	220	700	10.19	10.19		-0.0275	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 8:00	379	220	800	10.15	10.15		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 9:00	380	220	900	9.13	9.13		0.0854	5.76E-04	138.7971	51.1426	189.9397		
	8/7/2008 10:00	381	220	1000	6.528	6.528		0.5181	5.30E-03	1276.3499	470.2974	1746.6472		
	8/7/2008 11:00	382	220	1100	6.121	6.121		0.6190	6.59E-03	1589.0473	585.5172	2174.5645		
	8/7/2008 12:00	383	220	1200	6.202	6.202		0.5979	6.32E-03	1522.4947	560.9945	2083.4892		
	8/7/2008 13:00	384	220	1300	6.178	6.178		0.6041	6.40E-03	1541.9766	568.1730	2110.1496		
	8/7/2008 14:00	385	220	1400	6.221	6.221		0.5930	6.25E-03	1507.2109	555.3629	2062.5738		
	8/7/2008 15:00	386	220	1500	6.235	6.235		0.5894	6.21E-03	1496.0272	551.2420	2047.2693		
	8/7/2008 16:00	387	220	1600	6.182	6.182		0.6030	6.38E-03	1538.7159	566.9715	2105.6874		
	8/7/2008 17:00	388	220	1700	6.177	6.177		0.6043	6.40E-03	1542.7926	568.4737	2111.2663		
	8/7/2008 18:00	389	220	1800	6.227	6.227		0.5915	6.23E-03	1502.4099	553.5938	2056.0037		
	8/7/2008 19:00	390	220	1900	6.467	6.467		0.5324	5.48E-03	1319.9140	486.3495	1806.2635		
	8/7/2008 20:00	391	220	2000	7.006	7.006		0.4145	4.02E-03	969.8990	357.3792	1327.2782		
	8/7/2008 21:00	392	220	2100	8.68	8.68		0.1417	1.07E-03	258.7658	95.3476	354.1133		
	8/7/2008 22:00	393	220	2200	9.65	9.65		0.0269	1.39E-04	33.5298	12.3547	45.8845		
	8/7/2008 23:00	394	220	2300	10.03	10.03		-0.0120	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 0:00	395	221	0	10.22	10.22	10.36	-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 1:00	396	221	100	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 2:00	397	221	200	10.36	10.36		-0.0434	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	10.36	10.36		-0.0434	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	10.34	10.34		-0.0416	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	10.32	10.32		-0.0397	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	10.29	10.29		-0.0369	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 8:00	403	221	800	10.17	10.17		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 9:00	404	221	900	7.927	7.927		0.2502	2.16E-03	520.8980	191.9356	712.8335		
	8/8/2008 10:00	405	221	1000	6.362	6.362		0.5577	5.80E-03	1397.5180	514.9443	1912.4623		
	8/8/2008 11:00	406	221	1100	6.377	6.377		0.5540	5.75E-03	1386.2240	510.7827	1897.0067		
	8/8/2008 12:00	407	221	1200	6.286	6.286		0.5765	6.04E-03	1455.8385	536.4336	1992.2721		
	8/8/2008 13:00	408	221	1300	6.211	6.211		0.5956	6.29E-03	1515.2398	558.3213	2073.5610		
	8/8/2008 14:00	409	221	1400	6.231	6.231		0.5904	6.22E-03	1499.2159	552.4169	2051.6328		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	6.194	6.194		0.5999	6.34E-03	1528.9667	563.3792	2092.3460		
	8/8/2008 16:00	411	221	1600	6.159	6.159		0.6090	6.46E-03	1557.5406	573.9079	2131.4484		
	8/8/2008 17:00	412	221	1700	6.278	6.278		0.5785	6.07E-03	1462.0859	538.7356	2000.8215		
	8/8/2008 18:00	413	221	1800	6.464	6.464		0.5331	5.49E-03	1322.0849	487.1494	1809.2342		
	8/8/2008 19:00	414	221	1900	6.422	6.422		0.5431	5.61E-03	1352.7604	498.4524	1851.2128		
	8/8/2008 20:00	415	221	2000	7.121	7.121		0.3917	3.75E-03	904.5250	333.2908	1237.8158		
	8/8/2008 21:00	416	221	2100	8.6	8.6		0.1523	1.17E-03	282.8426	104.2192	387.0617		
	8/8/2008 22:00	417	221	2200	9.45	9.45		0.0487	2.88E-04	69.4464	25.5890	95.0354		
	8/8/2008 23:00	418	221	2300	9.66	9.66		0.0259	1.32E-04	31.9087	11.7574	43.6661		
	8/9/2008 0:00	419	222	0	9.67	9.67	10.20	0.0248	1.26E-04	30.3062	11.1669	41.4731		
	8/9/2008 1:00	420	222	100	9.67	9.67		0.0248	1.26E-04	30.3062	11.1669	41.4731		
	8/9/2008 2:00	421	222	200	9.73	9.73		0.0185	8.76E-05	21.1069	7.7773	28.8842		
	8/9/2008 3:00	422	222	300	9.78	9.78		0.0133	5.83E-05	14.0510	5.1774	19.2284		
	8/9/2008 4:00	423	222	400	9.78	9.78		0.0133	5.83E-05	14.0510	5.1774	19.2284		
	8/9/2008 5:00	424	222	500	9.69	9.69		0.0227	1.13E-04	27.1587	10.0072	37.1659		
	8/9/2008 6:00	425	222	600	9.7	9.7		0.0216	1.06E-04	25.6146	9.4382	35.0528		
	8/9/2008 7:00	426	222	700	9.31	9.31		0.0644	4.07E-04	98.1021	36.1478	134.2499		
	8/9/2008 8:00	427	222	800	8.33	8.33		0.1897	1.54E-03	370.4966	136.5171	507.0137		
	8/9/2008 9:00	428	222	900	9.07	9.07		0.0926	6.36E-04	153.2938	56.4843	209.7781		
	8/9/2008 10:00	429	222	1000	8.75	8.75		0.1326	9.89E-04	238.3896	87.8395	326.2291		
	8/9/2008 11:00	430	222	1100	7.943	7.943		0.2476	2.13E-03	514.4505	189.5599	704.0103		
	8/9/2008 12:00	431	222	1200	7.081	7.081		0.3995	3.85E-03	926.9261	341.5450	1268.4711		
	8/9/2008 13:00	432	222	1300	6.836	6.836		0.4497	4.45E-03	1072.1944	395.0721	1467.2664		
	8/9/2008 14:00	433	222	1400	6.412	6.412		0.5455	5.64E-03	1360.1430	501.1726	1861.3156		
	8/9/2008 15:00	434	222	1500	6.332	6.332		0.5651	5.89E-03	1420.3187	523.3456	1943.6643		
	8/9/2008 16:00	435	222	1600	6.321	6.321		0.5678	5.93E-03	1428.7506	526.4525	1955.2031		
	8/9/2008 17:00	436	222	1700	6.438	6.438		0.5393	5.56E-03	1341.0117	494.1234	1835.1351		
	8/9/2008 18:00	437	222	1800	6.429	6.429		0.5415	5.59E-03	1347.6108	496.5549	1844.1657		
	8/9/2008 19:00	438	222	1900	6.613	6.613		0.4986	5.05E-03	1217.4335	448.5884	1666.0219		
	8/9/2008 20:00	439	222	2000	7.279	7.279		0.3615	3.40E-03	819.4262	301.9345	1121.3607		
	8/9/2008 21:00	440	222	2100	9.2	9.2		0.0772	5.08E-04	122.4694	45.1264	167.5958		
	8/9/2008 22:00	441	222	2200	10.08	10.08		-0.0169	0.00E+00	0.0000	0.0000	0.0000		
	8/9/2008 23:00	442	222	2300	10.2	10.2		-0.0284	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	10.24	10.24	10.28	-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 4:00	447	223	400	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 5:00	448	223	500	10.25	10.25		-0.0332	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 6:00	449	223	600	10.24	10.24		-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 7:00	450	223	700	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 9:00	452	223	900	9.24	9.24		0.0725	4.71E-04	113.4246	41.7936	155.2182		
	8/10/2008 10:00	453	223	1000	6.739	6.739		0.4705	4.70E-03	1133.7648	417.7590	1551.5237		
	8/10/2008 11:00	454	223	1100	6.297	6.297		0.5738	6.01E-03	1447.2824	533.2810	1980.5634		
	8/10/2008 12:00	455	223	1200	6.411	6.411		0.5458	5.65E-03	1360.8829	501.4453	1862.3282		
	8/10/2008 13:00	456	223	1300	6.336	6.336		0.5641	5.88E-03	1417.2621	522.2194	1939.4815		
	8/10/2008 14:00	457	223	1400	6.345	6.345		0.5619	5.85E-03	1410.4034	519.6921	1930.0955		
	8/10/2008 15:00	458	223	1500	6.492	6.492		0.5265	5.40E-03	1301.9276	479.7220	1781.6497		
	8/10/2008 16:00	459	223	1600	6.323	6.323		0.5673	5.92E-03	1427.2146	525.8866	1953.1012		
	8/10/2008 17:00	460	223	1700	6.563	6.563		0.5100	5.19E-03	1251.8420	461.2669	1713.1089		
	8/10/2008 18:00	461	223	1800	9.12	9.12		0.0866	5.86E-04	141.1811	52.0211	193.2022		
	8/10/2008 19:00	462	223	1900	9.85	9.85		0.0061	2.23E-05	5.3769	1.9812	7.3582		
	8/10/2008 20:00	463	223	2000	9.63	9.63		0.0291	1.53E-04	36.8264	13.5694	50.3958		
	8/10/2008 21:00	464	223	2100	9.66	9.66		0.0259	1.32E-04	31.9087	11.7574	43.6661		
	8/10/2008 22:00	465	223	2200	9.87	9.87		0.0041	1.35E-05	3.2560	1.1997	4.4557		
	8/10/2008 23:00	466	223	2300	9.84	9.84		0.0071	2.70E-05	6.5086	2.3982	8.9069		
	8/11/2008 0:00	467	224	0	9.87	9.87	10.33	0.0041	1.35E-05	3.2560	1.1997	4.4557		
	8/11/2008 1:00	468	224	100	10.07	10.07		-0.0159	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 2:00	469	224	200	10.26	10.26		-0.0341	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 3:00	470	224	300	10.31	10.31		-0.0388	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 4:00	471	224	400	10.32	10.32		-0.0397	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 5:00	472	224	500	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 6:00	473	224	600	10.3	10.3		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 7:00	474	224	700	10.33	10.33		-0.0407	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 8:00	475	224	800	10.3	10.3		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 9:00	476	224	900	9.3	9.3		0.0656	4.16E-04	100.2513	36.9396	137.1909		
	8/11/2008 10:00	477	224	1000	7.015	7.015		0.4127	4.00E-03	964.6743	355.4541	1320.1284		
	8/11/2008 11:00	478	224	1100	6.478	6.478		0.5298	5.44E-03	1311.9772	483.4250	1795.4022		
	8/11/2008 12:00	479	224	1200	6.572	6.572		0.5079	5.17E-03	1245.5965	458.9656	1704.5621		
	8/11/2008 13:00	480	224	1300	6.755	6.755		0.4671	4.66E-03	1123.4424	413.9554	1537.3978		
	8/11/2008 14:00	481	224	1400	6.485	6.485		0.5281	5.42E-03	1306.9452	481.5708	1788.5160		
	8/11/2008 15:00	482	224	1500	6.435	6.435		0.5400	5.57E-03	1343.2087	494.9329	1838.1416		
	8/11/2008 16:00	483	224	1600	6.593	6.593		0.5031	5.11E-03	1231.1127	453.6288	1684.7415		
	8/11/2008 17:00	484	224	1700	6.663	6.663		0.4873	4.91E-03	1183.7188	436.1655	1619.8844		
	8/11/2008 18:00	485	224	1800	6.931	6.931		0.4298	4.21E-03	1014.1739	373.6932	1387.8671		
	8/11/2008 19:00	486	224	1900	7.087	7.087		0.3983	3.83E-03	923.5432	340.2985	1263.8417		
	8/11/2008 20:00	487	224	2000	7.888	7.888		0.2563	2.23E-03	536.7867	197.7901	734.5768		
	8/11/2008 21:00	488	224	2100	8.99	8.99		0.1023	7.19E-04	173.3389	63.8703	237.2092		
	8/11/2008 22:00	489	224	2200	9.6	9.6		0.0323	1.74E-04	41.9027	15.4399	57.3426		
	8/11/2008 23:00	490	224	2300	9.87	9.87		0.0041	1.35E-05	3.2560	1.1997	4.4557		
	8/12/2008 0:00	491	225	0	10.03	10.03	10.14	-0.0120	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	9.97	9.97		-0.0060	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 2:00	493	225	200	9.21	9.21		0.0760	4.99E-04	120.1887	44.2860	164.4746		
	8/12/2008 3:00	494	225	300	9.64	9.64		0.0280	1.46E-04	35.1691	12.9588	48.1279		
	8/12/2008 4:00	495	225	400	9.92	9.92		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 5:00	496	225	500	10	10		-0.0090	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 6:00	497	225	600	10.06	10.06		-0.0149	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 7:00	498	225	700	10.1	10.1		-0.0188	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 8:00	499	225	800	10.07	10.07		-0.0159	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 9:00	500	225	900	9.25	9.25		0.0714	4.61E-04	111.1961	40.9725	152.1686		
	8/12/2008 10:00	501	225	1000	7.097	7.097		0.3964	3.81E-03	917.9230	338.2276	1256.1506		
	8/12/2008 11:00	502	225	1100	6.467	6.467		0.5324	5.48E-03	1319.9140	486.3495	1806.2635		
	8/12/2008 12:00	503	225	1200	6.471	6.471		0.5314	5.46E-03	1317.0238	485.2845	1802.3082		
	8/12/2008 13:00	504	225	1300	6.38	6.38		0.5533	5.74E-03	1383.9736	509.9535	1893.9271		
	8/12/2008 14:00	505	225	1400	6.401	6.401		0.5482	5.68E-03	1368.2991	504.1779	1872.4771		
	8/12/2008 15:00	506	225	1500	6.382	6.382		0.5528	5.74E-03	1382.4749	509.4013	1891.8762		
	8/12/2008 16:00	507	225	1600	6.368	6.368		0.5562	5.78E-03	1392.9919	513.2765	1906.2685		
	8/12/2008 17:00	508	225	1700	6.436	6.436		0.5398	5.57E-03	1342.4761	494.6629	1837.1390		
	8/12/2008 18:00	509	225	1800	6.493	6.493		0.5263	5.40E-03	1301.2120	479.4583	1780.6704		
	8/12/2008 19:00	510	225	1900	6.695	6.695		0.4802	4.82E-03	1162.4980	428.3463	1590.8443		
	8/12/2008 20:00	511	225	2000	7.323	7.323		0.3533	3.31E-03	796.6574	293.5448	1090.2022		
	8/12/2008 21:00	512	225	2100	9.16	9.16		0.0819	5.47E-04	131.7220	48.5357	180.2577		
	8/12/2008 22:00	513	225	2200	9.97	9.97		-0.0060	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 23:00	514	225	2300	10.14	10.14		-0.0227	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 0:00	515	226	0	10.19	10.19	10.30	-0.0275	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 1:00	516	226	100	10.2	10.2		-0.0284	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 2:00	517	226	200	10.22	10.22		-0.0303	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 3:00	518	226	300	10.27	10.27		-0.0351	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 4:00	519	226	400	10.27	10.27		-0.0351	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 5:00	520	226	500	10.29	10.29		-0.0369	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 6:00	521	226	600	10.3	10.3		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 7:00	522	226	700	10.28	10.28		-0.0360	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 8:00	523	226	800	10.13	10.13		-0.0217	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 9:00	524	226	900	8.27	8.27		0.1983	1.62E-03	391.3586	144.2041	535.5627		
	8/13/2008 10:00	525	226	1000	6.759	6.759		0.4662	4.65E-03	1120.8722	413.0084	1533.8806		
	8/13/2008 11:00	526	226	1100	6.688	6.688		0.4818	4.84E-03	1167.1165	430.0481	1597.1646		
	8/13/2008 12:00	527	226	1200	6.42	6.42		0.5436	5.62E-03	1354.2345	498.9956	1853.2301		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.165	5.165	9.31	0.8025	9.08E-03	1913.0652	704.9082	2617.9734		
W607EC1	7/22/2008 14:00	1	204	1400	5.631	5.631		0.6533	7.05E-03	1485.2146	547.2579	2032.4725		
	7/22/2008 15:00	2	204	1500	5.539	5.539		0.6808	7.41E-03	1562.4302	575.7095	2138.1397		
Probe #	7/22/2008 16:00	3	204	1600	5.524	5.524		0.6854	7.47E-03	1575.3342	580.4643	2155.7984		
	7/22/2008 17:00	4	204	1700	5.694	5.694		0.6351	6.80E-03	1434.1908	528.4571	1962.6478		
7	7/22/2008 18:00	5	204	1800	5.852	5.852		0.5909	6.23E-03	1312.4676	483.6057	1796.0732		
	7/22/2008 19:00	6	204	1900	5.828	5.828		0.5975	6.31E-03	1330.4032	490.2144	1820.6176		
	7/22/2008 20:00	7	204	2000	6.301	6.301		0.4775	4.79E-03	1009.7440	372.0609	1381.8049		
	7/22/2008 21:00	8	204	2100	7.784	7.784		0.1960	1.60E-03	337.4672	124.3467	461.8139		
DBH (cm)	7/22/2008 22:00	9	204	2200	9	9		0.0344	1.88E-04	39.6771	14.6199	54.2970		
	7/22/2008 23:00	10	204	2300	9.31	9.31		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.7	7/23/2008 0:00	11	205	0	9.53	9.53	9.70	-0.0231	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.61	9.61		-0.0312	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.64	9.64		-0.0342	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.69	9.69		-0.0392	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.7	9.7		-0.0402	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.69	9.69		-0.0392	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.62	9.62		-0.0322	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.42	9.42		-0.0117	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 8:00	19	205	800	8.59	8.59		0.0838	5.63E-04	118.5707	43.6898	162.2605		
	7/23/2008 9:00	20	205	900	7.068	7.068		0.3172	2.90E-03	610.2321	224.8526	835.0846		
	7/23/2008 10:00	21	205	1000	5.94	5.94		0.5673	5.92E-03	1248.3257	459.9713	1708.2970		
	7/23/2008 11:00	22	205	1100	5.9	5.9		0.5780	6.06E-03	1277.1692	470.5993	1747.7685		
	7/23/2008 12:00	23	205	1200	5.837	5.837		0.5950	6.28E-03	1323.6547	487.7278	1811.3825		
	7/23/2008 13:00	24	205	1300	5.765	5.765		0.6149	6.54E-03	1378.4159	507.9057	1886.3216		
	7/23/2008 14:00	25	205	1400	5.731	5.731		0.6245	6.67E-03	1404.9008	517.6646	1922.5653		
	7/23/2008 15:00	26	205	1500	5.643	5.643		0.6498	7.00E-03	1475.3820	543.6349	2019.0169		
	7/23/2008 16:00	27	205	1600	5.83	5.83		0.5969	6.31E-03	1328.9012	489.6610	1818.5622		
	7/23/2008 17:00	28	205	1700	6.292	6.292		0.4797	4.82E-03	1015.2479	374.0890	1389.3369		
	7/23/2008 18:00	29	205	1800	7.057	7.057		0.3193	2.92E-03	615.0980	226.6455	841.7435		
	7/23/2008 19:00	30	205	1900	7.014	7.014		0.3273	3.01E-03	634.3357	233.7340	868.0698		
	7/23/2008 20:00	31	205	2000	7.387	7.387		0.2603	2.27E-03	478.4548	176.2965	654.7513		
	7/23/2008 21:00	32	205	2100	8.28	8.28		0.1244	9.15E-04	192.7764	71.0324	263.8089		
	7/23/2008 22:00	33	205	2200	8.8	8.8		0.0580	3.57E-04	75.2848	27.7402	103.0250		
	7/23/2008 23:00	34	205	2300	8.93	8.93		0.0426	2.44E-04	51.4709	18.9655	70.4365		
	7/24/2008 0:00	35	206	0	8.96	8.96	9.31	0.0391	2.20E-04	46.3237	17.0689	63.3926		
	7/24/2008 1:00	36	206	100	9.03	9.03		0.0310	1.65E-04	34.8615	12.8455	47.7070		
	7/24/2008 2:00	37	206	200	9.09	9.09		0.0242	1.22E-04	25.6967	9.4685	35.1651		
	7/24/2008 3:00	38	206	300	9.16	9.16		0.0164	7.54E-05	15.8863	5.8536	21.7399		
	7/24/2008 4:00	39	206	400	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	7/24/2008 5:00	40	206	500	9.25	9.25		0.0065	2.41E-05	5.0808	1.8721	6.9529		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.27	9.27		0.0043	1.46E-05	3.0761	1.1335	4.2096		
	7/24/2008 7:00	42	206	700	9.31	9.31		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	7/24/2008 9:00	44	206	900	8.74	8.74		0.0652	4.13E-04	87.0619	32.0797	119.1416		
	7/24/2008 10:00	45	206	1000	8.66	8.66		0.0751	4.91E-04	103.5043	38.1383	141.6426		
	7/24/2008 11:00	46	206	1100	6.744	6.744		0.3805	3.62E-03	763.3858	281.2852	1044.6709		
	7/24/2008 12:00	47	206	1200	5.704	5.704		0.6322	6.77E-03	1426.2259	525.5223	1951.7481		
	7/24/2008 13:00	48	206	1300	6.187	6.187		0.5048	5.13E-03	1081.0673	398.3415	1479.4087		
	7/24/2008 14:00	49	206	1400	6.078	6.078		0.5318	5.47E-03	1152.6473	424.7166	1577.3639		
	7/24/2008 15:00	50	206	1500	5.656	5.656		0.6460	6.95E-03	1464.7909	539.7323	2004.5232		
	7/24/2008 16:00	51	206	1600	5.609	5.609		0.6598	7.13E-03	1503.3823	553.9521	2057.3345		
	7/24/2008 17:00	52	206	1700	5.816	5.816		0.6008	6.36E-03	1339.4438	493.5456	1832.9894		
	7/24/2008 18:00	53	206	1800	5.781	5.781		0.6104	6.48E-03	1366.0927	503.3649	1869.4576		
	7/24/2008 19:00	54	206	1900	6.094	6.094		0.5277	5.42E-03	1141.9255	420.7659	1562.6914		
	7/24/2008 20:00	55	206	2000	7.061	7.061		0.3185	2.91E-03	613.3260	225.9926	839.3185		
	7/24/2008 21:00	56	206	2100	8.33	8.33		0.1176	8.54E-04	179.9832	66.3185	246.3017		
	7/24/2008 22:00	57	206	2200	9.09	9.09		0.0242	1.22E-04	25.6967	9.4685	35.1651		
	7/24/2008 23:00	58	206	2300	9.25	9.25		0.0065	2.41E-05	5.0808	1.8721	6.9529		
	7/25/2008 0:00	59	207	0	9.28	9.28	9.28	0.0032	1.02E-05	2.1559	0.7944	2.9503		
	7/25/2008 1:00	60	207	100	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	7/25/2008 2:00	61	207	200	9.1	9.1		0.0231	1.15E-04	24.2336	8.9294	33.1630		
	7/25/2008 3:00	62	207	300	9.04	9.04		0.0299	1.58E-04	33.2899	12.2663	45.5562		
	7/25/2008 4:00	63	207	400	9.03	9.03		0.0310	1.65E-04	34.8615	12.8455	47.7070		
	7/25/2008 5:00	64	207	500	9.06	9.06		0.0276	1.43E-04	30.1985	11.1273	41.3258		
	7/25/2008 6:00	65	207	600	9.11	9.11		0.0220	1.08E-04	22.7902	8.3975	31.1877		
	7/25/2008 7:00	66	207	700	9.12	9.12		0.0208	1.01E-04	21.3668	7.8730	29.2398		
	7/25/2008 8:00	67	207	800	9.09	9.09		0.0242	1.22E-04	25.6967	9.4685	35.1651		
	7/25/2008 9:00	68	207	900	8.91	8.91		0.0449	2.61E-04	54.9773	20.2575	75.2348		
	7/25/2008 10:00	69	207	1000	8.89	8.89		0.0472	2.78E-04	58.5421	21.5710	80.1132		
	7/25/2008 11:00	70	207	1100	8.37	8.37		0.1123	8.06E-04	169.9777	62.6318	232.6095		
	7/25/2008 12:00	71	207	1200	6.828	6.828		0.3635	3.42E-03	721.6595	265.9103	987.5697		
	7/25/2008 13:00	72	207	1300	6.134	6.134		0.5178	5.29E-03	1115.4470	411.0094	1526.4564		
	7/25/2008 14:00	73	207	1400	5.695	5.695		0.6348	6.80E-03	1433.3926	528.1630	1961.5556		
	7/25/2008 15:00	74	207	1500	5.714	5.714		0.6293	6.73E-03	1418.2971	522.6008	1940.8979		
	7/25/2008 16:00	75	207	1600	5.786	5.786		0.6091	6.46E-03	1362.2599	501.9527	1864.2126		
	7/25/2008 17:00	76	207	1700	5.625	5.625		0.6551	7.07E-03	1490.1513	549.0769	2039.2281		
	7/25/2008 18:00	77	207	1800	5.781	5.781		0.6104	6.48E-03	1366.0927	503.3649	1869.4576		
	7/25/2008 19:00	78	207	1900	5.708	5.708		0.6310	6.75E-03	1423.0501	524.3521	1947.4021		
	7/25/2008 20:00	79	207	2000	6.511	6.511		0.4299	4.21E-03	887.1701	326.8961	1214.0661		
	7/25/2008 21:00	80	207	2100	7.928	7.928		0.1743	1.39E-03	292.0395	107.6080	399.6475		
	7/25/2008 22:00	81	207	2200	8.94	8.94		0.0414	2.36E-04	49.7401	18.3278	68.0678		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.15	9.15		0.0175	8.17E-05	17.2230	6.3462	23.5692		
	7/26/2008 0:00	83	208	0	9.2	9.2	9.20	0.0120	5.12E-05	10.7864	3.9745	14.7609		
	7/26/2008 1:00	84	208	100	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	7/26/2008 2:00	85	208	200	9.18	9.18		0.0142	6.30E-05	13.2847	4.8950	18.1797		
	7/26/2008 3:00	86	208	300	9.16	9.16		0.0164	7.54E-05	15.8863	5.8536	21.7399		
	7/26/2008 4:00	87	208	400	9.13	9.13		0.0197	9.47E-05	19.9640	7.3561	27.3201		
	7/26/2008 5:00	88	208	500	9.1	9.1		0.0231	1.15E-04	24.2336	8.9294	33.1630		
	7/26/2008 6:00	89	208	600	9.06	9.06		0.0276	1.43E-04	30.1985	11.1273	41.3258		
	7/26/2008 7:00	90	208	700	9.02	9.02		0.0322	1.73E-04	36.4501	13.4308	49.8810		
	7/26/2008 8:00	91	208	800	8.98	8.98		0.0367	2.04E-04	42.9689	15.8328	58.8017		
	7/26/2008 9:00	92	208	900	8.09	8.09		0.1508	1.16E-03	244.3267	90.0272	334.3539		
	7/26/2008 10:00	93	208	1000	6.137	6.137		0.5170	5.28E-03	1113.4797	410.2845	1523.7642		
	7/26/2008 11:00	94	208	1100	6.071	6.071		0.5335	5.49E-03	1157.3618	426.4538	1583.8156		
	7/26/2008 12:00	95	208	1200	6.402	6.402		0.4542	4.50E-03	949.4164	349.8320	1299.2485		
	7/26/2008 13:00	96	208	1300	5.863	5.863		0.5879	6.19E-03	1304.3113	480.6003	1784.9116		
	7/26/2008 14:00	97	208	1400	5.758	5.758		0.6169	6.57E-03	1383.8354	509.9026	1893.7380		
	7/26/2008 15:00	98	208	1500	5.66	5.66		0.6449	6.93E-03	1461.5448	538.5362	2000.0810		
	7/26/2008 16:00	99	208	1600	5.707	5.707		0.6313	6.76E-03	1423.8435	524.6444	1948.4879		
	7/26/2008 17:00	100	208	1700	5.554	5.554		0.6763	7.35E-03	1549.6156	570.9878	2120.6034		
	7/26/2008 18:00	101	208	1800	5.879	5.879		0.5836	6.13E-03	1292.5191	476.2553	1768.7744		
	7/26/2008 19:00	102	208	1900	5.878	5.878		0.5839	6.14E-03	1293.2537	476.5259	1769.7796		
	7/26/2008 20:00	103	208	2000	6.342	6.342		0.4680	4.67E-03	984.9387	362.9209	1347.8596		
	7/26/2008 21:00	104	208	2100	7.844	7.844		0.1869	1.51E-03	318.1865	117.2424	435.4289		
	7/26/2008 22:00	105	208	2200	8.86	8.86		0.0508	3.04E-04	63.9971	23.5810	87.5782		
	7/26/2008 23:00	106	208	2300	9.07	9.07		0.0265	1.36E-04	28.6795	10.5676	39.2471		
	7/27/2008 0:00	107	209	0	9.14	9.14	9.22	0.0186	8.82E-05	18.5825	6.8471	25.4296		
	7/27/2008 1:00	108	209	100	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	7/27/2008 2:00	109	209	200	9.19	9.19		0.0131	5.70E-05	12.0220	4.4298	16.4518		
	7/27/2008 3:00	110	209	300	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	7/27/2008 4:00	111	209	400	9.22	9.22		0.0098	3.99E-05	8.4030	3.0963	11.4993		
	7/27/2008 5:00	112	209	500	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	7/27/2008 6:00	113	209	600	9.18	9.18		0.0142	6.30E-05	13.2847	4.8950	18.1797		
	7/27/2008 7:00	114	209	700	9.14	9.14		0.0186	8.82E-05	18.5825	6.8471	25.4296		
	7/27/2008 8:00	115	209	800	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	7/27/2008 9:00	116	209	900	7.154	7.154		0.3014	2.72E-03	572.9524	211.1161	784.0684		
	7/27/2008 10:00	117	209	1000	5.687	5.687		0.6371	6.83E-03	1439.7878	530.5194	1970.3073		
	7/27/2008 11:00	118	209	1100	5.574	5.574		0.6703	7.27E-03	1532.6675	564.7429	2097.4104		
	7/27/2008 12:00	119	209	1200	5.556	5.556		0.6757	7.34E-03	1547.9138	570.3607	2118.2744		
	7/27/2008 13:00	120	209	1300	5.617	5.617		0.6575	7.10E-03	1496.7546	551.5100	2048.2647		
	7/27/2008 14:00	121	209	1400	5.411	5.411		0.7206	7.95E-03	1675.5038	617.3738	2292.8776		
	7/27/2008 15:00	122	209	1500	5.368	5.368		0.7344	8.14E-03	1715.0413	631.9423	2346.9836		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.349	5.349		0.7405	8.22E-03	1732.7696	638.4746	2371.2442		
	7/27/2008 17:00	124	209	1700	5.408	5.408		0.7215	7.96E-03	1678.2362	618.3807	2296.6169		
	7/27/2008 18:00	125	209	1800	5.634	5.634		0.6525	7.04E-03	1482.7514	546.3502	2029.1016		
	7/27/2008 19:00	126	209	1900	5.645	5.645		0.6492	6.99E-03	1473.7485	543.0330	2016.7815		
	7/27/2008 20:00	127	209	2000	6.121	6.121		0.5210	5.33E-03	1124.0018	414.1616	1538.1633		
	7/27/2008 21:00	128	209	2100	7.419	7.419		0.2549	2.21E-03	466.1855	171.7756	637.9611		
	7/27/2008 22:00	129	209	2200	8.5	8.5		0.0953	6.59E-04	138.8599	51.1658	190.0257		
	7/27/2008 23:00	130	209	2300	8.75	8.75		0.0640	4.04E-04	85.0656	31.3442	116.4098		
	7/28/2008 0:00	131	210	0	8.82	8.82	9.27	0.0556	3.39E-04	71.4671	26.3335	97.8006		
	7/28/2008 1:00	132	210	100	8.95	8.95		0.0402	2.28E-04	48.0243	17.6955	65.7198		
	7/28/2008 2:00	133	210	200	9.02	9.02		0.0322	1.73E-04	36.4501	13.4308	49.8810		
	7/28/2008 3:00	134	210	300	9.1	9.1		0.0231	1.15E-04	24.2336	8.9294	33.1630		
	7/28/2008 4:00	135	210	400	9.14	9.14		0.0186	8.82E-05	18.5825	6.8471	25.4296		
	7/28/2008 5:00	136	210	500	9.22	9.22		0.0098	3.99E-05	8.4030	3.0963	11.4993		
	7/28/2008 6:00	137	210	600	9.27	9.27		0.0043	1.46E-05	3.0761	1.1335	4.2096		
	7/28/2008 7:00	138	210	700	9.22	9.22		0.0098	3.99E-05	8.4030	3.0963	11.4993		
	7/28/2008 8:00	139	210	800	7.836	7.836		0.1881	1.52E-03	320.7279	118.1788	438.9067		
	7/28/2008 9:00	140	210	900	6.105	6.105		0.5250	5.38E-03	1134.5977	418.0658	1552.6635		
	7/28/2008 10:00	141	210	1000	5.63	5.63		0.6536	7.05E-03	1486.0364	547.5607	2033.5971		
	7/28/2008 11:00	142	210	1100	5.646	5.646		0.6490	6.99E-03	1472.9323	542.7322	2015.6645		
	7/28/2008 12:00	143	210	1200	5.677	5.677		0.6400	6.87E-03	1447.8147	533.4771	1981.2918		
	7/28/2008 13:00	144	210	1300	5.572	5.572		0.6709	7.28E-03	1534.3553	565.3648	2099.7200		
	7/28/2008 14:00	145	210	1400	5.522	5.522		0.6860	7.48E-03	1577.0615	581.1007	2158.1623		
	7/28/2008 15:00	146	210	1500	5.406	5.406		0.7222	7.97E-03	1680.0600	619.0527	2299.1127		
	7/28/2008 16:00	147	210	1600	5.384	5.384		0.7292	8.07E-03	1700.2357	626.4868	2326.7225		
	7/28/2008 17:00	148	210	1700	5.396	5.396		0.7254	8.01E-03	1689.2048	622.4222	2311.6270		
	7/28/2008 18:00	149	210	1800	5.6	5.6		0.6625	7.17E-03	1510.8678	556.7103	2067.5780		
	7/28/2008 19:00	150	210	1900	5.672	5.672		0.6414	6.89E-03	1451.8419	534.9610	1986.8029		
	7/28/2008 20:00	151	210	2000	6.315	6.315		0.4743	4.75E-03	1001.2246	368.9218	1370.1464		
	7/28/2008 21:00	152	210	2100	7.788	7.788		0.1954	1.59E-03	336.1660	123.8673	460.0332		
	7/28/2008 22:00	153	210	2200	8.5	8.5		0.0953	6.59E-04	138.8599	51.1658	190.0257		
	7/28/2008 23:00	154	210	2300	8.7	8.7		0.0701	4.52E-04	95.1786	35.0705	130.2492		
	7/29/2008 0:00	155	211	0	8.9	8.9	9.28	0.0461	2.69E-04	56.7524	20.9116	77.6640		
	7/29/2008 1:00	156	211	100	9.05	9.05		0.0287	1.51E-04	31.7354	11.6936	43.4290		
	7/29/2008 2:00	157	211	200	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	7/29/2008 3:00	158	211	300	9.23	9.23		0.0087	3.44E-05	7.2592	2.6748	9.9340		
	7/29/2008 4:00	159	211	400	9.28	9.28		0.0032	1.02E-05	2.1559	0.7944	2.9503		
	7/29/2008 5:00	160	211	500	9.27	9.27		0.0043	1.46E-05	3.0761	1.1335	4.2096		
	7/29/2008 6:00	161	211	600	9.25	9.25		0.0065	2.41E-05	5.0808	1.8721	6.9529		
	7/29/2008 7:00	162	211	700	9.19	9.19		0.0131	5.70E-05	12.0220	4.4298	16.4518		
	7/29/2008 8:00	163	211	800	8.74	8.74		0.0652	4.13E-04	87.0619	32.0797	119.1416		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	7.002	7.002		0.3296	3.04E-03	639.7665	235.7351	875.5016		
	7/29/2008 10:00	165	211	1000	5.934	5.934		0.5689	5.94E-03	1252.6196	461.5535	1714.1731		
	7/29/2008 11:00	166	211	1100	6.253	6.253		0.4889	4.93E-03	1039.3467	382.9687	1422.3154		
	7/29/2008 12:00	167	211	1200	5.761	5.761		0.6160	6.55E-03	1381.5106	509.0460	1890.5566		
	7/29/2008 13:00	168	211	1300	5.749	5.749		0.6194	6.60E-03	1390.8286	512.4794	1903.3079		
	7/29/2008 14:00	169	211	1400	5.484	5.484		0.6977	7.64E-03	1610.1885	593.3071	2203.4956		
	7/29/2008 15:00	170	211	1500	5.649	5.649		0.6481	6.98E-03	1470.4860	541.8308	2012.3168		
	7/29/2008 16:00	171	211	1600	5.791	5.791		0.6077	6.45E-03	1358.4358	500.5436	1858.9794		
	7/29/2008 17:00	172	211	1700	5.953	5.953		0.5639	5.88E-03	1239.0615	456.5577	1695.6192		
	7/29/2008 18:00	173	211	1800	5.925	5.925		0.5713	5.97E-03	1259.0819	463.9346	1723.0166		
	7/29/2008 19:00	174	211	1900	5.908	5.908		0.5758	6.03E-03	1271.3594	468.4585	1739.8179		
	7/29/2008 20:00	175	211	2000	6.928	6.928		0.3438	3.20E-03	673.8661	248.2998	922.1660		
	7/29/2008 21:00	176	211	2100	8.38	8.38		0.1110	7.95E-04	167.5081	61.7218	229.2299		
	7/29/2008 22:00	177	211	2200	8.99	8.99		0.0356	1.96E-04	41.3150	15.2234	56.5384		
	7/29/2008 23:00	178	211	2300	9.15	9.15		0.0175	8.17E-05	17.2230	6.3462	23.5692		
	7/30/2008 0:00	179	212	0	9.19	9.19	9.20	0.0131	5.70E-05	12.0220	4.4298	16.4518		
	7/30/2008 1:00	180	212	100	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	7/30/2008 2:00	181	212	200	9.19	9.19		0.0131	5.70E-05	12.0220	4.4298	16.4518		
	7/30/2008 3:00	182	212	300	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	7/30/2008 4:00	183	212	400	9.13	9.13		0.0197	9.47E-05	19.9640	7.3561	27.3201		
	7/30/2008 5:00	184	212	500	9.08	9.08		0.0253	1.29E-04	27.1788	10.0146	37.1934		
	7/30/2008 6:00	185	212	600	9.04	9.04		0.0299	1.58E-04	33.2899	12.2663	45.5562		
	7/30/2008 7:00	186	212	700	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	7/30/2008 8:00	187	212	800	8.97	8.97		0.0379	2.12E-04	44.6385	16.4480	61.0865		
	7/30/2008 9:00	188	212	900	8.12	8.12		0.1466	1.12E-03	235.8748	86.9129	322.7877		
	7/30/2008 10:00	189	212	1000	5.894	5.894		0.5796	6.08E-03	1281.5402	472.2099	1753.7501		
	7/30/2008 11:00	190	212	1100	5.549	5.549		0.6778	7.37E-03	1553.8772	572.5580	2126.4353		
	7/30/2008 12:00	191	212	1200	5.716	5.716		0.6288	6.72E-03	1416.7157	522.0180	1938.7338		
	7/30/2008 13:00	192	212	1300	5.731	5.731		0.6245	6.67E-03	1404.9008	517.6646	1922.5653		
	7/30/2008 14:00	193	212	1400	5.634	5.634		0.6525	7.04E-03	1482.7514	546.3502	2029.1016		
	7/30/2008 15:00	194	212	1500	5.72	5.72		0.6276	6.71E-03	1413.5572	520.8542	1934.4114		
	7/30/2008 16:00	195	212	1600	5.536	5.536		0.6817	7.43E-03	1565.0038	576.6578	2141.6616		
	7/30/2008 17:00	196	212	1700	5.591	5.591		0.6652	7.20E-03	1518.3843	559.4799	2077.8642		
	7/30/2008 18:00	197	212	1800	5.93	5.93		0.5700	5.96E-03	1255.4886	462.6106	1718.0991		
	7/30/2008 19:00	198	212	1900	5.897	5.897		0.5788	6.07E-03	1279.3533	471.4040	1750.7573		
	7/30/2008 20:00	199	212	2000	6.428	6.428		0.4484	4.43E-03	934.3047	344.2638	1278.5684		
	7/30/2008 21:00	200	212	2100	7.893	7.893		0.1795	1.44E-03	302.8154	111.5785	414.3939		
	7/30/2008 22:00	201	212	2200	8.79	8.79		0.0592	3.66E-04	77.2141	28.4511	105.6652		
	7/30/2008 23:00	202	212	2300	9.05	9.05		0.0287	1.51E-04	31.7354	11.6936	43.4290		
	7/31/2008 0:00	203	213	0	9.17	9.17	9.24	0.0153	6.91E-05	14.5732	5.3698	19.9429		
	7/31/2008 1:00	204	213	100	9.22	9.22		0.0098	3.99E-05	8.4030	3.0963	11.4993		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.24	9.24		0.0076	2.92E-05	6.1506	2.2663	8.4170		
	7/31/2008 3:00	206	213	300	9.24	9.24		0.0076	2.92E-05	6.1506	2.2663	8.4170		
	7/31/2008 4:00	207	213	400	9.23	9.23		0.0087	3.44E-05	7.2592	2.6748	9.9340		
	7/31/2008 5:00	208	213	500	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	7/31/2008 6:00	209	213	600	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	7/31/2008 7:00	210	213	700	9.12	9.12		0.0208	1.01E-04	21.3668	7.8730	29.2398		
	7/31/2008 8:00	211	213	800	9.04	9.04		0.0299	1.58E-04	33.2899	12.2663	45.5562		
	7/31/2008 9:00	212	213	900	7.804	7.804		0.1930	1.57E-03	330.9837	121.9578	452.9415		
	7/31/2008 10:00	213	213	1000	5.798	5.798		0.6057	6.42E-03	1353.0964	498.5762	1851.6726		
	7/31/2008 11:00	214	213	1100	5.678	5.678		0.6397	6.87E-03	1447.0103	533.1807	1980.1911		
	7/31/2008 12:00	215	213	1200	5.59	5.59		0.6655	7.21E-03	1519.2213	559.7884	2079.0097		
	7/31/2008 13:00	216	213	1300	5.798	5.798		0.6057	6.42E-03	1353.0964	498.5762	1851.6726		
	7/31/2008 14:00	217	213	1400	5.474	5.474		0.7008	7.68E-03	1619.0042	596.5554	2215.5596		
	7/31/2008 15:00	218	213	1500	5.475	5.475		0.7005	7.68E-03	1618.1208	596.2299	2214.3507		
	7/31/2008 16:00	219	213	1600	5.498	5.498		0.6933	7.58E-03	1597.9155	588.7848	2186.7003		
	7/31/2008 17:00	220	213	1700	5.499	5.499		0.6930	7.58E-03	1597.0419	588.4629	2185.5049		
	7/31/2008 18:00	221	213	1800	5.795	5.795		0.6066	6.43E-03	1355.3827	499.4186	1854.8013		
	7/31/2008 19:00	222	213	1900	5.936	5.936		0.5684	5.94E-03	1251.1870	461.0256	1712.2126		
	7/31/2008 20:00	223	213	2000	6.791	6.791		0.3709	3.51E-03	739.8575	272.6157	1012.4732		
	7/31/2008 21:00	224	213	2100	7.725	7.725		0.2052	1.69E-03	356.9272	131.5172	488.4443		
	7/31/2008 22:00	225	213	2200	8.43	8.43		0.1044	7.37E-04	155.3499	57.2419	212.5918		
	7/31/2008 23:00	226	213	2300	8.51	8.51		0.0940	6.48E-04	136.5548	50.3164	186.8713		
	8/1/2008 0:00	227	214	0	8.71	8.71	9.18	0.0689	4.42E-04	93.1298	34.3156	127.4453		
	8/1/2008 1:00	228	214	100	9.03	9.03		0.0310	1.65E-04	34.8615	12.8455	47.7070		
	8/1/2008 2:00	229	214	200	9.16	9.16		0.0164	7.54E-05	15.8863	5.8536	21.7399		
	8/1/2008 3:00	230	214	300	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	8/1/2008 4:00	231	214	400	9.18	9.18		0.0142	6.30E-05	13.2847	4.8950	18.1797		
	8/1/2008 5:00	232	214	500	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	8/1/2008 6:00	233	214	600	9.08	9.08		0.0253	1.29E-04	27.1788	10.0146	37.1934		
	8/1/2008 7:00	234	214	700	9.04	9.04		0.0299	1.58E-04	33.2899	12.2663	45.5562		
	8/1/2008 8:00	235	214	800	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/1/2008 9:00	236	214	900	8.02	8.02		0.1608	1.26E-03	264.5111	97.4646	361.9757		
	8/1/2008 10:00	237	214	1000	5.818	5.818		0.6002	6.35E-03	1337.9336	492.9892	1830.9228		
	8/1/2008 11:00	238	214	1100	5.743	5.743		0.6211	6.62E-03	1395.5065	514.2031	1909.7096		
	8/1/2008 12:00	239	214	1200	5.757	5.757		0.6172	6.57E-03	1384.6110	510.1884	1894.7994		
	8/1/2008 13:00	240	214	1300	5.63	5.63		0.6536	7.05E-03	1486.0364	547.5607	2033.5971		
	8/1/2008 14:00	241	214	1400	5.53	5.53		0.6835	7.45E-03	1570.1618	578.5584	2148.7202		
	8/1/2008 15:00	242	214	1500	5.439	5.439		0.7117	7.83E-03	1650.1864	608.0451	2258.2315		
	8/1/2008 16:00	243	214	1600	5.468	5.468		0.7026	7.71E-03	1624.3135	598.5117	2222.8252		
	8/1/2008 17:00	244	214	1700	5.632	5.632		0.6531	7.04E-03	1484.3932	546.9552	2031.3484		
	8/1/2008 18:00	245	214	1800	5.86	5.86		0.5887	6.20E-03	1306.5318	481.4185	1787.9503		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.81	5.81		0.6024	6.38E-03	1343.9824	495.2179	1839.2003		
	8/1/2008 20:00	247	214	2000	6.572	6.572		0.4166	4.05E-03	853.5747	314.5171	1168.0918		
	8/1/2008 21:00	248	214	2100	8.13	8.13		0.1451	1.11E-03	233.0837	85.8845	318.9682		
	8/1/2008 22:00	249	214	2200	8.89	8.89		0.0472	2.78E-04	58.5421	21.5710	80.1132		
	8/1/2008 23:00	250	214	2300	9.08	9.08		0.0253	1.29E-04	27.1788	10.0146	37.1934		
	8/2/2008 0:00	251	215	0	9.16	9.16	9.35	0.0164	7.54E-05	15.8863	5.8536	21.7399		
	8/2/2008 1:00	252	215	100	9.25	9.25		0.0065	2.41E-05	5.0808	1.8721	6.9529		
	8/2/2008 2:00	253	215	200	9.32	9.32		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.35	9.35		-0.0043	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.34	9.34		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.34	9.34		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.34	9.34		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.29	9.29		0.0022	6.20E-06	1.3070	0.4816	1.7886		
	8/2/2008 8:00	259	215	800	8.27	8.27		0.1258	9.27E-04	195.3734	71.9893	267.3627		
	8/2/2008 9:00	260	215	900	6.184	6.184		0.5055	5.14E-03	1082.9922	399.0507	1482.0429		
	8/2/2008 10:00	261	215	1000	5.822	5.822		0.5991	6.33E-03	1334.9174	491.8778	1826.7952		
	8/2/2008 11:00	262	215	1100	5.757	5.757		0.6172	6.57E-03	1384.6110	510.1884	1894.7994		
	8/2/2008 12:00	263	215	1200	5.709	5.709		0.6308	6.75E-03	1422.2570	524.0598	1946.3168		
	8/2/2008 13:00	264	215	1300	5.664	5.664		0.6437	6.92E-03	1458.3045	537.3423	1995.6468		
	8/2/2008 14:00	265	215	1400	5.625	5.625		0.6551	7.07E-03	1490.1513	549.0769	2039.2281		
	8/2/2008 15:00	266	215	1500	5.576	5.576		0.6697	7.26E-03	1530.9813	564.1215	2095.1028		
	8/2/2008 16:00	267	215	1600	5.576	5.576		0.6697	7.26E-03	1530.9813	564.1215	2095.1028		
	8/2/2008 17:00	268	215	1700	5.59	5.59		0.6655	7.21E-03	1519.2213	559.7884	2079.0097		
	8/2/2008 18:00	269	215	1800	5.889	5.889		0.5809	6.10E-03	1285.1917	473.5553	1758.7470		
	8/2/2008 19:00	270	215	1900	6.05	6.05		0.5388	5.56E-03	1171.5926	431.6974	1603.2900		
	8/2/2008 20:00	271	215	2000	6.658	6.658		0.3983	3.83E-03	807.6616	297.5995	1105.2611		
	8/2/2008 21:00	272	215	2100	7.79	7.79		0.1951	1.59E-03	335.5162	123.6278	459.1440		
	8/2/2008 22:00	273	215	2200	8.65	8.65		0.0763	5.01E-04	105.6181	38.9172	144.5353		
	8/2/2008 23:00	274	215	2300	8.93	8.93		0.0426	2.44E-04	51.4709	18.9655	70.4365		
	8/3/2008 0:00	275	216	0	8.95	8.95	9.37	0.0402	2.28E-04	48.0243	17.6955	65.7198		
	8/3/2008 1:00	276	216	100	8.86	8.86		0.0508	3.04E-04	63.9971	23.5810	87.5782		
	8/3/2008 2:00	277	216	200	9	9		0.0344	1.88E-04	39.6771	14.6199	54.2970		
	8/3/2008 3:00	278	216	300	9.18	9.18		0.0142	6.30E-05	13.2847	4.8950	18.1797		
	8/3/2008 4:00	279	216	400	9.3	9.3		0.0011	2.64E-06	0.5561	0.2049	0.7610		
	8/3/2008 5:00	280	216	500	9.37	9.37		-0.0064	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	9.37	9.37		-0.0064	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 7:00	282	216	700	9.32	9.32		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 8:00	283	216	800	8.25	8.25		0.1285	9.52E-04	200.6057	73.9173	274.5230		
	8/3/2008 9:00	284	216	900	6.023	6.023		0.5457	5.65E-03	1190.0835	438.5107	1628.5942		
	8/3/2008 10:00	285	216	1000	5.631	5.631		0.6533	7.05E-03	1485.2146	547.2579	2032.4725		
	8/3/2008 11:00	286	216	1100	5.6	5.6		0.6625	7.17E-03	1510.8678	556.7103	2067.5780		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.56	5.56		0.6745	7.33E-03	1544.5147	569.1082	2113.6229		
	8/3/2008 13:00	288	216	1300	5.536	5.536		0.6817	7.43E-03	1565.0038	576.6578	2141.6616		
	8/3/2008 14:00	289	216	1400	5.534	5.534		0.6823	7.43E-03	1566.7215	577.2908	2144.0123		
	8/3/2008 15:00	290	216	1500	5.592	5.592		0.6649	7.20E-03	1517.5475	559.1716	2076.7191		
	8/3/2008 16:00	291	216	1600	5.6	5.6		0.6625	7.17E-03	1510.8678	556.7103	2067.5780		
	8/3/2008 17:00	292	216	1700	5.572	5.572		0.6709	7.28E-03	1534.3553	565.3648	2099.7200		
	8/3/2008 18:00	293	216	1800	5.847	5.847		0.5923	6.24E-03	1316.1882	484.9766	1801.1649		
	8/3/2008 19:00	294	216	1900	5.863	5.863		0.5879	6.19E-03	1304.3113	480.6003	1784.9116		
	8/3/2008 20:00	295	216	2000	6.189	6.189		0.5043	5.12E-03	1079.7854	397.8691	1477.6545		
	8/3/2008 21:00	296	216	2100	7.154	7.154		0.3014	2.72E-03	572.9524	211.1161	784.0684		
	8/3/2008 22:00	297	216	2200	7.915	7.915		0.1762	1.40E-03	296.0223	109.0755	405.0978		
	8/3/2008 23:00	298	216	2300	8.05	8.05		0.1565	1.21E-03	255.7809	94.2477	350.0286		
	8/4/2008 0:00	299	217	0	8.07	8.07	8.85	0.1537	1.19E-03	250.0273	92.1277	342.1550		
	8/4/2008 1:00	300	217	100	8.1	8.1		0.1494	1.15E-03	241.4962	88.9843	330.4805		
	8/4/2008 2:00	301	217	200	7.838	7.838		0.1878	1.52E-03	320.0917	117.9444	438.0361		
	8/4/2008 3:00	302	217	300	7.618	7.618		0.2221	1.87E-03	393.5150	144.9987	538.5136		
	8/4/2008 4:00	303	217	400	7.423	7.423		0.2542	2.20E-03	464.6635	171.2148	635.8783		
	8/4/2008 5:00	304	217	500	7.59	7.59		0.2266	1.91E-03	403.3709	148.6303	552.0012		
	8/4/2008 6:00	305	217	600	8.1	8.1		0.1494	1.15E-03	241.4962	88.9843	330.4805		
	8/4/2008 7:00	306	217	700	8.25	8.25		0.1285	9.52E-04	200.6057	73.9173	274.5230		
	8/4/2008 8:00	307	217	800	7.955	7.955		0.1703	1.35E-03	283.8415	104.5872	388.4287		
	8/4/2008 9:00	308	217	900	7.462	7.462		0.2477	2.13E-03	449.9580	165.7963	615.7542		
	8/4/2008 10:00	309	217	1000	6.426	6.426		0.4488	4.44E-03	935.4612	344.6899	1280.1511		
	8/4/2008 11:00	310	217	1100	5.823	5.823		0.5988	6.33E-03	1334.1642	491.6002	1825.7644		
	8/4/2008 12:00	311	217	1200	5.644	5.644		0.6495	7.00E-03	1474.5651	543.3338	2017.8989		
	8/4/2008 13:00	312	217	1300	5.566	5.566		0.6727	7.30E-03	1539.4280	567.2339	2106.6618		
	8/4/2008 14:00	313	217	1400	5.923	5.923		0.5718	5.98E-03	1260.5215	464.4651	1724.9866		
	8/4/2008 15:00	314	217	1500	6.303	6.303		0.4771	4.79E-03	1008.5238	371.6113	1380.1351		
	8/4/2008 16:00	315	217	1600	5.642	5.642		0.6501	7.00E-03	1476.1993	543.9360	2020.1354		
	8/4/2008 17:00	316	217	1700	5.654	5.654		0.6466	6.96E-03	1466.4162	540.3312	2006.7474		
	8/4/2008 18:00	317	217	1800	5.986	5.986		0.5553	5.77E-03	1215.7829	447.9802	1663.7632		
	8/4/2008 19:00	318	217	1900	6.111	6.111		0.5235	5.36E-03	1130.6155	416.5985	1547.2140		
	8/4/2008 20:00	319	217	2000	6.677	6.677		0.3943	3.78E-03	797.7411	293.9441	1091.6852		
	8/4/2008 21:00	320	217	2100	8.15	8.15		0.1423	1.08E-03	227.5409	83.8421	311.3830		
	8/4/2008 22:00	321	217	2200	8.72	8.72		0.0677	4.32E-04	91.0940	33.5654	124.6594		
	8/4/2008 23:00	322	217	2300	8.85	8.85		0.0520	3.12E-04	65.8437	24.2615	90.1052		
	8/5/2008 0:00	323	218	0	9.03	9.03	9.20	0.0310	1.65E-04	34.8615	12.8455	47.7070		
	8/5/2008 1:00	324	218	100	9.11	9.11		0.0220	1.08E-04	22.7902	8.3975	31.1877		
	8/5/2008 2:00	325	218	200	9.16	9.16		0.0164	7.54E-05	15.8863	5.8536	21.7399		
	8/5/2008 3:00	326	218	300	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	8/5/2008 4:00	327	218	400	9.11	9.11		0.0220	1.08E-04	22.7902	8.3975	31.1877		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.13	9.13		0.0197	9.47E-05	19.9640	7.3561	27.3201		
	8/5/2008 6:00	329	218	600	9.14	9.14		0.0186	8.82E-05	18.5825	6.8471	25.4296		
	8/5/2008 7:00	330	218	700	9.15	9.15		0.0175	8.17E-05	17.2230	6.3462	23.5692		
	8/5/2008 8:00	331	218	800	9.09	9.09		0.0242	1.22E-04	25.6967	9.4685	35.1651		
	8/5/2008 9:00	332	218	900	8.03	8.03		0.1594	1.24E-03	261.5877	96.3874	357.9750		
	8/5/2008 10:00	333	218	1000	6.249	6.249		0.4898	4.94E-03	1041.8415	383.8879	1425.7294		
	8/5/2008 11:00	334	218	1100	6.406	6.406		0.4533	4.49E-03	947.0806	348.9713	1296.0519		
	8/5/2008 12:00	335	218	1200	6.173	6.173		0.5082	5.17E-03	1090.0718	401.6594	1491.7311		
	8/5/2008 13:00	336	218	1300	5.764	5.764		0.6152	6.54E-03	1379.1890	508.1906	1887.3796		
	8/5/2008 14:00	337	218	1400	6.291	6.291		0.4799	4.82E-03	1015.8608	374.3148	1390.1756		
	8/5/2008 15:00	338	218	1500	6.677	6.677		0.3943	3.78E-03	797.7411	293.9441	1091.6852		
	8/5/2008 16:00	339	218	1600	6.544	6.544		0.4227	4.12E-03	868.8875	320.1595	1189.0470		
	8/5/2008 17:00	340	218	1700	5.975	5.975		0.5582	5.81E-03	1223.5047	450.8255	1674.3302		
	8/5/2008 18:00	341	218	1800	5.827	5.827		0.5977	6.32E-03	1331.1547	490.4913	1821.6461		
	8/5/2008 19:00	342	218	1900	5.95	5.95		0.5647	5.89E-03	1241.1947	457.3437	1698.5383		
	8/5/2008 20:00	343	218	2000	6.847	6.847		0.3597	3.38E-03	712.4238	262.5072	974.9310		
	8/5/2008 21:00	344	218	2100	8.44	8.44		0.1031	7.26E-04	152.9563	56.3599	209.3162		
	8/5/2008 22:00	345	218	2200	9.06	9.06		0.0276	1.43E-04	30.1985	11.1273	41.3258		
	8/5/2008 23:00	346	218	2300	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	8/6/2008 0:00	347	219	0	9.24	9.24	9.24	0.0076	2.92E-05	6.1506	2.2663	8.4170		
	8/6/2008 1:00	348	219	100	9.23	9.23		0.0087	3.44E-05	7.2592	2.6748	9.9340		
	8/6/2008 2:00	349	219	200	9.22	9.22		0.0098	3.99E-05	8.4030	3.0963	11.4993		
	8/6/2008 3:00	350	219	300	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	8/6/2008 4:00	351	219	400	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	8/6/2008 5:00	352	219	500	9.14	9.14		0.0186	8.82E-05	18.5825	6.8471	25.4296		
	8/6/2008 6:00	353	219	600	9.11	9.11		0.0220	1.08E-04	22.7902	8.3975	31.1877		
	8/6/2008 7:00	354	219	700	9.06	9.06		0.0276	1.43E-04	30.1985	11.1273	41.3258		
	8/6/2008 8:00	355	219	800	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/6/2008 9:00	356	219	900	8.9	8.9		0.0461	2.69E-04	56.7524	20.9116	77.6640		
	8/6/2008 10:00	357	219	1000	6.777	6.777		0.3738	3.54E-03	746.8174	275.1802	1021.9976		
	8/6/2008 11:00	358	219	1100	5.495	5.495		0.6943	7.59E-03	1600.5387	589.7514	2190.2901		
	8/6/2008 12:00	359	219	1200	6.104	6.104		0.5252	5.39E-03	1135.2624	418.3108	1553.5731		
	8/6/2008 13:00	360	219	1300	6.677	6.677		0.3943	3.78E-03	797.7411	293.9441	1091.6852		
	8/6/2008 14:00	361	219	1400	6.175	6.175		0.5077	5.17E-03	1088.7820	401.1841	1489.9662		
	8/6/2008 15:00	362	219	1500	5.727	5.727		0.6256	6.68E-03	1408.0436	518.8226	1926.8662		
	8/6/2008 16:00	363	219	1600	5.844	5.844		0.5931	6.26E-03	1318.4247	485.8007	1804.2254		
	8/6/2008 17:00	364	219	1700	5.725	5.725		0.6262	6.69E-03	1409.6171	519.4024	1929.0195		
	8/6/2008 18:00	365	219	1800	6.339	6.339		0.4687	4.68E-03	986.7389	363.5842	1350.3231		
	8/6/2008 19:00	366	219	1900	6.359	6.359		0.4641	4.62E-03	974.7811	359.1781	1333.9592		
	8/6/2008 20:00	367	219	2000	6.632	6.632		0.4038	3.90E-03	821.3666	302.6494	1124.0160		
	8/6/2008 21:00	368	219	2100	8.12	8.12		0.1466	1.12E-03	235.8748	86.9129	322.7877		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/6/2008 23:00	370	219	2300	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	8/7/2008 0:00	371	220	0	9.27	9.27	9.27	0.0043	1.46E-05	3.0761	1.1335	4.2096		
	8/7/2008 1:00	372	220	100	9.27	9.27		0.0043	1.46E-05	3.0761	1.1335	4.2096		
	8/7/2008 2:00	373	220	200	9.25	9.25		0.0065	2.41E-05	5.0808	1.8721	6.9529		
	8/7/2008 3:00	374	220	300	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	8/7/2008 4:00	375	220	400	9.19	9.19		0.0131	5.70E-05	12.0220	4.4298	16.4518		
	8/7/2008 5:00	376	220	500	9.15	9.15		0.0175	8.17E-05	17.2230	6.3462	23.5692		
	8/7/2008 6:00	377	220	600	9.1	9.1		0.0231	1.15E-04	24.2336	8.9294	33.1630		
	8/7/2008 7:00	378	220	700	9.06	9.06		0.0276	1.43E-04	30.1985	11.1273	41.3258		
	8/7/2008 8:00	379	220	800	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/7/2008 9:00	380	220	900	8.43	8.43		0.1044	7.37E-04	155.3499	57.2419	212.5918		
	8/7/2008 10:00	381	220	1000	6.254	6.254		0.4886	4.93E-03	1038.7237	382.7391	1421.4629		
	8/7/2008 11:00	382	220	1100	5.403	5.403		0.7231	7.98E-03	1682.7989	620.0619	2302.8608		
	8/7/2008 12:00	383	220	1200	5.548	5.548		0.6781	7.38E-03	1554.7308	572.8725	2127.6033		
	8/7/2008 13:00	384	220	1300	5.611	5.611		0.6592	7.13E-03	1501.7231	553.3408	2055.0639		
	8/7/2008 14:00	385	220	1400	5.616	5.616		0.6578	7.11E-03	1497.5818	551.8148	2049.3966		
	8/7/2008 15:00	386	220	1500	5.603	5.603		0.6616	7.16E-03	1508.3692	555.7896	2064.1588		
	8/7/2008 16:00	387	220	1600	5.533	5.533		0.6826	7.44E-03	1567.5810	577.6074	2145.1884		
	8/7/2008 17:00	388	220	1700	5.57	5.57		0.6715	7.29E-03	1536.0446	565.9872	2102.0318		
	8/7/2008 18:00	389	220	1800	5.916	5.916		0.5737	6.00E-03	1265.5702	466.3254	1731.8955		
	8/7/2008 19:00	390	220	1900	6.066	6.066		0.5348	5.51E-03	1160.7382	427.6979	1588.4361		
	8/7/2008 20:00	391	220	2000	6.468	6.468		0.4394	4.32E-03	911.3810	335.8171	1247.1981		
	8/7/2008 21:00	392	220	2100	7.937	7.937		0.1730	1.37E-03	289.2958	106.5970	395.8927		
	8/7/2008 22:00	393	220	2200	8.76	8.76		0.0628	3.94E-04	83.0827	30.6135	113.6962		
	8/7/2008 23:00	394	220	2300	9.06	9.06		0.0276	1.43E-04	30.1985	11.1273	41.3258		
	8/8/2008 0:00	395	221	0	9.21	9.21	9.32	0.0109	4.55E-05	9.5795	3.5298	13.1093		
	8/8/2008 1:00	396	221	100	9.26	9.26		0.0054	1.92E-05	4.0540	1.4938	5.5477		
	8/8/2008 2:00	397	221	200	9.32	9.32		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	9.3	9.3		0.0011	2.64E-06	0.5561	0.2049	0.7610		
	8/8/2008 4:00	399	221	400	9.26	9.26		0.0054	1.92E-05	4.0540	1.4938	5.5477		
	8/8/2008 5:00	400	221	500	9.21	9.21		0.0109	4.55E-05	9.5795	3.5298	13.1093		
	8/8/2008 6:00	401	221	600	9.16	9.16		0.0164	7.54E-05	15.8863	5.8536	21.7399		
	8/8/2008 7:00	402	221	700	9.11	9.11		0.0220	1.08E-04	22.7902	8.3975	31.1877		
	8/8/2008 8:00	403	221	800	9.02	9.02		0.0322	1.73E-04	36.4501	13.4308	49.8810		
	8/8/2008 9:00	404	221	900	7.451	7.451		0.2495	2.15E-03	454.0811	167.3155	621.3966		
	8/8/2008 10:00	405	221	1000	5.753	5.753		0.6183	6.58E-03	1387.7170	511.3329	1899.0498		
	8/8/2008 11:00	406	221	1100	5.556	5.556		0.6757	7.34E-03	1547.9138	570.3607	2118.2744		
	8/8/2008 12:00	407	221	1200	5.574	5.574		0.6703	7.27E-03	1532.6675	564.7429	2097.4104		
	8/8/2008 13:00	408	221	1300	5.588	5.588		0.6661	7.22E-03	1520.8967	560.4057	2081.3024		
	8/8/2008 14:00	409	221	1400	5.527	5.527		0.6845	7.46E-03	1572.7462	579.5107	2152.2568		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.475	5.475		0.7005	7.68E-03	1618.1208	596.2299	2214.3507		
	8/8/2008 16:00	411	221	1600	5.415	5.415		0.7193	7.93E-03	1671.8666	616.0336	2287.9002		
	8/8/2008 17:00	412	221	1700	5.539	5.539		0.6808	7.41E-03	1562.4302	575.7095	2138.1397		
	8/8/2008 18:00	413	221	1800	5.993	5.993		0.5535	5.75E-03	1210.8886	446.1768	1657.0654		
	8/8/2008 19:00	414	221	1900	5.95	5.95		0.5647	5.89E-03	1241.1947	457.3437	1698.5383		
	8/8/2008 20:00	415	221	2000	6.587	6.587		0.4134	4.01E-03	845.4458	311.5219	1156.9677		
	8/8/2008 21:00	416	221	2100	7.927	7.927		0.1745	1.39E-03	292.3450	107.7205	400.0656		
	8/8/2008 22:00	417	221	2200	8.63	8.63		0.0788	5.21E-04	109.8843	40.4891	150.3735		
	8/8/2008 23:00	418	221	2300	8.84	8.84		0.0532	3.21E-04	67.7043	24.9470	92.6514		
	8/9/2008 0:00	419	222	0	8.95	8.95	9.17	0.0402	2.28E-04	48.0243	17.6955	65.7198		
	8/9/2008 1:00	420	222	100	8.98	8.98		0.0367	2.04E-04	42.9689	15.8328	58.8017		
	8/9/2008 2:00	421	222	200	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/9/2008 3:00	422	222	300	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/9/2008 4:00	423	222	400	9	9		0.0344	1.88E-04	39.6771	14.6199	54.2970		
	8/9/2008 5:00	424	222	500	8.9	8.9		0.0461	2.69E-04	56.7524	20.9116	77.6640		
	8/9/2008 6:00	425	222	600	8.84	8.84		0.0532	3.21E-04	67.7043	24.9470	92.6514		
	8/9/2008 7:00	426	222	700	8.57	8.57		0.0863	5.84E-04	122.9905	45.3184	168.3088		
	8/9/2008 8:00	427	222	800	7.761	7.761		0.1996	1.64E-03	344.9938	127.1201	472.1138		
	8/9/2008 9:00	428	222	900	8.13	8.13		0.1451	1.11E-03	233.0837	85.8845	318.9682		
	8/9/2008 10:00	429	222	1000	7.991	7.991		0.1651	1.30E-03	273.0650	100.6164	373.6814		
	8/9/2008 11:00	430	222	1100	7.246	7.246		0.2848	2.54E-03	534.5314	196.9591	731.4905		
	8/9/2008 12:00	431	222	1200	6.426	6.426		0.4488	4.44E-03	935.4612	344.6899	1280.1511		
	8/9/2008 13:00	432	222	1300	6.15	6.15		0.5138	5.24E-03	1104.9844	407.1542	1512.1387		
	8/9/2008 14:00	433	222	1400	5.677	5.677		0.6400	6.87E-03	1447.8147	533.4771	1981.2918		
	8/9/2008 15:00	434	222	1500	5.598	5.598		0.6631	7.18E-03	1512.5354	557.3248	2069.8602		
	8/9/2008 16:00	435	222	1600	5.642	5.642		0.6501	7.00E-03	1476.1993	543.9360	2020.1354		
	8/9/2008 17:00	436	222	1700	5.71	5.71		0.6305	6.74E-03	1421.4643	523.7678	1945.2321		
	8/9/2008 18:00	437	222	1800	5.95	5.95		0.5647	5.89E-03	1241.1947	457.3437	1698.5383		
	8/9/2008 19:00	438	222	1900	6.249	6.249		0.4898	4.94E-03	1041.8415	383.8879	1425.7294		
	8/9/2008 20:00	439	222	2000	6.765	6.765		0.3762	3.57E-03	752.8156	277.3904	1030.2060		
	8/9/2008 21:00	440	222	2100	8.32	8.32		0.1190	8.66E-04	182.5163	67.2519	249.7682		
	8/9/2008 22:00	441	222	2200	9.05	9.05		0.0287	1.51E-04	31.7354	11.6936	43.4290		
	8/9/2008 23:00	442	222	2300	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	8/10/2008 0:00	443	223	0	9.21	9.21	9.23	0.0109	4.55E-05	9.5795	3.5298	13.1093		
	8/10/2008 1:00	444	223	100	9.23	9.23		0.0087	3.44E-05	7.2592	2.6748	9.9340		
	8/10/2008 2:00	445	223	200	9.23	9.23		0.0087	3.44E-05	7.2592	2.6748	9.9340		
	8/10/2008 3:00	446	223	300	9.2	9.2		0.0120	5.12E-05	10.7864	3.9745	14.7609		
	8/10/2008 4:00	447	223	400	9.17	9.17		0.0153	6.91E-05	14.5732	5.3698	19.9429		
	8/10/2008 5:00	448	223	500	9.15	9.15		0.0175	8.17E-05	17.2230	6.3462	23.5692		
	8/10/2008 6:00	449	223	600	9.12	9.12		0.0208	1.01E-04	21.3668	7.8730	29.2398		
	8/10/2008 7:00	450	223	700	9.1	9.1		0.0231	1.15E-04	24.2336	8.9294	33.1630		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	9.09	9.09		0.0242	1.22E-04	25.6967	9.4685	35.1651		
	8/10/2008 9:00	452	223	900	8.49	8.49		0.0966	6.70E-04	141.1777	52.0198	193.1975		
	8/10/2008 10:00	453	223	1000	6.325	6.325		0.4719	4.72E-03	995.1707	366.6911	1361.8619		
	8/10/2008 11:00	454	223	1100	5.451	5.451		0.7079	7.78E-03	1639.4376	604.0845	2243.5222		
	8/10/2008 12:00	455	223	1200	5.616	5.616		0.6578	7.11E-03	1497.5818	551.8148	2049.3966		
	8/10/2008 13:00	456	223	1300	5.695	5.695		0.6348	6.80E-03	1433.3926	528.1630	1961.5556		
	8/10/2008 14:00	457	223	1400	5.662	5.662		0.6443	6.93E-03	1459.9239	537.9390	1997.8629		
	8/10/2008 15:00	458	223	1500	5.811	5.811		0.6021	6.37E-03	1343.2251	494.9389	1838.1640		
	8/10/2008 16:00	459	223	1600	5.603	5.603		0.6616	7.16E-03	1508.3692	555.7896	2064.1588		
	8/10/2008 17:00	460	223	1700	5.801	5.801		0.6049	6.41E-03	1350.8133	497.7349	1848.5482		
	8/10/2008 18:00	461	223	1800	8.14	8.14		0.1437	1.09E-03	230.3058	84.8609	315.1666		
	8/10/2008 19:00	462	223	1900	8.8	8.8		0.0580	3.57E-04	75.2848	27.7402	103.0250		
	8/10/2008 20:00	463	223	2000	8.81	8.81		0.0568	3.48E-04	73.3691	27.0344	100.4035		
	8/10/2008 21:00	464	223	2100	8.85	8.85		0.0520	3.12E-04	65.8437	24.2615	90.1052		
	8/10/2008 22:00	465	223	2200	8.97	8.97		0.0379	2.12E-04	44.6385	16.4480	61.0865		
	8/10/2008 23:00	466	223	2300	8.96	8.96		0.0391	2.20E-04	46.3237	17.0689	63.3926		
	8/11/2008 0:00	467	224	0	8.99	8.99	9.30	0.0356	1.96E-04	41.3150	15.2234	56.5384		
	8/11/2008 1:00	468	224	100	9.11	9.11		0.0220	1.08E-04	22.7902	8.3975	31.1877		
	8/11/2008 2:00	469	224	200	9.24	9.24		0.0076	2.92E-05	6.1506	2.2663	8.4170		
	8/11/2008 3:00	470	224	300	9.29	9.29		0.0022	6.20E-06	1.3070	0.4816	1.7886		
	8/11/2008 4:00	471	224	400	9.3	9.3		0.0011	2.64E-06	0.5561	0.2049	0.7610		
	8/11/2008 5:00	472	224	500	9.29	9.29		0.0022	6.20E-06	1.3070	0.4816	1.7886		
	8/11/2008 6:00	473	224	600	9.29	9.29		0.0022	6.20E-06	1.3070	0.4816	1.7886		
	8/11/2008 7:00	474	224	700	9.3	9.3		0.0011	2.64E-06	0.5561	0.2049	0.7610		
	8/11/2008 8:00	475	224	800	9.28	9.28		0.0032	1.02E-05	2.1559	0.7944	2.9503		
	8/11/2008 9:00	476	224	900	8.69	8.69		0.0713	4.61E-04	97.2406	35.8303	133.0708		
	8/11/2008 10:00	477	224	1000	6.532	6.532		0.4253	4.15E-03	875.5061	322.5982	1198.1043		
	8/11/2008 11:00	478	224	1100	5.698	5.698		0.6339	6.79E-03	1431.0005	527.2815	1958.2820		
	8/11/2008 12:00	479	224	1200	5.786	5.786		0.6091	6.46E-03	1362.2599	501.9527	1864.2126		
	8/11/2008 13:00	480	224	1300	6.077	6.077		0.5320	5.47E-03	1153.3199	424.9645	1578.2844		
	8/11/2008 14:00	481	224	1400	5.757	5.757		0.6172	6.57E-03	1384.6110	510.1884	1894.7994		
	8/11/2008 15:00	482	224	1500	5.672	5.672		0.6414	6.89E-03	1451.8419	534.9610	1986.8029		
	8/11/2008 16:00	483	224	1600	5.919	5.919		0.5729	5.99E-03	1263.4045	465.5274	1728.9319		
	8/11/2008 17:00	484	224	1700	5.987	5.987		0.5550	5.77E-03	1215.0828	447.7223	1662.8051		
	8/11/2008 18:00	485	224	1800	6.354	6.354		0.4652	4.64E-03	977.7609	360.2761	1338.0370		
	8/11/2008 19:00	486	224	1900	6.556	6.556		0.4201	4.09E-03	862.3026	317.7331	1180.0357		
	8/11/2008 20:00	487	224	2000	7.258	7.258		0.2827	2.51E-03	529.6284	195.1525	724.7809		
	8/11/2008 21:00	488	224	2100	8.29	8.29		0.1230	9.02E-04	190.1922	70.0802	260.2725		
	8/11/2008 22:00	489	224	2200	8.79	8.79		0.0592	3.66E-04	77.2141	28.4511	105.6652		
	8/11/2008 23:00	490	224	2300	9.01	9.01		0.0333	1.81E-04	38.0554	14.0223	52.0777		
	8/12/2008 0:00	491	225	0	9.13	9.13	9.19	0.0197	9.47E-05	19.9640	7.3561	27.3201		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	9.09	9.09		0.0242	1.22E-04	25.6967	9.4685	35.1651		
	8/12/2008 2:00	493	225	200	8.19	8.19		0.1368	1.03E-03	216.6115	79.8150	296.4265		
	8/12/2008 3:00	494	225	300	8.63	8.63		0.0788	5.21E-04	109.8843	40.4891	150.3735		
	8/12/2008 4:00	495	225	400	8.92	8.92		0.0437	2.52E-04	53.2167	19.6088	72.8255		
	8/12/2008 5:00	496	225	500	8.98	8.98		0.0367	2.04E-04	42.9689	15.8328	58.8017		
	8/12/2008 6:00	497	225	600	9.04	9.04		0.0299	1.58E-04	33.2899	12.2663	45.5562		
	8/12/2008 7:00	498	225	700	9.05	9.05		0.0287	1.51E-04	31.7354	11.6936	43.4290		
	8/12/2008 8:00	499	225	800	9.02	9.02		0.0322	1.73E-04	36.4501	13.4308	49.8810		
	8/12/2008 9:00	500	225	900	8.56	8.56		0.0876	5.94E-04	125.2195	46.1397	171.3592		
	8/12/2008 10:00	501	225	1000	6.726	6.726		0.3842	3.67E-03	772.5205	284.6511	1057.1716		
	8/12/2008 11:00	502	225	1100	5.844	5.844		0.5931	6.26E-03	1318.4247	485.8007	1804.2254		
	8/12/2008 12:00	503	225	1200	5.725	5.725		0.6262	6.69E-03	1409.6171	519.4024	1929.0195		
	8/12/2008 13:00	504	225	1300	5.72	5.72		0.6276	6.71E-03	1413.5572	520.8542	1934.4114		
	8/12/2008 14:00	505	225	1400	5.718	5.718		0.6282	6.71E-03	1415.1357	521.4359	1936.5716		
	8/12/2008 15:00	506	225	1500	5.644	5.644		0.6495	7.00E-03	1474.5651	543.3338	2017.8989		
	8/12/2008 16:00	507	225	1600	5.639	5.639		0.6510	7.02E-03	1478.6535	544.8403	2023.4939		
	8/12/2008 17:00	508	225	1700	5.708	5.708		0.6310	6.75E-03	1423.0501	524.3521	1947.4021		
	8/12/2008 18:00	509	225	1800	6.044	6.044		0.5404	5.58E-03	1175.6827	433.2045	1608.8872		
	8/12/2008 19:00	510	225	1900	6.356	6.356		0.4648	4.63E-03	976.5682	359.8366	1336.4048		
	8/12/2008 20:00	511	225	2000	6.851	6.851		0.3589	3.37E-03	710.4888	261.7942	972.2830		
	8/12/2008 21:00	512	225	2100	8.4	8.4		0.1083	7.72E-04	162.6068	59.9158	222.5227		
	8/12/2008 22:00	513	225	2200	9.05	9.05		0.0287	1.51E-04	31.7354	11.6936	43.4290		
	8/12/2008 23:00	514	225	2300	9.19	9.19		0.0131	5.70E-05	12.0220	4.4298	16.4518		
	8/13/2008 0:00	515	226	0	9.23	9.23	9.34	0.0087	3.44E-05	7.2592	2.6748	9.9340		
	8/13/2008 1:00	516	226	100	9.26	9.26		0.0054	1.92E-05	4.0540	1.4938	5.5477		
	8/13/2008 2:00	517	226	200	9.3	9.3		0.0011	2.64E-06	0.5561	0.2049	0.7610		
	8/13/2008 3:00	518	226	300	9.32	9.32		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 4:00	519	226	400	9.32	9.32		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 5:00	520	226	500	9.34	9.34		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 6:00	521	226	600	9.31	9.31		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 7:00	522	226	700	9.28	9.28		0.0032	1.02E-05	2.1559	0.7944	2.9503		
	8/13/2008 8:00	523	226	800	9.15	9.15		0.0175	8.17E-05	17.2230	6.3462	23.5692		
	8/13/2008 9:00	524	226	900	7.838	7.838		0.1878	1.52E-03	320.0917	117.9444	438.0361		
	8/13/2008 10:00	525	226	1000	6.17	6.17		0.5089	5.18E-03	1092.0084	402.3730	1494.3814		
	8/13/2008 11:00	526	226	1100	5.96	5.96		0.5621	5.86E-03	1234.0951	454.7277	1688.8229		
	8/13/2008 12:00	527	226	1200	5.731	5.731		0.6245	6.67E-03	1404.9008	517.6646	1922.5653		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.885	4.885	9.73	0.9918	1.18E-02	1758.5151	647.9610	2406.4761		
W505EC1	7/22/2008 14:00	1	204	1400	5.262	5.262		0.8491	9.73E-03	1452.4271	535.1766	1987.6038		
30"N	7/22/2008 15:00	2	204	1500	5.131	5.131		0.8963	1.04E-02	1552.4646	572.0375	2124.5021		
Probe #	7/22/2008 16:00	3	204	1600	5.075	5.075		0.9172	1.07E-02	1597.1992	588.5209	2185.7201		
	7/22/2008 17:00	4	204	1700	5.066	5.066		0.9206	1.07E-02	1604.5035	591.2123	2195.7157		
8	7/22/2008 18:00	5	204	1800	5.183	5.183		0.8773	1.01E-02	1511.9996	557.1274	2069.1270		
	7/22/2008 19:00	6	204	1900	5.242	5.242		0.8562	9.83E-03	1467.2968	540.6557	2007.9524		
	7/22/2008 20:00	7	204	2000	5.889	5.889		0.6522	7.03E-03	1049.7153	386.7892	1436.5045		
	7/22/2008 21:00	8	204	2100	7.765	7.765		0.2531	2.19E-03	327.2705	120.5896	447.8601		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.26	9.26		0.0508	3.03E-04	45.2893	16.6878	61.9771		
	7/22/2008 23:00	10	204	2300	9.73	9.73		0.0000	0.00E+00	0.0000	0.0000	0.0000		
9.1	7/23/2008 0:00	11	205	0	9.94	9.94	9.98	-0.0211	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.98	9.98		-0.0251	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.92	9.92		-0.0192	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.82	9.82		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.71	9.71		0.0021	5.87E-06	0.8767	0.3230	1.1997		
	7/23/2008 5:00	16	205	500	9.54	9.54		0.0199	9.59E-05	14.3174	5.2755	19.5929		
	7/23/2008 6:00	17	205	600	9.34	9.34		0.0418	2.39E-04	35.6160	13.1235	48.7395		
	7/23/2008 7:00	18	205	700	9.02	9.02		0.0787	5.21E-04	77.7287	28.6407	106.3695		
	7/23/2008 8:00	19	205	800	8.14	8.14		0.1953	1.59E-03	237.9485	87.6770	325.6255		
	7/23/2008 9:00	20	205	900	6.523	6.523		0.4916	4.97E-03	741.2502	273.1289	1014.3791		
	7/23/2008 10:00	21	205	1000	5.486	5.486		0.7736	8.68E-03	1295.1180	477.2128	1772.3308		
	7/23/2008 11:00	22	205	1100	5.465	5.465		0.7804	8.77E-03	1309.1776	482.3934	1791.5710		
	7/23/2008 12:00	23	205	1200	5.371	5.371		0.8116	9.20E-03	1373.8176	506.2114	1880.0290		
	7/23/2008 13:00	24	205	1300	5.338	5.338		0.8228	9.36E-03	1397.1919	514.8241	1912.0159		
	7/23/2008 14:00	25	205	1400	5.301	5.301		0.8355	9.54E-03	1423.8347	524.6412	1948.4759		
	7/23/2008 15:00	26	205	1500	5.22	5.22		0.8640	9.94E-03	1483.8181	546.7433	2030.5614		
	7/23/2008 16:00	27	205	1600	5.445	5.445		0.7870	8.86E-03	1322.6953	487.3743	1810.0696		
	7/23/2008 17:00	28	205	1700	5.963	5.963		0.6317	6.76E-03	1009.2416	371.8758	1381.1175		
	7/23/2008 18:00	29	205	1800	6.846	6.846		0.4213	4.11E-03	612.8767	225.8270	838.7037		
	7/23/2008 19:00	30	205	1900	6.715	6.715		0.4490	4.44E-03	662.9042	244.2607	907.1649		
	7/23/2008 20:00	31	205	2000	7.29	7.29		0.3347	3.09E-03	461.7437	170.1390	631.8827		
	7/23/2008 21:00	32	205	2100	8.21	8.21		0.1851	1.49E-03	222.7587	82.0800	304.8388		
	7/23/2008 22:00	33	205	2200	8.89	8.89		0.0945	6.52E-04	97.3266	35.8620	133.1886		
	7/23/2008 23:00	34	205	2300	9.06	9.06		0.0740	4.82E-04	71.9805	26.5227	98.5032		
	7/24/2008 0:00	35	206	0	9	9	9.56	0.0811	5.40E-04	80.6528	29.7182	110.3710		
	7/24/2008 1:00	36	206	100	9.02	9.02		0.0787	5.21E-04	77.7287	28.6407	106.3695		
	7/24/2008 2:00	37	206	200	9.03	9.03		0.0775	5.11E-04	76.2791	28.1066	104.3858		
	7/24/2008 3:00	38	206	300	9.12	9.12		0.0669	4.26E-04	63.6105	23.4386	87.0492		
	7/24/2008 4:00	39	206	400	9.19	9.19		0.0588	3.63E-04	54.2347	19.9839	74.2186		
	7/24/2008 5:00	40	206	500	9.29	9.29		0.0474	2.79E-04	41.5915	15.3252	56.9168		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.35	9.35		0.0406	2.31E-04	34.4498	12.6937	47.1435		
	7/24/2008 7:00	42	206	700	9.32	9.32		0.0440	2.54E-04	37.9776	13.9936	51.9712		
	7/24/2008 8:00	43	206	800	9.05	9.05		0.0751	4.92E-04	73.4050	27.0476	100.4526		
	7/24/2008 9:00	44	206	900	8.38	8.38		0.1611	1.26E-03	187.7021	69.1627	256.8648		
	7/24/2008 10:00	45	206	1000	8.21	8.21		0.1851	1.49E-03	222.7587	82.0800	304.8388		
	7/24/2008 11:00	46	206	1100	5.93	5.93		0.6408	6.88E-03	1027.1291	378.4668	1405.5959		
	7/24/2008 12:00	47	206	1200	5.172	5.172		0.8813	1.02E-02	1520.4750	560.2503	2080.7253		
	7/24/2008 13:00	48	206	1300	5.77	5.77		0.6863	7.49E-03	1117.6275	411.8128	1529.4403		
	7/24/2008 14:00	49	206	1400	5.536	5.536		0.7576	8.46E-03	1262.1848	465.0780	1727.2628		
	7/24/2008 15:00	50	206	1500	5.093	5.093		0.9105	1.06E-02	1582.6869	583.1735	2165.8604		
	7/24/2008 16:00	51	206	1600	5.045	5.045		0.9286	1.09E-02	1621.6725	597.5386	2219.2110		
	7/24/2008 17:00	52	206	1700	5.332	5.332		0.8248	9.39E-03	1401.4808	516.4044	1917.8852		
	7/24/2008 18:00	53	206	1800	5.061	5.061		0.9225	1.08E-02	1608.5753	592.7126	2201.2879		
	7/24/2008 19:00	54	206	1900	5.334	5.334		0.8241	9.38E-03	1400.0498	515.8771	1915.9270		
	7/24/2008 20:00	55	206	2000	6.741	6.741		0.4434	4.37E-03	652.7614	240.5234	893.2848		
	7/24/2008 21:00	56	206	2100	8.31	8.31		0.1709	1.35E-03	201.8273	74.3674	276.1947		
	7/24/2008 22:00	57	206	2200	9.28	9.28		0.0485	2.87E-04	42.8149	15.7760	58.5909		
	7/24/2008 23:00	58	206	2300	9.56	9.56		0.0178	8.34E-05	12.4532	4.5886	17.0418		
	7/25/2008 0:00	59	207	0	9.62	9.62	9.62	0.0114	4.84E-05	7.2312	2.6645	9.8956		
	7/25/2008 1:00	60	207	100	9.58	9.58		0.0157	7.13E-05	10.6475	3.9233	14.5708		
	7/25/2008 2:00	61	207	200	9.5	9.5		0.0242	1.22E-04	18.2075	6.7089	24.9165		
	7/25/2008 3:00	62	207	300	9.42	9.42		0.0329	1.78E-04	26.5675	9.7894	36.3569		
	7/25/2008 4:00	63	207	400	9.32	9.32		0.0440	2.54E-04	37.9776	13.9936	51.9712		
	7/25/2008 5:00	64	207	500	9.19	9.19		0.0588	3.63E-04	54.2347	19.9839	74.2186		
	7/25/2008 6:00	65	207	600	8.99	8.99		0.0823	5.50E-04	82.1273	30.2615	112.3889		
	7/25/2008 7:00	66	207	700	8.87	8.87		0.0970	6.73E-04	100.4651	37.0184	137.4836		
	7/25/2008 8:00	67	207	800	8.77	8.77		0.1095	7.81E-04	116.6501	42.9821	159.6322		
	7/25/2008 9:00	68	207	900	8.64	8.64		0.1262	9.31E-04	138.9202	51.1880	190.1082		
	7/25/2008 10:00	69	207	1000	8.47	8.47		0.1488	1.14E-03	170.1662	62.7013	232.8675		
	7/25/2008 11:00	70	207	1100	7.277	7.277		0.3371	3.12E-03	465.7963	171.6322	637.4285		
	7/25/2008 12:00	71	207	1200	5.567	5.567		0.7478	8.32E-03	1242.1422	457.6928	1699.8350		
	7/25/2008 13:00	72	207	1300	5.019	5.019		0.9386	1.10E-02	1643.1764	605.4622	2248.6386		
	7/25/2008 14:00	73	207	1400	4.665	4.665		1.0857	1.32E-02	1965.7245	724.3116	2690.0362		
	7/25/2008 15:00	74	207	1500	4.646	4.646		1.0943	1.33E-02	1984.7520	731.3227	2716.0747		
	7/25/2008 16:00	75	207	1600	4.815	4.815		1.0208	1.22E-02	1821.9278	671.3268	2493.2545		
	7/25/2008 17:00	76	207	1700	4.578	4.578		1.1254	1.38E-02	2054.4336	756.9983	2811.4320		
	7/25/2008 18:00	77	207	1800	4.756	4.756		1.0458	1.26E-02	1877.1624	691.6791	2568.8414		
	7/25/2008 19:00	78	207	1900	4.723	4.723		1.0601	1.28E-02	1908.7957	703.3350	2612.1308		
	7/25/2008 20:00	79	207	2000	5.82	5.82		0.6718	7.29E-03	1088.6571	401.1381	1489.7953		
	7/25/2008 21:00	80	207	2100	7.533	7.533		0.2917	2.61E-03	389.7508	143.6117	533.3624		
	7/25/2008 22:00	81	207	2200	8.91	8.91		0.0920	6.31E-04	94.2209	34.7176	128.9385		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.24	9.24		0.0530	3.20E-04	47.8003	17.6130	65.4133		
	7/26/2008 0:00	83	208	0	9.31	9.31	9.31	0.0451	2.62E-04	39.1728	14.4340	53.6068		
	7/26/2008 1:00	84	208	100	9.26	9.26		0.0508	3.03E-04	45.2893	16.6878	61.9771		
	7/26/2008 2:00	85	208	200	9.19	9.19		0.0588	3.63E-04	54.2347	19.9839	74.2186		
	7/26/2008 3:00	86	208	300	9.1	9.1		0.0692	4.45E-04	66.3667	24.4542	90.8208		
	7/26/2008 4:00	87	208	400	9.01	9.01		0.0799	5.30E-04	79.1866	29.1779	108.3646		
	7/26/2008 5:00	88	208	500	8.92	8.92		0.0908	6.21E-04	92.6803	34.1500	126.8303		
	7/26/2008 6:00	89	208	600	8.81	8.81		0.1044	7.37E-04	110.0777	40.5604	150.6380		
	7/26/2008 7:00	90	208	700	8.67	8.67		0.1223	8.95E-04	133.6570	49.2487	182.9057		
	7/26/2008 8:00	91	208	800	8.51	8.51		0.1434	1.09E-03	162.5951	59.9115	222.5066		
	7/26/2008 9:00	92	208	900	6.949	6.949		0.4002	3.85E-03	575.3694	212.0067	787.3761		
	7/26/2008 10:00	93	208	1000	4.803	4.803		1.0258	1.23E-02	1833.0271	675.4165	2508.4436		
	7/26/2008 11:00	94	208	1100	4.875	4.875		0.9959	1.18E-02	1767.4369	651.2485	2418.6854		
	7/26/2008 12:00	95	208	1200	5.244	5.244		0.8555	9.82E-03	1465.8034	540.1054	2005.9088		
	7/26/2008 13:00	96	208	1300	4.597	4.597		1.1166	1.36E-02	2034.7106	749.7310	2784.4416		
	7/26/2008 14:00	97	208	1400	4.555	4.555		1.1361	1.39E-02	2078.5773	765.8946	2844.4719		
	7/26/2008 15:00	98	208	1500	4.483	4.483		1.1704	1.44E-02	2156.1111	794.4635	2950.5746		
	7/26/2008 16:00	99	208	1600	4.619	4.619		1.1065	1.35E-02	2012.1203	741.4071	2753.5273		
	7/26/2008 17:00	100	208	1700	4.32	4.32		1.2523	1.57E-02	2343.2956	863.4355	3206.7310		
	7/26/2008 18:00	101	208	1800	4.552	4.552		1.1375	1.39E-02	2081.7484	767.0630	2848.8114		
	7/26/2008 19:00	102	208	1900	4.636	4.636		1.0988	1.34E-02	1994.8430	735.0409	2729.8840		
	7/26/2008 20:00	103	208	2000	5.313	5.313		0.8314	9.48E-03	1415.1427	521.4384	1936.5812		
	7/26/2008 21:00	104	208	2100	7.19	7.19		0.3533	3.31E-03	493.4677	181.8283	675.2961		
	7/26/2008 22:00	105	208	2200	8.4	8.4		0.1583	1.23E-03	183.7449	67.7046	251.4495		
	7/26/2008 23:00	106	208	2300	8.67	8.67		0.1223	8.95E-04	133.6570	49.2487	182.9057		
	7/27/2008 0:00	107	209	0	8.71	8.71	8.71	0.1171	8.49E-04	126.7553	46.7056	173.4609		
	7/27/2008 1:00	108	209	100	8.68	8.68		0.1210	8.84E-04	131.9192	48.6083	180.5275		
	7/27/2008 2:00	109	209	200	8.64	8.64		0.1262	9.31E-04	138.9202	51.1880	190.1082		
	7/27/2008 3:00	110	209	300	8.58	8.58		0.1340	1.00E-03	149.6711	55.1494	204.8205		
	7/27/2008 4:00	111	209	400	8.55	8.55		0.1380	1.04E-03	155.1594	57.1717	212.3311		
	7/27/2008 5:00	112	209	500	8.55	8.55		0.1380	1.04E-03	155.1594	57.1717	212.3311		
	7/27/2008 6:00	113	209	600	8.53	8.53		0.1407	1.06E-03	158.8604	58.5354	217.3958		
	7/27/2008 7:00	114	209	700	8.48	8.48		0.1474	1.13E-03	168.2607	61.9991	230.2598		
	7/27/2008 8:00	115	209	800	8.26	8.26		0.1780	1.42E-03	212.1812	78.1825	290.3637		
	7/27/2008 9:00	116	209	900	5.667	5.667		0.7170	7.90E-03	1179.3817	434.5674	1613.9491		
	7/27/2008 10:00	117	209	1000	4.097	4.097		1.3749	1.76E-02	2628.7953	968.6337	3597.4290		
	7/27/2008 11:00	118	209	1100	3.934	3.934		1.4733	1.92E-02	2862.2771	1054.6649	3916.9419		
	7/27/2008 12:00	119	209	1200	3.913	3.913		1.4866	1.94E-02	2894.0542	1066.3738	3960.4280		
	7/27/2008 13:00	120	209	1300	4.018	4.018		1.4216	1.83E-02	2739.1245	1009.2868	3748.4113		
	7/27/2008 14:00	121	209	1400	3.891	3.891		1.5006	1.96E-02	2927.7839	1078.8022	4006.5861		
	7/27/2008 15:00	122	209	1500	3.853	3.853		1.5253	2.00E-02	2987.1278	1100.6687	4087.7965		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	3.958	3.958		1.4583	1.89E-02	2826.4528	1041.4647	3867.9175		
	7/27/2008 17:00	124	209	1700	3.937	3.937		1.4714	1.91E-02	2857.7705	1053.0043	3910.7748		
	7/27/2008 18:00	125	209	1800	4.043	4.043		1.4066	1.81E-02	2703.6513	996.2159	3699.8673		
	7/27/2008 19:00	126	209	1900	4.247	4.247		1.2910	1.63E-02	2432.7861	896.4101	3329.1962		
	7/27/2008 20:00	127	209	2000	4.856	4.856		1.0037	1.20E-02	1784.5132	657.5406	2442.0538		
	7/27/2008 21:00	128	209	2100	6.334	6.334		0.5362	5.52E-03	824.7024	303.8786	1128.5810		
	7/27/2008 22:00	129	209	2200	7.51	7.51		0.2956	2.65E-03	396.2684	146.0133	542.2817		
	7/27/2008 23:00	130	209	2300	7.806	7.806		0.2465	2.12E-03	316.8244	116.7405	433.5649		
	7/28/2008 0:00	131	210	0	7.981	7.981	8.43	0.2191	1.84E-03	274.1470	101.0151	375.1621		
	7/28/2008 1:00	132	210	100	8.12	8.12		0.1983	1.62E-03	242.3711	89.3066	331.6778		
	7/28/2008 2:00	133	210	200	8.19	8.19		0.1880	1.52E-03	227.0530	83.6624	310.7154		
	7/28/2008 3:00	134	210	300	8.32	8.32		0.1695	1.34E-03	199.7831	73.6142	273.3972		
	7/28/2008 4:00	135	210	400	8.39	8.39		0.1597	1.24E-03	185.7192	68.4321	254.1512		
	7/28/2008 5:00	136	210	500	8.43	8.43		0.1542	1.19E-03	177.8739	65.5413	243.4152		
	7/28/2008 6:00	137	210	600	8.37	8.37		0.1625	1.27E-03	189.6938	69.8966	259.5904		
	7/28/2008 7:00	138	210	700	8.18	8.18		0.1895	1.54E-03	229.2138	84.4585	313.6723		
	7/28/2008 8:00	139	210	800	6.573	6.573		0.4803	4.82E-03	720.2474	265.3900	985.6374		
	7/28/2008 9:00	140	210	900	4.545	4.545		1.1408	1.40E-02	2089.1674	769.7967	2858.9641		
	7/28/2008 10:00	141	210	1000	4.016	4.016		1.4228	1.84E-02	2741.9853	1010.3409	3752.3261		
	7/28/2008 11:00	142	210	1100	3.949	3.949		1.4639	1.90E-02	2839.8260	1046.3923	3886.2183		
	7/28/2008 12:00	143	210	1200	3.983	3.983		1.4429	1.87E-02	2789.6837	1027.9163	3817.6000		
	7/28/2008 13:00	144	210	1300	3.958	3.958		1.4583	1.89E-02	2826.4528	1041.4647	3867.9175		
	7/28/2008 14:00	145	210	1400	3.873	3.873		1.5123	1.98E-02	2955.7212	1089.0963	4044.8175		
	7/28/2008 15:00	146	210	1500	3.75	3.75		1.5947	2.11E-02	3155.2110	1162.6024	4317.8133		
	7/28/2008 16:00	147	210	1600	3.833	3.833		1.5385	2.02E-02	3018.9253	1112.3851	4131.3104		
	7/28/2008 17:00	148	210	1700	3.728	3.728		1.6100	2.14E-02	3192.5467	1176.3595	4368.9062		
	7/28/2008 18:00	149	210	1800	3.812	3.812		1.5525	2.05E-02	3052.7406	1124.8451	4177.5856		
	7/28/2008 19:00	150	210	1900	4.016	4.016		1.4228	1.84E-02	2741.9853	1010.3409	3752.3261		
	7/28/2008 20:00	151	210	2000	4.761	4.761		1.0437	1.25E-02	1872.4163	689.9303	2562.3466		
	7/28/2008 21:00	152	210	2100	6.776	6.776		0.4360	4.28E-03	639.2766	235.5546	874.8312		
	7/28/2008 22:00	153	210	2200	7.662	7.662		0.2699	2.37E-03	354.2903	130.5455	484.8358		
	7/28/2008 23:00	154	210	2300	7.911	7.911		0.2299	1.95E-03	290.8526	107.1706	398.0232		
	7/29/2008 0:00	155	211	0	8.11	8.11	8.50	0.1998	1.64E-03	244.5964	90.1266	334.7230		
	7/29/2008 1:00	156	211	100	8.28	8.28		0.1751	1.39E-03	208.0130	76.6467	284.6596		
	7/29/2008 2:00	157	211	200	8.4	8.4		0.1583	1.23E-03	183.7449	67.7046	251.4495		
	7/29/2008 3:00	158	211	300	8.45	8.45		0.1515	1.17E-03	174.0029	64.1150	238.1179		
	7/29/2008 4:00	159	211	400	8.5	8.5		0.1447	1.10E-03	164.4751	60.6042	225.0794		
	7/29/2008 5:00	160	211	500	8.48	8.48		0.1474	1.13E-03	168.2607	61.9991	230.2598		
	7/29/2008 6:00	161	211	600	8.43	8.43		0.1542	1.19E-03	177.8739	65.5413	243.4152		
	7/29/2008 7:00	162	211	700	8.33	8.33		0.1681	1.32E-03	197.7477	72.8642	270.6118		
	7/29/2008 8:00	163	211	800	7.649	7.649		0.2721	2.40E-03	357.7810	131.8318	489.6128		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.261	5.261		0.8495	9.73E-03	1453.1672	535.4494	1988.6166		
	7/29/2008 10:00	165	211	1000	4.217	4.217		1.3073	1.66E-02	2470.6483	910.3612	3381.0094		
	7/29/2008 11:00	166	211	1100	4.576	4.576		1.1263	1.38E-02	2056.5213	757.7676	2814.2889		
	7/29/2008 12:00	167	211	1200	3.867	3.867		1.5162	1.99E-02	2965.1025	1092.5530	4057.6556		
	7/29/2008 13:00	168	211	1300	3.922	3.922		1.4809	1.93E-02	2880.3857	1061.3373	3941.7230		
	7/29/2008 14:00	169	211	1400	3.716	3.716		1.6184	2.15E-02	3213.1331	1183.9450	4397.0781		
	7/29/2008 15:00	170	211	1500	3.99	3.99		1.4386	1.86E-02	2779.4869	1024.1591	3803.6461		
	7/29/2008 16:00	171	211	1600	4.103	4.103		1.3714	1.76E-02	2620.6236	965.6227	3586.2463		
	7/29/2008 17:00	172	211	1700	4.298	4.298		1.2638	1.59E-02	2369.8794	873.2308	3243.1102		
	7/29/2008 18:00	173	211	1800	4.178	4.178		1.3289	1.69E-02	2520.8492	928.8587	3449.7080		
	7/29/2008 19:00	174	211	1900	4.202	4.202		1.3156	1.67E-02	2489.8237	917.4267	3407.2504		
	7/29/2008 20:00	175	211	2000	5.434	5.434		0.7906	8.91E-03	1330.1836	490.1335	1820.3171		
	7/29/2008 21:00	176	211	2100	7.413	7.413		0.3126	2.84E-03	424.4271	156.3889	580.8159		
	7/29/2008 22:00	177	211	2200	8.22	8.22		0.1837	1.48E-03	220.6252	81.2939	301.9191		
	7/29/2008 23:00	178	211	2300	8.47	8.47		0.1488	1.14E-03	170.1662	62.7013	232.8675		
	7/30/2008 0:00	179	212	0	8.56	8.56	8.58	0.1367	1.03E-03	153.3216	56.4945	209.8161		
	7/30/2008 1:00	180	212	100	8.58	8.58		0.1340	1.00E-03	149.6711	55.1494	204.8205		
	7/30/2008 2:00	181	212	200	8.58	8.58		0.1340	1.00E-03	149.6711	55.1494	204.8205		
	7/30/2008 3:00	182	212	300	8.52	8.52		0.1420	1.08E-03	160.7235	59.2219	219.9454		
	7/30/2008 4:00	183	212	400	8.46	8.46		0.1501	1.15E-03	172.0803	63.4065	235.4868		
	7/30/2008 5:00	184	212	500	8.4	8.4		0.1583	1.23E-03	183.7449	67.7046	251.4495		
	7/30/2008 6:00	185	212	600	8.35	8.35		0.1653	1.30E-03	193.7032	71.3739	265.0772		
	7/30/2008 7:00	186	212	700	8.32	8.32		0.1695	1.34E-03	199.7831	73.6142	273.3972		
	7/30/2008 8:00	187	212	800	8.24	8.24		0.1808	1.45E-03	216.3852	79.7316	296.1168		
	7/30/2008 9:00	188	212	900	6.678	6.678		0.4570	4.54E-03	677.5254	249.6482	927.1735		
	7/30/2008 10:00	189	212	1000	4.053	4.053		1.4007	1.80E-02	2689.6087	991.0416	3680.6503		
	7/30/2008 11:00	190	212	1100	3.727	3.727		1.6107	2.14E-02	3194.2562	1176.9894	4371.2457		
	7/30/2008 12:00	191	212	1200	3.774	3.774		1.5782	2.09E-02	3115.0701	1147.8116	4262.8817		
	7/30/2008 13:00	192	212	1300	3.792	3.792		1.5659	2.07E-02	3085.3604	1136.8645	4222.2249		
	7/30/2008 14:00	193	212	1400	3.715	3.715		1.6191	2.15E-02	3214.8558	1184.5797	4399.4355		
	7/30/2008 15:00	194	212	1500	3.768	3.768		1.5823	2.09E-02	3125.0483	1151.4883	4276.5367		
	7/30/2008 16:00	195	212	1600	3.65	3.65		1.6658	2.23E-02	3329.2356	1226.7253	4555.9609		
	7/30/2008 17:00	196	212	1700	3.596	3.596		1.7058	2.30E-02	3427.9958	1263.1156	4691.1114		
	7/30/2008 18:00	197	212	1800	3.776	3.776		1.5768	2.08E-02	3111.7524	1146.5892	4258.3415		
	7/30/2008 19:00	198	212	1900	3.963	3.963		1.4552	1.89E-02	2819.0546	1038.7387	3857.7933		
	7/30/2008 20:00	199	212	2000	4.788	4.788		1.0322	1.24E-02	1846.9973	680.5641	2527.5614		
	7/30/2008 21:00	200	212	2100	6.706	6.706		0.4509	4.46E-03	666.4404	245.5637	912.0040		
	7/30/2008 22:00	201	212	2200	7.923	7.923		0.2281	1.93E-03	287.9546	106.1028	394.0574		
	7/30/2008 23:00	202	212	2300	8.33	8.33		0.1681	1.32E-03	197.7477	72.8642	270.6118		
	7/31/2008 0:00	203	213	0	8.5	8.5	8.57	0.1447	1.10E-03	164.4751	60.6042	225.0794		
	7/31/2008 1:00	204	213	100	8.57	8.57		0.1354	1.01E-03	151.4921	55.8204	207.3125		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	8.57	8.57		0.1354	1.01E-03	151.4921	55.8204	207.3125		
	7/31/2008 3:00	206	213	300	8.54	8.54		0.1393	1.05E-03	157.0057	57.8520	214.8577		
	7/31/2008 4:00	207	213	400	8.51	8.51		0.1434	1.09E-03	162.5951	59.9115	222.5066		
	7/31/2008 5:00	208	213	500	8.48	8.48		0.1474	1.13E-03	168.2607	61.9991	230.2598		
	7/31/2008 6:00	209	213	600	8.43	8.43		0.1542	1.19E-03	177.8739	65.5413	243.4152		
	7/31/2008 7:00	210	213	700	8.37	8.37		0.1625	1.27E-03	189.6938	69.8966	259.5904		
	7/31/2008 8:00	211	213	800	8.26	8.26		0.1780	1.42E-03	212.1812	78.1825	290.3637		
	7/31/2008 9:00	212	213	900	6.334	6.334		0.5362	5.52E-03	824.7024	303.8786	1128.5810		
	7/31/2008 10:00	213	213	1000	4.127	4.127		1.3576	1.73E-02	2588.2218	953.6835	3541.9053		
	7/31/2008 11:00	214	213	1100	4.031	4.031		1.4138	1.82E-02	2720.6127	1002.4657	3723.0784		
	7/31/2008 12:00	215	213	1200	3.758	3.758		1.5891	2.10E-02	3141.7630	1157.6472	4299.4101		
	7/31/2008 13:00	216	213	1300	4.012	4.012		1.4252	1.84E-02	2747.7169	1012.4528	3760.1697		
	7/31/2008 14:00	217	213	1400	3.672	3.672		1.6498	2.20E-02	3289.9847	1212.2625	4502.2472		
	7/31/2008 15:00	218	213	1500	3.65	3.65		1.6658	2.23E-02	3329.2356	1226.7253	4555.9609		
	7/31/2008 16:00	219	213	1600	3.782	3.782		1.5727	2.08E-02	3101.8243	1142.9309	4244.7552		
	7/31/2008 17:00	220	213	1700	3.698	3.698		1.6312	2.17E-02	3244.3102	1195.4328	4439.7430		
	7/31/2008 18:00	221	213	1800	3.81	3.81		1.5538	2.05E-02	3055.9842	1126.0402	4182.0245		
	7/31/2008 19:00	222	213	1900	4.147	4.147		1.3463	1.72E-02	2561.5639	943.8609	3505.4247		
	7/31/2008 20:00	223	213	2000	5.461	5.461		0.7817	8.79E-03	1311.8711	483.3859	1795.2571		
	7/31/2008 21:00	224	213	2100	6.684	6.684		0.4557	4.52E-03	675.1393	248.7690	923.9082		
	7/31/2008 22:00	225	213	2200	7.562	7.562		0.2867	2.56E-03	381.6181	140.6150	522.2331		
	7/31/2008 23:00	226	213	2300	7.474	7.474		0.3018	2.72E-03	406.5915	149.8170	556.4085		
	8/1/2008 0:00	227	214	0	7.735	7.735	8.83	0.2579	2.24E-03	335.0247	123.4467	458.4714		
	8/1/2008 1:00	228	214	100	8.22	8.22		0.1837	1.48E-03	220.6252	81.2939	301.9191		
	8/1/2008 2:00	229	214	200	8.46	8.46		0.1501	1.15E-03	172.0803	63.4065	235.4868		
	8/1/2008 3:00	230	214	300	8.5	8.5		0.1447	1.10E-03	164.4751	60.6042	225.0794		
	8/1/2008 4:00	231	214	400	8.55	8.55		0.1380	1.04E-03	155.1594	57.1717	212.3311		
	8/1/2008 5:00	232	214	500	8.58	8.58		0.1340	1.00E-03	149.6711	55.1494	204.8205		
	8/1/2008 6:00	233	214	600	8.57	8.57		0.1354	1.01E-03	151.4921	55.8204	207.3125		
	8/1/2008 7:00	234	214	700	8.53	8.53		0.1407	1.06E-03	158.8604	58.5354	217.3958		
	8/1/2008 8:00	235	214	800	8.41	8.41		0.1570	1.22E-03	181.7793	66.9803	248.7596		
	8/1/2008 9:00	236	214	900	6.494	6.494		0.4983	5.05E-03	753.6325	277.6914	1031.3238		
	8/1/2008 10:00	237	214	1000	4.223	4.223		1.3040	1.65E-02	2463.0240	907.5518	3370.5758		
	8/1/2008 11:00	238	214	1100	4.139	4.139		1.3508	1.72E-02	2572.1899	947.7763	3519.9662		
	8/1/2008 12:00	239	214	1200	4.054	4.054		1.4001	1.80E-02	2688.2090	990.5259	3678.7348		
	8/1/2008 13:00	240	214	1300	3.96	3.96		1.4571	1.89E-02	2823.4909	1040.3733	3863.8641		
	8/1/2008 14:00	241	214	1400	3.89	3.89		1.5013	1.96E-02	2929.3279	1079.3711	4008.6990		
	8/1/2008 15:00	242	214	1500	3.807	3.807		1.5558	2.05E-02	3060.8573	1127.8358	4188.6931		
	8/1/2008 16:00	243	214	1600	3.912	3.912		1.4872	1.94E-02	2895.5775	1066.9351	3962.5126		
	8/1/2008 17:00	244	214	1700	3.953	3.953		1.4614	1.90E-02	2833.8734	1044.1989	3878.0723		
	8/1/2008 18:00	245	214	1800	4.025	4.025		1.4174	1.83E-02	2729.1389	1005.6073	3734.7462		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	4.231	4.231		1.2997	1.64E-02	2452.8988	903.8210	3356.7198		
	8/1/2008 20:00	247	214	2000	5.169	5.169		0.8824	1.02E-02	1522.7943	561.1049	2083.8992		
	8/1/2008 21:00	248	214	2100	7.352	7.352		0.3234	2.97E-03	442.7039	163.1234	605.8273		
	8/1/2008 22:00	249	214	2200	8.48	8.48		0.1474	1.13E-03	168.2607	61.9991	230.2598		
	8/1/2008 23:00	250	214	2300	8.83	8.83		0.1019	7.16E-04	106.8407	39.3676	146.2083		
	8/2/2008 0:00	251	215	0	8.93	8.93	8.94	0.0896	6.11E-04	91.1480	33.5854	124.7334		
	8/2/2008 1:00	252	215	100	8.94	8.94		0.0884	6.00E-04	89.6240	33.0238	122.6478		
	8/2/2008 2:00	253	215	200	8.94	8.94		0.0884	6.00E-04	89.6240	33.0238	122.6478		
	8/2/2008 3:00	254	215	300	8.91	8.91		0.0920	6.31E-04	94.2209	34.7176	128.9385		
	8/2/2008 4:00	255	215	400	8.77	8.77		0.1095	7.81E-04	116.6501	42.9821	159.6322		
	8/2/2008 5:00	256	215	500	8.65	8.65		0.1249	9.19E-04	137.1575	50.5385	187.6960		
	8/2/2008 6:00	257	215	600	8.57	8.57		0.1354	1.01E-03	151.4921	55.8204	207.3125		
	8/2/2008 7:00	258	215	700	8.42	8.42		0.1556	1.20E-03	179.8223	66.2592	246.0815		
	8/2/2008 8:00	259	215	800	6.936	6.936		0.4028	3.89E-03	580.0176	213.7194	793.7370		
	8/2/2008 9:00	260	215	900	4.704	4.704		1.0685	1.29E-02	1927.2557	710.1370	2637.3928		
	8/2/2008 10:00	261	215	1000	4.501	4.501		1.1617	1.43E-02	2136.4449	787.2170	2923.6619		
	8/2/2008 11:00	262	215	1100	4.381	4.381		1.2210	1.52E-02	2271.2693	836.8959	3108.1652		
	8/2/2008 12:00	263	215	1200	4.209	4.209		1.3117	1.66E-02	2480.8547	914.1219	3394.9766		
	8/2/2008 13:00	264	215	1300	4.178	4.178		1.3289	1.69E-02	2520.8492	928.8587	3449.7080		
	8/2/2008 14:00	265	215	1400	4.158	4.158		1.3401	1.71E-02	2547.0332	938.5068	3485.5400		
	8/2/2008 15:00	266	215	1500	4.077	4.077		1.3866	1.78E-02	2656.2427	978.7472	3634.9899		
	8/2/2008 16:00	267	215	1600	4.157	4.157		1.3406	1.71E-02	2548.3504	938.9921	3487.3425		
	8/2/2008 17:00	268	215	1700	4.112	4.112		1.3662	1.75E-02	2608.4197	961.1259	3569.5456		
	8/2/2008 18:00	269	215	1800	4.209	4.209		1.3117	1.66E-02	2480.8547	914.1219	3394.9766		
	8/2/2008 19:00	270	215	1900	4.526	4.526		1.1498	1.41E-02	2109.4456	777.2686	2886.7142		
	8/2/2008 20:00	271	215	2000	5.331	5.331		0.8252	9.39E-03	1402.1968	516.6683	1918.8651		
	8/2/2008 21:00	272	215	2100	6.985	6.985		0.3930	3.77E-03	562.6243	207.3105	769.9348		
	8/2/2008 22:00	273	215	2200	8.13	8.13		0.1968	1.61E-03	240.1552	88.4901	328.6453		
	8/2/2008 23:00	274	215	2300	8.54	8.54		0.1393	1.05E-03	157.0057	57.8520	214.8577		
	8/3/2008 0:00	275	216	0	8.61	8.61	9.03	0.1301	9.66E-04	144.2581	53.1549	197.4130		
	8/3/2008 1:00	276	216	100	8.59	8.59		0.1327	9.90E-04	147.8584	54.4815	202.3399		
	8/3/2008 2:00	277	216	200	8.68	8.68		0.1210	8.84E-04	131.9192	48.6083	180.5275		
	8/3/2008 3:00	278	216	300	8.84	8.84		0.1007	7.05E-04	105.2345	38.7758	144.0103		
	8/3/2008 4:00	279	216	400	8.97	8.97		0.0847	5.70E-04	85.1012	31.3573	116.4585		
	8/3/2008 5:00	280	216	500	9.03	9.03		0.0775	5.11E-04	76.2791	28.1066	104.3858		
	8/3/2008 6:00	281	216	600	9.03	9.03		0.0775	5.11E-04	76.2791	28.1066	104.3858		
	8/3/2008 7:00	282	216	700	8.92	8.92		0.0908	6.21E-04	92.6803	34.1500	126.8303		
	8/3/2008 8:00	283	216	800	7.397	7.397		0.3154	2.88E-03	429.1779	158.1394	587.3173		
	8/3/2008 9:00	284	216	900	4.77	4.77		1.0398	1.25E-02	1863.9041	686.7938	2550.6978		
	8/3/2008 10:00	285	216	1000	4.376	4.376		1.2235	1.53E-02	2277.0818	839.0376	3116.1194		
	8/3/2008 11:00	286	216	1100	4.177	4.177		1.3294	1.69E-02	2522.1513	929.3385	3451.4898		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	4.107	4.107		1.3691	1.75E-02	2615.1917	963.6212	3578.8129		
	8/3/2008 13:00	288	216	1300	4.082	4.082		1.3836	1.77E-02	2649.3506	976.2077	3625.5583		
	8/3/2008 14:00	289	216	1400	4.075	4.075		1.3877	1.78E-02	2659.0052	979.7651	3638.7703		
	8/3/2008 15:00	290	216	1500	4.112	4.112		1.3662	1.75E-02	2608.4197	961.1259	3569.5456		
	8/3/2008 16:00	291	216	1600	4.278	4.278		1.2744	1.60E-02	2394.3332	882.2413	3276.5745		
	8/3/2008 17:00	292	216	1700	4.202	4.202		1.3156	1.67E-02	2489.8237	917.4267	3407.2504		
	8/3/2008 18:00	293	216	1800	4.223	4.223		1.3040	1.65E-02	2463.0240	907.5518	3370.5758		
	8/3/2008 19:00	294	216	1900	4.444	4.444		1.1895	1.47E-02	2199.3858	810.4089	3009.7947		
	8/3/2008 20:00	295	216	2000	5.048	5.048		0.9275	1.08E-02	1619.2089	596.6308	2215.8397		
	8/3/2008 21:00	296	216	2100	6.332	6.332		0.5366	5.53E-03	825.6212	304.2171	1129.8384		
	8/3/2008 22:00	297	216	2200	7.277	7.277		0.3371	3.12E-03	465.7963	171.6322	637.4285		
	8/3/2008 23:00	298	216	2300	7.407	7.407		0.3136	2.86E-03	426.2050	157.0440	583.2491		
	8/4/2008 0:00	299	217	0	7.385	7.385	8.60	0.3175	2.90E-03	432.7610	159.4597	592.2207		
	8/4/2008 1:00	300	217	100	7.4	7.4		0.3149	2.87E-03	428.2848	157.8103	586.0951		
	8/4/2008 2:00	301	217	200	7.028	7.028		0.3845	3.67E-03	547.6417	201.7898	749.4315		
	8/4/2008 3:00	302	217	300	6.705	6.705		0.4512	4.47E-03	666.8341	245.7087	912.5428		
	8/4/2008 4:00	303	217	400	6.436	6.436		0.5118	5.22E-03	778.8488	286.9828	1065.8316		
	8/4/2008 5:00	304	217	500	6.634	6.634		0.4667	4.66E-03	695.2037	256.1621	951.3659		
	8/4/2008 6:00	305	217	600	7.295	7.295		0.3338	3.08E-03	460.1907	169.5667	629.7574		
	8/4/2008 7:00	306	217	700	7.436	7.436		0.3085	2.80E-03	417.6509	153.8921	571.5430		
	8/4/2008 8:00	307	217	800	7.027	7.027		0.3847	3.67E-03	547.9872	201.9171	749.9043		
	8/4/2008 9:00	308	217	900	6.22	6.22		0.5643	5.88E-03	878.3323	323.6396	1201.9718		
	8/4/2008 10:00	309	217	1000	5.188	5.188		0.8755	1.01E-02	1508.1620	555.7133	2063.8753		
	8/4/2008 11:00	310	217	1100	4.686	4.686		1.0764	1.30E-02	1944.9133	716.6433	2661.5566		
	8/4/2008 12:00	311	217	1200	4.376	4.376		1.2235	1.53E-02	2277.0818	839.0376	3116.1194		
	8/4/2008 13:00	312	217	1300	4.311	4.311		1.2570	1.58E-02	2354.1312	867.4281	3221.5593		
	8/4/2008 14:00	313	217	1400	4.746	4.746		1.0501	1.26E-02	1886.6913	695.1902	2581.8815		
	8/4/2008 15:00	314	217	1500	5.207	5.207		0.8686	1.00E-02	1493.6628	550.3708	2044.0335		
	8/4/2008 16:00	315	217	1600	4.48	4.48		1.1719	1.45E-02	2159.4075	795.6781	2955.0856		
	8/4/2008 17:00	316	217	1700	4.294	4.294		1.2660	1.59E-02	2374.7482	875.0248	3249.7730		
	8/4/2008 18:00	317	217	1800	4.449	4.449		1.1870	1.47E-02	2193.7863	808.3457	3002.1319		
	8/4/2008 19:00	318	217	1900	4.783	4.783		1.0343	1.24E-02	1851.6780	682.2888	2533.9668		
	8/4/2008 20:00	319	217	2000	5.625	5.625		0.7298	8.07E-03	1205.3951	444.1526	1649.5477		
	8/4/2008 21:00	320	217	2100	7.515	7.515		0.2947	2.65E-03	394.8464	145.4893	540.3357		
	8/4/2008 22:00	321	217	2200	8.33	8.33		0.1681	1.32E-03	197.7477	72.8642	270.6118		
	8/4/2008 23:00	322	217	2300	8.6	8.6		0.1314	9.78E-04	146.0541	53.8166	199.8707		
	8/5/2008 0:00	323	218	0	8.85	8.85	9.28	0.0994	6.94E-04	103.6365	38.1870	141.8235		
	8/5/2008 1:00	324	218	100	8.98	8.98		0.0835	5.60E-04	83.6101	30.8079	114.4180		
	8/5/2008 2:00	325	218	200	9.05	9.05		0.0751	4.92E-04	73.4050	27.0476	100.4526		
	8/5/2008 3:00	326	218	300	9.01	9.01		0.0799	5.30E-04	79.1866	29.1779	108.3646		
	8/5/2008 4:00	327	218	400	8.82	8.82		0.1032	7.27E-04	108.4551	39.9625	148.4176		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.72	8.72		0.1158	8.38E-04	125.0505	46.0774	171.1280		
	8/5/2008 6:00	329	218	600	8.77	8.77		0.1095	7.81E-04	116.6501	42.9821	159.6322		
	8/5/2008 7:00	330	218	700	8.81	8.81		0.1044	7.37E-04	110.0777	40.5604	150.6380		
	8/5/2008 8:00	331	218	800	8.65	8.65		0.1249	9.19E-04	137.1575	50.5385	187.6960		
	8/5/2008 9:00	332	218	900	6.819	6.819		0.4269	4.17E-03	622.9706	229.5463	852.5169		
	8/5/2008 10:00	333	218	1000	5.141	5.141		0.8926	1.03E-02	1544.6037	569.1410	2113.7447		
	8/5/2008 11:00	334	218	1100	5.426	5.426		0.7932	8.95E-03	1335.6537	492.1491	1827.8028		
	8/5/2008 12:00	335	218	1200	5.11	5.11		0.9041	1.05E-02	1569.0973	578.1662	2147.2635		
	8/5/2008 13:00	336	218	1300	4.629	4.629		1.1020	1.34E-02	2001.9384	737.6554	2739.5938		
	8/5/2008 14:00	337	218	1400	5.242	5.242		0.8562	9.83E-03	1467.2968	540.6557	2007.9524		
	8/5/2008 15:00	338	218	1500	5.706	5.706		0.7052	7.74E-03	1155.6632	425.8279	1581.4911		
	8/5/2008 16:00	339	218	1600	5.435	5.435		0.7902	8.91E-03	1329.5012	489.8821	1819.3833		
	8/5/2008 17:00	340	218	1700	4.984	4.984		0.9522	1.12E-02	1672.5635	616.2904	2288.8539		
	8/5/2008 18:00	341	218	1800	4.702	4.702		1.0693	1.29E-02	1929.2095	710.8569	2640.0665		
	8/5/2008 19:00	342	218	1900	4.761	4.761		1.0437	1.25E-02	1872.4163	689.9303	2562.3466		
	8/5/2008 20:00	343	218	2000	5.766	5.766		0.6875	7.50E-03	1119.9731	412.6771	1532.6502		
	8/5/2008 21:00	344	218	2100	7.981	7.981		0.2191	1.84E-03	274.1470	101.0151	375.1621		
	8/5/2008 22:00	345	218	2200	8.94	8.94		0.0884	6.00E-04	89.6240	33.0238	122.6478		
	8/5/2008 23:00	346	218	2300	9.28	9.28		0.0485	2.87E-04	42.8149	15.7760	58.5909		
	8/6/2008 0:00	347	219	0	9.41	9.41	9.41	0.0340	1.85E-04	27.6626	10.1928	37.8554		
	8/6/2008 1:00	348	219	100	9.41	9.41		0.0340	1.85E-04	27.6626	10.1928	37.8554		
	8/6/2008 2:00	349	219	200	9.4	9.4		0.0351	1.93E-04	28.7682	10.6002	39.3684		
	8/6/2008 3:00	350	219	300	9.35	9.35		0.0406	2.31E-04	34.4498	12.6937	47.1435		
	8/6/2008 4:00	351	219	400	9.29	9.29		0.0474	2.79E-04	41.5915	15.3252	56.9168		
	8/6/2008 5:00	352	219	500	9.2	9.2		0.0576	3.55E-04	52.9301	19.5032	72.4333		
	8/6/2008 6:00	353	219	600	9.09	9.09		0.0704	4.54E-04	67.7575	24.9666	92.7241		
	8/6/2008 7:00	354	219	700	8.99	8.99		0.0823	5.50E-04	82.1273	30.2615	112.3889		
	8/6/2008 8:00	355	219	800	8.83	8.83		0.1019	7.16E-04	106.8407	39.3676	146.2083		
	8/6/2008 9:00	356	219	900	8.36	8.36		0.1639	1.28E-03	191.6941	70.6336	262.3278		
	8/6/2008 10:00	357	219	1000	5.259	5.259		0.8502	9.74E-03	1454.6486	535.9952	1990.6437		
	8/6/2008 11:00	358	219	1100	4.35	4.35		1.2368	1.55E-02	2307.5676	850.2708	3157.8384		
	8/6/2008 12:00	359	219	1200	5.076	5.076		0.9169	1.07E-02	1596.3896	588.2226	2184.6122		
	8/6/2008 13:00	360	219	1300	5.632	5.632		0.7276	8.05E-03	1201.0251	442.5424	1643.5675		
	8/6/2008 14:00	361	219	1400	4.987	4.987		0.9511	1.12E-02	1670.0246	615.3549	2285.3795		
	8/6/2008 15:00	362	219	1500	4.546	4.546		1.1403	1.40E-02	2088.1059	769.4055	2857.5114		
	8/6/2008 16:00	363	219	1600	4.659	4.659		1.0884	1.32E-02	1971.7127	726.5181	2698.2308		
	8/6/2008 17:00	364	219	1700	4.486	4.486		1.1690	1.44E-02	2152.8201	793.2508	2946.0709		
	8/6/2008 18:00	365	219	1800	5.124	5.124		0.8989	1.04E-02	1557.9900	574.0735	2132.0635		
	8/6/2008 19:00	366	219	1900	5.065	5.065		0.9210	1.08E-02	1605.3170	591.5121	2196.8291		
	8/6/2008 20:00	367	219	2000	5.507	5.507		0.7668	8.58E-03	1281.1938	472.0822	1753.2760		
	8/6/2008 21:00	368	219	2100	7.479	7.479		0.3010	2.71E-03	405.1488	149.2854	554.4342		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.79	8.79		0.1069	7.59E-04	113.3475	41.7652	155.1127		
	8/6/2008 23:00	370	219	2300	9.15	9.15		0.0634	3.99E-04	59.5405	21.9389	81.4794		
	8/7/2008 0:00	371	220	0	9.31	9.31	9.33	0.0451	2.62E-04	39.1728	14.4340	53.6068		
	8/7/2008 1:00	372	220	100	9.33	9.33		0.0429	2.46E-04	36.7920	13.5568	50.3488		
	8/7/2008 2:00	373	220	200	9.29	9.29		0.0474	2.79E-04	41.5915	15.3252	56.9168		
	8/7/2008 3:00	374	220	300	9.23	9.23		0.0542	3.29E-04	49.0694	18.0806	67.1500		
	8/7/2008 4:00	375	220	400	9.13	9.13		0.0657	4.17E-04	62.2453	22.9356	85.1808		
	8/7/2008 5:00	376	220	500	9.04	9.04		0.0763	5.01E-04	74.8379	27.5756	102.4135		
	8/7/2008 6:00	377	220	600	8.96	8.96		0.0859	5.80E-04	86.6006	31.9098	118.5103		
	8/7/2008 7:00	378	220	700	8.87	8.87		0.0970	6.73E-04	100.4651	37.0184	137.4836		
	8/7/2008 8:00	379	220	800	8.69	8.69		0.1197	8.72E-04	130.1896	47.9711	178.1607		
	8/7/2008 9:00	380	220	900	7.437	7.437		0.3083	2.80E-03	417.3577	153.7840	571.1418		
	8/7/2008 10:00	381	220	1000	4.575	4.575		1.1268	1.38E-02	2057.5660	758.1525	2815.7186		
	8/7/2008 11:00	382	220	1100	4.248	4.248		1.2905	1.63E-02	2431.5351	895.9491	3327.4843		
	8/7/2008 12:00	383	220	1200	4.224	4.224		1.3035	1.65E-02	2461.7558	907.0846	3368.8404		
	8/7/2008 13:00	384	220	1300	4.232	4.232		1.2991	1.64E-02	2451.6364	903.3558	3354.9922		
	8/7/2008 14:00	385	220	1400	4.213	4.213		1.3095	1.66E-02	2475.7456	912.2394	3387.9850		
	8/7/2008 15:00	386	220	1500	4.276	4.276		1.2755	1.61E-02	2396.7937	883.1479	3279.9417		
	8/7/2008 16:00	387	220	1600	4.316	4.316		1.2544	1.57E-02	2348.1047	865.2075	3213.3121		
	8/7/2008 17:00	388	220	1700	4.159	4.159		1.3395	1.71E-02	2545.7168	938.0217	3483.7385		
	8/7/2008 18:00	389	220	1800	4.289	4.289		1.2686	1.59E-02	2380.8496	877.2730	3258.1225		
	8/7/2008 19:00	390	220	1900	4.599	4.599		1.1157	1.36E-02	2032.6460	748.9702	2781.6163		
	8/7/2008 20:00	391	220	2000	5.36	5.36		0.8153	9.26E-03	1381.5688	509.0675	1890.6363		
	8/7/2008 21:00	392	220	2100	7.279	7.279		0.3367	3.12E-03	465.1715	171.4020	636.5735		
	8/7/2008 22:00	393	220	2200	8.42	8.42		0.1556	1.20E-03	179.8223	66.2592	246.0815		
	8/7/2008 23:00	394	220	2300	8.92	8.92		0.0908	6.21E-04	92.6803	34.1500	126.8303		
	8/8/2008 0:00	395	221	0	9.16	9.16	9.27	0.0622	3.90E-04	58.2010	21.4454	79.6463		
	8/8/2008 1:00	396	221	100	9.19	9.19		0.0588	3.63E-04	54.2347	19.9839	74.2186		
	8/8/2008 2:00	397	221	200	9.27	9.27		0.0496	2.95E-04	44.0475	16.2302	60.2777		
	8/8/2008 3:00	398	221	300	9.23	9.23		0.0542	3.29E-04	49.0694	18.0806	67.1500		
	8/8/2008 4:00	399	221	400	9.18	9.18		0.0599	3.72E-04	55.5481	20.4678	76.0159		
	8/8/2008 5:00	400	221	500	9.14	9.14		0.0646	4.08E-04	60.8886	22.4356	83.3242		
	8/8/2008 6:00	401	221	600	9.01	9.01		0.0799	5.30E-04	79.1866	29.1779	108.3646		
	8/8/2008 7:00	402	221	700	8.94	8.94		0.0884	6.00E-04	89.6240	33.0238	122.6478		
	8/8/2008 8:00	403	221	800	8.71	8.71		0.1171	8.49E-04	126.7553	46.7056	173.4609		
	8/8/2008 9:00	404	221	900	6.061	6.061		0.6053	6.41E-03	957.6084	352.8505	1310.4589		
	8/8/2008 10:00	405	221	1000	4.58	4.58		1.1245	1.37E-02	2052.3481	756.2299	2808.5780		
	8/8/2008 11:00	406	221	1100	4.538	4.538		1.1441	1.40E-02	2096.6143	772.5407	2869.1549		
	8/8/2008 12:00	407	221	1200	4.317	4.317		1.2539	1.57E-02	2346.9014	864.7641	3211.6655		
	8/8/2008 13:00	408	221	1300	4.26	4.26		1.2840	1.62E-02	2416.5785	890.4381	3307.0166		
	8/8/2008 14:00	409	221	1400	4.186	4.186		1.3244	1.68E-02	2510.4598	925.0306	3435.4904		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	4.16	4.16		1.3389	1.70E-02	2544.4012	937.5369	3481.9381		
	8/8/2008 16:00	411	221	1600	4.167	4.167		1.3350	1.70E-02	2535.2130	934.1514	3469.3644		
	8/8/2008 17:00	412	221	1700	4.192	4.192		1.3211	1.68E-02	2502.6991	922.1709	3424.8700		
	8/8/2008 18:00	413	221	1800	4.578	4.578		1.1254	1.38E-02	2054.4336	756.9983	2811.4320		
	8/8/2008 19:00	414	221	1900	4.551	4.551		1.1380	1.40E-02	2082.8066	767.4529	2850.2595		
	8/8/2008 20:00	415	221	2000	5.486	5.486		0.7736	8.68E-03	1295.1180	477.2128	1772.3308		
	8/8/2008 21:00	416	221	2100	7.236	7.236		0.3447	3.21E-03	478.7167	176.3930	655.1097		
	8/8/2008 22:00	417	221	2200	8.13	8.13		0.1968	1.61E-03	240.1552	88.4901	328.6453		
	8/8/2008 23:00	418	221	2300	8.39	8.39		0.1597	1.24E-03	185.7192	68.4321	254.1512		
	8/9/2008 0:00	419	222	0	8.5	8.5	9.24	0.1447	1.10E-03	164.4751	60.6042	225.0794		
	8/9/2008 1:00	420	222	100	8.46	8.46		0.1501	1.15E-03	172.0803	63.4065	235.4868		
	8/9/2008 2:00	421	222	200	8.46	8.46		0.1501	1.15E-03	172.0803	63.4065	235.4868		
	8/9/2008 3:00	422	222	300	8.43	8.43		0.1542	1.19E-03	177.8739	65.5413	243.4152		
	8/9/2008 4:00	423	222	400	8.3	8.3		0.1723	1.37E-03	203.8803	75.1239	279.0042		
	8/9/2008 5:00	424	222	500	8.15	8.15		0.1939	1.58E-03	235.7510	86.8673	322.6183		
	8/9/2008 6:00	425	222	600	8.13	8.13		0.1968	1.61E-03	240.1552	88.4901	328.6453		
	8/9/2008 7:00	426	222	700	7.823	7.823		0.2438	2.09E-03	312.5438	115.1632	427.7070		
	8/9/2008 8:00	427	222	800	7.02	7.02		0.3860	3.69E-03	550.4095	202.8097	753.2192		
	8/9/2008 9:00	428	222	900	7.502	7.502		0.2970	2.67E-03	398.5496	146.8538	545.4034		
	8/9/2008 10:00	429	222	1000	7.256	7.256		0.3410	3.16E-03	472.3875	174.0609	646.4484		
	8/9/2008 11:00	430	222	1100	6.302	6.302		0.5440	5.62E-03	839.4968	309.3299	1148.8267		
	8/9/2008 12:00	431	222	1200	5.385	5.385		0.8069	9.14E-03	1364.0100	502.5975	1866.6075		
	8/9/2008 13:00	432	222	1300	5.166	5.166		0.8835	1.02E-02	1525.1169	561.9607	2087.0776		
	8/9/2008 14:00	433	222	1400	4.628	4.628		1.1024	1.34E-02	2002.9542	738.0297	2740.9839		
	8/9/2008 15:00	434	222	1500	4.421	4.421		1.2009	1.49E-02	2225.3414	819.9728	3045.3142		
	8/9/2008 16:00	435	222	1600	4.505	4.505		1.1598	1.43E-02	2132.1005	785.6163	2917.7168		
	8/9/2008 17:00	436	222	1700	4.561	4.561		1.1333	1.39E-02	2072.2504	763.5633	2835.8136		
	8/9/2008 18:00	437	222	1800	4.523	4.523		1.1512	1.42E-02	2112.6663	778.4554	2891.1217		
	8/9/2008 19:00	438	222	1900	4.879	4.879		0.9943	1.18E-02	1763.8628	649.9315	2413.7943		
	8/9/2008 20:00	439	222	2000	5.715	5.715		0.7025	7.71E-03	1150.2485	423.8327	1574.0812		
	8/9/2008 21:00	440	222	2100	7.812	7.812		0.2455	2.11E-03	315.3102	116.1825	431.4928		
	8/9/2008 22:00	441	222	2200	8.96	8.96		0.0859	5.80E-04	86.6006	31.9098	118.5103		
	8/9/2008 23:00	442	222	2300	9.24	9.24		0.0530	3.20E-04	47.8003	17.6130	65.4133		
	8/10/2008 0:00	443	223	0	9.38	9.38	9.44	0.0373	2.08E-04	31.0104	11.4264	42.4369		
	8/10/2008 1:00	444	223	100	9.44	9.44		0.0307	1.64E-04	24.4097	8.9943	33.4040		
	8/10/2008 2:00	445	223	200	9.42	9.42		0.0329	1.78E-04	26.5675	9.7894	36.3569		
	8/10/2008 3:00	446	223	300	9.37	9.37		0.0384	2.15E-04	32.1469	11.8452	43.9920		
	8/10/2008 4:00	447	223	400	9.33	9.33		0.0429	2.46E-04	36.7920	13.5568	50.3488		
	8/10/2008 5:00	448	223	500	9.25	9.25		0.0519	3.12E-04	46.5403	17.1487	63.6890		
	8/10/2008 6:00	449	223	600	9.16	9.16		0.0622	3.90E-04	58.2010	21.4454	79.6463		
	8/10/2008 7:00	450	223	700	9.09	9.09		0.0704	4.54E-04	67.7575	24.9666	92.7241		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	8.95	8.95		0.0872	5.90E-04	88.1081	32.4653	120.5734		
	8/10/2008 9:00	452	223	900	7.494	7.494		0.2984	2.69E-03	400.8381	147.6970	548.5351		
	8/10/2008 10:00	453	223	1000	4.745	4.745		1.0506	1.26E-02	1887.6469	695.5423	2583.1893		
	8/10/2008 11:00	454	223	1100	4.416	4.416		1.2034	1.49E-02	2231.0273	822.0679	3053.0952		
	8/10/2008 12:00	455	223	1200	4.403	4.403		1.2099	1.50E-02	2245.8839	827.5421	3073.4260		
	8/10/2008 13:00	456	223	1300	4.372	4.372		1.2255	1.53E-02	2281.7434	840.7553	3122.4987		
	8/10/2008 14:00	457	223	1400	4.325	4.325		1.2497	1.57E-02	2337.2993	861.2260	3198.5253		
	8/10/2008 15:00	458	223	1500	4.497	4.497		1.1637	1.43E-02	2140.7986	788.8213	2929.6199		
	8/10/2008 16:00	459	223	1600	4.349	4.349		1.2373	1.55E-02	2308.7490	850.7060	3159.4550		
	8/10/2008 17:00	460	223	1700	4.523	4.523		1.1512	1.42E-02	2112.6663	778.4554	2891.1217		
	8/10/2008 18:00	461	223	1800	7.664	7.664		0.2696	2.37E-03	353.7549	130.3483	484.1031		
	8/10/2008 19:00	462	223	1900	8.56	8.56		0.1367	1.03E-03	153.3216	56.4945	209.8161		
	8/10/2008 20:00	463	223	2000	8.27	8.27		0.1765	1.41E-03	210.0926	77.4130	287.5056		
	8/10/2008 21:00	464	223	2100	8.24	8.24		0.1808	1.45E-03	216.3852	79.7316	296.1168		
	8/10/2008 22:00	465	223	2200	8.56	8.56		0.1367	1.03E-03	153.3216	56.4945	209.8161		
	8/10/2008 23:00	466	223	2300	8.57	8.57		0.1354	1.01E-03	151.4921	55.8204	207.3125		
	8/11/2008 0:00	467	224	0	8.52	8.52	8.86	0.1420	1.08E-03	160.7235	59.2219	219.9454		
	8/11/2008 1:00	468	224	100	8.58	8.58		0.1340	1.00E-03	149.6711	55.1494	204.8205		
	8/11/2008 2:00	469	224	200	8.82	8.82		0.1032	7.27E-04	108.4551	39.9625	148.4176		
	8/11/2008 3:00	470	224	300	8.86	8.86		0.0982	6.84E-04	102.0467	37.6012	139.6479		
	8/11/2008 4:00	471	224	400	8.81	8.81		0.1044	7.37E-04	110.0777	40.5604	150.6380		
	8/11/2008 5:00	472	224	500	8.75	8.75		0.1120	8.04E-04	119.9856	44.2112	164.1968		
	8/11/2008 6:00	473	224	600	8.76	8.76		0.1107	7.93E-04	118.3137	43.5951	161.9089		
	8/11/2008 7:00	474	224	700	8.78	8.78		0.1082	7.70E-04	114.9947	42.3722	157.3668		
	8/11/2008 8:00	475	224	800	8.71	8.71		0.1171	8.49E-04	126.7553	46.7056	173.4609		
	8/11/2008 9:00	476	224	900	7.648	7.648		0.2722	2.40E-03	358.0503	131.9310	489.9813		
	8/11/2008 10:00	477	224	1000	5.175	5.175		0.8802	1.02E-02	1518.1591	559.3969	2077.5560		
	8/11/2008 11:00	478	224	1100	4.675	4.675		1.0813	1.31E-02	1955.7859	720.6495	2676.4355		
	8/11/2008 12:00	479	224	1200	4.628	4.628		1.1024	1.34E-02	2002.9542	738.0297	2740.9839		
	8/11/2008 13:00	480	224	1300	4.98	4.98		0.9538	1.12E-02	1675.9546	617.5399	2293.4945		
	8/11/2008 14:00	481	224	1400	4.603	4.603		1.1138	1.36E-02	2028.5235	747.4512	2775.9747		
	8/11/2008 15:00	482	224	1500	4.534	4.534		1.1460	1.41E-02	2100.8822	774.1133	2874.9955		
	8/11/2008 16:00	483	224	1600	4.873	4.873		0.9967	1.19E-02	1769.2267	651.9080	2421.1347		
	8/11/2008 17:00	484	224	1700	4.86	4.86		1.0021	1.19E-02	1780.9045	656.2109	2437.1154		
	8/11/2008 18:00	485	224	1800	5.311	5.311		0.8320	9.49E-03	1416.5880	521.9710	1938.5590		
	8/11/2008 19:00	486	224	1900	5.5	5.5		0.7691	8.61E-03	1285.8202	473.7869	1759.6071		
	8/11/2008 20:00	487	224	2000	6.409	6.409		0.5182	5.30E-03	790.7968	291.3853	1082.1821		
	8/11/2008 21:00	488	224	2100	7.616	7.616		0.2776	2.46E-03	366.7247	135.1272	501.8519		
	8/11/2008 22:00	489	224	2200	8.38	8.38		0.1611	1.26E-03	187.7021	69.1627	256.8648		
	8/11/2008 23:00	490	224	2300	8.75	8.75		0.1120	8.04E-04	119.9856	44.2112	164.1968		
	8/12/2008 0:00	491	225	0	8.91	8.91	9.01	0.0920	6.31E-04	94.2209	34.7176	128.9385		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	8.86	8.86		0.0982	6.84E-04	102.0467	37.6012	139.6479		
	8/12/2008 2:00	493	225	200	8.72	8.72		0.1158	8.38E-04	125.0505	46.0774	171.1280		
	8/12/2008 3:00	494	225	300	8.96	8.96		0.0859	5.80E-04	86.6006	31.9098	118.5103		
	8/12/2008 4:00	495	225	400	8.93	8.93		0.0896	6.11E-04	91.1480	33.5854	124.7334		
	8/12/2008 5:00	496	225	500	8.84	8.84		0.1007	7.05E-04	105.2345	38.7758	144.0103		
	8/12/2008 6:00	497	225	600	8.79	8.79		0.1069	7.59E-04	113.3475	41.7652	155.1127		
	8/12/2008 7:00	498	225	700	8.78	8.78		0.1082	7.70E-04	114.9947	42.3722	157.3668		
	8/12/2008 8:00	499	225	800	8.68	8.68		0.1210	8.84E-04	131.9192	48.6083	180.5275		
	8/12/2008 9:00	500	225	900	7.667	7.667		0.2691	2.36E-03	352.9526	130.0526	483.0052		
	8/12/2008 10:00	501	225	1000	5.302	5.302		0.8352	9.53E-03	1423.1085	524.3736	1947.4821		
	8/12/2008 11:00	502	225	1100	4.626	4.626		1.1033	1.34E-02	2004.9873	738.7788	2743.7662		
	8/12/2008 12:00	503	225	1200	4.56	4.56		1.1338	1.39E-02	2073.3035	763.9513	2837.2548		
	8/12/2008 13:00	504	225	1300	4.532	4.532		1.1470	1.41E-02	2103.0196	774.9008	2877.9204		
	8/12/2008 14:00	505	225	1400	4.499	4.499		1.1627	1.43E-02	2138.6206	788.0187	2926.6393		
	8/12/2008 15:00	506	225	1500	4.421	4.421		1.2009	1.49E-02	2225.3414	819.9728	3045.3142		
	8/12/2008 16:00	507	225	1600	4.516	4.516		1.1546	1.42E-02	2120.2017	781.2319	2901.4336		
	8/12/2008 17:00	508	225	1700	4.412	4.412		1.2053	1.50E-02	2235.5873	823.7481	3059.3354		
	8/12/2008 18:00	509	225	1800	4.527	4.527		1.1493	1.41E-02	2108.3731	776.8734	2885.2466		
	8/12/2008 19:00	510	225	1900	4.851	4.851		1.0058	1.20E-02	1789.0343	659.2065	2448.2408		
	8/12/2008 20:00	511	225	2000	5.628	5.628		0.7289	8.06E-03	1203.5205	443.4619	1646.9824		
	8/12/2008 21:00	512	225	2100	7.779	7.779		0.2508	2.17E-03	323.6840	119.2680	442.9521		
	8/12/2008 22:00	513	225	2200	8.77	8.77		0.1095	7.81E-04	116.6501	42.9821	159.6322		
	8/12/2008 23:00	514	225	2300	9.01	9.01		0.0799	5.30E-04	79.1866	29.1779	108.3646		
	8/13/2008 0:00	515	226	0	9.09	9.09	9.15	0.0704	4.54E-04	67.7575	24.9666	92.7241		
	8/13/2008 1:00	516	226	100	9.11	9.11		0.0681	4.35E-04	64.9844	23.9448	88.9292		
	8/13/2008 2:00	517	226	200	9.12	9.12		0.0669	4.26E-04	63.6105	23.4386	87.0492		
	8/13/2008 3:00	518	226	300	9.15	9.15		0.0634	3.99E-04	59.5405	21.9389	81.4794		
	8/13/2008 4:00	519	226	400	9.05	9.05		0.0751	4.92E-04	73.4050	27.0476	100.4526		
	8/13/2008 5:00	520	226	500	9	9		0.0811	5.40E-04	80.6528	29.7182	110.3710		
	8/13/2008 6:00	521	226	600	8.98	8.98		0.0835	5.60E-04	83.6101	30.8079	114.4180		
	8/13/2008 7:00	522	226	700	8.9	8.9		0.0933	6.42E-04	95.7696	35.2883	131.0579		
	8/13/2008 8:00	523	226	800	8.69	8.69		0.1197	8.72E-04	130.1896	47.9711	178.1607		
	8/13/2008 9:00	524	226	900	6.413	6.413		0.5172	5.29E-03	789.0182	290.7300	1079.7482		
	8/13/2008 10:00	525	226	1000	4.803	4.803		1.0258	1.23E-02	1833.0271	675.4165	2508.4436		
	8/13/2008 11:00	526	226	1100	4.769	4.769		1.0403	1.25E-02	1864.8479	687.1416	2551.9895		
	8/13/2008 12:00	527	226	1200	4.401	4.401		1.2109	1.51E-02	2248.1790	828.3878	3076.5667		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.306	5.306	9.94	0.8734	1.01E-02	1503.6444	554.0487	2057.6930		
W505EC1	7/22/2008 14:00	1	204	1400	5.703	5.703		0.7429	8.25E-03	1232.2177	454.0360	1686.2537		
36"N	7/22/2008 15:00	2	204	1500	5.521	5.521		0.8004	9.05E-03	1350.5533	497.6391	1848.1925		
Probe #	7/22/2008 16:00	3	204	1600	5.366	5.366		0.8524	9.78E-03	1459.3731	537.7360	1997.1091		
	7/22/2008 17:00	4	204	1700	5.618	5.618		0.7693	8.62E-03	1286.2772	473.9553	1760.2324		
9	7/22/2008 18:00	5	204	1800	5.512	5.512		0.8033	9.09E-03	1356.6620	499.8900	1856.5520		
	7/22/2008 19:00	6	204	1900	5.81	5.81		0.7108	7.82E-03	1167.0123	430.0097	1597.0220		
	7/22/2008 20:00	7	204	2000	6.301	6.301		0.5775	6.05E-03	903.7277	332.9970	1236.7247		
	7/22/2008 21:00	8	204	2100	8.29	8.29		0.1990	1.63E-03	243.5139	89.7277	333.2417		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.63	9.63		0.0322	1.73E-04	25.8562	9.5272	35.3834		
	7/22/2008 23:00	10	204	2300	9.94	9.94		0.0000	0.00E+00	0.0000	0.0000	0.0000		
9.1	7/23/2008 0:00	11	205	0	10.14	10.14	10.30	-0.0197	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	10.22	10.22		-0.0274	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	10.24	10.24		-0.0293	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	10.29	10.29		-0.0340	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	10.3	10.3		-0.0350	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	10.27	10.27		-0.0321	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	10.19	10.19		-0.0245	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.96	9.96		-0.0020	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 8:00	19	205	800	9.1	9.1		0.0923	6.34E-04	94.5692	34.8460	129.4151		
	7/23/2008 9:00	20	205	900	7.496	7.496		0.3260	2.99E-03	447.0737	164.7335	611.8072		
	7/23/2008 10:00	21	205	1000	6.183	6.183		0.6076	6.44E-03	962.0662	354.4931	1316.5593		
	7/23/2008 11:00	22	205	1100	6.023	6.023		0.6503	7.01E-03	1045.9669	385.4080	1431.3749		
	7/23/2008 12:00	23	205	1200	5.913	5.913		0.6810	7.42E-03	1107.0790	407.9260	1515.0051		
	7/23/2008 13:00	24	205	1300	5.87	5.87		0.6934	7.58E-03	1131.7720	417.0247	1548.7967		
	7/23/2008 14:00	25	205	1400	5.841	5.841		0.7018	7.69E-03	1148.6891	423.2581	1571.9472		
	7/23/2008 15:00	26	205	1500	5.75	5.75		0.7287	8.06E-03	1203.1952	443.3420	1646.5372		
	7/23/2008 16:00	27	205	1600	5.939	5.939		0.6737	7.32E-03	1092.3709	402.5065	1494.8774		
	7/23/2008 17:00	28	205	1700	6.506	6.506		0.5278	5.42E-03	808.9511	298.0747	1107.0258		
	7/23/2008 18:00	29	205	1800	7.415	7.415		0.3405	3.16E-03	471.6487	173.7887	645.4374		
	7/23/2008 19:00	30	205	1900	7.356	7.356		0.3513	3.28E-03	490.0471	180.5679	670.6151		
	7/23/2008 20:00	31	205	2000	7.927	7.927		0.2539	2.20E-03	328.6778	121.1081	449.7859		
	7/23/2008 21:00	32	205	2100	8.87	8.87		0.1206	8.81E-04	131.4677	48.4420	179.9097		
	7/23/2008 22:00	33	205	2200	9.35	9.35		0.0631	3.97E-04	59.2095	21.8170	81.0265		
	7/23/2008 23:00	34	205	2300	9.45	9.45		0.0519	3.11E-04	46.4961	17.1324	63.6285		
	7/24/2008 0:00	35	206	0	9.5	9.5	10.01	0.0463	2.71E-04	40.4626	14.9093	55.3719		
	7/24/2008 1:00	36	206	100	9.64	9.64		0.0311	1.66E-04	24.8016	9.1386	33.9402		
	7/24/2008 2:00	37	206	200	9.75	9.75		0.0195	9.34E-05	13.9387	5.1360	19.0747		
	7/24/2008 3:00	38	206	300	9.86	9.86		0.0081	3.18E-05	4.7401	1.7466	6.4866		
	7/24/2008 4:00	39	206	400	9.92	9.92		0.0020	5.72E-06	0.8539	0.3146	1.1685		
	7/24/2008 5:00	40	206	500	9.97	9.97		-0.0030	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.98	9.98		-0.0040	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.95	9.95		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.72	9.72		0.0226	1.12E-04	16.7590	6.1752	22.9341		
	7/24/2008 9:00	44	206	900	9.27	9.27		0.0723	4.69E-04	69.9785	25.7850	95.7635		
	7/24/2008 10:00	45	206	1000	9.24	9.24		0.0758	4.97E-04	74.1507	27.3223	101.4730		
	7/24/2008 11:00	46	206	1100	7.042	7.042		0.4115	3.99E-03	595.4853	219.4188	814.9041		
	7/24/2008 12:00	47	206	1200	5.871	5.871		0.6931	7.58E-03	1131.1925	416.8111	1548.0036		
	7/24/2008 13:00	48	206	1300	6.433	6.433		0.5452	5.64E-03	841.7838	310.1726	1151.9564		
	7/24/2008 14:00	49	206	1400	6.298	6.298		0.5783	6.06E-03	905.1754	333.5305	1238.7059		
	7/24/2008 15:00	50	206	1500	5.775	5.775		0.7212	7.96E-03	1188.0024	437.7439	1625.7463		
	7/24/2008 16:00	51	206	1600	5.583	5.583		0.7804	8.77E-03	1309.1445	482.3812	1791.5257		
	7/24/2008 17:00	52	206	1700	6.041	6.041		0.6454	6.94E-03	1036.2396	381.8238	1418.0634		
	7/24/2008 18:00	53	206	1800	5.641	5.641		0.7621	8.52E-03	1271.4454	468.4902	1739.9355		
	7/24/2008 19:00	54	206	1900	6.102	6.102		0.6290	6.72E-03	1003.8265	369.8805	1373.7071		
	7/24/2008 20:00	55	206	2000	7.38	7.38		0.3469	3.23E-03	482.5116	177.7913	660.3029		
	7/24/2008 21:00	56	206	2100	8.95	8.95		0.1106	7.92E-04	118.1611	43.5389	161.7000		
	7/24/2008 22:00	57	206	2200	9.84	9.84		0.0102	4.19E-05	6.2541	2.3045	8.5586		
	7/24/2008 23:00	58	206	2300	10.01	10.01		-0.0070	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	10.02	10.02	10.02	-0.0080	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.97	9.97		-0.0030	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.93	9.93		0.0010	2.43E-06	0.3633	0.1339	0.4972		
	7/25/2008 3:00	62	207	300	9.9	9.9		0.0040	1.35E-05	2.0093	0.7404	2.7497		
	7/25/2008 4:00	63	207	400	9.91	9.91		0.0030	9.43E-06	1.4084	0.5189	1.9273		
	7/25/2008 5:00	64	207	500	9.89	9.89		0.0051	1.77E-05	2.6478	0.9756	3.6235		
	7/25/2008 6:00	65	207	600	9.87	9.87		0.0071	2.69E-05	4.0165	1.4800	5.4965		
	7/25/2008 7:00	66	207	700	9.85	9.85		0.0091	3.68E-05	5.4865	2.0216	7.5081		
	7/25/2008 8:00	67	207	800	9.82	9.82		0.0122	5.26E-05	7.8474	2.8915	10.7389		
	7/25/2008 9:00	68	207	900	9.8	9.8		0.0143	6.37E-05	9.5110	3.5045	13.0155		
	7/25/2008 10:00	69	207	1000	9.71	9.71		0.0237	1.19E-04	17.7240	6.5308	24.2548		
	7/25/2008 11:00	70	207	1100	8.56	8.56		0.1612	1.26E-03	187.8701	69.2246	257.0947		
	7/25/2008 12:00	71	207	1200	7.218	7.218		0.3771	3.58E-03	534.7833	197.0519	731.8352		
	7/25/2008 13:00	72	207	1300	6.33	6.33		0.5703	5.96E-03	889.8261	327.8747	1217.7008		
	7/25/2008 14:00	73	207	1400	5.712	5.712		0.7402	8.22E-03	1226.6132	451.9708	1678.5840		
	7/25/2008 15:00	74	207	1500	5.652	5.652		0.7587	8.47E-03	1264.4059	465.8964	1730.3023		
	7/25/2008 16:00	75	207	1600	5.798	5.798		0.7144	7.87E-03	1174.1724	432.6480	1606.8204		
	7/25/2008 17:00	76	207	1700	5.569	5.569		0.7849	8.83E-03	1318.3932	485.7891	1804.1823		
	7/25/2008 18:00	77	207	1800	5.612	5.612		0.7712	8.64E-03	1290.1717	475.3903	1765.5619		
	7/25/2008 19:00	78	207	1900	5.674	5.674		0.7519	8.38E-03	1250.4307	460.7469	1711.1776		
	7/25/2008 20:00	79	207	2000	6.745	6.745		0.4737	4.74E-03	708.0576	260.8984	968.9560		
	7/25/2008 21:00	80	207	2100	8.47	8.47		0.1736	1.38E-03	205.7240	75.8032	281.5272		
	7/25/2008 22:00	81	207	2200	9.72	9.72		0.0226	1.12E-04	16.7590	6.1752	22.9341		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.86	9.86		0.0081	3.18E-05	4.7401	1.7466	6.4866		
	7/26/2008 0:00	83	208	0	9.82	9.82	9.82	0.0122	5.26E-05	7.8474	2.8915	10.7389		
	7/26/2008 1:00	84	208	100	9.76	9.76		0.0184	8.73E-05	13.0248	4.7992	17.8240		
	7/26/2008 2:00	85	208	200	9.69	9.69		0.0258	1.32E-04	19.6898	7.2551	26.9449		
	7/26/2008 3:00	86	208	300	9.61	9.61		0.0343	1.88E-04	27.9963	10.3158	38.3120		
	7/26/2008 4:00	87	208	400	9.54	9.54		0.0419	2.40E-04	35.7976	13.1904	48.9879		
	7/26/2008 5:00	88	208	500	9.48	9.48		0.0485	2.87E-04	42.8495	15.7888	58.6383		
	7/26/2008 6:00	89	208	600	9.41	9.41		0.0563	3.45E-04	51.4798	18.9688	70.4485		
	7/26/2008 7:00	90	208	700	9.33	9.33		0.0654	4.14E-04	61.8527	22.7909	84.6436		
	7/26/2008 8:00	91	208	800	9.27	9.27		0.0723	4.69E-04	69.9785	25.7850	95.7635		
	7/26/2008 9:00	92	208	900	8.03	8.03		0.2379	2.03E-03	303.2417	111.7357	414.9774		
	7/26/2008 10:00	93	208	1000	6.395	6.395		0.5543	5.76E-03	859.2699	316.6157	1175.8856		
	7/26/2008 11:00	94	208	1100	6.186	6.186		0.6069	6.43E-03	960.5469	353.9333	1314.4802		
	7/26/2008 12:00	95	208	1200	6.402	6.402		0.5526	5.73E-03	856.0281	315.4212	1171.4493		
	7/26/2008 13:00	96	208	1300	5.772	5.772		0.7221	7.97E-03	1189.8167	438.4124	1628.2291		
	7/26/2008 14:00	97	208	1400	5.68	5.68		0.7500	8.35E-03	1246.6431	459.3513	1705.9944		
	7/26/2008 15:00	98	208	1500	5.563	5.563		0.7868	8.86E-03	1322.3749	487.2562	1809.6312		
	7/26/2008 16:00	99	208	1600	5.638	5.638		0.7630	8.53E-03	1273.3713	469.1998	1742.5711		
	7/26/2008 17:00	100	208	1700	5.414	5.414		0.8360	9.54E-03	1424.8376	525.0107	1949.8484		
	7/26/2008 18:00	101	208	1800	5.489	5.489		0.8109	9.19E-03	1372.3879	505.6845	1878.0724		
	7/26/2008 19:00	102	208	1900	5.696	5.696		0.7451	8.28E-03	1236.5924	455.6479	1692.2403		
	7/26/2008 20:00	103	208	2000	6.293	6.293		0.5795	6.08E-03	907.5923	334.4210	1242.0133		
	7/26/2008 21:00	104	208	2100	8.02	8.02		0.2394	2.05E-03	305.6658	112.6289	418.2947		
	7/26/2008 22:00	105	208	2200	9.13	9.13		0.0887	6.03E-04	90.0632	33.1856	123.2488		
	7/26/2008 23:00	106	208	2300	9.32	9.32		0.0665	4.23E-04	63.1866	23.2824	86.4690		
	7/27/2008 0:00	107	209	0	9.36	9.36	9.36	0.0620	3.88E-04	57.9003	21.3346	79.2349		
	7/27/2008 1:00	108	209	100	9.33	9.33		0.0654	4.14E-04	61.8527	22.7909	84.6436		
	7/27/2008 2:00	109	209	200	9.21	9.21		0.0793	5.25E-04	78.3950	28.8863	107.2813		
	7/27/2008 3:00	110	209	300	9.04	9.04		0.0996	6.95E-04	103.7937	38.2449	142.0386		
	7/27/2008 4:00	111	209	400	8.89	8.89		0.1181	8.58E-04	128.0937	47.1987	175.2924		
	7/27/2008 5:00	112	209	500	8.8	8.8		0.1295	9.61E-04	143.5269	52.8855	196.4124		
	7/27/2008 6:00	113	209	600	8.7	8.7		0.1425	1.08E-03	161.4342	59.4838	220.9180		
	7/27/2008 7:00	114	209	700	8.59	8.59		0.1572	1.22E-03	182.0694	67.0872	249.1566		
	7/27/2008 8:00	115	209	800	8.39	8.39		0.1847	1.49E-03	222.1719	81.8638	304.0357		
	7/27/2008 9:00	116	209	900	6.368	6.368		0.5609	5.84E-03	871.8624	321.2556	1193.1181		
	7/27/2008 10:00	117	209	1000	5.073	5.073		0.9594	1.13E-02	1688.0271	621.9883	2310.0154		
	7/27/2008 11:00	118	209	1100	4.886	4.886		1.0344	1.24E-02	1851.8892	682.3667	2534.2559		
	7/27/2008 12:00	119	209	1200	4.968	4.968		1.0008	1.19E-02	1778.1648	655.2014	2433.3662		
	7/27/2008 13:00	120	209	1300	5.146	5.146		0.9316	1.09E-02	1628.0274	599.8802	2227.9076		
	7/27/2008 14:00	121	209	1400	4.992	4.992		0.9912	1.18E-02	1757.1494	647.4578	2404.6072		
	7/27/2008 15:00	122	209	1500	4.927	4.927		1.0175	1.22E-02	1814.6500	668.6451	2483.2951		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.965	4.965		1.0020	1.19E-02	1780.8093	656.1758	2436.9851		
	7/27/2008 17:00	124	209	1700	5.174	5.174		0.9211	1.08E-02	1605.5692	591.6050	2197.1742		
	7/27/2008 18:00	125	209	1800	5.112	5.112		0.9444	1.11E-02	1655.7086	610.0799	2265.7885		
	7/27/2008 19:00	126	209	1900	5.408	5.408		0.8380	9.57E-03	1429.1126	526.5859	1955.6985		
	7/27/2008 20:00	127	209	2000	5.863	5.863		0.6954	7.61E-03	1135.8358	418.5221	1554.3579		
	7/27/2008 21:00	128	209	2100	7.294	7.294		0.3628	3.42E-03	509.8460	187.8632	697.7092		
	7/27/2008 22:00	129	209	2200	8.43	8.43		0.1791	1.43E-03	213.8792	78.8082	292.6874		
	7/27/2008 23:00	130	209	2300	8.65	8.65		0.1491	1.14E-03	170.6911	62.8946	233.5857		
	7/28/2008 0:00	131	210	0	8.74	8.74	8.88	0.1373	1.03E-03	154.1748	56.8089	210.9836		
	7/28/2008 1:00	132	210	100	8.83	8.83		0.1257	9.27E-04	138.3110	50.9635	189.2745		
	7/28/2008 2:00	133	210	200	8.84	8.84		0.1244	9.15E-04	136.5883	50.3288	186.9170		
	7/28/2008 3:00	134	210	300	8.88	8.88		0.1194	8.69E-04	129.7767	47.8189	177.5957		
	7/28/2008 4:00	135	210	400	8.84	8.84		0.1244	9.15E-04	136.5883	50.3288	186.9170		
	7/28/2008 5:00	136	210	500	8.85	8.85		0.1232	9.04E-04	134.8735	49.6969	184.5704		
	7/28/2008 6:00	137	210	600	8.85	8.85		0.1232	9.04E-04	134.8735	49.6969	184.5704		
	7/28/2008 7:00	138	210	700	8.74	8.74		0.1373	1.03E-03	154.1748	56.8089	210.9836		
	7/28/2008 8:00	139	210	800	7.282	7.282		0.3650	3.44E-03	513.7340	189.2959	703.0299		
	7/28/2008 9:00	140	210	900	5.703	5.703		0.7429	8.25E-03	1232.2177	454.0360	1686.2537		
	7/28/2008 10:00	141	210	1000	4.993	4.993		0.9908	1.18E-02	1756.2791	647.1372	2403.4163		
	7/28/2008 11:00	142	210	1100	5.03	5.03		0.9761	1.16E-02	1724.3795	635.3831	2359.7626		
	7/28/2008 12:00	143	210	1200	5.122	5.122		0.9406	1.10E-02	1647.5198	607.0626	2254.5824		
	7/28/2008 13:00	144	210	1300	5.055	5.055		0.9664	1.14E-02	1703.1515	627.5612	2330.7126		
	7/28/2008 14:00	145	210	1400	4.984	4.984		0.9944	1.18E-02	1764.1268	650.0288	2414.1556		
	7/28/2008 15:00	146	210	1500	4.814	4.814		1.0648	1.29E-02	1919.1733	707.1589	2626.3322		
	7/28/2008 16:00	147	210	1600	4.931	4.931		1.0158	1.21E-02	1811.0576	667.3214	2478.3790		
	7/28/2008 17:00	148	210	1700	5.006	5.006		0.9856	1.17E-02	1745.0049	642.9829	2387.9878		
	7/28/2008 18:00	149	210	1800	4.972	4.972		0.9992	1.19E-02	1774.6449	653.9044	2428.5493		
	7/28/2008 19:00	150	210	1900	5.315	5.315		0.8702	1.00E-02	1496.9240	551.5724	2048.4965		
	7/28/2008 20:00	151	210	2000	5.779	5.779		0.7200	7.94E-03	1185.5871	436.8539	1622.4410		
	7/28/2008 21:00	152	210	2100	7.619	7.619		0.3046	2.75E-03	411.2173	151.5215	562.7388		
	7/28/2008 22:00	153	210	2200	8.33	8.33		0.1933	1.57E-03	234.8715	86.5432	321.4148		
	7/28/2008 23:00	154	210	2300	8.5	8.5		0.1694	1.34E-03	199.6969	73.5824	273.2793		
	7/29/2008 0:00	155	211	0	8.71	8.71	8.94	0.1412	1.07E-03	159.6072	58.8106	218.4178		
	7/29/2008 1:00	156	211	100	8.86	8.86		0.1219	8.92E-04	133.1666	49.0680	182.2346		
	7/29/2008 2:00	157	211	200	8.94	8.94		0.1119	8.03E-04	119.7968	44.1416	163.9384		
	7/29/2008 3:00	158	211	300	8.93	8.93		0.1131	8.14E-04	121.4404	44.7472	166.1876		
	7/29/2008 4:00	159	211	400	8.93	8.93		0.1131	8.14E-04	121.4404	44.7472	166.1876		
	7/29/2008 5:00	160	211	500	8.85	8.85		0.1232	9.04E-04	134.8735	49.6969	184.5704		
	7/29/2008 6:00	161	211	600	8.74	8.74		0.1373	1.03E-03	154.1748	56.8089	210.9836		
	7/29/2008 7:00	162	211	700	8.64	8.64		0.1505	1.16E-03	172.5669	63.5858	236.1528		
	7/29/2008 8:00	163	211	800	8.12	8.12		0.2241	1.89E-03	281.8553	103.8554	385.7106		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	6.454	6.454		0.5401	5.58E-03	832.2375	306.6550	1138.8926		
	7/29/2008 10:00	165	211	1000	5.318	5.318		0.8691	1.00E-02	1494.6902	550.7494	2045.4396		
	7/29/2008 11:00	166	211	1100	5.477	5.477		0.8149	9.25E-03	1380.6586	508.7321	1889.3907		
	7/29/2008 12:00	167	211	1200	4.89	4.89		1.0327	1.24E-02	1848.2223	681.0155	2529.2379		
	7/29/2008 13:00	168	211	1300	4.915	4.915		1.0224	1.22E-02	1825.4703	672.6321	2498.1024		
	7/29/2008 14:00	169	211	1400	4.745	4.745		1.0948	1.33E-02	1986.0070	731.7851	2717.7921		
	7/29/2008 15:00	170	211	1500	4.93	4.93		1.0162	1.21E-02	1811.9550	667.6521	2479.6071		
	7/29/2008 16:00	171	211	1600	5.103	5.103		0.9479	1.11E-02	1663.1125	612.8080	2275.9205		
	7/29/2008 17:00	172	211	1700	5.248	5.248		0.8941	1.04E-02	1547.6439	570.2612	2117.9051		
	7/29/2008 18:00	173	211	1800	5.132	5.132		0.9369	1.10E-02	1639.3705	604.0598	2243.4303		
	7/29/2008 19:00	174	211	1900	5.134	5.134		0.9361	1.10E-02	1637.7454	603.4610	2241.2063		
	7/29/2008 20:00	175	211	2000	6.333	6.333		0.5696	5.95E-03	888.3976	327.3484	1215.7459		
	7/29/2008 21:00	176	211	2100	7.983	7.983		0.2451	2.11E-03	314.7194	115.9648	430.6843		
	7/29/2008 22:00	177	211	2200	8.63	8.63		0.1518	1.17E-03	174.4510	64.2801	238.7310		
	7/29/2008 23:00	178	211	2300	8.76	8.76		0.1347	1.01E-03	150.5934	55.4892	206.0826		
	7/30/2008 0:00	179	212	0	8.71	8.71	8.71	0.1412	1.07E-03	159.6072	58.8106	218.4178		
	7/30/2008 1:00	180	212	100	8.59	8.59		0.1572	1.22E-03	182.0694	67.0872	249.1566		
	7/30/2008 2:00	181	212	200	8.55	8.55		0.1626	1.27E-03	189.8203	69.9432	259.7635		
	7/30/2008 3:00	182	212	300	8.52	8.52		0.1667	1.31E-03	195.7211	72.1174	267.8385		
	7/30/2008 4:00	183	212	400	8.46	8.46		0.1749	1.39E-03	207.7500	76.5498	284.2997		
	7/30/2008 5:00	184	212	500	8.39	8.39		0.1847	1.49E-03	222.1719	81.8638	304.0357		
	7/30/2008 6:00	185	212	600	8.35	8.35		0.1904	1.54E-03	230.6033	84.9705	315.5738		
	7/30/2008 7:00	186	212	700	8.35	8.35		0.1904	1.54E-03	230.6033	84.9705	315.5738		
	7/30/2008 8:00	187	212	800	8.35	8.35		0.1904	1.54E-03	230.6033	84.9705	315.5738		
	7/30/2008 9:00	188	212	900	7.117	7.117		0.3967	3.81E-03	569.1009	209.6969	778.7978		
	7/30/2008 10:00	189	212	1000	5.228	5.228		0.9013	1.05E-02	1563.0985	575.9558	2139.0543		
	7/30/2008 11:00	190	212	1100	4.761	4.761		1.0878	1.32E-02	1970.2983	725.9969	2696.2953		
	7/30/2008 12:00	191	212	1200	4.775	4.775		1.0817	1.31E-02	1956.6587	720.9711	2677.6298		
	7/30/2008 13:00	192	212	1300	4.803	4.803		1.0695	1.29E-02	1929.6708	711.0269	2640.6976		
	7/30/2008 14:00	193	212	1400	4.718	4.718		1.1068	1.35E-02	2012.8105	741.6614	2754.4720		
	7/30/2008 15:00	194	212	1500	4.653	4.653		1.1363	1.39E-02	2078.8972	766.0124	2844.9096		
	7/30/2008 16:00	195	212	1600	4.562	4.562		1.1789	1.46E-02	2175.2831	801.5278	2976.8109		
	7/30/2008 17:00	196	212	1700	4.768	4.768		1.0847	1.32E-02	1963.4663	723.4795	2686.9458		
	7/30/2008 18:00	197	212	1800	4.746	4.746		1.0944	1.33E-02	1985.0214	731.4220	2716.4433		
	7/30/2008 19:00	198	212	1900	5.121	5.121		0.9410	1.10E-02	1648.3369	607.3636	2255.7005		
	7/30/2008 20:00	199	212	2000	5.763	5.763		0.7248	8.01E-03	1195.2739	440.4233	1635.6972		
	7/30/2008 21:00	200	212	2100	7.531	7.531		0.3199	2.93E-03	436.6940	160.9089	597.6029		
	7/30/2008 22:00	201	212	2200	8.47	8.47		0.1736	1.38E-03	205.7240	75.8032	281.5272		
	7/30/2008 23:00	202	212	2300	8.67	8.67		0.1465	1.12E-03	166.9639	61.5213	228.4852		
	7/31/2008 0:00	203	213	0	8.67	8.67	8.67	0.1465	1.12E-03	166.9639	61.5213	228.4852		
	7/31/2008 1:00	204	213	100	8.62	8.62		0.1531	1.18E-03	176.3432	64.9773	241.3205		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	8.54	8.54		0.1639	1.28E-03	191.7788	70.6649	262.4437		
	7/31/2008 3:00	206	213	300	8.47	8.47		0.1736	1.38E-03	205.7240	75.8032	281.5272		
	7/31/2008 4:00	207	213	400	8.38	8.38		0.1862	1.50E-03	224.2667	82.6357	306.9023		
	7/31/2008 5:00	208	213	500	8.31	8.31		0.1961	1.60E-03	239.1750	88.1290	327.3040		
	7/31/2008 6:00	209	213	600	8.24	8.24		0.2063	1.70E-03	254.5177	93.7823	348.3000		
	7/31/2008 7:00	210	213	700	8.16	8.16		0.2181	1.83E-03	272.5952	100.4433	373.0385		
	7/31/2008 8:00	211	213	800	8.1	8.1		0.2272	1.92E-03	286.5414	105.5821	392.1235		
	7/31/2008 9:00	212	213	900	6.599	6.599		0.5063	5.15E-03	768.5216	283.1776	1051.6992		
	7/31/2008 10:00	213	213	1000	4.977	4.977		0.9972	1.19E-02	1770.2548	652.2868	2422.5415		
	7/31/2008 11:00	214	213	1100	4.684	4.684		1.1221	1.37E-02	2047.1002	754.2962	2801.3963		
	7/31/2008 12:00	215	213	1200	4.503	4.503		1.2074	1.50E-02	2240.3103	825.4884	3065.7987		
	7/31/2008 13:00	216	213	1300	4.76	4.76		1.0882	1.32E-02	1971.2763	726.3573	2697.6337		
	7/31/2008 14:00	217	213	1400	4.448	4.448		1.2347	1.54E-02	2302.8156	848.5198	3151.3354		
	7/31/2008 15:00	218	213	1500	4.383	4.383		1.2679	1.59E-02	2379.1377	876.6422	3255.7799		
	7/31/2008 16:00	219	213	1600	4.561	4.561		1.1793	1.46E-02	2176.3683	801.9277	2978.2959		
	7/31/2008 17:00	220	213	1700	4.656	4.656		1.1349	1.39E-02	2075.7975	764.8703	2840.6678		
	7/31/2008 18:00	221	213	1800	4.66	4.66		1.1330	1.39E-02	2071.6722	763.3502	2835.0224		
	7/31/2008 19:00	222	213	1900	5.138	5.138		0.9346	1.09E-02	1634.4998	602.2651	2236.7649		
	7/31/2008 20:00	223	213	2000	6.125	6.125		0.6229	6.64E-03	991.8224	365.4574	1357.2798		
	7/31/2008 21:00	224	213	2100	7.358	7.358		0.3509	3.28E-03	489.4165	180.3356	669.7520		
	7/31/2008 22:00	225	213	2200	8.04	8.04		0.2363	2.02E-03	300.8273	110.8460	411.6733		
	7/31/2008 23:00	226	213	2300	7.963	7.963		0.2483	2.14E-03	319.6690	117.7886	437.4576		
	8/1/2008 0:00	227	214	0	8.25	8.25	8.72	0.2048	1.69E-03	252.2990	92.9647	345.2637		
	8/1/2008 1:00	228	214	100	8.62	8.62		0.1531	1.18E-03	176.3432	64.9773	241.3205		
	8/1/2008 2:00	229	214	200	8.72	8.72		0.1399	1.06E-03	157.7883	58.1404	215.9287		
	8/1/2008 3:00	230	214	300	8.71	8.71		0.1412	1.07E-03	159.6072	58.8106	218.4178		
	8/1/2008 4:00	231	214	400	8.72	8.72		0.1399	1.06E-03	157.7883	58.1404	215.9287		
	8/1/2008 5:00	232	214	500	8.68	8.68		0.1452	1.11E-03	165.1126	60.8391	225.9517		
	8/1/2008 6:00	233	214	600	8.6	8.6		0.1558	1.21E-03	180.1524	66.3809	246.5333		
	8/1/2008 7:00	234	214	700	8.51	8.51		0.1680	1.32E-03	197.7048	72.8484	270.5531		
	8/1/2008 8:00	235	214	800	8.37	8.37		0.1876	1.52E-03	226.3702	83.4107	309.7809		
	8/1/2008 9:00	236	214	900	6.844	6.844		0.4524	4.48E-03	669.0385	246.5210	915.5595		
	8/1/2008 10:00	237	214	1000	4.903	4.903		1.0273	1.23E-02	1836.3557	676.6430	2512.9988		
	8/1/2008 11:00	238	214	1100	4.693	4.693		1.1180	1.37E-02	2037.9645	750.9299	2788.8945		
	8/1/2008 12:00	239	214	1200	4.713	4.713		1.1091	1.35E-02	2017.8153	743.5056	2761.3209		
	8/1/2008 13:00	240	214	1300	4.662	4.662		1.1321	1.39E-02	2069.6127	762.5914	2832.2041		
	8/1/2008 14:00	241	214	1400	4.596	4.596		1.1628	1.43E-02	2138.7279	788.0583	2926.7861		
	8/1/2008 15:00	242	214	1500	4.442	4.442		1.2377	1.55E-02	2309.7478	851.0741	3160.8219		
	8/1/2008 16:00	243	214	1600	4.522	4.522		1.1981	1.49E-02	2219.1447	817.6895	3036.8342		
	8/1/2008 17:00	244	214	1700	4.819	4.819		1.0627	1.28E-02	1914.4212	705.4079	2619.8290		
	8/1/2008 18:00	245	214	1800	4.736	4.736		1.0988	1.34E-02	1994.9000	735.0620	2729.9620		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.058	5.058		0.9652	1.14E-02	1700.6215	626.6290	2327.2504		
	8/1/2008 20:00	247	214	2000	5.889	5.889		0.6879	7.51E-03	1120.8041	412.9833	1533.7874		
	8/1/2008 21:00	248	214	2100	7.752	7.752		0.2822	2.51E-03	374.3447	137.9350	512.2796		
	8/1/2008 22:00	249	214	2200	8.61	8.61		0.1545	1.19E-03	178.2437	65.6776	243.9213		
	8/1/2008 23:00	250	214	2300	8.72	8.72		0.1399	1.06E-03	157.7883	58.1404	215.9287		
	8/2/2008 0:00	251	215	0	8.7	8.7	8.75	0.1425	1.08E-03	161.4342	59.4838	220.9180		
	8/2/2008 1:00	252	215	100	8.73	8.73		0.1386	1.04E-03	155.9775	57.4731	213.4506		
	8/2/2008 2:00	253	215	200	8.74	8.74		0.1373	1.03E-03	154.1748	56.8089	210.9836		
	8/2/2008 3:00	254	215	300	8.75	8.75		0.1360	1.02E-03	152.3801	56.1476	208.5276		
	8/2/2008 4:00	255	215	400	8.71	8.71		0.1412	1.07E-03	159.6072	58.8106	218.4178		
	8/2/2008 5:00	256	215	500	8.7	8.7		0.1425	1.08E-03	161.4342	59.4838	220.9180		
	8/2/2008 6:00	257	215	600	8.7	8.7		0.1425	1.08E-03	161.4342	59.4838	220.9180		
	8/2/2008 7:00	258	215	700	8.59	8.59		0.1572	1.22E-03	182.0694	67.0872	249.1566		
	8/2/2008 8:00	259	215	800	7.312	7.312		0.3594	3.38E-03	504.0481	185.7269	689.7750		
	8/2/2008 9:00	260	215	900	5.404	5.404		0.8394	9.59E-03	1431.9692	527.6385	1959.6077		
	8/2/2008 10:00	261	215	1000	4.917	4.917		1.0216	1.22E-02	1823.6624	671.9659	2495.6284		
	8/2/2008 11:00	262	215	1100	4.791	4.791		1.0747	1.30E-02	1941.1898	715.2713	2656.4611		
	8/2/2008 12:00	263	215	1200	4.728	4.728		1.1024	1.34E-02	2002.8397	737.9875	2740.8272		
	8/2/2008 13:00	264	215	1300	4.733	4.733		1.1001	1.34E-02	1997.8736	736.1576	2734.0312		
	8/2/2008 14:00	265	215	1400	4.729	4.729		1.1019	1.34E-02	2001.8455	737.6211	2739.4666		
	8/2/2008 15:00	266	215	1500	4.582	4.582		1.1694	1.44E-02	2153.7003	793.5752	2947.2754		
	8/2/2008 16:00	267	215	1600	4.652	4.652		1.1367	1.39E-02	2079.9315	766.3935	2846.3250		
	8/2/2008 17:00	268	215	1700	4.899	4.899		1.0290	1.23E-02	1839.9988	677.9854	2517.9841		
	8/2/2008 18:00	269	215	1800	4.811	4.811		1.0661	1.29E-02	1922.0304	708.2116	2630.2421		
	8/2/2008 19:00	270	215	1900	5.253	5.253		0.8923	1.03E-02	1543.8031	568.8460	2112.6491		
	8/2/2008 20:00	271	215	2000	5.949	5.949		0.6709	7.28E-03	1086.7579	400.4383	1487.1962		
	8/2/2008 21:00	272	215	2100	7.434	7.434		0.3371	3.12E-03	465.8139	171.6387	637.4526		
	8/2/2008 22:00	273	215	2200	8.37	8.37		0.1876	1.52E-03	226.3702	83.4107	309.7809		
	8/2/2008 23:00	274	215	2300	8.59	8.59		0.1572	1.22E-03	182.0694	67.0872	249.1566		
	8/3/2008 0:00	275	216	0	8.47	8.47	8.74	0.1736	1.38E-03	205.7240	75.8032	281.5272		
	8/3/2008 1:00	276	216	100	8.27	8.27		0.2019	1.66E-03	247.8885	91.3396	339.2282		
	8/3/2008 2:00	277	216	200	8.37	8.37		0.1876	1.52E-03	226.3702	83.4107	309.7809		
	8/3/2008 3:00	278	216	300	8.6	8.6		0.1558	1.21E-03	180.1524	66.3809	246.5333		
	8/3/2008 4:00	279	216	400	8.73	8.73		0.1386	1.04E-03	155.9775	57.4731	213.4506		
	8/3/2008 5:00	280	216	500	8.74	8.74		0.1373	1.03E-03	154.1748	56.8089	210.9836		
	8/3/2008 6:00	281	216	600	8.69	8.69		0.1438	1.09E-03	163.2693	60.1599	223.4293		
	8/3/2008 7:00	282	216	700	8.61	8.61		0.1545	1.19E-03	178.2437	65.6776	243.9213		
	8/3/2008 8:00	283	216	800	7.44	7.44		0.3360	3.11E-03	463.9804	170.9631	634.9435		
	8/3/2008 9:00	284	216	900	5.392	5.392		0.8435	9.65E-03	1440.5708	530.8079	1971.3787		
	8/3/2008 10:00	285	216	1000	4.657	4.657		1.1344	1.39E-02	2074.7654	764.4900	2839.2553		
	8/3/2008 11:00	286	216	1100	4.638	4.638		1.1432	1.40E-02	2094.4688	771.7501	2866.2189		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	4.677	4.677		1.1253	1.38E-02	2054.2353	756.9252	2811.1605		
	8/3/2008 13:00	288	216	1300	4.699	4.699		1.1153	1.36E-02	2031.8978	748.6945	2780.5923		
	8/3/2008 14:00	289	216	1400	4.71	4.71		1.1104	1.35E-02	2020.8244	744.6143	2765.4387		
	8/3/2008 15:00	290	216	1500	4.681	4.681		1.1235	1.37E-02	2050.1549	755.4217	2805.5766		
	8/3/2008 16:00	291	216	1600	4.839	4.839		1.0541	1.27E-02	1895.5326	698.4480	2593.9806		
	8/3/2008 17:00	292	216	1700	4.993	4.993		0.9908	1.18E-02	1756.2791	647.1372	2403.4163		
	8/3/2008 18:00	293	216	1800	4.853	4.853		1.0482	1.26E-02	1882.4241	693.6179	2576.0419		
	8/3/2008 19:00	294	216	1900	5.207	5.207		0.9090	1.06E-02	1579.4848	581.9937	2161.4785		
	8/3/2008 20:00	295	216	2000	5.673	5.673		0.7522	8.38E-03	1251.0630	460.9799	1712.0429		
	8/3/2008 21:00	296	216	2100	6.86	6.86		0.4490	4.44E-03	662.8766	244.2505	907.1271		
	8/3/2008 22:00	297	216	2200	7.651	7.651		0.2992	2.69E-03	402.1690	148.1874	550.3564		
	8/3/2008 23:00	298	216	2300	7.807	7.807		0.2732	2.41E-03	359.6511	132.5209	492.1720		
	8/4/2008 0:00	299	217	0	7.889	7.889	8.64	0.2600	2.27E-03	338.3276	124.6638	462.9914		
	8/4/2008 1:00	300	217	100	7.913	7.913		0.2562	2.23E-03	332.2161	122.4119	454.6280		
	8/4/2008 2:00	301	217	200	7.545	7.545		0.3174	2.90E-03	432.5819	159.3937	591.9755		
	8/4/2008 3:00	302	217	300	7.323	7.323		0.3574	3.35E-03	500.5252	184.4288	684.9540		
	8/4/2008 4:00	303	217	400	7.057	7.057		0.4085	3.95E-03	590.1455	217.4513	807.5968		
	8/4/2008 5:00	304	217	500	7.12	7.12		0.3961	3.81E-03	568.0617	209.3140	777.3757		
	8/4/2008 6:00	305	217	600	7.501	7.501		0.3252	2.98E-03	445.5821	164.1839	609.7660		
	8/4/2008 7:00	306	217	700	7.653	7.653		0.2988	2.69E-03	401.6072	147.9805	549.5877		
	8/4/2008 8:00	307	217	800	7.436	7.436		0.3367	3.12E-03	465.2023	171.4133	636.6156		
	8/4/2008 9:00	308	217	900	6.957	6.957		0.4288	4.20E-03	626.3519	230.7922	857.1441		
	8/4/2008 10:00	309	217	1000	5.811	5.811		0.7105	7.81E-03	1166.4173	429.7904	1596.2078		
	8/4/2008 11:00	310	217	1100	5.224	5.224		0.9028	1.05E-02	1566.2071	577.1012	2143.3083		
	8/4/2008 12:00	311	217	1200	5.079	5.079		0.9571	1.13E-02	1683.0150	620.1415	2303.1565		
	8/4/2008 13:00	312	217	1300	5.076	5.076		0.9582	1.13E-02	1685.5192	621.0642	2306.5834		
	8/4/2008 14:00	313	217	1400	5.434	5.434		0.8292	9.45E-03	1410.6732	519.7916	1930.4648		
	8/4/2008 15:00	314	217	1500	5.831	5.831		0.7047	7.73E-03	1154.5726	425.4260	1579.9986		
	8/4/2008 16:00	315	217	1600	5.054	5.054		0.9668	1.14E-02	1703.9956	627.8722	2331.8678		
	8/4/2008 17:00	316	217	1700	5.063	5.063		0.9633	1.14E-02	1696.4131	625.0783	2321.4914		
	8/4/2008 18:00	317	217	1800	5.044	5.044		0.9707	1.15E-02	1712.4598	630.9910	2343.4508		
	8/4/2008 19:00	318	217	1900	5.505	5.505		0.8056	9.12E-03	1361.4306	501.6471	1863.0778		
	8/4/2008 20:00	319	217	2000	6.2	6.2		0.6032	6.39E-03	953.4820	351.3301	1304.8121		
	8/4/2008 21:00	320	217	2100	7.911	7.911		0.2565	2.23E-03	332.7232	122.5987	455.3219		
	8/4/2008 22:00	321	217	2200	8.52	8.52		0.1667	1.31E-03	195.7211	72.1174	267.8385		
	8/4/2008 23:00	322	217	2300	8.64	8.64		0.1505	1.16E-03	172.5669	63.5858	236.1528		
	8/5/2008 0:00	323	218	0	8.78	8.78	8.88	0.1321	9.85E-04	147.0442	54.1814	201.2256		
	8/5/2008 1:00	324	218	100	8.86	8.86		0.1219	8.92E-04	133.1666	49.0680	182.2346		
	8/5/2008 2:00	325	218	200	8.88	8.88		0.1194	8.69E-04	129.7767	47.8189	177.5957		
	8/5/2008 3:00	326	218	300	8.82	8.82		0.1270	9.38E-04	140.0417	51.6012	191.6429		
	8/5/2008 4:00	327	218	400	8.72	8.72		0.1399	1.06E-03	157.7883	58.1404	215.9287		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.73	8.73		0.1386	1.04E-03	155.9775	57.4731	213.4506		
	8/5/2008 6:00	329	218	600	8.81	8.81		0.1283	9.50E-04	141.7803	52.2419	194.0222		
	8/5/2008 7:00	330	218	700	8.83	8.83		0.1257	9.27E-04	138.3110	50.9635	189.2745		
	8/5/2008 8:00	331	218	800	8.69	8.69		0.1438	1.09E-03	163.2693	60.1599	223.4293		
	8/5/2008 9:00	332	218	900	7.236	7.236		0.3737	3.54E-03	528.8095	194.8507	723.6602		
	8/5/2008 10:00	333	218	1000	5.677	5.677		0.7509	8.36E-03	1248.5357	460.0486	1708.5843		
	8/5/2008 11:00	334	218	1100	5.772	5.772		0.7221	7.97E-03	1189.8167	438.4124	1628.2291		
	8/5/2008 12:00	335	218	1200	5.443	5.443		0.8262	9.41E-03	1404.3418	517.4586	1921.8004		
	8/5/2008 13:00	336	218	1300	5.07	5.07		0.9606	1.13E-02	1690.5386	622.9137	2313.4523		
	8/5/2008 14:00	337	218	1400	5.691	5.691		0.7466	8.30E-03	1239.7255	456.8024	1696.5279		
	8/5/2008 15:00	338	218	1500	6.095	6.095		0.6308	6.75E-03	1007.5033	371.2353	1378.7387		
	8/5/2008 16:00	339	218	1600	5.897	5.897		0.6856	7.48E-03	1116.2131	411.2917	1527.5048		
	8/5/2008 17:00	340	218	1700	5.351	5.351		0.8576	9.85E-03	1470.3247	541.7714	2012.0960		
	8/5/2008 18:00	341	218	1800	5.176	5.176		0.9204	1.07E-02	1603.9766	591.0182	2194.9947		
	8/5/2008 19:00	342	218	1900	5.294	5.294		0.8776	1.01E-02	1512.6492	557.3667	2070.0158		
	8/5/2008 20:00	343	218	2000	6.171	6.171		0.6108	6.49E-03	968.1629	356.7395	1324.9024		
	8/5/2008 21:00	344	218	2100	8.05	8.05		0.2348	2.00E-03	298.4224	109.9599	408.3823		
	8/5/2008 22:00	345	218	2200	8.69	8.69		0.1438	1.09E-03	163.2693	60.1599	223.4293		
	8/5/2008 23:00	346	218	2300	8.76	8.76		0.1347	1.01E-03	150.5934	55.4892	206.0826		
	8/6/2008 0:00	347	219	0	8.73	8.73	8.73	0.1386	1.04E-03	155.9775	57.4731	213.4506		
	8/6/2008 1:00	348	219	100	8.65	8.65		0.1491	1.14E-03	170.6911	62.8946	233.5857		
	8/6/2008 2:00	349	219	200	8.59	8.59		0.1572	1.22E-03	182.0694	67.0872	249.1566		
	8/6/2008 3:00	350	219	300	8.51	8.51		0.1680	1.32E-03	197.7048	72.8484	270.5531		
	8/6/2008 4:00	351	219	400	8.43	8.43		0.1791	1.43E-03	213.8792	78.8082	292.6874		
	8/6/2008 5:00	352	219	500	8.36	8.36		0.1890	1.53E-03	228.4824	84.1890	312.6714		
	8/6/2008 6:00	353	219	600	8.29	8.29		0.1990	1.63E-03	243.5139	89.7277	333.2417		
	8/6/2008 7:00	354	219	700	8.23	8.23		0.2078	1.72E-03	256.7454	94.6031	351.3486		
	8/6/2008 8:00	355	219	800	8.19	8.19		0.2137	1.78E-03	265.7474	97.9201	363.6675		
	8/6/2008 9:00	356	219	900	8.08	8.08		0.2302	1.95E-03	291.2653	107.3227	398.5880		
	8/6/2008 10:00	357	219	1000	5.655	5.655		0.7577	8.46E-03	1262.4921	465.1912	1727.6832		
	8/6/2008 11:00	358	219	1100	4.687	4.687		1.1208	1.37E-02	2044.0502	753.1723	2797.2225		
	8/6/2008 12:00	359	219	1200	5.197	5.197		0.9126	1.06E-02	1587.3458	584.8902	2172.2360		
	8/6/2008 13:00	360	219	1300	5.8	5.8		0.7138	7.86E-03	1172.9765	432.2073	1605.1838		
	8/6/2008 14:00	361	219	1400	5.276	5.276		0.8840	1.02E-02	1526.2522	562.3790	2088.6312		
	8/6/2008 15:00	362	219	1500	4.672	4.672		1.1276	1.38E-02	2059.3477	758.8090	2818.1567		
	8/6/2008 16:00	363	219	1600	4.95	4.95		1.0081	1.20E-02	1794.0912	661.0698	2455.1609		
	8/6/2008 17:00	364	219	1700	4.85	4.85		1.0495	1.26E-02	1885.2252	694.6500	2579.8752		
	8/6/2008 18:00	365	219	1800	5.406	5.406		0.8387	9.58E-03	1430.5402	527.1120	1957.6522		
	8/6/2008 19:00	366	219	1900	5.418	5.418		0.8346	9.53E-03	1421.9943	523.9630	1945.9573		
	8/6/2008 20:00	367	219	2000	5.717	5.717		0.7387	8.20E-03	1223.5092	450.8271	1674.3363		
	8/6/2008 21:00	368	219	2100	7.467	7.467		0.3312	3.05E-03	455.7826	167.9425	623.7250		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.5	8.5		0.1694	1.34E-03	199.6969	73.5824	273.2793		
	8/6/2008 23:00	370	219	2300	8.64	8.64		0.1505	1.16E-03	172.5669	63.5858	236.1528		
	8/7/2008 0:00	371	220	0	8.65	8.65	8.65	0.1491	1.14E-03	170.6911	62.8946	233.5857		
	8/7/2008 1:00	372	220	100	8.58	8.58		0.1585	1.23E-03	183.9947	67.7966	251.7913		
	8/7/2008 2:00	373	220	200	8.48	8.48		0.1722	1.36E-03	203.7065	75.0598	278.7663		
	8/7/2008 3:00	374	220	300	8.38	8.38		0.1862	1.50E-03	224.2667	82.6357	306.9023		
	8/7/2008 4:00	375	220	400	8.23	8.23		0.2078	1.72E-03	256.7454	94.6031	351.3486		
	8/7/2008 5:00	376	220	500	8.15	8.15		0.2196	1.84E-03	274.8962	101.2912	376.1874		
	8/7/2008 6:00	377	220	600	8.09	8.09		0.2287	1.94E-03	288.8986	106.4506	395.3493		
	8/7/2008 7:00	378	220	700	8.04	8.04		0.2363	2.02E-03	300.8273	110.8460	411.6733		
	8/7/2008 8:00	379	220	800	7.998	7.998		0.2428	2.08E-03	311.0330	114.6065	425.6395		
	8/7/2008 9:00	380	220	900	7.194	7.194		0.3817	3.64E-03	542.8146	200.0112	742.8257		
	8/7/2008 10:00	381	220	1000	5.039	5.039		0.9726	1.15E-02	1716.7075	632.5562	2349.2636		
	8/7/2008 11:00	382	220	1100	4.435	4.435		1.2413	1.55E-02	2317.8640	854.0647	3171.9286		
	8/7/2008 12:00	383	220	1200	4.484	4.484		1.2168	1.52E-02	2261.6933	833.3674	3095.0607		
	8/7/2008 13:00	384	220	1300	4.545	4.545		1.1870	1.47E-02	2193.8099	808.3544	3002.1643		
	8/7/2008 14:00	385	220	1400	4.543	4.543		1.1880	1.47E-02	2196.0006	809.1616	3005.1622		
	8/7/2008 15:00	386	220	1500	4.446	4.446		1.2357	1.54E-02	2305.1239	849.3703	3154.4941		
	8/7/2008 16:00	387	220	1600	4.503	4.503		1.2074	1.50E-02	2240.3103	825.4884	3065.7987		
	8/7/2008 17:00	388	220	1700	4.611	4.611		1.1557	1.42E-02	2122.8085	782.1925	2905.0010		
	8/7/2008 18:00	389	220	1800	4.599	4.599		1.1613	1.43E-02	2135.5339	786.8814	2922.4153		
	8/7/2008 19:00	390	220	1900	5.085	5.085		0.9548	1.12E-02	1678.0176	618.3001	2296.3177		
	8/7/2008 20:00	391	220	2000	5.724	5.724		0.7365	8.17E-03	1219.1752	449.2302	1668.4054		
	8/7/2008 21:00	392	220	2100	7.447	7.447		0.3348	3.09E-03	461.8467	170.1769	632.0236		
	8/7/2008 22:00	393	220	2200	8.23	8.23		0.2078	1.72E-03	256.7454	94.6031	351.3486		
	8/7/2008 23:00	394	220	2300	8.52	8.52		0.1667	1.31E-03	195.7211	72.1174	267.8385		
	8/8/2008 0:00	395	221	0	8.64	8.64	8.70	0.1505	1.16E-03	172.5669	63.5858	236.1528		
	8/8/2008 1:00	396	221	100	8.62	8.62		0.1531	1.18E-03	176.3432	64.9773	241.3205		
	8/8/2008 2:00	397	221	200	8.7	8.7		0.1425	1.08E-03	161.4342	59.4838	220.9180		
	8/8/2008 3:00	398	221	300	8.64	8.64		0.1505	1.16E-03	172.5669	63.5858	236.1528		
	8/8/2008 4:00	399	221	400	8.56	8.56		0.1612	1.26E-03	187.8701	69.2246	257.0947		
	8/8/2008 5:00	400	221	500	8.47	8.47		0.1736	1.38E-03	205.7240	75.8032	281.5272		
	8/8/2008 6:00	401	221	600	8.38	8.38		0.1862	1.50E-03	224.2667	82.6357	306.9023		
	8/8/2008 7:00	402	221	700	8.31	8.31		0.1961	1.60E-03	239.1750	88.1290	327.3040		
	8/8/2008 8:00	403	221	800	8.16	8.16		0.2181	1.83E-03	272.5952	100.4433	373.0385		
	8/8/2008 9:00	404	221	900	6.277	6.277		0.5836	6.13E-03	915.3604	337.2834	1252.6437		
	8/8/2008 10:00	405	221	1000	4.995	4.995		0.9900	1.18E-02	1754.5399	646.4963	2401.0362		
	8/8/2008 11:00	406	221	1100	4.749	4.749		1.0931	1.33E-02	1982.0677	730.3336	2712.4013		
	8/8/2008 12:00	407	221	1200	4.689	4.689		1.1199	1.37E-02	2042.0195	752.4241	2794.4436		
	8/8/2008 13:00	408	221	1300	4.711	4.711		1.1100	1.35E-02	2019.8208	744.2445	2764.0654		
	8/8/2008 14:00	409	221	1400	4.671	4.671		1.1280	1.38E-02	2060.3718	759.1864	2819.5582		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	4.565	4.565		1.1774	1.46E-02	2172.0310	800.3295	2972.3605		
	8/8/2008 16:00	411	221	1600	4.636	4.636		1.1441	1.40E-02	2096.5542	772.5185	2869.0728		
	8/8/2008 17:00	412	221	1700	4.803	4.803		1.0695	1.29E-02	1929.6708	711.0269	2640.6976		
	8/8/2008 18:00	413	221	1800	4.988	4.988		0.9928	1.18E-02	1760.6346	648.7420	2409.3767		
	8/8/2008 19:00	414	221	1900	5.114	5.114		0.9437	1.11E-02	1654.0677	609.4752	2263.5429		
	8/8/2008 20:00	415	221	2000	5.912	5.912		0.6813	7.42E-03	1107.6480	408.1357	1515.7837		
	8/8/2008 21:00	416	221	2100	7.431	7.431		0.3376	3.13E-03	466.7323	171.9771	638.7094		
	8/8/2008 22:00	417	221	2200	7.983	7.983		0.2451	2.11E-03	314.7194	115.9648	430.6843		
	8/8/2008 23:00	418	221	2300	8.12	8.12		0.2241	1.89E-03	281.8553	103.8554	385.7106		
	8/9/2008 0:00	419	222	0	8.28	8.28	8.64	0.2005	1.65E-03	245.6968	90.5320	336.2288		
	8/9/2008 1:00	420	222	100	8.35	8.35		0.1904	1.54E-03	230.6033	84.9705	315.5738		
	8/9/2008 2:00	421	222	200	8.45	8.45		0.1763	1.41E-03	209.7845	77.2994	287.0839		
	8/9/2008 3:00	422	222	300	8.47	8.47		0.1736	1.38E-03	205.7240	75.8032	281.5272		
	8/9/2008 4:00	423	222	400	8.43	8.43		0.1791	1.43E-03	213.8792	78.8082	292.6874		
	8/9/2008 5:00	424	222	500	8.33	8.33		0.1933	1.57E-03	234.8715	86.5432	321.4148		
	8/9/2008 6:00	425	222	600	8.29	8.29		0.1990	1.63E-03	243.5139	89.7277	333.2417		
	8/9/2008 7:00	426	222	700	7.957	7.957		0.2492	2.15E-03	321.1615	118.3386	439.5001		
	8/9/2008 8:00	427	222	800	7.288	7.288		0.3639	3.43E-03	511.7877	188.5787	700.3664		
	8/9/2008 9:00	428	222	900	7.755	7.755		0.2818	2.50E-03	373.5350	137.6366	511.1716		
	8/9/2008 10:00	429	222	1000	7.406	7.406		0.3422	3.18E-03	474.4278	174.8127	649.2405		
	8/9/2008 11:00	430	222	1100	6.636	6.636		0.4979	5.04E-03	752.8583	277.4061	1030.2645		
	8/9/2008 12:00	431	222	1200	5.768	5.768		0.7233	7.99E-03	1192.2394	439.3051	1631.5446		
	8/9/2008 13:00	432	222	1300	5.411	5.411		0.8370	9.56E-03	1426.9736	525.7978	1952.7714		
	8/9/2008 14:00	433	222	1400	4.866	4.866		1.0427	1.25E-02	1870.3345	689.1632	2559.4978		
	8/9/2008 15:00	434	222	1500	4.686	4.686		1.1212	1.37E-02	2045.0663	753.5467	2798.6131		
	8/9/2008 16:00	435	222	1600	4.739	4.739		1.0975	1.33E-02	1991.9311	733.9680	2725.8991		
	8/9/2008 17:00	436	222	1700	5.074	5.074		0.9590	1.13E-02	1687.1907	621.6801	2308.8708		
	8/9/2008 18:00	437	222	1800	4.805	4.805		1.0687	1.29E-02	1927.7578	710.3220	2638.0798		
	8/9/2008 19:00	438	222	1900	5.333	5.333		0.8639	9.94E-03	1483.5683	546.6512	2030.2195		
	8/9/2008 20:00	439	222	2000	5.995	5.995		0.6580	7.11E-03	1061.2486	391.0389	1452.2874		
	8/9/2008 21:00	440	222	2100	7.838	7.838		0.2682	2.35E-03	351.5086	129.5206	481.0291		
	8/9/2008 22:00	441	222	2200	8.62	8.62		0.1531	1.18E-03	176.3432	64.9773	241.3205		
	8/9/2008 23:00	442	222	2300	8.64	8.64		0.1505	1.16E-03	172.5669	63.5858	236.1528		
	8/10/2008 0:00	443	223	0	8.59	8.59	8.59	0.1572	1.22E-03	182.0694	67.0872	249.1566		
	8/10/2008 1:00	444	223	100	8.54	8.54		0.1639	1.28E-03	191.7788	70.6649	262.4437		
	8/10/2008 2:00	445	223	200	8.45	8.45		0.1763	1.41E-03	209.7845	77.2994	287.0839		
	8/10/2008 3:00	446	223	300	8.38	8.38		0.1862	1.50E-03	224.2667	82.6357	306.9023		
	8/10/2008 4:00	447	223	400	8.32	8.32		0.1947	1.59E-03	237.0189	87.3345	324.3533		
	8/10/2008 5:00	448	223	500	8.2	8.2		0.2122	1.77E-03	263.4832	97.0858	360.5691		
	8/10/2008 6:00	449	223	600	8.14	8.14		0.2211	1.86E-03	277.2066	102.1425	379.3491		
	8/10/2008 7:00	450	223	700	8.1	8.1		0.2272	1.92E-03	286.5414	105.5821	392.1235		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	8.06	8.06		0.2333	1.98E-03	296.0272	109.0773	405.1045		
	8/10/2008 9:00	452	223	900	7.148	7.148		0.3906	3.74E-03	558.4219	205.7620	764.1839		
	8/10/2008 10:00	453	223	1000	5.189	5.189		0.9156	1.07E-02	1593.6616	587.2174	2180.8790		
	8/10/2008 11:00	454	223	1100	4.584	4.584		1.1684	1.44E-02	2151.5545	792.7845	2944.3391		
	8/10/2008 12:00	455	223	1200	4.648	4.648		1.1386	1.40E-02	2084.0741	767.9200	2851.9941		
	8/10/2008 13:00	456	223	1300	4.7	4.7		1.1149	1.36E-02	2030.8885	748.3226	2779.2112		
	8/10/2008 14:00	457	223	1400	4.685	4.685		1.1217	1.37E-02	2046.0830	753.9214	2800.0043		
	8/10/2008 15:00	458	223	1500	4.742	4.742		1.0962	1.33E-02	1988.9667	732.8757	2721.8424		
	8/10/2008 16:00	459	223	1600	4.646	4.646		1.1395	1.40E-02	2086.1487	768.6844	2854.8331		
	8/10/2008 17:00	460	223	1700	5.044	5.044		0.9707	1.15E-02	1712.4598	630.9910	2343.4508		
	8/10/2008 18:00	461	223	1800	7.675	7.675		0.2951	2.65E-03	395.4569	145.7142	541.1712		
	8/10/2008 19:00	462	223	1900	8.28	8.28		0.2005	1.65E-03	245.6968	90.5320	336.2288		
	8/10/2008 20:00	463	223	2000	8.08	8.08		0.2302	1.95E-03	291.2653	107.3227	398.5880		
	8/10/2008 21:00	464	223	2100	8.09	8.09		0.2287	1.94E-03	288.8986	106.4506	395.3493		
	8/10/2008 22:00	465	223	2200	8.28	8.28		0.2005	1.65E-03	245.6968	90.5320	336.2288		
	8/10/2008 23:00	466	223	2300	8.2	8.2		0.2122	1.77E-03	263.4832	97.0858	360.5691		
	8/11/2008 0:00	467	224	0	8.15	8.15	8.57	0.2196	1.84E-03	274.8962	101.2912	376.1874		
	8/11/2008 1:00	468	224	100	8.33	8.33		0.1933	1.57E-03	234.8715	86.5432	321.4148		
	8/11/2008 2:00	469	224	200	8.53	8.53		0.1653	1.30E-03	193.7458	71.3896	265.1354		
	8/11/2008 3:00	470	224	300	8.57	8.57		0.1599	1.25E-03	185.9282	68.5091	254.4373		
	8/11/2008 4:00	471	224	400	8.56	8.56		0.1612	1.26E-03	187.8701	69.2246	257.0947		
	8/11/2008 5:00	472	224	500	8.51	8.51		0.1680	1.32E-03	197.7048	72.8484	270.5531		
	8/11/2008 6:00	473	224	600	8.52	8.52		0.1667	1.31E-03	195.7211	72.1174	267.8385		
	8/11/2008 7:00	474	224	700	8.51	8.51		0.1680	1.32E-03	197.7048	72.8484	270.5531		
	8/11/2008 8:00	475	224	800	8.46	8.46		0.1749	1.39E-03	207.7500	76.5498	284.2997		
	8/11/2008 9:00	476	224	900	7.653	7.653		0.2988	2.69E-03	401.6072	147.9805	549.5877		
	8/11/2008 10:00	477	224	1000	5.719	5.719		0.7381	8.19E-03	1222.2696	450.3704	1672.6399		
	8/11/2008 11:00	478	224	1100	4.872	4.872		1.0402	1.25E-02	1864.7814	687.1171	2551.8985		
	8/11/2008 12:00	479	224	1200	4.909	4.909		1.0249	1.23E-02	1830.9049	674.6345	2505.5394		
	8/11/2008 13:00	480	224	1300	5.221	5.221		0.9038	1.05E-02	1568.5424	577.9617	2146.5041		
	8/11/2008 14:00	481	224	1400	4.931	4.931		1.0158	1.21E-02	1811.0576	667.3214	2478.3790		
	8/11/2008 15:00	482	224	1500	4.891	4.891		1.0323	1.24E-02	1847.3068	680.6782	2527.9849		
	8/11/2008 16:00	483	224	1600	5.202	5.202		0.9108	1.06E-02	1583.4106	583.4402	2166.8508		
	8/11/2008 17:00	484	224	1700	5.215	5.215		0.9060	1.05E-02	1573.2231	579.6864	2152.9095		
	8/11/2008 18:00	485	224	1800	5.572	5.572		0.7839	8.82E-03	1316.4064	485.0570	1801.4634		
	8/11/2008 19:00	486	224	1900	5.808	5.808		0.7114	7.83E-03	1168.2030	430.4484	1598.6515		
	8/11/2008 20:00	487	224	2000	6.419	6.419		0.5485	5.68E-03	848.1941	312.5346	1160.7287		
	8/11/2008 21:00	488	224	2100	7.469	7.469		0.3308	3.05E-03	455.1788	167.7200	622.8987		
	8/11/2008 22:00	489	224	2200	8.03	8.03		0.2379	2.03E-03	303.2417	111.7357	414.9774		
	8/11/2008 23:00	490	224	2300	8.26	8.26		0.2034	1.68E-03	250.0892	92.1505	342.2398		
	8/12/2008 0:00	491	225	0	8.38	8.38	8.42	0.1862	1.50E-03	224.2667	82.6357	306.9023		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	8.36	8.36		0.1890	1.53E-03	228.4824	84.1890	312.6714		
	8/12/2008 2:00	493	225	200	8.04	8.04		0.2363	2.02E-03	300.8273	110.8460	411.6733		
	8/12/2008 3:00	494	225	300	8.09	8.09		0.2287	1.94E-03	288.8986	106.4506	395.3493		
	8/12/2008 4:00	495	225	400	7.981	7.981		0.2455	2.11E-03	315.2126	116.1466	431.3592		
	8/12/2008 5:00	496	225	500	7.893	7.893		0.2593	2.26E-03	337.3050	124.2870	461.5920		
	8/12/2008 6:00	497	225	600	7.88	7.88		0.2614	2.28E-03	340.6344	125.5138	466.1482		
	8/12/2008 7:00	498	225	700	7.98	7.98		0.2456	2.11E-03	315.4593	116.2375	431.6968		
	8/12/2008 8:00	499	225	800	7.971	7.971		0.2470	2.13E-03	317.6844	117.0574	434.7418		
	8/12/2008 9:00	500	225	900	7.259	7.259		0.3693	3.49E-03	521.2376	192.0607	713.2984		
	8/12/2008 10:00	501	225	1000	5.635	5.635		0.7640	8.54E-03	1275.2997	469.9104	1745.2102		
	8/12/2008 11:00	502	225	1100	4.901	4.901		1.0282	1.23E-02	1838.1763	677.3139	2515.4902		
	8/12/2008 12:00	503	225	1200	4.747	4.747		1.0940	1.33E-02	1984.0363	731.0590	2715.0953		
	8/12/2008 13:00	504	225	1300	4.743	4.743		1.0957	1.33E-02	1987.9796	732.5120	2720.4916		
	8/12/2008 14:00	505	225	1400	4.724	4.724		1.1041	1.34E-02	2006.8219	739.4548	2746.2767		
	8/12/2008 15:00	506	225	1500	4.515	4.515		1.2016	1.49E-02	2226.9175	820.5535	3047.4710		
	8/12/2008 16:00	507	225	1600	4.571	4.571		1.1746	1.45E-02	2165.5424	797.9387	2963.4811		
	8/12/2008 17:00	508	225	1700	4.805	4.805		1.0687	1.29E-02	1927.7578	710.3220	2638.0798		
	8/12/2008 18:00	509	225	1800	4.639	4.639		1.1427	1.40E-02	2093.4268	771.3662	2864.7930		
	8/12/2008 19:00	510	225	1900	5.16	5.16		0.9264	1.08E-02	1616.7605	595.7287	2212.4892		
	8/12/2008 20:00	511	225	2000	5.855	5.855		0.6977	7.64E-03	1140.4954	420.2390	1560.7344		
	8/12/2008 21:00	512	225	2100	7.724	7.724		0.2869	2.56E-03	381.9480	140.7366	522.6846		
	8/12/2008 22:00	513	225	2200	8.38	8.38		0.1862	1.50E-03	224.2667	82.6357	306.9023		
	8/12/2008 23:00	514	225	2300	8.42	8.42		0.1805	1.45E-03	215.9395	79.5673	295.5068		
	8/13/2008 0:00	515	226	0	8.36	8.36	8.36	0.1890	1.53E-03	228.4824	84.1890	312.6714		
	8/13/2008 1:00	516	226	100	8.31	8.31		0.1961	1.60E-03	239.1750	88.1290	327.3040		
	8/13/2008 2:00	517	226	200	8.26	8.26		0.2034	1.68E-03	250.0892	92.1505	342.2398		
	8/13/2008 3:00	518	226	300	8.27	8.27		0.2019	1.66E-03	247.8885	91.3396	339.2282		
	8/13/2008 4:00	519	226	400	8.2	8.2		0.2122	1.77E-03	263.4832	97.0858	360.5691		
	8/13/2008 5:00	520	226	500	8.18	8.18		0.2152	1.80E-03	268.0208	98.7578	366.7786		
	8/13/2008 6:00	521	226	600	8.19	8.19		0.2137	1.78E-03	265.7474	97.9201	363.6675		
	8/13/2008 7:00	522	226	700	8.14	8.14		0.2211	1.86E-03	277.2066	102.1425	379.3491		
	8/13/2008 8:00	523	226	800	8.02	8.02		0.2394	2.05E-03	305.6658	112.6289	418.2947		
	8/13/2008 9:00	524	226	900	6.482	6.482		0.5335	5.49E-03	819.6369	302.0121	1121.6489		
	8/13/2008 10:00	525	226	1000	5.262	5.262		0.8890	1.03E-02	1536.9126	566.3071	2103.2197		
	8/13/2008 11:00	526	226	1100	4.946	4.946		1.0097	1.20E-02	1797.6497	662.3810	2460.0307		
	8/13/2008 12:00	527	226	1200	4.639	4.639		1.1427	1.40E-02	2093.4268	771.3662	2864.7930		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.546	4.546	8.70	0.9138	1.06E-02	2334.3650	860.1448	3194.5097		
W504WN1	7/22/2008 14:00	1	204	1400	4.922	4.922		0.7676	8.59E-03	1883.4820	694.0077	2577.4897		
	7/22/2008 15:00	2	204	1500	4.885	4.885		0.7810	8.78E-03	1924.0034	708.9386	2632.9420		
Probe #	7/22/2008 16:00	3	204	1600	4.915	4.915		0.7701	8.63E-03	1891.0890	696.8107	2587.8997		
	7/22/2008 17:00	4	204	1700	5.007	5.007		0.7376	8.18E-03	1793.2558	660.7620	2454.0178		
10	7/22/2008 18:00	5	204	1800	5.026	5.026		0.7310	8.09E-03	1773.6166	653.5255	2427.1421		
	7/22/2008 19:00	6	204	1900	5.247	5.247		0.6581	7.11E-03	1558.4318	574.2362	2132.6680		
	7/22/2008 20:00	7	204	2000	5.635	5.635		0.5439	5.62E-03	1232.6047	454.1786	1686.7833		
	7/22/2008 21:00	8	204	2100	6.873	6.873		0.2658	2.33E-03	510.5653	188.1283	698.6936		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.24	8.24		0.0558	3.41E-04	74.7699	27.5505	102.3204		
	7/22/2008 23:00	10	204	2300	8.7	8.7		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.7	7/23/2008 0:00	11	205	0	8.95	8.95	9.10	-0.0279	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.03	9.03		-0.0365	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.06	9.06		-0.0397	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.1	9.1		-0.0440	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.1	9.1		-0.0440	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.05	9.05		-0.0387	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	8.93	8.93		-0.0258	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	8.59	8.59		0.0128	5.57E-05	12.2064	4.4977	16.7041		
	7/23/2008 8:00	19	205	800	7.782	7.782		0.1180	8.57E-04	187.8038	69.2002	257.0040		
	7/23/2008 9:00	20	205	900	6.774	6.774		0.2843	2.53E-03	554.6510	204.3726	759.0235		
	7/23/2008 10:00	21	205	1000	5.926	5.926		0.4681	4.67E-03	1024.6435	377.5510	1402.1945		
	7/23/2008 11:00	22	205	1100	5.593	5.593		0.5555	5.77E-03	1265.0266	466.1251	1731.1516		
	7/23/2008 12:00	23	205	1200	5.328	5.328		0.6329	6.78E-03	1485.2767	547.2808	2032.5575		
	7/23/2008 13:00	24	205	1300	5.188	5.188		0.6769	7.36E-03	1613.5817	594.5574	2208.1391		
	7/23/2008 14:00	25	205	1400	5.161	5.161		0.6857	7.48E-03	1639.3622	604.0567	2243.4190		
	7/23/2008 15:00	26	205	1500	5.133	5.133		0.6949	7.60E-03	1666.4659	614.0436	2280.5095		
	7/23/2008 16:00	27	205	1600	5.289	5.289		0.6449	6.94E-03	1520.1375	560.1259	2080.2634		
	7/23/2008 17:00	28	205	1700	5.607	5.607		0.5516	5.72E-03	1254.1477	462.1165	1716.2643		
	7/23/2008 18:00	29	205	1800	6.101	6.101		0.4260	4.16E-03	912.3809	336.1855	1248.5665		
	7/23/2008 19:00	30	205	1900	6.324	6.324		0.3757	3.57E-03	781.6716	288.0230	1069.6945		
	7/23/2008 20:00	31	205	2000	6.717	6.717		0.2952	2.65E-03	580.9379	214.0585	794.9965		
	7/23/2008 21:00	32	205	2100	7.36	7.36		0.1821	1.46E-03	320.4186	118.0648	438.4835		
	7/23/2008 22:00	33	205	2200	8.1	8.1		0.0741	4.83E-04	105.9101	39.0248	144.9349		
	7/23/2008 23:00	34	205	2300	8.39	8.39		0.0369	2.05E-04	44.9877	16.5766	61.5643		
	7/24/2008 0:00	35	206	0	8.46	8.46	8.78	0.0284	1.48E-04	32.4957	11.9737	44.4694		
	7/24/2008 1:00	36	206	100	8.57	8.57		0.0152	6.86E-05	15.0364	5.5405	20.5768		
	7/24/2008 2:00	37	206	200	8.62	8.62		0.0093	3.75E-05	8.2124	3.0260	11.2385		
	7/24/2008 3:00	38	206	300	8.72	8.72		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 4:00	39	206	400	8.74	8.74		-0.0046	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 5:00	40	206	500	8.77	8.77		-0.0080	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	8.78	8.78		-0.0091	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	8.71	8.71		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	8.33	8.33		0.0444	2.57E-04	56.4314	20.7933	77.2247		
	7/24/2008 9:00	44	206	900	7.99	7.99		0.0889	6.05E-04	132.5081	48.8253	181.3334		
	7/24/2008 10:00	45	206	1000	8.08	8.08		0.0767	5.05E-04	110.6087	40.7560	151.3647		
	7/24/2008 11:00	46	206	1100	6.651	6.651		0.3081	2.79E-03	612.2272	225.5877	837.8150		
	7/24/2008 12:00	47	206	1200	5.563	5.563		0.5639	5.88E-03	1288.5826	474.8047	1763.3873		
	7/24/2008 13:00	48	206	1300	5.741	5.741		0.5154	5.26E-03	1153.5704	425.0567	1578.6272		
	7/24/2008 14:00	49	206	1400	5.61	5.61		0.5508	5.71E-03	1251.8259	461.2610	1713.0869		
	7/24/2008 15:00	50	206	1500	5.269	5.269		0.6512	7.02E-03	1538.2744	566.8089	2105.0833		
	7/24/2008 16:00	51	206	1600	5.185	5.185		0.6779	7.37E-03	1616.4292	595.6066	2212.0358		
	7/24/2008 17:00	52	206	1700	5.392	5.392		0.6135	6.52E-03	1429.4842	526.7229	1956.2070		
	7/24/2008 18:00	53	206	1800	5.256	5.256		0.6553	7.07E-03	1550.1593	571.1881	2121.3473		
	7/24/2008 19:00	54	206	1900	5.648	5.648		0.5404	5.58E-03	1222.6989	450.5286	1673.2275		
	7/24/2008 20:00	55	206	2000	6.32	6.32		0.3766	3.58E-03	783.9021	288.8449	1072.7470		
	7/24/2008 21:00	56	206	2100	7.563	7.563		0.1503	1.15E-03	253.1320	93.2717	346.4037		
	7/24/2008 22:00	57	206	2200	8.55	8.55		0.0175	8.20E-05	17.9844	6.6267	24.6111		
	7/24/2008 23:00	58	206	2300	8.77	8.77		-0.0080	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	8.8	8.8	8.80	-0.0114	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	8.77	8.77		-0.0080	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	8.72	8.72		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	8.66	8.66		0.0046	1.59E-05	3.4788	1.2818	4.7606		
	7/25/2008 4:00	63	207	400	8.63	8.63		0.0081	3.17E-05	6.9577	2.5637	9.5214		
	7/25/2008 5:00	64	207	500	8.64	8.64		0.0069	2.62E-05	5.7469	2.1176	7.8645		
	7/25/2008 6:00	65	207	600	8.68	8.68		0.0023	6.74E-06	1.4778	0.5445	2.0224		
	7/25/2008 7:00	66	207	700	8.68	8.68		0.0023	6.74E-06	1.4778	0.5445	2.0224		
	7/25/2008 8:00	67	207	800	8.69	8.69		0.0012	2.87E-06	0.6287	0.2317	0.8604		
	7/25/2008 9:00	68	207	900	8.68	8.68		0.0023	6.74E-06	1.4778	0.5445	2.0224		
	7/25/2008 10:00	69	207	1000	8.58	8.58		0.0140	6.21E-05	13.6059	5.0134	18.6193		
	7/25/2008 11:00	70	207	1100	7.749	7.749		0.1227	9.00E-04	197.1774	72.6541	269.8315		
	7/25/2008 12:00	71	207	1200	6.581	6.581		0.3220	2.95E-03	646.4400	238.1941	884.6341		
	7/25/2008 13:00	72	207	1300	5.927	5.927		0.4679	4.67E-03	1023.9761	377.3051	1401.2812		
	7/25/2008 14:00	73	207	1400	5.331	5.331		0.6320	6.76E-03	1482.6225	546.3028	2028.9253		
	7/25/2008 15:00	74	207	1500	5.2	5.2		0.6731	7.31E-03	1602.2341	590.3761	2192.6102		
	7/25/2008 16:00	75	207	1600	5.285	5.285		0.6462	6.95E-03	1523.7507	561.4573	2085.2079		
	7/25/2008 17:00	76	207	1700	5.096	5.096		0.7072	7.77E-03	1702.8680	627.4567	2330.3247		
	7/25/2008 18:00	77	207	1800	5.148	5.148		0.6900	7.54E-03	1651.8990	608.6762	2260.5752		
	7/25/2008 19:00	78	207	1900	5.266	5.266		0.6521	7.03E-03	1541.0104	567.8170	2108.8273		
	7/25/2008 20:00	79	207	2000	5.976	5.976		0.4558	4.52E-03	991.6464	365.3925	1357.0389		
	7/25/2008 21:00	80	207	2100	7.349	7.349		0.1838	1.48E-03	324.2561	119.4788	443.7349		
	7/25/2008 22:00	81	207	2200	8.39	8.39		0.0369	2.05E-04	44.9877	16.5766	61.5643		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	8.49	8.49		0.0247	1.25E-04	27.4502	10.1146	37.5647		
	7/26/2008 0:00	83	208	0	8.42	8.42	8.42	0.0333	1.80E-04	39.5158	14.5604	54.0762		
	7/26/2008 1:00	84	208	100	8.31	8.31		0.0469	2.75E-04	60.3879	22.2512	82.6391		
	7/26/2008 2:00	85	208	200	8.21	8.21		0.0597	3.70E-04	81.1808	29.9127	111.0935		
	7/26/2008 3:00	86	208	300	8.11	8.11		0.0727	4.73E-04	103.5840	38.1676	141.7516		
	7/26/2008 4:00	87	208	400	8.02	8.02		0.0848	5.71E-04	125.0714	46.0851	171.1566		
	7/26/2008 5:00	88	208	500	7.931	7.931		0.0970	6.73E-04	147.5302	54.3605	201.8907		
	7/26/2008 6:00	89	208	600	7.833	7.833		0.1107	7.92E-04	173.6418	63.9819	237.6237		
	7/26/2008 7:00	90	208	700	7.757	7.757		0.1216	8.89E-04	194.8898	71.8112	266.7010		
	7/26/2008 8:00	91	208	800	7.707	7.707		0.1288	9.55E-04	209.3471	77.1383	286.4854		
	7/26/2008 9:00	92	208	900	7.305	7.305		0.1910	1.55E-03	339.8073	125.2090	465.0163		
	7/26/2008 10:00	93	208	1000	5.378	5.378		0.6177	6.58E-03	1441.5412	531.1655	1972.7068		
	7/26/2008 11:00	94	208	1100	5.158	5.158		0.6867	7.49E-03	1642.2481	605.1201	2247.3682		
	7/26/2008 12:00	95	208	1200	5.377	5.377		0.6180	6.58E-03	1442.4056	531.4840	1973.8896		
	7/26/2008 13:00	96	208	1300	4.89	4.89		0.7791	8.75E-03	1918.4822	706.9042	2625.3864		
	7/26/2008 14:00	97	208	1400	4.797	4.797		0.8136	9.23E-03	2023.5606	745.6225	2769.1832		
	7/26/2008 15:00	98	208	1500	4.739	4.739		0.8358	9.54E-03	2091.7306	770.7412	2862.4718		
	7/26/2008 16:00	99	208	1600	4.856	4.856		0.7916	8.92E-03	1956.3097	720.8426	2677.1523		
	7/26/2008 17:00	100	208	1700	4.67	4.67		0.8630	9.93E-03	2175.6036	801.6459	2977.2495		
	7/26/2008 18:00	101	208	1800	4.813	4.813		0.8076	9.15E-03	2005.1179	738.8269	2743.9448		
	7/26/2008 19:00	102	208	1900	4.98	4.98		0.7470	8.31E-03	1821.4924	671.1663	2492.6588		
	7/26/2008 20:00	103	208	2000	5.486	5.486		0.5859	6.16E-03	1350.6036	497.6577	1848.2613		
	7/26/2008 21:00	104	208	2100	6.678	6.678		0.3028	2.73E-03	599.3151	220.8300	820.1450		
	7/26/2008 22:00	105	208	2200	7.658	7.658		0.1361	1.02E-03	223.8863	82.4955	306.3818		
	7/26/2008 23:00	106	208	2300	7.828	7.828		0.1114	7.98E-04	175.0129	64.4871	239.5000		
	7/27/2008 0:00	107	209	0	7.787	7.787	7.79	0.1172	8.50E-04	186.3980	68.6822	255.0801		
	7/27/2008 1:00	108	209	100	7.738	7.738		0.1243	9.14E-04	200.3387	73.8189	274.1576		
	7/27/2008 2:00	109	209	200	7.691	7.691		0.1312	9.77E-04	214.0541	78.8726	292.9267		
	7/27/2008 3:00	110	209	300	7.663	7.663		0.1353	1.01E-03	222.3858	81.9426	304.3284		
	7/27/2008 4:00	111	209	400	7.625	7.625		0.1410	1.07E-03	233.8864	86.1802	320.0666		
	7/27/2008 5:00	112	209	500	7.57	7.57		0.1493	1.14E-03	250.9290	92.4600	343.3890		
	7/27/2008 6:00	113	209	600	7.513	7.513		0.1580	1.23E-03	269.0921	99.1525	368.2446		
	7/27/2008 7:00	114	209	700	7.443	7.443		0.1689	1.33E-03	292.1045	107.6319	399.7364		
	7/27/2008 8:00	115	209	800	7.395	7.395		0.1765	1.41E-03	308.3415	113.6148	421.9563		
	7/27/2008 9:00	116	209	900	5.955	5.955		0.4610	4.59E-03	1005.4130	370.4651	1375.8781		
	7/27/2008 10:00	117	209	1000	4.596	4.596		0.8930	1.04E-02	2269.0642	836.0834	3105.1475		
	7/27/2008 11:00	118	209	1100	4.265	4.265		1.0399	1.25E-02	2736.9953	1008.5022	3745.4975		
	7/27/2008 12:00	119	209	1200	4.094	4.094		1.1251	1.38E-02	3015.6165	1111.1659	4126.7824		
	7/27/2008 13:00	120	209	1300	4.132	4.132		1.1055	1.35E-02	2951.2623	1087.4533	4038.7156		
	7/27/2008 14:00	121	209	1400	4.03	4.03		1.1588	1.43E-02	3127.3530	1152.3375	4279.6905		
	7/27/2008 15:00	122	209	1500	4.06	4.06		1.1429	1.40E-02	3074.4428	1132.8417	4207.2845		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.191	4.191		1.0759	1.30E-02	2854.1583	1051.6733	3905.8317		
	7/27/2008 17:00	124	209	1700	4.269	4.269		1.0379	1.25E-02	2730.8037	1006.2208	3737.0245		
	7/27/2008 18:00	125	209	1800	4.324	4.324		1.0120	1.21E-02	2647.0932	975.3759	3622.4691		
	7/27/2008 19:00	126	209	1900	4.571	4.571		0.9033	1.05E-02	2301.4925	848.0323	3149.5248		
	7/27/2008 20:00	127	209	2000	5.145	5.145		0.6910	7.55E-03	1654.8037	609.7465	2264.5502		
	7/27/2008 21:00	128	209	2100	6.166	6.166		0.4110	3.98E-03	872.9109	321.6420	1194.5529		
	7/27/2008 22:00	129	209	2200	6.899	6.899		0.2611	2.28E-03	499.3097	183.9809	683.2906		
	7/27/2008 23:00	130	209	2300	7.21	7.21		0.2067	1.71E-03	374.5004	137.9924	512.4928		
	7/28/2008 0:00	131	210	0	7.342	7.342	7.44	0.1850	1.49E-03	326.7085	120.3825	447.0910		
	7/28/2008 1:00	132	210	100	7.404	7.404		0.1750	1.39E-03	305.2685	112.4824	417.7509		
	7/28/2008 2:00	133	210	200	7.41	7.41		0.1741	1.38E-03	303.2271	111.7303	414.9574		
	7/28/2008 3:00	134	210	300	7.436	7.436		0.1700	1.34E-03	294.4491	108.4958	402.9449		
	7/28/2008 4:00	135	210	400	7.428	7.428		0.1712	1.36E-03	297.1383	109.4867	406.6250		
	7/28/2008 5:00	136	210	500	7.391	7.391		0.1771	1.41E-03	309.7115	114.1196	423.8311		
	7/28/2008 6:00	137	210	600	7.37	7.37		0.1805	1.45E-03	316.9474	116.7858	433.7332		
	7/28/2008 7:00	138	210	700	7.204	7.204		0.2077	1.72E-03	376.7436	138.8189	515.5625		
	7/28/2008 8:00	139	210	800	5.813	5.813		0.4966	5.03E-03	1102.0760	406.0826	1508.1585		
	7/28/2008 9:00	140	210	900	4.764	4.764		0.8262	9.41E-03	2062.0914	759.8200	2821.9114		
	7/28/2008 10:00	141	210	1000	4.207	4.207		1.0680	1.29E-02	2828.3979	1042.1814	3870.5792		
	7/28/2008 11:00	142	210	1100	4.017	4.017		1.1658	1.44E-02	3150.5793	1160.8957	4311.4750		
	7/28/2008 12:00	143	210	1200	3.938	3.938		1.2092	1.50E-02	3295.7379	1214.3824	4510.1204		
	7/28/2008 13:00	144	210	1300	4	4		1.1750	1.45E-02	3181.2291	1172.1893	4353.4184		
	7/28/2008 14:00	145	210	1400	3.987	3.987		1.1821	1.46E-02	3204.8814	1180.9045	4385.7859		
	7/28/2008 15:00	146	210	1500	3.96	3.96		1.1970	1.48E-02	3254.6081	1199.2273	4453.8353		
	7/28/2008 16:00	147	210	1600	4.119	4.119		1.1122	1.36E-02	2973.1153	1095.5055	4068.6208		
	7/28/2008 17:00	148	210	1700	4.165	4.165		1.0888	1.32E-02	2896.5358	1067.2882	3963.8240		
	7/28/2008 18:00	149	210	1800	4.272	4.272		1.0365	1.24E-02	2726.1694	1004.5132	3730.6826		
	7/28/2008 19:00	150	210	1900	4.676	4.676		0.8606	9.89E-03	2168.1872	798.9132	2967.1004		
	7/28/2008 20:00	151	210	2000	5.187	5.187		0.6773	7.37E-03	1614.5304	594.9069	2209.4374		
	7/28/2008 21:00	152	210	2100	6.479	6.479		0.3428	3.19E-03	698.2538	257.2860	955.5397		
	7/28/2008 22:00	153	210	2200	6.943	6.943		0.2531	2.19E-03	480.5602	177.0723	657.6325		
	7/28/2008 23:00	154	210	2300	7.187	7.187		0.2105	1.75E-03	383.1333	141.1733	524.3066		
	7/29/2008 0:00	155	211	0	7.334	7.334	7.42	0.1863	1.50E-03	329.5213	121.4189	450.9402		
	7/29/2008 1:00	156	211	100	7.404	7.404		0.1750	1.39E-03	305.2685	112.4824	417.7509		
	7/29/2008 2:00	157	211	200	7.42	7.42		0.1725	1.37E-03	299.8379	110.4815	410.3194		
	7/29/2008 3:00	158	211	300	7.42	7.42		0.1725	1.37E-03	299.8379	110.4815	410.3194		
	7/29/2008 4:00	159	211	400	7.4	7.4		0.1757	1.40E-03	306.6326	112.9851	419.6177		
	7/29/2008 5:00	160	211	500	7.357	7.357		0.1825	1.47E-03	321.4632	118.4497	439.9129		
	7/29/2008 6:00	161	211	600	7.337	7.337		0.1858	1.50E-03	328.4653	121.0298	449.4950		
	7/29/2008 7:00	162	211	700	7.314	7.314		0.1895	1.54E-03	336.6000	124.0272	460.6272		
	7/29/2008 8:00	163	211	800	6.823	6.823		0.2751	2.43E-03	532.5853	196.2420	728.8273		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.392	5.392		0.6135	6.52E-03	1429.4842	526.7229	1956.2070		
	7/29/2008 10:00	165	211	1000	4.428	4.428		0.9648	1.14E-02	2495.7658	919.6162	3415.3820		
	7/29/2008 11:00	166	211	1100	4.557	4.557		0.9092	1.06E-02	2319.8459	854.7949	3174.6408		
	7/29/2008 12:00	167	211	1200	4.04	4.04		1.1535	1.42E-02	3109.6101	1145.7998	4255.4099		
	7/29/2008 13:00	168	211	1300	4.001	4.001		1.1745	1.45E-02	3179.4174	1171.5217	4350.9391		
	7/29/2008 14:00	169	211	1400	3.926	3.926		1.2160	1.51E-02	3318.4079	1222.7356	4541.1436		
	7/29/2008 15:00	170	211	1500	4.102	4.102		1.1209	1.37E-02	3001.9474	1106.1293	4108.0767		
	7/29/2008 16:00	171	211	1600	4.255	4.255		1.0447	1.26E-02	2752.5367	1014.2287	3766.7654		
	7/29/2008 17:00	172	211	1700	4.432	4.432		0.9630	1.14E-02	2490.1201	917.5360	3407.6560		
	7/29/2008 18:00	173	211	1800	4.401	4.401		0.9768	1.16E-02	2534.2060	933.7803	3467.9864		
	7/29/2008 19:00	174	211	1900	4.432	4.432		0.9630	1.14E-02	2490.1201	917.5360	3407.6560		
	7/29/2008 20:00	175	211	2000	5.122	5.122		0.6986	7.65E-03	1677.2178	618.0054	2295.2232		
	7/29/2008 21:00	176	211	2100	6.247	6.247		0.3927	3.77E-03	825.3238	304.1075	1129.4314		
	7/29/2008 22:00	177	211	2200	7.031	7.031		0.2374	2.03E-03	444.1647	163.6616	607.8263		
	7/29/2008 23:00	178	211	2300	7.168	7.168		0.2137	1.78E-03	390.3345	143.8268	534.1613		
	7/30/2008 0:00	179	212	0	7.161	7.161	7.19	0.2149	1.79E-03	393.0036	144.8102	537.8138		
	7/30/2008 1:00	180	212	100	7.163	7.163		0.2146	1.79E-03	392.2401	144.5289	536.7690		
	7/30/2008 2:00	181	212	200	7.154	7.154		0.2161	1.81E-03	395.6813	145.7969	541.4781		
	7/30/2008 3:00	182	212	300	7.154	7.154		0.2161	1.81E-03	395.6813	145.7969	541.4781		
	7/30/2008 4:00	183	212	400	7.147	7.147		0.2173	1.82E-03	398.3676	146.7867	545.1543		
	7/30/2008 5:00	184	212	500	7.129	7.129		0.2204	1.85E-03	405.3153	149.3468	554.6620		
	7/30/2008 6:00	185	212	600	7.111	7.111		0.2235	1.88E-03	412.3207	151.9281	564.2488		
	7/30/2008 7:00	186	212	700	7.093	7.093		0.2266	1.91E-03	419.3843	154.5308	573.9151		
	7/30/2008 8:00	187	212	800	7.095	7.095		0.2262	1.91E-03	418.5966	154.2405	572.8371		
	7/30/2008 9:00	188	212	900	6.839	6.839		0.2721	2.40E-03	525.4849	193.6257	719.1106		
	7/30/2008 10:00	189	212	1000	4.677	4.677		0.8602	9.89E-03	2166.9535	798.4586	2965.4121		
	7/30/2008 11:00	190	212	1100	4.067	4.067		1.1392	1.40E-02	3062.2336	1128.3429	4190.5765		
	7/30/2008 12:00	191	212	1200	3.817	3.817		1.2793	1.61E-02	3532.2523	1301.5310	4833.7832		
	7/30/2008 13:00	192	212	1300	3.745	3.745		1.3231	1.68E-02	3681.7804	1356.6277	5038.4081		
	7/30/2008 14:00	193	212	1400	3.692	3.692		1.3564	1.73E-02	3796.3476	1398.8423	5195.1899		
	7/30/2008 15:00	194	212	1500	3.807	3.807		1.2853	1.62E-02	3552.6130	1309.0333	4861.6463		
	7/30/2008 16:00	195	212	1600	3.811	3.811		1.2829	1.62E-02	3544.4532	1306.0267	4850.4799		
	7/30/2008 17:00	196	212	1700	3.907	3.907		1.2268	1.53E-02	3354.6471	1236.0887	4590.7358		
	7/30/2008 18:00	197	212	1800	4.02	4.02		1.1642	1.43E-02	3145.2032	1158.9148	4304.1180		
	7/30/2008 19:00	198	212	1900	4.262	4.262		1.0413	1.25E-02	2741.6483	1010.2167	3751.8650		
	7/30/2008 20:00	199	212	2000	4.872	4.872		0.7857	8.84E-03	1938.4255	714.2527	2652.6782		
	7/30/2008 21:00	200	212	2100	6.123	6.123		0.4209	4.10E-03	898.8913	331.2150	1230.1063		
	7/30/2008 22:00	201	212	2200	6.982	6.982		0.2461	2.12E-03	464.2508	171.0628	635.3135		
	7/30/2008 23:00	202	212	2300	7.188	7.188		0.2104	1.75E-03	382.7560	141.0343	523.7904		
	7/31/2008 0:00	203	213	0	7.247	7.247	7.25	0.2005	1.65E-03	360.8049	132.9460	493.7510		
	7/31/2008 1:00	204	213	100	7.243	7.243		0.2012	1.65E-03	362.2742	133.4874	495.7616		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	7.235	7.235		0.2025	1.67E-03	365.2209	134.5731	499.7940		
	7/31/2008 3:00	206	213	300	7.236	7.236		0.2023	1.66E-03	364.8520	134.4372	499.2892		
	7/31/2008 4:00	207	213	400	7.222	7.222		0.2047	1.69E-03	370.0328	136.3462	506.3790		
	7/31/2008 5:00	208	213	500	7.196	7.196		0.2090	1.73E-03	379.7443	139.9246	519.6688		
	7/31/2008 6:00	209	213	600	7.179	7.179		0.2119	1.76E-03	386.1577	142.2877	528.4454		
	7/31/2008 7:00	210	213	700	7.162	7.162		0.2147	1.79E-03	392.6217	144.6696	537.2913		
	7/31/2008 8:00	211	213	800	7.172	7.172		0.2131	1.77E-03	388.8132	143.2662	532.0794		
	7/31/2008 9:00	212	213	900	6.485	6.485		0.3416	3.17E-03	695.1399	256.1386	951.2785		
	7/31/2008 10:00	213	213	1000	4.501	4.501		0.9329	1.09E-02	2394.6801	882.3691	3277.0493		
	7/31/2008 11:00	214	213	1100	4.067	4.067		1.1392	1.40E-02	3062.2336	1128.3429	4190.5765		
	7/31/2008 12:00	215	213	1200	3.723	3.723		1.3368	1.70E-02	3728.8608	1373.9754	5102.8362		
	7/31/2008 13:00	216	213	1300	3.846	3.846		1.2621	1.58E-02	3473.9273	1280.0400	4753.9673		
	7/31/2008 14:00	217	213	1400	3.626	3.626		1.3993	1.80E-02	3944.6559	1453.4896	5398.1456		
	7/31/2008 15:00	218	213	1500	3.623	3.623		1.4013	1.80E-02	3951.5514	1456.0304	5407.5817		
	7/31/2008 16:00	219	213	1600	3.76	3.76		1.3138	1.67E-02	3650.0597	1344.9396	4994.9993		
	7/31/2008 17:00	220	213	1700	3.814	3.814		1.2811	1.61E-02	3538.3470	1303.7767	4842.1237		
	7/31/2008 18:00	221	213	1800	3.873	3.873		1.2463	1.56E-02	3420.5711	1260.3798	4680.9508		
	7/31/2008 19:00	222	213	1900	4.331	4.331		1.0088	1.20E-02	2636.6263	971.5192	3608.1454		
	7/31/2008 20:00	223	213	2000	5.184	5.184		0.6782	7.38E-03	1617.3793	595.9567	2213.3360		
	7/31/2008 21:00	224	213	2100	5.992	5.992		0.4519	4.48E-03	981.2461	361.5603	1342.8064		
	7/31/2008 22:00	225	213	2200	6.795	6.795		0.2804	2.49E-03	545.1347	200.8661	746.0008		
	7/31/2008 23:00	226	213	2300	6.841	6.841		0.2717	2.39E-03	524.6009	193.3000	717.9009		
	8/1/2008 0:00	227	214	0	7.026	7.026	7.39	0.2383	2.04E-03	446.1938	164.4093	610.6031		
	8/1/2008 1:00	228	214	100	7.246	7.246		0.2007	1.65E-03	361.1720	133.0813	494.2532		
	8/1/2008 2:00	229	214	200	7.318	7.318		0.1888	1.53E-03	335.1789	123.5036	458.6825		
	8/1/2008 3:00	230	214	300	7.333	7.333		0.1864	1.50E-03	329.8736	121.5487	451.4224		
	8/1/2008 4:00	231	214	400	7.353	7.353		0.1832	1.47E-03	322.8583	118.9638	441.8221		
	8/1/2008 5:00	232	214	500	7.335	7.335		0.1861	1.50E-03	329.1691	121.2891	450.4582		
	8/1/2008 6:00	233	214	600	7.298	7.298		0.1921	1.56E-03	342.3113	126.1316	468.4429		
	8/1/2008 7:00	234	214	700	7.266	7.266		0.1974	1.61E-03	353.8635	130.3883	484.2517		
	8/1/2008 8:00	235	214	800	7.215	7.215		0.2058	1.70E-03	372.6359	137.3054	509.9412		
	8/1/2008 9:00	236	214	900	5.987	5.987		0.4531	4.49E-03	984.4880	362.7549	1347.2429		
	8/1/2008 10:00	237	214	1000	4.323	4.323		1.0125	1.21E-02	2648.5918	975.9281	3624.5200		
	8/1/2008 11:00	238	214	1100	4.006	4.006		1.1717	1.45E-02	3170.3755	1168.1900	4338.5655		
	8/1/2008 12:00	239	214	1200	3.861	3.861		1.2533	1.57E-02	3444.1737	1269.0766	4713.2503		
	8/1/2008 13:00	240	214	1300	3.764	3.764		1.3114	1.66E-02	3641.6522	1341.8417	4983.4939		
	8/1/2008 14:00	241	214	1400	3.733	3.733		1.3306	1.69E-02	3707.3779	1366.0596	5073.4375		
	8/1/2008 15:00	242	214	1500	3.747	3.747		1.3219	1.68E-02	3677.5333	1355.0628	5032.5961		
	8/1/2008 16:00	243	214	1600	3.897	3.897		1.2325	1.54E-02	3373.8922	1243.1800	4617.0721		
	8/1/2008 17:00	244	214	1700	3.992	3.992		1.1794	1.46E-02	3195.7622	1177.5443	4373.3066		
	8/1/2008 18:00	245	214	1800	4.052	4.052		1.1471	1.41E-02	3088.4591	1138.0063	4226.4653		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	4.293	4.293		1.0266	1.23E-02	2693.9515	992.6418	3686.5933		
	8/1/2008 20:00	247	214	2000	5.236	5.236		0.6616	7.16E-03	1568.5926	577.9802	2146.5728		
	8/1/2008 21:00	248	214	2100	6.71	6.71		0.2966	2.67E-03	584.2128	215.2652	799.4780		
	8/1/2008 22:00	249	214	2200	7.329	7.329		0.1871	1.51E-03	331.2847	122.0687	453.3534		
	8/1/2008 23:00	250	214	2300	7.388	7.388		0.1776	1.42E-03	310.7408	114.4988	425.2396		
	8/2/2008 0:00	251	215	0	7.381	7.381	7.44	0.1787	1.43E-03	313.1482	115.3859	428.5340		
	8/2/2008 1:00	252	215	100	7.422	7.422		0.1722	1.36E-03	299.1621	110.2324	409.3945		
	8/2/2008 2:00	253	215	200	7.438	7.438		0.1697	1.34E-03	293.7784	108.2487	402.0271		
	8/2/2008 3:00	254	215	300	7.439	7.439		0.1695	1.34E-03	293.4433	108.1252	401.5685		
	8/2/2008 4:00	255	215	400	7.409	7.409		0.1742	1.38E-03	303.5669	111.8555	415.4224		
	8/2/2008 5:00	256	215	500	7.379	7.379		0.1790	1.43E-03	313.8374	115.6399	429.4773		
	8/2/2008 6:00	257	215	600	7.359	7.359		0.1822	1.46E-03	320.7667	118.1931	438.9597		
	8/2/2008 7:00	258	215	700	7.216	7.216		0.2057	1.70E-03	372.2635	137.1681	509.4316		
	8/2/2008 8:00	259	215	800	6.148	6.148		0.4151	4.03E-03	883.7248	325.6266	1209.3514		
	8/2/2008 9:00	260	215	900	4.675	4.675		0.8610	9.90E-03	2169.4216	799.3680	2968.7897		
	8/2/2008 10:00	261	215	1000	4.24	4.24		1.0519	1.27E-02	2776.0173	1022.8807	3798.8980		
	8/2/2008 11:00	262	215	1100	4.046	4.046		1.1503	1.41E-02	3099.0155	1141.8960	4240.9115		
	8/2/2008 12:00	263	215	1200	3.864	3.864		1.2516	1.57E-02	3438.2564	1266.8963	4705.1527		
	8/2/2008 13:00	264	215	1300	3.823	3.823		1.2757	1.61E-02	3520.0974	1297.0523	4817.1497		
	8/2/2008 14:00	265	215	1400	3.84	3.84		1.2656	1.59E-02	3485.9074	1284.4543	4770.3616		
	8/2/2008 15:00	266	215	1500	3.857	3.857		1.2556	1.57E-02	3452.0807	1271.9901	4724.0708		
	8/2/2008 16:00	267	215	1600	3.947	3.947		1.2042	1.50E-02	3278.8449	1208.1579	4487.0028		
	8/2/2008 17:00	268	215	1700	4.01	4.01		1.1696	1.44E-02	3163.1616	1165.5319	4328.6935		
	8/2/2008 18:00	269	215	1800	4.086	4.086		1.1292	1.38E-02	3029.3508	1116.2266	4145.5773		
	8/2/2008 19:00	270	215	1900	4.371	4.371		0.9904	1.18E-02	2577.6057	949.7718	3527.3775		
	8/2/2008 20:00	271	215	2000	5.083	5.083		0.7116	7.83E-03	1715.8191	632.2288	2348.0479		
	8/2/2008 21:00	272	215	2100	6.113	6.113		0.4232	4.13E-03	905.0062	333.4682	1238.4744		
	8/2/2008 22:00	273	215	2200	7.033	7.033		0.2370	2.02E-03	443.3543	163.3630	606.7174		
	8/2/2008 23:00	274	215	2300	7.276	7.276		0.1957	1.60E-03	350.2347	129.0512	479.2859		
	8/3/2008 0:00	275	216	0	7.278	7.278	7.42	0.1954	1.59E-03	349.5110	128.7845	478.2956		
	8/3/2008 1:00	276	216	100	7.213	7.213		0.2062	1.70E-03	373.3812	137.5800	510.9612		
	8/3/2008 2:00	277	216	200	7.234	7.234		0.2027	1.67E-03	365.5900	134.7092	500.2992		
	8/3/2008 3:00	278	216	300	7.341	7.341		0.1851	1.49E-03	327.0595	120.5118	447.5713		
	8/3/2008 4:00	279	216	400	7.407	7.407		0.1746	1.39E-03	304.2471	112.1061	416.3531		
	8/3/2008 5:00	280	216	500	7.415	7.415		0.1733	1.38E-03	301.5305	111.1051	412.6356		
	8/3/2008 6:00	281	216	600	7.413	7.413		0.1736	1.38E-03	302.2087	111.3550	413.5637		
	8/3/2008 7:00	282	216	700	7.363	7.363		0.1816	1.46E-03	319.3755	117.6805	437.0560		
	8/3/2008 8:00	283	216	800	6.588	6.588		0.3206	2.93E-03	642.9702	236.9156	879.8858		
	8/3/2008 9:00	284	216	900	4.751	4.751		0.8312	9.48E-03	2077.4550	765.4810	2842.9360		
	8/3/2008 10:00	285	216	1000	4.001	4.001		1.1745	1.45E-02	3179.4174	1171.5217	4350.9391		
	8/3/2008 11:00	286	216	1100	3.788	3.788		1.2967	1.64E-02	3591.6557	1323.4194	4915.0751		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	3.758	3.758		1.3151	1.67E-02	3654.2715	1346.4915	5000.7630		
	8/3/2008 13:00	288	216	1300	3.78	3.78		1.3016	1.65E-02	3608.2363	1329.5289	4937.7651		
	8/3/2008 14:00	289	216	1400	3.803	3.803		1.2877	1.62E-02	3560.7935	1312.0476	4872.8410		
	8/3/2008 15:00	290	216	1500	3.862	3.862		1.2527	1.57E-02	3442.2001	1268.3494	4710.5495		
	8/3/2008 16:00	291	216	1600	3.967	3.967		1.1931	1.48E-02	3241.6371	1194.4479	4436.0850		
	8/3/2008 17:00	292	216	1700	4.047	4.047		1.1497	1.41E-02	3097.2534	1141.2467	4238.5002		
	8/3/2008 18:00	293	216	1800	4.139	4.139		1.1020	1.34E-02	2939.5646	1083.1430	4022.7077		
	8/3/2008 19:00	294	216	1900	4.371	4.371		0.9904	1.18E-02	2577.6057	949.7718	3527.3775		
	8/3/2008 20:00	295	216	2000	4.881	4.881		0.7824	8.80E-03	1928.4306	710.5699	2639.0005		
	8/3/2008 21:00	296	216	2100	5.708	5.708		0.5242	5.37E-03	1177.7559	433.9684	1611.7243		
	8/3/2008 22:00	297	216	2200	6.606	6.606		0.3170	2.89E-03	634.0978	233.6464	867.7442		
	8/3/2008 23:00	298	216	2300	6.944	6.944		0.2529	2.19E-03	480.1384	176.9169	657.0553		
	8/4/2008 0:00	299	217	0	7.013	7.013	7.42	0.2406	2.06E-03	451.4913	166.3613	617.8525		
	8/4/2008 1:00	300	217	100	7.025	7.025		0.2384	2.04E-03	446.6002	164.5590	611.1593		
	8/4/2008 2:00	301	217	200	6.763	6.763		0.2864	2.55E-03	559.6717	206.2225	765.8942		
	8/4/2008 3:00	302	217	300	6.531	6.531		0.3321	3.06E-03	671.5430	247.4438	918.9869		
	8/4/2008 4:00	303	217	400	6.272	6.272		0.3871	3.70E-03	810.9846	298.8240	1109.8086		
	8/4/2008 5:00	304	217	500	6.25	6.25		0.3920	3.76E-03	823.5946	303.4704	1127.0649		
	8/4/2008 6:00	305	217	600	6.488	6.488		0.3409	3.16E-03	693.5861	255.5661	949.1521		
	8/4/2008 7:00	306	217	700	6.387	6.387		0.3621	3.41E-03	747.0644	275.2712	1022.3356		
	8/4/2008 8:00	307	217	800	6.175	6.175		0.4089	3.96E-03	867.5370	319.6618	1187.1988		
	8/4/2008 9:00	308	217	900	5.805	5.805		0.4987	5.05E-03	1107.7128	408.1596	1515.8724		
	8/4/2008 10:00	309	217	1000	5.014	5.014		0.7351	8.15E-03	1785.9983	658.0878	2444.0861		
	8/4/2008 11:00	310	217	1100	4.45	4.45		0.9551	1.12E-02	2464.8695	908.2319	3373.1014		
	8/4/2008 12:00	311	217	1200	4.12	4.12		1.1117	1.36E-02	2971.4283	1094.8839	4066.3122		
	8/4/2008 13:00	312	217	1300	4.089	4.089		1.1277	1.38E-02	3024.1927	1114.3260	4138.5187		
	8/4/2008 14:00	313	217	1400	4.403	4.403		0.9759	1.15E-02	2531.3387	932.7238	3464.0624		
	8/4/2008 15:00	314	217	1500	4.712	4.712		0.8463	9.69E-03	2124.1844	782.6994	2906.8839		
	8/4/2008 16:00	315	217	1600	4.244	4.244		1.0500	1.26E-02	2769.7359	1020.5662	3790.3021		
	8/4/2008 17:00	316	217	1700	4.224	4.224		1.0597	1.28E-02	2801.2888	1032.1925	3833.4813		
	8/4/2008 18:00	317	217	1800	4.327	4.327		1.0106	1.21E-02	2642.6023	973.7211	3616.3234		
	8/4/2008 19:00	318	217	1900	4.633	4.633		0.8778	1.01E-02	2221.8685	818.6931	3040.5616		
	8/4/2008 20:00	319	217	2000	5.276	5.276		0.6490	6.99E-03	1531.9063	564.4624	2096.3686		
	8/4/2008 21:00	320	217	2100	6.529	6.529		0.3325	3.07E-03	672.5589	247.8182	920.3771		
	8/4/2008 22:00	321	217	2200	7.265	7.265		0.1975	1.62E-03	354.2273	130.5223	484.7496		
	8/4/2008 23:00	322	217	2300	7.423	7.423		0.1720	1.36E-03	298.8244	110.1080	408.9324		
	8/5/2008 0:00	323	218	0	7.503	7.503	7.55	0.1595	1.24E-03	272.3316	100.3462	372.6778		
	8/5/2008 1:00	324	218	100	7.539	7.539		0.1540	1.19E-03	260.7436	96.0763	356.8199		
	8/5/2008 2:00	325	218	200	7.554	7.554		0.1517	1.17E-03	255.9757	94.3195	350.2952		
	8/5/2008 3:00	326	218	300	7.508	7.508		0.1588	1.24E-03	270.7098	99.7486	370.4584		
	8/5/2008 4:00	327	218	400	7.446	7.446		0.1684	1.33E-03	291.1021	107.2626	398.3647		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	7.44	7.44		0.1694	1.34E-03	293.1083	108.0018	401.1101		
	8/5/2008 6:00	329	218	600	7.454	7.454		0.1672	1.32E-03	288.4362	106.2802	394.7164		
	8/5/2008 7:00	330	218	700	7.415	7.415		0.1733	1.38E-03	301.5305	111.1051	412.6356		
	8/5/2008 8:00	331	218	800	7.158	7.158		0.2154	1.80E-03	394.1501	145.2327	539.3828		
	8/5/2008 9:00	332	218	900	5.896	5.896		0.4756	4.77E-03	1044.8088	384.9813	1429.7901		
	8/5/2008 10:00	333	218	1000	4.686	4.686		0.8566	9.84E-03	2155.8794	794.3781	2950.2575		
	8/5/2008 11:00	334	218	1100	4.673	4.673		0.8618	9.91E-03	2171.8924	800.2784	2972.1709		
	8/5/2008 12:00	335	218	1200	4.371	4.371		0.9904	1.18E-02	2577.6057	949.7718	3527.3775		
	8/5/2008 13:00	336	218	1300	3.979	3.979		1.1865	1.47E-02	3219.5299	1186.3020	4405.8320		
	8/5/2008 14:00	337	218	1400	4.406	4.406		0.9746	1.15E-02	2527.0436	931.1412	3458.1848		
	8/5/2008 15:00	338	218	1500	4.756	4.756		0.8293	9.45E-03	2071.5335	763.2991	2834.8326		
	8/5/2008 16:00	339	218	1600	4.695	4.695		0.8530	9.79E-03	2144.8583	790.3172	2935.1755		
	8/5/2008 17:00	340	218	1700	4.319	4.319		1.0144	1.21E-02	2654.5951	978.1401	3632.7352		
	8/5/2008 18:00	341	218	1800	4.154	4.154		1.0944	1.33E-02	2914.6601	1073.9664	3988.6265		
	8/5/2008 19:00	342	218	1900	4.343	4.343		1.0032	1.19E-02	2618.7795	964.9432	3583.7227		
	8/5/2008 20:00	343	218	2000	5.345	5.345		0.6277	6.71E-03	1470.2873	541.7576	2012.0449		
	8/5/2008 21:00	344	218	2100	6.931	6.931		0.2552	2.22E-03	485.6367	178.9428	664.5796		
	8/5/2008 22:00	345	218	2200	7.352	7.352		0.1834	1.47E-03	323.2075	119.0924	442.2999		
	8/5/2008 23:00	346	218	2300	7.411	7.411		0.1739	1.38E-03	302.8875	111.6051	414.4926		
	8/6/2008 0:00	347	219	0	7.38	7.38	7.38	0.1789	1.43E-03	313.4927	115.5128	429.0056		
	8/6/2008 1:00	348	219	100	7.321	7.321		0.1884	1.52E-03	334.1148	123.1115	457.2263		
	8/6/2008 2:00	349	219	200	7.278	7.278		0.1954	1.59E-03	349.5110	128.7845	478.2956		
	8/6/2008 3:00	350	219	300	7.244	7.244		0.2010	1.65E-03	361.9066	133.3519	495.2586		
	8/6/2008 4:00	351	219	400	7.225	7.225		0.2042	1.68E-03	368.9198	135.9361	504.8558		
	8/6/2008 5:00	352	219	500	7.187	7.187		0.2105	1.75E-03	383.1333	141.1733	524.3066		
	8/6/2008 6:00	353	219	600	7.164	7.164		0.2144	1.79E-03	391.8586	144.3884	536.2470		
	8/6/2008 7:00	354	219	700	7.156	7.156		0.2158	1.80E-03	394.9153	145.5147	540.4300		
	8/6/2008 8:00	355	219	800	7.147	7.147		0.2173	1.82E-03	398.3676	146.7867	545.1543		
	8/6/2008 9:00	356	219	900	7.185	7.185		0.2109	1.75E-03	383.8883	141.4516	525.3399		
	8/6/2008 10:00	357	219	1000	4.971	4.971		0.7502	8.35E-03	1830.9913	674.6664	2505.6577		
	8/6/2008 11:00	358	219	1100	3.873	3.873		1.2463	1.56E-02	3420.5711	1260.3798	4680.9508		
	8/6/2008 12:00	359	219	1200	4.213	4.213		1.0650	1.29E-02	2818.7994	1038.6446	3857.4440		
	8/6/2008 13:00	360	219	1300	4.767	4.767		0.8250	9.39E-03	2058.5609	758.5191	2817.0801		
	8/6/2008 14:00	361	219	1400	4.364	4.364		0.9936	1.18E-02	2587.8381	953.5422	3541.3803		
	8/6/2008 15:00	362	219	1500	3.85	3.85		1.2597	1.58E-02	3465.9656	1277.1063	4743.0720		
	8/6/2008 16:00	363	219	1600	3.937	3.937		1.2098	1.50E-02	3297.6207	1215.0762	4512.6969		
	8/6/2008 17:00	364	219	1700	3.874	3.874		1.2457	1.56E-02	3418.6122	1259.6580	4678.2701		
	8/6/2008 18:00	365	219	1800	4.346	4.346		1.0018	1.19E-02	2614.3368	963.3062	3577.6430		
	8/6/2008 19:00	366	219	1900	4.471	4.471		0.9459	1.11E-02	2435.7279	897.4940	3333.2220		
	8/6/2008 20:00	367	219	2000	5.052	5.052		0.7221	7.97E-03	1747.0465	643.7352	2390.7817		
	8/6/2008 21:00	368	219	2100	6.333	6.333		0.3738	3.54E-03	776.6675	286.1791	1062.8466		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	7.122	7.122		0.2216	1.86E-03	408.0328	150.3481	558.3808		
	8/6/2008 23:00	370	219	2300	7.226	7.226		0.2040	1.68E-03	368.5491	135.7995	504.3486		
	8/7/2008 0:00	371	220	0	7.231	7.231	7.33	0.2032	1.67E-03	366.6984	135.1176	501.8159		
	8/7/2008 1:00	372	220	100	7.209	7.209		0.2068	1.71E-03	374.8739	138.1300	513.0038		
	8/7/2008 2:00	373	220	200	7.192	7.192		0.2097	1.74E-03	381.2488	140.4789	521.7277		
	8/7/2008 3:00	374	220	300	7.182	7.182		0.2114	1.76E-03	385.0222	141.8694	526.8916		
	8/7/2008 4:00	375	220	400	7.155	7.155		0.2159	1.80E-03	395.2982	145.6557	540.9539		
	8/7/2008 5:00	376	220	500	7.145	7.145		0.2176	1.82E-03	399.1367	147.0701	546.2069		
	8/7/2008 6:00	377	220	600	7.129	7.129		0.2204	1.85E-03	405.3153	149.3468	554.6620		
	8/7/2008 7:00	378	220	700	7.117	7.117		0.2224	1.87E-03	409.9792	151.0653	561.0444		
	8/7/2008 8:00	379	220	800	7.118	7.118		0.2223	1.87E-03	409.5895	150.9217	560.5112		
	8/7/2008 9:00	380	220	900	6.865	6.865		0.2673	2.35E-03	514.0553	189.4142	703.4695		
	8/7/2008 10:00	381	220	1000	4.461	4.461		0.9502	1.12E-02	2449.5625	902.5917	3352.1542		
	8/7/2008 11:00	382	220	1100	3.858	3.858		1.2551	1.57E-02	3450.1021	1271.2611	4721.3632		
	8/7/2008 12:00	383	220	1200	3.659	3.659		1.3777	1.77E-02	3869.6997	1425.8704	5295.5701		
	8/7/2008 13:00	384	220	1300	3.618	3.618		1.4046	1.81E-02	3963.0742	1460.2762	5423.3503		
	8/7/2008 14:00	385	220	1400	3.623	3.623		1.4013	1.80E-02	3951.5514	1456.0304	5407.5817		
	8/7/2008 15:00	386	220	1500	3.699	3.699		1.3520	1.72E-02	3780.9898	1393.1835	5174.1733		
	8/7/2008 16:00	387	220	1600	3.756	3.756		1.3163	1.67E-02	3658.4888	1348.0454	5006.5342		
	8/7/2008 17:00	388	220	1700	3.793	3.793		1.2937	1.63E-02	3581.3356	1319.6168	4900.9524		
	8/7/2008 18:00	389	220	1800	3.874	3.874		1.2457	1.56E-02	3418.6122	1259.6580	4678.2701		
	8/7/2008 19:00	390	220	1900	4.317	4.317		1.0153	1.21E-02	2657.6018	979.2480	3636.8499		
	8/7/2008 20:00	391	220	2000	5.136	5.136		0.6939	7.59E-03	1663.5438	612.9669	2276.5107		
	8/7/2008 21:00	392	220	2100	6.534	6.534		0.3315	3.06E-03	670.0209	246.8830	916.9039		
	8/7/2008 22:00	393	220	2200	7.166	7.166		0.2141	1.78E-03	391.0962	144.1074	535.2036		
	8/7/2008 23:00	394	220	2300	7.334	7.334		0.1863	1.50E-03	329.5213	121.4189	450.9402		
	8/8/2008 0:00	395	221	0	7.356	7.356	7.36	0.1827	1.47E-03	321.8117	118.5782	440.3899		
	8/8/2008 1:00	396	221	100	7.354	7.354		0.1830	1.47E-03	322.5093	118.8352	441.3445		
	8/8/2008 2:00	397	221	200	7.341	7.341		0.1851	1.49E-03	327.0595	120.5118	447.5713		
	8/8/2008 3:00	398	221	300	7.277	7.277		0.1955	1.60E-03	349.8728	128.9178	478.7906		
	8/8/2008 4:00	399	221	400	7.247	7.247		0.2005	1.65E-03	360.8049	132.9460	493.7510		
	8/8/2008 5:00	400	221	500	7.23	7.23		0.2033	1.67E-03	367.0682	135.2538	502.3220		
	8/8/2008 6:00	401	221	600	7.21	7.21		0.2067	1.71E-03	374.5004	137.9924	512.4928		
	8/8/2008 7:00	402	221	700	7.205	7.205		0.2075	1.72E-03	376.3693	138.6810	515.0503		
	8/8/2008 8:00	403	221	800	7.185	7.185		0.2109	1.75E-03	383.8883	141.4516	525.3399		
	8/8/2008 9:00	404	221	900	5.728	5.728		0.5189	5.31E-03	1163.0535	428.5510	1591.6045		
	8/8/2008 10:00	405	221	1000	4.366	4.366		0.9927	1.18E-02	2584.9105	952.4634	3537.3739		
	8/8/2008 11:00	406	221	1100	4.063	4.063		1.1413	1.40E-02	3069.2040	1130.9113	4200.1154		
	8/8/2008 12:00	407	221	1200	3.771	3.771		1.3071	1.65E-02	3626.9907	1336.4393	4963.4301		
	8/8/2008 13:00	408	221	1300	3.672	3.672		1.3693	1.75E-02	3840.6145	1415.1534	5255.7679		
	8/8/2008 14:00	409	221	1400	3.663	3.663		1.3751	1.76E-02	3860.7240	1422.5632	5283.2872		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	3.71	3.71		1.3450	1.71E-02	3756.9968	1384.3427	5141.3395		
	8/8/2008 16:00	411	221	1600	3.766	3.766		1.3101	1.66E-02	3637.4565	1340.2957	4977.7522		
	8/8/2008 17:00	412	221	1700	3.944	3.944		1.2059	1.50E-02	3284.4656	1210.2289	4494.6945		
	8/8/2008 18:00	413	221	1800	4.191	4.191		1.0759	1.30E-02	2854.1583	1051.6733	3905.8317		
	8/8/2008 19:00	414	221	1900	4.236	4.236		1.0538	1.27E-02	2782.3133	1025.2006	3807.5138		
	8/8/2008 20:00	415	221	2000	5.024	5.024		0.7317	8.10E-03	1775.6750	654.2840	2429.9590		
	8/8/2008 21:00	416	221	2100	6.195	6.195		0.4044	3.90E-03	855.6729	315.2903	1170.9632		
	8/8/2008 22:00	417	221	2200	7.036	7.036		0.2365	2.02E-03	442.1402	162.9156	605.0558		
	8/8/2008 23:00	418	221	2300	7.259	7.259		0.1985	1.63E-03	356.4137	131.3279	487.7416		
	8/9/2008 0:00	419	222	0	7.297	7.297	7.30	0.1923	1.56E-03	342.6696	126.2637	468.9333		
	8/9/2008 1:00	420	222	100	7.259	7.259		0.1985	1.63E-03	356.4137	131.3279	487.7416		
	8/9/2008 2:00	421	222	200	7.269	7.269		0.1969	1.61E-03	352.7731	129.9865	482.7595		
	8/9/2008 3:00	422	222	300	7.254	7.254		0.1993	1.63E-03	358.2404	132.0010	490.2414		
	8/9/2008 4:00	423	222	400	7.197	7.197		0.2088	1.73E-03	379.3686	139.7861	519.1547		
	8/9/2008 5:00	424	222	500	7.101	7.101		0.2252	1.90E-03	416.2378	153.3714	569.6091		
	8/9/2008 6:00	425	222	600	7.051	7.051		0.2339	1.99E-03	436.0942	160.6879	596.7821		
	8/9/2008 7:00	426	222	700	6.76	6.76		0.2870	2.56E-03	561.0452	206.7287	767.7739		
	8/9/2008 8:00	427	222	800	6.162	6.162		0.4119	3.99E-03	875.3064	322.5246	1197.8311		
	8/9/2008 9:00	428	222	900	6.53	6.53		0.3323	3.07E-03	672.0509	247.6310	919.6818		
	8/9/2008 10:00	429	222	1000	6.688	6.688		0.3008	2.71E-03	594.5723	219.0824	813.6547		
	8/9/2008 11:00	430	222	1100	5.936	5.936		0.4656	4.64E-03	1017.9834	375.0969	1393.0803		
	8/9/2008 12:00	431	222	1200	4.992	4.992		0.7428	8.25E-03	1808.8949	666.5245	2475.4194		
	8/9/2008 13:00	432	222	1300	4.63	4.63		0.8790	1.02E-02	2225.6601	820.0903	3045.7504		
	8/9/2008 14:00	433	222	1400	4.008	4.008		1.1707	1.44E-02	3166.7663	1166.8602	4333.6265		
	8/9/2008 15:00	434	222	1500	3.753	3.753		1.3181	1.67E-02	3664.8247	1350.3800	5015.2048		
	8/9/2008 16:00	435	222	1600	3.815	3.815		1.2805	1.61E-02	3536.3141	1303.0277	4839.3418		
	8/9/2008 17:00	436	222	1700	4.029	4.029		1.1593	1.43E-02	3129.1331	1152.9935	4282.1266		
	8/9/2008 18:00	437	222	1800	4.031	4.031		1.1583	1.43E-02	3125.5739	1151.6820	4277.2558		
	8/9/2008 19:00	438	222	1900	4.348	4.348		1.0009	1.19E-02	2611.3792	962.2164	3573.5955		
	8/9/2008 20:00	439	222	2000	5.199	5.199		0.6734	7.31E-03	1603.1772	590.7236	2193.9008		
	8/9/2008 21:00	440	222	2100	6.677	6.677		0.3030	2.74E-03	599.7905	221.0051	820.7957		
	8/9/2008 22:00	441	222	2200	7.268	7.268		0.1970	1.61E-03	353.1363	130.1204	483.2567		
	8/9/2008 23:00	442	222	2300	7.248	7.248		0.2003	1.64E-03	360.4381	132.8108	493.2489		
	8/10/2008 0:00	443	223	0	7.232	7.232	7.31	0.2030	1.67E-03	366.3287	134.9814	501.3101		
	8/10/2008 1:00	444	223	100	7.244	7.244		0.2010	1.65E-03	361.9066	133.3519	495.2586		
	8/10/2008 2:00	445	223	200	7.229	7.229		0.2035	1.68E-03	367.4381	135.3901	502.8283		
	8/10/2008 3:00	446	223	300	7.216	7.216		0.2057	1.70E-03	372.2635	137.1681	509.4316		
	8/10/2008 4:00	447	223	400	7.216	7.216		0.2057	1.70E-03	372.2635	137.1681	509.4316		
	8/10/2008 5:00	448	223	500	7.192	7.192		0.2097	1.74E-03	381.2488	140.4789	521.7277		
	8/10/2008 6:00	449	223	600	7.172	7.172		0.2131	1.77E-03	388.8132	143.2662	532.0794		
	8/10/2008 7:00	450	223	700	7.17	7.17		0.2134	1.78E-03	389.5735	143.5464	533.1199		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	7.166	7.166		0.2141	1.78E-03	391.0962	144.1074	535.2036		
	8/10/2008 9:00	452	223	900	6.904	6.904		0.2601	2.27E-03	497.1602	183.1889	680.3491		
	8/10/2008 10:00	453	223	1000	4.574	4.574		0.9021	1.05E-02	2297.5778	846.5898	3144.1676		
	8/10/2008 11:00	454	223	1100	3.87	3.87		1.2481	1.56E-02	3426.4552	1262.5479	4689.0030		
	8/10/2008 12:00	455	223	1200	3.755	3.755		1.3169	1.67E-02	3660.5994	1348.8231	5009.4225		
	8/10/2008 13:00	456	223	1300	3.709	3.709		1.3456	1.71E-02	3759.1709	1385.1438	5144.3147		
	8/10/2008 14:00	457	223	1400	3.702	3.702		1.3501	1.72E-02	3774.4293	1390.7661	5165.1954		
	8/10/2008 15:00	458	223	1500	3.867	3.867		1.2498	1.57E-02	3432.3503	1264.7200	4697.0703		
	8/10/2008 16:00	459	223	1600	3.832	3.832		1.2704	1.60E-02	3501.9512	1290.3660	4792.3172		
	8/10/2008 17:00	460	223	1700	4.084	4.084		1.1303	1.38E-02	3032.7946	1117.4955	4150.2901		
	8/10/2008 18:00	461	223	1800	6.586	6.586		0.3210	2.94E-03	643.9605	237.2805	881.2410		
	8/10/2008 19:00	462	223	1900	7.307	7.307		0.1906	1.55E-03	339.0934	124.9459	464.0393		
	8/10/2008 20:00	463	223	2000	7.268	7.268		0.1970	1.61E-03	353.1363	130.1204	483.2567		
	8/10/2008 21:00	464	223	2100	7.158	7.158		0.2154	1.80E-03	394.1501	145.2327	539.3828		
	8/10/2008 22:00	465	223	2200	7.218	7.218		0.2053	1.69E-03	371.5192	136.8939	508.4131		
	8/10/2008 23:00	466	223	2300	7.121	7.121		0.2217	1.86E-03	408.4217	150.4914	558.9130		
	8/11/2008 0:00	467	224	0	7.088	7.088	7.30	0.2274	1.92E-03	421.3568	155.2576	576.6144		
	8/11/2008 1:00	468	224	100	7.199	7.199		0.2085	1.73E-03	378.6177	139.5095	518.1272		
	8/11/2008 2:00	469	224	200	7.295	7.295		0.1926	1.57E-03	343.3869	126.5280	469.9149		
	8/11/2008 3:00	470	224	300	7.293	7.293		0.1929	1.57E-03	344.1049	126.7925	470.8974		
	8/11/2008 4:00	471	224	400	7.287	7.287		0.1939	1.58E-03	346.2628	127.5876	473.8504		
	8/11/2008 5:00	472	224	500	7.245	7.245		0.2008	1.65E-03	361.5392	133.2166	494.7558		
	8/11/2008 6:00	473	224	600	7.233	7.233		0.2028	1.67E-03	365.9593	134.8452	500.8045		
	8/11/2008 7:00	474	224	700	7.247	7.247		0.2005	1.65E-03	360.8049	132.9460	493.7510		
	8/11/2008 8:00	475	224	800	7.194	7.194		0.2093	1.74E-03	380.4962	140.2016	520.6978		
	8/11/2008 9:00	476	224	900	6.511	6.511		0.3362	3.11E-03	681.7428	251.2022	932.9449		
	8/11/2008 10:00	477	224	1000	5.012	5.012		0.7358	8.16E-03	1788.0692	658.8509	2446.9201		
	8/11/2008 11:00	478	224	1100	4.211	4.211		1.0660	1.29E-02	2821.9952	1039.8222	3861.8173		
	8/11/2008 12:00	479	224	1200	3.999	3.999		1.1755	1.45E-02	3183.0419	1172.8572	4355.8991		
	8/11/2008 13:00	480	224	1300	4.247	4.247		1.0485	1.26E-02	2765.0344	1018.8338	3783.8682		
	8/11/2008 14:00	481	224	1400	3.999	3.999		1.1755	1.45E-02	3183.0419	1172.8572	4355.8991		
	8/11/2008 15:00	482	224	1500	3.957	3.957		1.1986	1.49E-02	3260.1841	1201.2819	4461.4659		
	8/11/2008 16:00	483	224	1600	4.252	4.252		1.0461	1.26E-02	2757.2165	1015.9531	3773.1697		
	8/11/2008 17:00	484	224	1700	4.266	4.266		1.0394	1.25E-02	2735.4461	1007.9314	3743.3774		
	8/11/2008 18:00	485	224	1800	4.604	4.604		0.8897	1.03E-02	2258.7796	832.2938	3091.0734		
	8/11/2008 19:00	486	224	1900	4.772	4.772		0.8231	9.36E-03	2052.6892	756.3555	2809.0447		
	8/11/2008 20:00	487	224	2000	5.472	5.472		0.5899	6.21E-03	1362.1272	501.9038	1864.0310		
	8/11/2008 21:00	488	224	2100	6.365	6.365		0.3668	3.46E-03	759.0382	279.6832	1038.7215		
	8/11/2008 22:00	489	224	2200	6.976	6.976		0.2471	2.13E-03	466.7412	171.9804	638.7216		
	8/11/2008 23:00	490	224	2300	7.16	7.16		0.2151	1.79E-03	393.3856	144.9510	538.3366		
	8/12/2008 0:00	491	225	0	7.228	7.228	7.34	0.2037	1.68E-03	367.8083	135.5265	503.3348		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	7.228	7.228		0.2037	1.68E-03	367.8083	135.5265	503.3348		
	8/12/2008 2:00	493	225	200	6.451	6.451		0.3486	3.25E-03	712.8965	262.6814	975.5778		
	8/12/2008 3:00	494	225	300	6.458	6.458		0.3472	3.24E-03	709.2185	261.3262	970.5447		
	8/12/2008 4:00	495	225	400	6.667	6.667		0.3049	2.76E-03	604.5567	222.7614	827.3181		
	8/12/2008 5:00	496	225	500	6.663	6.663		0.3057	2.77E-03	606.4692	223.4660	829.9352		
	8/12/2008 6:00	497	225	600	6.67	6.67		0.3043	2.75E-03	603.1246	222.2337	825.3583		
	8/12/2008 7:00	498	225	700	6.815	6.815		0.2766	2.45E-03	536.1547	197.5572	733.7120		
	8/12/2008 8:00	499	225	800	6.947	6.947		0.2523	2.18E-03	478.8742	176.4510	655.3252		
	8/12/2008 9:00	500	225	900	6.697	6.697		0.2991	2.69E-03	590.3220	217.5163	807.8382		
	8/12/2008 10:00	501	225	1000	5.282	5.282		0.6471	6.96E-03	1526.4652	562.4575	2088.9227		
	8/12/2008 11:00	502	225	1100	4.331	4.331		1.0088	1.20E-02	2636.6263	971.5192	3608.1454		
	8/12/2008 12:00	503	225	1200	4	4		1.1750	1.45E-02	3181.2291	1172.1893	4353.4184		
	8/12/2008 13:00	504	225	1300	3.843	3.843		1.2639	1.59E-02	3479.9117	1282.2450	4762.1567		
	8/12/2008 14:00	505	225	1400	3.783	3.783		1.2998	1.64E-02	3602.0087	1327.2342	4929.2428		
	8/12/2008 15:00	506	225	1500	3.785	3.785		1.2985	1.64E-02	3597.8635	1325.7068	4923.5703		
	8/12/2008 16:00	507	225	1600	3.859	3.859		1.2545	1.57E-02	3448.1247	1270.5325	4718.6572		
	8/12/2008 17:00	508	225	1700	3.951	3.951		1.2020	1.49E-02	3271.3669	1205.4024	4476.7693		
	8/12/2008 18:00	509	225	1800	4.019	4.019		1.1647	1.44E-02	3146.9941	1159.5747	4306.5688		
	8/12/2008 19:00	510	225	1900	4.323	4.323		1.0125	1.21E-02	2648.5918	975.9281	3624.5200		
	8/12/2008 20:00	511	225	2000	5.311	5.311		0.6381	6.84E-03	1500.3908	552.8499	2053.2407		
	8/12/2008 21:00	512	225	2100	6.849	6.849		0.2703	2.38E-03	521.0730	192.0001	713.0731		
	8/12/2008 22:00	513	225	2200	7.341	7.341		0.1851	1.49E-03	327.0595	120.5118	447.5713		
	8/12/2008 23:00	514	225	2300	7.315	7.315		0.1893	1.53E-03	336.2445	123.8962	460.1407		
	8/13/2008 0:00	515	226	0	7.258	7.258	7.33	0.1987	1.63E-03	356.7787	131.4624	488.2411		
	8/13/2008 1:00	516	226	100	7.225	7.225		0.2042	1.68E-03	368.9198	135.9361	504.8558		
	8/13/2008 2:00	517	226	200	7.232	7.232		0.2030	1.67E-03	366.3287	134.9814	501.3101		
	8/13/2008 3:00	518	226	300	7.237	7.237		0.2022	1.66E-03	364.4832	134.3013	498.7845		
	8/13/2008 4:00	519	226	400	7.174	7.174		0.2127	1.77E-03	388.0536	142.9863	531.0399		
	8/13/2008 5:00	520	226	500	7.158	7.158		0.2154	1.80E-03	394.1501	145.2327	539.3828		
	8/13/2008 6:00	521	226	600	7.208	7.208		0.2070	1.71E-03	375.2475	138.2676	513.5151		
	8/13/2008 7:00	522	226	700	7.193	7.193		0.2095	1.74E-03	380.8724	140.3403	521.2126		
	8/13/2008 8:00	523	226	800	7.171	7.171		0.2132	1.78E-03	389.1933	143.4063	532.5995		
	8/13/2008 9:00	524	226	900	6.121	6.121		0.4213	4.11E-03	900.1121	331.6648	1231.7769		
	8/13/2008 10:00	525	226	1000	4.484	4.484		0.9402	1.10E-02	2417.8570	890.9091	3308.7662		
	8/13/2008 11:00	526	226	1100	4.311	4.311		1.0181	1.22E-02	2666.6426	982.5793	3649.2219		
	8/13/2008 12:00	527	226	1200	3.864	3.864		1.2516	1.57E-02	3438.2564	1266.8963	4705.1527		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.452	4.452	8.53	0.9160	1.07E-02	2433.1653	896.5498	3329.7151		
W504WN2	7/22/2008 14:00	1	204	1400	4.826	4.826		0.7675	8.59E-03	1957.1336	721.1461	2678.2797		
	7/22/2008 15:00	2	204	1500	4.806	4.806		0.7749	8.69E-03	1980.2479	729.6631	2709.9110		
Probe #	7/22/2008 16:00	3	204	1600	4.837	4.837		0.7635	8.54E-03	1944.5237	716.4998	2661.0235		
	7/22/2008 17:00	4	204	1700	4.8	4.8		0.7771	8.72E-03	1987.2298	732.2357	2719.4655		
11	7/22/2008 18:00	5	204	1800	4.806	4.806		0.7749	8.69E-03	1980.2479	729.6631	2709.9110		
	7/22/2008 19:00	6	204	1900	5.011	5.011		0.7023	7.70E-03	1754.3557	646.4284	2400.7842		
	7/22/2008 20:00	7	204	2000	5.266	5.266		0.6198	6.60E-03	1504.4092	554.3305	2058.7397		
	7/22/2008 21:00	8	204	2100	6.608	6.608		0.2909	2.60E-03	592.7570	218.4135	811.1705		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.01	8.01		0.0649	4.11E-04	93.5645	34.4758	128.0402		
	7/22/2008 23:00	10	204	2300	8.53	8.53		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.9	7/23/2008 0:00	11	205	0	8.89	8.89	9.06	-0.0405	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9	9		-0.0522	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.02	9.02		-0.0543	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.06	9.06		-0.0585	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.03	9.03		-0.0554	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	8.89	8.89		-0.0405	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	8.64	8.64		-0.0127	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	8.08	8.08		0.0557	3.40E-04	77.4754	28.5474	106.0228		
	7/23/2008 8:00	19	205	800	7.032	7.032		0.2130	1.77E-03	404.0019	148.8628	552.8648		
	7/23/2008 9:00	20	205	900	6	6		0.4217	4.11E-03	936.3100	345.0027	1281.3127		
	7/23/2008 10:00	21	205	1000	5.224	5.224		0.6328	6.78E-03	1543.4138	568.7026	2112.1164		
	7/23/2008 11:00	22	205	1100	5.162	5.162		0.6525	7.03E-03	1602.5019	590.4748	2192.9767		
	7/23/2008 12:00	23	205	1200	5.074	5.074		0.6811	7.42E-03	1689.5861	622.5627	2312.1488		
	7/23/2008 13:00	24	205	1300	5.017	5.017		0.7002	7.67E-03	1748.0973	644.1224	2392.2197		
	7/23/2008 14:00	25	205	1400	4.995	4.995		0.7077	7.78E-03	1771.1391	652.6126	2423.7517		
	7/23/2008 15:00	26	205	1500	4.964	4.964		0.7184	7.92E-03	1804.0509	664.7397	2468.7906		
	7/23/2008 16:00	27	205	1600	5.089	5.089		0.6762	7.35E-03	1674.4677	616.9920	2291.4597		
	7/23/2008 17:00	28	205	1700	5.33	5.33		0.6004	6.35E-03	1446.5082	532.9957	1979.5039		
	7/23/2008 18:00	29	205	1800	5.765	5.765		0.4796	4.82E-03	1097.1481	404.2668	1501.4148		
	7/23/2008 19:00	30	205	1900	5.922	5.922		0.4404	4.34E-03	987.7534	363.9580	1351.7114		
	7/23/2008 20:00	31	205	2000	6.315	6.315		0.3508	3.28E-03	746.4108	275.0304	1021.4413		
	7/23/2008 21:00	32	205	2100	6.919	6.919		0.2328	1.98E-03	450.7376	166.0835	616.8211		
	7/23/2008 22:00	33	205	2200	7.763	7.763		0.0988	6.89E-04	156.9059	57.8152	214.7210		
	7/23/2008 23:00	34	205	2300	8.06	8.06		0.0583	3.60E-04	81.9854	30.2092	112.1946		
	7/24/2008 0:00	35	206	0	8.12	8.12	8.92	0.0505	3.01E-04	68.6682	25.3022	93.9705		
	7/24/2008 1:00	36	206	100	8.25	8.25		0.0339	1.85E-04	42.1094	15.5161	57.6255		
	7/24/2008 2:00	37	206	200	8.32	8.32		0.0252	1.28E-04	29.2457	10.7762	40.0219		
	7/24/2008 3:00	38	206	300	8.46	8.46		0.0083	3.25E-05	7.4098	2.7303	10.1401		
	7/24/2008 4:00	39	206	400	8.51	8.51		0.0024	6.91E-06	1.5736	0.5798	2.1535		
	7/24/2008 5:00	40	206	500	8.56	8.56		-0.0035	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	8.58	8.58		-0.0058	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	8.44	8.44		0.0107	4.45E-05	10.1258	3.7310	13.8568		
	7/24/2008 8:00	43	206	800	7.851	7.851		0.0865	5.85E-04	133.1869	49.0755	182.2624		
	7/24/2008 9:00	44	206	900	7.405	7.405		0.1519	1.17E-03	266.4808	98.1903	364.6711		
	7/24/2008 10:00	45	206	1000	7.412	7.412		0.1508	1.16E-03	264.1337	97.3255	361.4592		
	7/24/2008 11:00	46	206	1100	5.971	5.971		0.4286	4.19E-03	955.2192	351.9702	1307.1894		
	7/24/2008 12:00	47	206	1200	5.139	5.139		0.6599	7.13E-03	1624.8917	598.7248	2223.6164		
	7/24/2008 13:00	48	206	1300	5.44	5.44		0.5680	5.93E-03	1351.1362	497.8539	1848.9901		
	7/24/2008 14:00	49	206	1400	5.315	5.315		0.6049	6.41E-03	1459.9156	537.9359	1997.8515		
	7/24/2008 15:00	50	206	1500	5.064	5.064		0.6844	7.46E-03	1699.7290	626.3001	2326.0292		
	7/24/2008 16:00	51	206	1600	5.046	5.046		0.6904	7.54E-03	1718.1165	633.0754	2351.1919		
	7/24/2008 17:00	52	206	1700	5.169	5.169		0.6502	7.01E-03	1595.7387	587.9827	2183.7214		
	7/24/2008 18:00	53	206	1800	5.061	5.061		0.6854	7.48E-03	1702.7820	627.4250	2330.2070		
	7/24/2008 19:00	54	206	1900	5.335	5.335		0.5989	6.33E-03	1442.0610	531.3570	1973.4181		
	7/24/2008 20:00	55	206	2000	5.991	5.991		0.4238	4.14E-03	942.1512	347.1550	1289.3062		
	7/24/2008 21:00	56	206	2100	7.309	7.309		0.1671	1.31E-03	299.5162	110.3629	409.8791		
	7/24/2008 22:00	57	206	2200	8.54	8.54		-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	8.92	8.92		-0.0437	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.05	9.05	9.09	-0.0575	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.09	9.09		-0.0616	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.05	9.05		-0.0575	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	8.99	8.99		-0.0512	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	8.97	8.97		-0.0491	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9	9		-0.0522	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.05	9.05		-0.0575	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.06	9.06		-0.0585	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.03	9.03		-0.0554	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	8.96	8.96		-0.0480	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	8.71	8.71		-0.0207	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 11:00	70	207	1100	7.384	7.384		0.1552	1.20E-03	273.5720	100.8032	374.3753		
	7/25/2008 12:00	71	207	1200	6.068	6.068		0.4057	3.92E-03	892.9538	329.0272	1221.9809		
	7/25/2008 13:00	72	207	1300	5.507	5.507		0.5489	5.69E-03	1295.4939	477.3514	1772.8453		
	7/25/2008 14:00	73	207	1400	5.09	5.09		0.6758	7.35E-03	1673.4638	616.6222	2290.0860		
	7/25/2008 15:00	74	207	1500	5.047	5.047		0.6901	7.54E-03	1717.0906	632.6973	2349.7879		
	7/25/2008 16:00	75	207	1600	5.078	5.078		0.6798	7.40E-03	1685.5433	621.0731	2306.6164		
	7/25/2008 17:00	76	207	1700	4.896	4.896		0.7422	8.24E-03	1878.1123	692.0291	2570.1413		
	7/25/2008 18:00	77	207	1800	4.926	4.926		0.7316	8.10E-03	1845.1171	679.8713	2524.9884		
	7/25/2008 19:00	78	207	1900	5.034	5.034		0.6945	7.60E-03	1730.4687	637.6268	2368.0954		
	7/25/2008 20:00	79	207	2000	5.627	5.627		0.5159	5.27E-03	1200.2074	442.2411	1642.4485		
	7/25/2008 21:00	80	207	2100	7.215	7.215		0.1823	1.46E-03	333.4196	122.8553	456.2749		
	7/25/2008 22:00	81	207	2200	8.63	8.63		-0.0116	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	8.9	8.9		-0.0416	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	8.93	8.93	8.93	-0.0448	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	8.93	8.93		-0.0448	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	8.9	8.9		-0.0416	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	8.86	8.86		-0.0372	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	8.81	8.81		-0.0318	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	8.75	8.75		-0.0251	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	8.69	8.69		-0.0184	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	8.61	8.61		-0.0093	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	8.53	8.53		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 9:00	92	208	900	7.207	7.207		0.1836	1.48E-03	336.3774	123.9452	460.3226		
	7/26/2008 10:00	93	208	1000	5.234	5.234		0.6297	6.73E-03	1534.0532	565.2535	2099.3066		
	7/26/2008 11:00	94	208	1100	5.241	5.241		0.6276	6.71E-03	1527.5283	562.8492	2090.3776		
	7/26/2008 12:00	95	208	1200	5.451	5.451		0.5649	5.89E-03	1341.8767	494.4421	1836.3188		
	7/26/2008 13:00	96	208	1300	5.001	5.001		0.7057	7.75E-03	1764.8292	650.2876	2415.1168		
	7/26/2008 14:00	97	208	1400	4.95	4.95		0.7232	7.99E-03	1819.0871	670.2800	2489.3671		
	7/26/2008 15:00	98	208	1500	4.884	4.884		0.7465	8.30E-03	1891.4548	696.9454	2588.4002		
	7/26/2008 16:00	99	208	1600	4.945	4.945		0.7250	8.01E-03	1824.4834	672.2684	2496.7519		
	7/26/2008 17:00	100	208	1700	4.741	4.741		0.7992	9.03E-03	2057.0761	757.9720	2815.0481		
	7/26/2008 18:00	101	208	1800	4.912	4.912		0.7366	8.17E-03	1860.4510	685.5214	2545.9725		
	7/26/2008 19:00	102	208	1900	4.995	4.995		0.7077	7.78E-03	1771.1391	652.6126	2423.7517		
	7/26/2008 20:00	103	208	2000	5.466	5.466		0.5606	5.84E-03	1329.3295	489.8188	1819.1483		
	7/26/2008 21:00	104	208	2100	6.743	6.743		0.2650	2.32E-03	528.6029	194.7746	723.3775		
	7/26/2008 22:00	105	208	2200	8.13	8.13		0.0492	2.92E-04	66.5115	24.5075	91.0191		
	7/26/2008 23:00	106	208	2300	8.59	8.59		-0.0070	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	8.7	8.7	8.75	-0.0195	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	8.75	8.75		-0.0251	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	8.74	8.74		-0.0240	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	8.74	8.74		-0.0240	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	8.72	8.72		-0.0218	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	8.67	8.67		-0.0161	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	8.61	8.61		-0.0093	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	8.52	8.52		0.0012	2.94E-06	0.6694	0.2467	0.9161		
	7/27/2008 8:00	115	209	800	8.2	8.2		0.0402	2.28E-04	51.9360	19.1369	71.0729		
	7/27/2008 9:00	116	209	900	5.787	5.787		0.4740	4.75E-03	1081.3299	398.4382	1479.7681		
	7/27/2008 10:00	117	209	1000	4.791	4.791		0.7804	8.77E-03	1997.7440	736.1099	2733.8539		
	7/27/2008 11:00	118	209	1100	4.72	4.72		0.8072	9.14E-03	2082.4689	767.3285	2849.7974		
	7/27/2008 12:00	119	209	1200	4.715	4.715		0.8091	9.17E-03	2088.5568	769.5717	2858.1285		
	7/27/2008 13:00	120	209	1300	4.727	4.727		0.8045	9.10E-03	2073.9731	764.1980	2838.1711		
	7/27/2008 14:00	121	209	1400	4.618	4.618		0.8471	9.70E-03	2209.9512	814.3020	3024.2531		
	7/27/2008 15:00	122	209	1500	4.585	4.585		0.8604	9.89E-03	2252.7221	830.0618	3082.7839		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.629	4.629		0.8427	9.64E-03	2195.8636	809.1111	3004.9747		
	7/27/2008 17:00	124	209	1700	4.571	4.571		0.8661	9.97E-03	2271.1009	836.8338	3107.9347		
	7/27/2008 18:00	125	209	1800	4.656	4.656		0.8320	9.49E-03	2161.6382	796.5000	2958.1382		
	7/27/2008 19:00	126	209	1900	4.802	4.802		0.7763	8.71E-03	1984.9001	731.3772	2716.2773		
	7/27/2008 20:00	127	209	2000	5.362	5.362		0.5908	6.23E-03	1418.2335	522.5773	1940.8107		
	7/27/2008 21:00	128	209	2100	6.464	6.464		0.3196	2.92E-03	665.7033	245.2921	910.9954		
	7/27/2008 22:00	129	209	2200	7.389	7.389		0.1544	1.19E-03	271.8768	100.1786	372.0554		
	7/27/2008 23:00	130	209	2300	7.91	7.91		0.0784	5.18E-04	117.9944	43.4775	161.4719		
	7/28/2008 0:00	131	210	0	8.21	8.21	8.58	0.0390	2.19E-04	49.9305	18.3979	68.3284		
	7/28/2008 1:00	132	210	100	8.38	8.38		0.0179	8.41E-05	19.1574	7.0590	26.2164		
	7/28/2008 2:00	133	210	200	8.46	8.46		0.0083	3.25E-05	7.4098	2.7303	10.1401		
	7/28/2008 3:00	134	210	300	8.58	8.58		-0.0058	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 4:00	135	210	400	8.57	8.57		-0.0047	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 5:00	136	210	500	8.5	8.5		0.0035	1.14E-05	2.5960	0.9565	3.5525		
	7/28/2008 6:00	137	210	600	8.43	8.43		0.0119	5.07E-05	11.5449	4.2539	15.7988		
	7/28/2008 7:00	138	210	700	8	8		0.0662	4.21E-04	95.9317	35.3480	131.2798		
	7/28/2008 8:00	139	210	800	6.031	6.031		0.4144	4.02E-03	916.3755	337.6574	1254.0329		
	7/28/2008 9:00	140	210	900	5.095	5.095		0.6742	7.32E-03	1668.4523	614.7756	2283.2279		
	7/28/2008 10:00	141	210	1000	4.67	4.67		0.8266	9.41E-03	2144.0868	790.0329	2934.1197		
	7/28/2008 11:00	142	210	1100	4.612	4.612		0.8495	9.74E-03	2217.6708	817.1464	3034.8172		
	7/28/2008 12:00	143	210	1200	4.581	4.581		0.8620	9.91E-03	2257.9589	831.9914	3089.9502		
	7/28/2008 13:00	144	210	1300	4.617	4.617		0.8475	9.71E-03	2211.2360	814.7754	3026.0114		
	7/28/2008 14:00	145	210	1400	4.574	4.574		0.8649	9.95E-03	2267.1507	835.3783	3102.5290		
	7/28/2008 15:00	146	210	1500	4.486	4.486		0.9015	1.05E-02	2385.7682	879.0854	3264.8535		
	7/28/2008 16:00	147	210	1600	4.554	4.554		0.8731	1.01E-02	2293.6078	845.1270	3138.7347		
	7/28/2008 17:00	148	210	1700	4.485	4.485		0.9019	1.05E-02	2387.1495	879.5943	3266.7438		
	7/28/2008 18:00	149	210	1800	4.633	4.633		0.8411	9.62E-03	2190.7616	807.2312	2997.9928		
	7/28/2008 19:00	150	210	1900	4.883	4.883		0.7469	8.31E-03	1892.5704	697.3565	2589.9269		
	7/28/2008 20:00	151	210	2000	5.389	5.389		0.5829	6.12E-03	1394.7184	513.9127	1908.6311		
	7/28/2008 21:00	152	210	2100	6.825	6.825		0.2498	2.16E-03	491.5354	181.1163	672.6518		
	7/28/2008 22:00	153	210	2200	7.535	7.535		0.1321	9.84E-04	224.2401	82.6259	306.8659		
	7/28/2008 23:00	154	210	2300	7.93	7.93		0.0757	4.96E-04	112.9747	41.6279	154.6026		
	7/29/2008 0:00	155	211	0	8.18	8.18	8.43	0.0428	2.46E-04	56.0055	20.6364	76.6419		
	7/29/2008 1:00	156	211	100	8.32	8.32		0.0252	1.28E-04	29.2457	10.7762	40.0219		
	7/29/2008 2:00	157	211	200	8.41	8.41		0.0143	6.36E-05	14.4921	5.3399	19.8320		
	7/29/2008 3:00	158	211	300	8.43	8.43		0.0119	5.07E-05	11.5449	4.2539	15.7988		
	7/29/2008 4:00	159	211	400	8.42	8.42		0.0131	5.71E-05	13.0010	4.7905	17.7915		
	7/29/2008 5:00	160	211	500	8.33	8.33		0.0240	1.21E-04	27.5002	10.1330	37.6333		
	7/29/2008 6:00	161	211	600	8.24	8.24		0.0352	1.93E-04	44.0340	16.2252	60.2592		
	7/29/2008 7:00	162	211	700	8.05	8.05		0.0596	3.70E-04	84.2666	31.0498	115.3164		
	7/29/2008 8:00	163	211	800	7.038	7.038		0.2120	1.76E-03	401.5890	147.9737	549.5628		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.372	5.372		0.5879	6.19E-03	1409.4880	519.3548	1928.8429		
	7/29/2008 10:00	165	211	1000	4.716	4.716		0.8087	9.16E-03	2087.3379	769.1226	2856.4605		
	7/29/2008 11:00	166	211	1100	4.978	4.978		0.7135	7.85E-03	1789.1227	659.2390	2448.3617		
	7/29/2008 12:00	167	211	1200	4.553	4.553		0.8735	1.01E-02	2294.9383	845.6172	3140.5555		
	7/29/2008 13:00	168	211	1300	4.606	4.606		0.8519	9.77E-03	2225.4155	820.0001	3045.4157		
	7/29/2008 14:00	169	211	1400	4.552	4.552		0.8739	1.01E-02	2296.2695	846.1077	3142.3772		
	7/29/2008 15:00	170	211	1500	4.73	4.73		0.8034	9.09E-03	2070.3417	762.8600	2833.2016		
	7/29/2008 16:00	171	211	1600	4.806	4.806		0.7749	8.69E-03	1980.2479	729.6631	2709.9110		
	7/29/2008 17:00	172	211	1700	4.936	4.936		0.7281	8.05E-03	1834.2320	675.8605	2510.0926		
	7/29/2008 18:00	173	211	1800	4.908	4.908		0.7380	8.19E-03	1864.8526	687.1433	2551.9959		
	7/29/2008 19:00	174	211	1900	4.912	4.912		0.7366	8.17E-03	1860.4510	685.5214	2545.9725		
	7/29/2008 20:00	175	211	2000	5.621	5.621		0.5175	5.29E-03	1204.8431	443.9492	1648.7923		
	7/29/2008 21:00	176	211	2100	6.94	6.94		0.2291	1.94E-03	441.8642	162.8140	604.6782		
	7/29/2008 22:00	177	211	2200	7.96	7.96		0.0716	4.63E-04	105.5700	38.8994	144.4694		
	7/29/2008 23:00	178	211	2300	8.16	8.16		0.0453	2.64E-04	60.1517	22.1641	82.3159		
	7/30/2008 0:00	179	212	0	8.14	8.14	8.14	0.0479	2.83E-04	64.3731	23.7196	88.0927		
	7/30/2008 1:00	180	212	100	8.09	8.09		0.0544	3.30E-04	75.2468	27.7262	102.9730		
	7/30/2008 2:00	181	212	200	8.03	8.03		0.0623	3.90E-04	88.8812	32.7501	121.6313		
	7/30/2008 3:00	182	212	300	7.97	7.97		0.0703	4.53E-04	103.1352	38.0023	141.1374		
	7/30/2008 4:00	183	212	400	7.917	7.917		0.0774	5.10E-04	116.2300	42.8273	159.0573		
	7/30/2008 5:00	184	212	500	7.865	7.865		0.0846	5.69E-04	129.5301	47.7280	177.2582		
	7/30/2008 6:00	185	212	600	7.818	7.818		0.0911	6.23E-04	141.9334	52.2983	194.2317		
	7/30/2008 7:00	186	212	700	7.773	7.773		0.0974	6.77E-04	154.1469	56.7986	210.9455		
	7/30/2008 8:00	187	212	800	7.718	7.718		0.1052	7.44E-04	169.5226	62.4641	231.9867		
	7/30/2008 9:00	188	212	900	6.315	6.315		0.3508	3.28E-03	746.4108	275.0304	1021.4413		
	7/30/2008 10:00	189	212	1000	4.279	4.279		0.9935	1.18E-02	2688.8878	990.7760	3679.6638		
	7/30/2008 11:00	190	212	1100	4.116	4.116		1.0724	1.30E-02	2954.2817	1088.5658	4042.8475		
	7/30/2008 12:00	191	212	1200	4.122	4.122		1.0694	1.29E-02	2944.0551	1084.7977	4028.8528		
	7/30/2008 13:00	192	212	1300	4.135	4.135		1.0629	1.28E-02	2922.0221	1076.6792	3998.7013		
	7/30/2008 14:00	193	212	1400	4.166	4.166		1.0475	1.26E-02	2870.1605	1057.5697	3927.7302		
	7/30/2008 15:00	194	212	1500	4.301	4.301		0.9833	1.17E-02	2654.9545	978.2726	3633.2271		
	7/30/2008 16:00	195	212	1600	4.293	4.293		0.9870	1.17E-02	2667.2443	982.8010	3650.0453		
	7/30/2008 17:00	196	212	1700	4.313	4.313		0.9777	1.16E-02	2636.6252	971.5188	3608.1440		
	7/30/2008 18:00	197	212	1800	4.5	4.5		0.8956	1.04E-02	2366.5102	871.9894	3238.4996		
	7/30/2008 19:00	198	212	1900	4.648	4.648		0.8352	9.53E-03	2171.7271	800.2175	2971.9446		
	7/30/2008 20:00	199	212	2000	5.289	5.289		0.6128	6.51E-03	1483.3905	546.5858	2029.9763		
	7/30/2008 21:00	200	212	2100	6.686	6.686		0.2758	2.44E-03	555.2063	204.5772	759.7834		
	7/30/2008 22:00	201	212	2200	7.798	7.798		0.0939	6.47E-04	147.3209	54.2834	201.6043		
	7/30/2008 23:00	202	212	2300	8.09	8.09		0.0544	3.30E-04	75.2468	27.7262	102.9730		
	7/31/2008 0:00	203	213	0	8.18	8.18	8.21	0.0428	2.46E-04	56.0055	20.6364	76.6419		
	7/31/2008 1:00	204	213	100	8.21	8.21		0.0390	2.19E-04	49.9305	18.3979	68.3284		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	8.16	8.16		0.0453	2.64E-04	60.1517	22.1641	82.3159		
	7/31/2008 3:00	206	213	300	8.11	8.11		0.0518	3.11E-04	70.8431	26.1036	96.9467		
	7/31/2008 4:00	207	213	400	8.04	8.04		0.0609	3.80E-04	86.5653	31.8968	118.4620		
	7/31/2008 5:00	208	213	500	7.968	7.968		0.0705	4.55E-04	103.6208	38.1812	141.8020		
	7/31/2008 6:00	209	213	600	7.899	7.899		0.0799	5.30E-04	120.7834	44.5051	165.2886		
	7/31/2008 7:00	210	213	700	7.823	7.823		0.0904	6.17E-04	140.5967	51.8058	192.4025		
	7/31/2008 8:00	211	213	800	7.723	7.723		0.1045	7.38E-04	168.1044	61.9415	230.0460		
	7/31/2008 9:00	212	213	900	5.996	5.996		0.4226	4.12E-03	938.9031	345.9581	1284.8612		
	7/31/2008 10:00	213	213	1000	4.215	4.215		1.0237	1.22E-02	2790.0888	1028.0656	3818.1544		
	7/31/2008 11:00	214	213	1100	4.186	4.186		1.0377	1.25E-02	2837.2003	1045.4248	3882.6251		
	7/31/2008 12:00	215	213	1200	4.045	4.045		1.1088	1.35E-02	3078.1186	1134.1961	4212.3147		
	7/31/2008 13:00	216	213	1300	4.223	4.223		1.0199	1.22E-02	2777.2322	1023.3283	3800.5606		
	7/31/2008 14:00	217	213	1400	4.082	4.082		1.0897	1.32E-02	3012.9273	1110.1750	4123.1024		
	7/31/2008 15:00	218	213	1500	4.083	4.083		1.0892	1.32E-02	3011.1854	1109.5332	4120.7186		
	7/31/2008 16:00	219	213	1600	4.195	4.195		1.0334	1.24E-02	2822.4939	1040.0059	3862.4999		
	7/31/2008 17:00	220	213	1700	4.184	4.184		1.0387	1.25E-02	2840.4790	1046.6329	3887.1118		
	7/31/2008 18:00	221	213	1800	4.231	4.231		1.0161	1.21E-02	2764.4354	1018.6131	3783.0484		
	7/31/2008 19:00	222	213	1900	4.619	4.619		0.8467	9.70E-03	2208.6670	813.8288	3022.4958		
	7/31/2008 20:00	223	213	2000	5.473	5.473		0.5586	5.81E-03	1323.5052	487.6727	1811.1779		
	7/31/2008 21:00	224	213	2100	6.371	6.371		0.3389	3.14E-03	715.4313	263.6154	979.0466		
	7/31/2008 22:00	225	213	2200	7.368	7.368		0.1577	1.22E-03	279.0255	102.8127	381.8381		
	7/31/2008 23:00	226	213	2300	7.286	7.286		0.1707	1.35E-03	307.6679	113.3666	421.0345		
	8/1/2008 0:00	227	214	0	7.601	7.601	8.15	0.1222	8.95E-04	203.8722	75.1209	278.9931		
	8/1/2008 1:00	228	214	100	7.999	7.999		0.0664	4.22E-04	96.1694	35.4356	131.6050		
	8/1/2008 2:00	229	214	200	8.15	8.15		0.0466	2.73E-04	62.2531	22.9384	85.1916		
	8/1/2008 3:00	230	214	300	8.11	8.11		0.0518	3.11E-04	70.8431	26.1036	96.9467		
	8/1/2008 4:00	231	214	400	8.13	8.13		0.0492	2.92E-04	66.5115	24.5075	91.0191		
	8/1/2008 5:00	232	214	500	8.13	8.13		0.0492	2.92E-04	66.5115	24.5075	91.0191		
	8/1/2008 6:00	233	214	600	8.06	8.06		0.0583	3.60E-04	81.9854	30.2092	112.1946		
	8/1/2008 7:00	234	214	700	8	8		0.0662	4.21E-04	95.9317	35.3480	131.2798		
	8/1/2008 8:00	235	214	800	7.593	7.593		0.1234	9.06E-04	206.3028	76.0165	282.3192		
	8/1/2008 9:00	236	214	900	5.77	5.77		0.4783	4.80E-03	1093.5386	402.9368	1496.4754		
	8/1/2008 10:00	237	214	1000	4.343	4.343		0.9641	1.14E-02	2591.3480	954.8355	3546.1835		
	8/1/2008 11:00	238	214	1100	4.311	4.311		0.9787	1.16E-02	2639.6714	972.6412	3612.3126		
	8/1/2008 12:00	239	214	1200	4.319	4.319		0.9750	1.15E-02	2627.5076	968.1592	3595.6669		
	8/1/2008 13:00	240	214	1300	4.259	4.259		1.0028	1.19E-02	2720.1113	1002.2810	3722.3923		
	8/1/2008 14:00	241	214	1400	4.231	4.231		1.0161	1.21E-02	2764.4354	1018.6131	3783.0484		
	8/1/2008 15:00	242	214	1500	4.209	4.209		1.0266	1.23E-02	2799.7706	1031.6331	3831.4037		
	8/1/2008 16:00	243	214	1600	4.292	4.292		0.9874	1.17E-02	2668.7845	983.3685	3652.1530		
	8/1/2008 17:00	244	214	1700	4.302	4.302		0.9828	1.16E-02	2653.4223	977.7080	3631.1303		
	8/1/2008 18:00	245	214	1800	4.373	4.373		0.9506	1.12E-02	2546.8370	938.4345	3485.2715		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	4.559	4.559		0.8710	1.00E-02	2286.9663	842.6798	3129.6461		
	8/1/2008 20:00	247	214	2000	5.38	5.38		0.5855	6.16E-03	1402.5224	516.7882	1919.3106		
	8/1/2008 21:00	248	214	2100	7.039	7.039		0.2118	1.76E-03	401.1876	147.8258	549.0134		
	8/1/2008 22:00	249	214	2200	7.893	7.893		0.0807	5.37E-04	122.3131	45.0688	167.3819		
	8/1/2008 23:00	250	214	2300	8.09	8.09		0.0544	3.30E-04	75.2468	27.7262	102.9730		
	8/2/2008 0:00	251	215	0	8.13	8.13	8.26	0.0492	2.92E-04	66.5115	24.5075	91.0191		
	8/2/2008 1:00	252	215	100	8.22	8.22		0.0377	2.10E-04	47.9448	17.6662	65.6110		
	8/2/2008 2:00	253	215	200	8.26	8.26		0.0327	1.77E-04	40.2058	14.8147	55.0205		
	8/2/2008 3:00	254	215	300	8.26	8.26		0.0327	1.77E-04	40.2058	14.8147	55.0205		
	8/2/2008 4:00	255	215	400	8.14	8.14		0.0479	2.83E-04	64.3731	23.7196	88.0927		
	8/2/2008 5:00	256	215	500	8.06	8.06		0.0583	3.60E-04	81.9854	30.2092	112.1946		
	8/2/2008 6:00	257	215	600	7.986	7.986		0.0681	4.36E-04	99.2744	36.5797	135.8541		
	8/2/2008 7:00	258	215	700	7.631	7.631		0.1178	8.55E-04	194.8511	71.7969	266.6480		
	8/2/2008 8:00	259	215	800	6.053	6.053		0.4092	3.96E-03	902.4008	332.5082	1234.9090		
	8/2/2008 9:00	260	215	900	4.647	4.647		0.8356	9.54E-03	2172.9913	800.6833	2973.6746		
	8/2/2008 10:00	261	215	1000	4.498	4.498		0.8964	1.04E-02	2369.2522	872.9997	3242.2520		
	8/2/2008 11:00	262	215	1100	4.446	4.446		0.9186	1.07E-02	2441.6230	899.6662	3341.2893		
	8/2/2008 12:00	263	215	1200	4.397	4.397		0.9400	1.10E-02	2511.7684	925.5127	3437.2811		
	8/2/2008 13:00	264	215	1300	4.385	4.385		0.9453	1.11E-02	2529.2433	931.9517	3461.1950		
	8/2/2008 14:00	265	215	1400	4.392	4.392		0.9422	1.11E-02	2519.0352	928.1903	3447.2256		
	8/2/2008 15:00	266	215	1500	4.373	4.373		0.9506	1.12E-02	2546.8370	938.4345	3485.2715		
	8/2/2008 16:00	267	215	1600	4.404	4.404		0.9369	1.10E-02	2501.6291	921.7767	3423.4058		
	8/2/2008 17:00	268	215	1700	4.388	4.388		0.9439	1.11E-02	2524.8635	930.3379	3455.2013		
	8/2/2008 18:00	269	215	1800	4.453	4.453		0.9156	1.07E-02	2431.7584	896.0314	3327.7898		
	8/2/2008 19:00	270	215	1900	4.658	4.658		0.8313	9.48E-03	2159.1227	795.5732	2954.6959		
	8/2/2008 20:00	271	215	2000	5.269	5.269		0.6189	6.59E-03	1501.6541	553.3153	2054.9694		
	8/2/2008 21:00	272	215	2100	6.346	6.346		0.3442	3.20E-03	729.1634	268.6753	997.8387		
	8/2/2008 22:00	273	215	2200	7.526	7.526		0.1334	9.97E-04	227.0733	83.6698	310.7432		
	8/2/2008 23:00	274	215	2300	7.974	7.974		0.0697	4.49E-04	102.1659	37.6451	139.8111		
	8/3/2008 0:00	275	216	0	7.993	7.993	8.34	0.0672	4.28E-04	97.5989	35.9623	133.5613		
	8/3/2008 1:00	276	216	100	7.855	7.855		0.0859	5.80E-04	132.1388	48.6893	180.8281		
	8/3/2008 2:00	277	216	200	7.872	7.872		0.0836	5.61E-04	127.7138	47.0588	174.7726		
	8/3/2008 3:00	278	216	300	8.08	8.08		0.0557	3.40E-04	77.4754	28.5474	106.0228		
	8/3/2008 4:00	279	216	400	8.26	8.26		0.0327	1.77E-04	40.2058	14.8147	55.0205		
	8/3/2008 5:00	280	216	500	8.34	8.34		0.0228	1.13E-04	25.7794	9.4989	35.2783		
	8/3/2008 6:00	281	216	600	8.33	8.33		0.0240	1.21E-04	27.5002	10.1330	37.6333		
	8/3/2008 7:00	282	216	700	8.21	8.21		0.0390	2.19E-04	49.9305	18.3979	68.3284		
	8/3/2008 8:00	283	216	800	6.895	6.895		0.2371	2.02E-03	460.9854	169.8595	630.8449		
	8/3/2008 9:00	284	216	900	4.877	4.877		0.7490	8.34E-03	1899.2765	699.8275	2599.1039		
	8/3/2008 10:00	285	216	1000	4.446	4.446		0.9186	1.07E-02	2441.6230	899.6662	3341.2893		
	8/3/2008 11:00	286	216	1100	4.357	4.357		0.9578	1.13E-02	2570.4819	947.1469	3517.6289		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	4.341	4.341		0.9650	1.14E-02	2594.3425	955.9388	3550.2813		
	8/3/2008 13:00	288	216	1300	4.316	4.316		0.9764	1.16E-02	2632.0625	969.8376	3601.9001		
	8/3/2008 14:00	289	216	1400	4.283	4.283		0.9916	1.18E-02	2682.6861	988.4909	3671.1770		
	8/3/2008 15:00	290	216	1500	4.264	4.264		1.0005	1.19E-02	2712.2716	999.3923	3711.6639		
	8/3/2008 16:00	291	216	1600	4.291	4.291		0.9879	1.17E-02	2670.3256	983.9364	3654.2620		
	8/3/2008 17:00	292	216	1700	4.306	4.306		0.9810	1.16E-02	2647.3020	975.4529	3622.7549		
	8/3/2008 18:00	293	216	1800	4.399	4.399		0.9391	1.10E-02	2508.8673	924.4438	3433.3111		
	8/3/2008 19:00	294	216	1900	4.595	4.595		0.8564	9.83E-03	2239.6801	825.2562	3064.9362		
	8/3/2008 20:00	295	216	2000	5.038	5.038		0.6931	7.58E-03	1726.3429	636.1065	2362.4495		
	8/3/2008 21:00	296	216	2100	5.882	5.882		0.4502	4.46E-03	1014.8672	373.9487	1388.8159		
	8/3/2008 22:00	297	216	2200	6.756	6.756		0.2626	2.29E-03	522.6325	192.5747	715.2072		
	8/3/2008 23:00	298	216	2300	7.098	7.098		0.2017	1.66E-03	377.8330	139.2204	517.0534		
	8/4/2008 0:00	299	217	0	7.169	7.169	7.81	0.1898	1.54E-03	350.5842	129.1800	479.7641		
	8/4/2008 1:00	300	217	100	7.204	7.204		0.1841	1.48E-03	337.4895	124.3550	461.8445		
	8/4/2008 2:00	301	217	200	6.913	6.913		0.2339	1.99E-03	453.2888	167.0236	620.3124		
	8/4/2008 3:00	302	217	300	6.657	6.657		0.2814	2.50E-03	569.0109	209.6638	778.6747		
	8/4/2008 4:00	303	217	400	6.364	6.364		0.3404	3.16E-03	719.2605	265.0263	984.2868		
	8/4/2008 5:00	304	217	500	6.398	6.398		0.3332	3.08E-03	700.7758	258.2152	958.9910		
	8/4/2008 6:00	305	217	600	6.786	6.786		0.2570	2.23E-03	508.9903	187.5480	696.5383		
	8/4/2008 7:00	306	217	700	6.707	6.707		0.2718	2.39E-03	545.3239	200.9358	746.2597		
	8/4/2008 8:00	307	217	800	6.343	6.343		0.3448	3.21E-03	730.8219	269.2864	1000.1082		
	8/4/2008 9:00	308	217	900	5.867	5.867		0.4539	4.50E-03	1025.1660	377.7435	1402.9095		
	8/4/2008 10:00	309	217	1000	5.108	5.108		0.6699	7.27E-03	1655.4815	609.9962	2265.4777		
	8/4/2008 11:00	310	217	1100	4.776	4.776		0.7860	8.85E-03	2015.3791	742.6079	2757.9870		
	8/4/2008 12:00	311	217	1200	4.634	4.634		0.8407	9.61E-03	2189.4878	806.7618	2996.2496		
	8/4/2008 13:00	312	217	1300	4.531	4.531		0.8826	1.02E-02	2324.3941	856.4708	3180.8649		
	8/4/2008 14:00	313	217	1400	4.724	4.724		0.8057	9.12E-03	2077.6103	765.5382	2843.1485		
	8/4/2008 15:00	314	217	1500	4.96	4.96		0.7198	7.94E-03	1808.3359	666.3186	2474.6545		
	8/4/2008 16:00	315	217	1600	4.583	4.583		0.8612	9.90E-03	2255.3390	831.0261	3086.3651		
	8/4/2008 17:00	316	217	1700	4.495	4.495		0.8977	1.04E-02	2373.3709	874.5173	3247.8883		
	8/4/2008 18:00	317	217	1800	4.586	4.586		0.8600	9.88E-03	2251.4147	829.5800	3080.9947		
	8/4/2008 19:00	318	217	1900	4.797	4.797		0.7782	8.74E-03	1990.7290	733.5250	2724.2540		
	8/4/2008 20:00	319	217	2000	5.326	5.326		0.6016	6.37E-03	1450.0739	534.3095	1984.3834		
	8/4/2008 21:00	320	217	2100	6.637	6.637		0.2852	2.54E-03	578.6388	213.2114	791.8502		
	8/4/2008 22:00	321	217	2200	7.522	7.522		0.1340	1.00E-03	228.3369	84.1354	312.4723		
	8/4/2008 23:00	322	217	2300	7.806	7.806		0.0927	6.37E-04	145.1580	53.4865	198.6445		
	8/5/2008 0:00	323	218	0	8.05	8.05	8.24	0.0596	3.70E-04	84.2666	31.0498	115.3164		
	8/5/2008 1:00	324	218	100	8.17	8.17		0.0441	2.55E-04	58.0692	21.3968	79.4659		
	8/5/2008 2:00	325	218	200	8.24	8.24		0.0352	1.93E-04	44.0340	16.2252	60.2592		
	8/5/2008 3:00	326	218	300	8.2	8.2		0.0402	2.28E-04	51.9360	19.1369	71.0729		
	8/5/2008 4:00	327	218	400	8.06	8.06		0.0583	3.60E-04	81.9854	30.2092	112.1946		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.03	8.03		0.0623	3.90E-04	88.8812	32.7501	121.6313		
	8/5/2008 6:00	329	218	600	8.07	8.07		0.0570	3.50E-04	79.7216	29.3751	109.0967		
	8/5/2008 7:00	330	218	700	8.03	8.03		0.0623	3.90E-04	88.8812	32.7501	121.6313		
	8/5/2008 8:00	331	218	800	7.483	7.483		0.1399	1.06E-03	240.7962	88.7263	329.5225		
	8/5/2008 9:00	332	218	900	5.854	5.854		0.4571	4.54E-03	1034.1501	381.0539	1415.2040		
	8/5/2008 10:00	333	218	1000	4.876	4.876		0.7494	8.34E-03	1900.3962	700.2401	2600.6362		
	8/5/2008 11:00	334	218	1100	5.018	5.018		0.6999	7.67E-03	1747.0561	643.7387	2390.7948		
	8/5/2008 12:00	335	218	1200	4.777	4.777		0.7856	8.84E-03	2014.1991	742.1731	2756.3721		
	8/5/2008 13:00	336	218	1300	4.507	4.507		0.8926	1.03E-02	2356.9371	868.4619	3225.3990		
	8/5/2008 14:00	337	218	1400	4.789	4.789		0.7812	8.78E-03	2000.0873	736.9733	2737.0606		
	8/5/2008 15:00	338	218	1500	5.088	5.088		0.6765	7.36E-03	1675.4720	617.3621	2292.8341		
	8/5/2008 16:00	339	218	1600	4.968	4.968		0.7170	7.90E-03	1799.7748	663.1640	2462.9388		
	8/5/2008 17:00	340	218	1700	4.7	4.7		0.8149	9.25E-03	2106.9184	776.3374	2883.2558		
	8/5/2008 18:00	341	218	1800	4.554	4.554		0.8731	1.01E-02	2293.6078	845.1270	3138.7347		
	8/5/2008 19:00	342	218	1900	4.651	4.651		0.8340	9.52E-03	2167.9386	798.8216	2966.7602		
	8/5/2008 20:00	343	218	2000	5.483	5.483		0.5557	5.77E-03	1315.2188	484.6194	1799.8382		
	8/5/2008 21:00	344	218	2100	7.304	7.304		0.1679	1.32E-03	301.2804	111.0130	412.2934		
	8/5/2008 22:00	345	218	2200	8	8		0.0662	4.21E-04	95.9317	35.3480	131.2798		
	8/5/2008 23:00	346	218	2300	8.24	8.24		0.0352	1.93E-04	44.0340	16.2252	60.2592		
	8/6/2008 0:00	347	219	0	8.34	8.34	8.34	0.0228	1.13E-04	25.7794	9.4989	35.2783		
	8/6/2008 1:00	348	219	100	8.3	8.3		0.0277	1.44E-04	32.8083	12.0889	44.8973		
	8/6/2008 2:00	349	219	200	8.21	8.21		0.0390	2.19E-04	49.9305	18.3979	68.3284		
	8/6/2008 3:00	350	219	300	8.12	8.12		0.0505	3.01E-04	68.6682	25.3022	93.9705		
	8/6/2008 4:00	351	219	400	8.02	8.02		0.0636	4.00E-04	91.2143	33.6098	124.8240		
	8/6/2008 5:00	352	219	500	7.916	7.916		0.0776	5.11E-04	116.4815	42.9200	159.4016		
	8/6/2008 6:00	353	219	600	7.812	7.812		0.0919	6.30E-04	143.5428	52.8913	196.4341		
	8/6/2008 7:00	354	219	700	7.744	7.744		0.1015	7.12E-04	162.1927	59.7632	221.9559		
	8/6/2008 8:00	355	219	800	7.677	7.677		0.1111	7.96E-04	181.3051	66.8056	248.1107		
	8/6/2008 9:00	356	219	900	7.342	7.342		0.1618	1.26E-03	287.9811	106.1126	394.0937		
	8/6/2008 10:00	357	219	1000	4.491	4.491		0.8994	1.04E-02	2378.8732	876.5448	3255.4180		
	8/6/2008 11:00	358	219	1100	3.811	3.811		1.2383	1.55E-02	3526.4104	1299.3784	4825.7889		
	8/6/2008 12:00	359	219	1200	4.184	4.184		1.0387	1.25E-02	2840.4790	1046.6329	3887.1118		
	8/6/2008 13:00	360	219	1300	4.773	4.773		0.7871	8.86E-03	2018.9229	743.9137	2762.8366		
	8/6/2008 14:00	361	219	1400	4.369	4.369		0.9524	1.12E-02	2552.7282	940.6052	3493.3334		
	8/6/2008 15:00	362	219	1500	4.009	4.009		1.1277	1.38E-02	3142.9594	1158.0880	4301.0475		
	8/6/2008 16:00	363	219	1600	4.13	4.13		1.0654	1.29E-02	2930.4763	1079.7943	4010.2705		
	8/6/2008 17:00	364	219	1700	4.092	4.092		1.0846	1.32E-02	2995.5549	1103.7738	4099.3288		
	8/6/2008 18:00	365	219	1800	4.519	4.519		0.8876	1.03E-02	2340.6118	862.4465	3203.0583		
	8/6/2008 19:00	366	219	1900	4.582	4.582		0.8616	9.91E-03	2256.6486	831.5086	3088.1572		
	8/6/2008 20:00	367	219	2000	5.024	5.024		0.6979	7.64E-03	1740.8199	641.4409	2382.2608		
	8/6/2008 21:00	368	219	2100	6.573	6.573		0.2977	2.68E-03	610.0476	224.7846	834.8322		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	7.753	7.753		0.1002	7.01E-04	159.6811	58.8378	218.5189		
	8/6/2008 23:00	370	219	2300	7.957	7.957		0.0720	4.67E-04	106.3037	39.1698	145.4735		
	8/7/2008 0:00	371	220	0	7.964	7.964	7.96	0.0711	4.59E-04	104.5940	38.5398	143.1339		
	8/7/2008 1:00	372	220	100	7.917	7.917		0.0774	5.10E-04	116.2300	42.8273	159.0573		
	8/7/2008 2:00	373	220	200	7.86	7.86		0.0852	5.74E-04	130.8324	48.2079	179.0403		
	8/7/2008 3:00	374	220	300	7.799	7.799		0.0937	6.46E-04	147.0499	54.1836	201.2335		
	8/7/2008 4:00	375	220	400	7.749	7.749		0.1008	7.06E-04	160.7957	59.2485	220.0442		
	8/7/2008 5:00	376	220	500	7.7	7.7		0.1078	7.67E-04	174.6616	64.3577	239.0193		
	8/7/2008 6:00	377	220	600	7.65	7.65		0.1150	8.31E-04	189.2141	69.7198	258.9339		
	8/7/2008 7:00	378	220	700	7.613	7.613		0.1205	8.79E-04	200.2460	73.7848	274.0308		
	8/7/2008 8:00	379	220	800	7.561	7.561		0.1282	9.49E-04	216.1305	79.6377	295.7682		
	8/7/2008 9:00	380	220	900	6.32	6.32		0.3497	3.26E-03	743.6124	273.9993	1017.6117		
	8/7/2008 10:00	381	220	1000	3.918	3.918		1.1771	1.45E-02	3313.3544	1220.8736	4534.2280		
	8/7/2008 11:00	382	220	1100	3.695	3.695		1.3085	1.66E-02	3774.3413	1390.7337	5165.0749		
	8/7/2008 12:00	383	220	1200	3.722	3.722		1.2918	1.63E-02	3714.9675	1368.8562	5083.8237		
	8/7/2008 13:00	384	220	1300	3.727	3.727		1.2887	1.63E-02	3704.0860	1364.8467	5068.9327		
	8/7/2008 14:00	385	220	1400	3.767	3.767		1.2644	1.59E-02	3618.2858	1333.2318	4951.5176		
	8/7/2008 15:00	386	220	1500	3.826	3.826		1.2295	1.53E-02	3495.6721	1288.0523	4783.7244		
	8/7/2008 16:00	387	220	1600	3.879	3.879		1.1990	1.49E-02	3389.3622	1248.8802	4638.2423		
	8/7/2008 17:00	388	220	1700	3.865	3.865		1.2070	1.50E-02	3417.1011	1259.1012	4676.2023		
	8/7/2008 18:00	389	220	1800	4.027	4.027		1.1182	1.37E-02	3110.3624	1146.0770	4256.4394		
	8/7/2008 19:00	390	220	1900	4.315	4.315		0.9768	1.16E-02	2633.5825	970.3977	3603.9802		
	8/7/2008 20:00	391	220	2000	5.164	5.164		0.6518	7.03E-03	1600.5671	589.7619	2190.3290		
	8/7/2008 21:00	392	220	2100	6.676	6.676		0.2777	2.46E-03	559.9458	206.3235	766.2693		
	8/7/2008 22:00	393	220	2200	7.505	7.505		0.1366	1.03E-03	233.7367	86.1251	319.8618		
	8/7/2008 23:00	394	220	2300	7.88	7.88		0.0825	5.52E-04	125.6478	46.2975	171.9454		
	8/8/2008 0:00	395	221	0	8.03	8.03	8.10	0.0623	3.90E-04	88.8812	32.7501	121.6313		
	8/8/2008 1:00	396	221	100	8.07	8.07		0.0570	3.50E-04	79.7216	29.3751	109.0967		
	8/8/2008 2:00	397	221	200	8.1	8.1		0.0531	3.21E-04	73.0360	26.9116	99.9476		
	8/8/2008 3:00	398	221	300	8.03	8.03		0.0623	3.90E-04	88.8812	32.7501	121.6313		
	8/8/2008 4:00	399	221	400	7.968	7.968		0.0705	4.55E-04	103.6208	38.1812	141.8020		
	8/8/2008 5:00	400	221	500	7.895	7.895		0.0804	5.35E-04	121.8026	44.8807	166.6832		
	8/8/2008 6:00	401	221	600	7.82	7.82		0.0908	6.21E-04	141.3982	52.1011	193.4993		
	8/8/2008 7:00	402	221	700	7.77	7.77		0.0978	6.80E-04	154.9729	57.1029	212.0758		
	8/8/2008 8:00	403	221	800	7.416	7.416		0.1502	1.15E-03	262.7963	96.8327	359.6290		
	8/8/2008 9:00	404	221	900	4.997	4.997		0.7070	7.77E-03	1769.0336	651.8368	2420.8705		
	8/8/2008 10:00	405	221	1000	4.028	4.028		1.1177	1.36E-02	3108.5618	1145.4135	4253.9754		
	8/8/2008 11:00	406	221	1100	4.026	4.026		1.1187	1.37E-02	3112.1640	1146.7408	4258.9049		
	8/8/2008 12:00	407	221	1200	3.946	3.946		1.1617	1.43E-02	3259.9071	1201.1798	4461.0870		
	8/8/2008 13:00	408	221	1300	3.894	3.894		1.1905	1.48E-02	3359.9099	1238.0279	4597.9378		
	8/8/2008 14:00	409	221	1400	3.889	3.889		1.1934	1.48E-02	3369.6967	1241.6341	4611.3308		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	3.941	3.941		1.1644	1.44E-02	3269.3837	1204.6717	4474.0553		
	8/8/2008 16:00	411	221	1600	3.981	3.981		1.1427	1.40E-02	3194.3804	1177.0351	4371.4155		
	8/8/2008 17:00	412	221	1700	4.095	4.095		1.0830	1.31E-02	2990.3634	1101.8609	4092.2243		
	8/8/2008 18:00	413	221	1800	4.33	4.33		0.9700	1.15E-02	2610.8731	962.0299	3572.9029		
	8/8/2008 19:00	414	221	1900	4.369	4.369		0.9524	1.12E-02	2552.7282	940.6052	3493.3334		
	8/8/2008 20:00	415	221	2000	5.043	5.043		0.6915	7.56E-03	1721.1975	634.2106	2355.4081		
	8/8/2008 21:00	416	221	2100	6.245	6.245		0.3659	3.45E-03	786.2687	289.7169	1075.9855		
	8/8/2008 22:00	417	221	2200	7.169	7.169		0.1898	1.54E-03	350.5842	129.1800	479.7641		
	8/8/2008 23:00	418	221	2300	7.466	7.466		0.1425	1.08E-03	246.3068	90.7568	337.0635		
	8/9/2008 0:00	419	222	0	7.59	7.59	8.06	0.1238	9.10E-04	207.2169	76.3533	283.5703		
	8/9/2008 1:00	420	222	100	7.599	7.599		0.1225	8.98E-04	204.4788	75.3444	279.8233		
	8/9/2008 2:00	421	222	200	7.656	7.656		0.1142	8.23E-04	187.4462	69.0684	256.5146		
	8/9/2008 3:00	422	222	300	7.653	7.653		0.1146	8.27E-04	188.3294	69.3938	257.7233		
	8/9/2008 4:00	423	222	400	7.555	7.555		0.1291	9.57E-04	217.9920	80.3236	298.3156		
	8/9/2008 5:00	424	222	500	7.412	7.412		0.1508	1.16E-03	264.1337	97.3255	361.4592		
	8/9/2008 6:00	425	222	600	7.35	7.35		0.1605	1.25E-03	285.2131	105.0926	390.3058		
	8/9/2008 7:00	426	222	700	6.896	6.896		0.2369	2.02E-03	460.5561	169.7014	630.2575		
	8/9/2008 8:00	427	222	800	6.149	6.149		0.3872	3.70E-03	843.0532	310.6403	1153.6934		
	8/9/2008 9:00	428	222	900	6.729	6.729		0.2676	2.35E-03	535.0727	197.1585	732.2312		
	8/9/2008 10:00	429	222	1000	6.869	6.869		0.2418	2.07E-03	472.2170	173.9981	646.2150		
	8/9/2008 11:00	430	222	1100	5.877	5.877		0.4514	4.47E-03	1018.2921	375.2107	1393.5028		
	8/9/2008 12:00	431	222	1200	4.95	4.95		0.7232	7.99E-03	1819.0871	670.2800	2489.3671		
	8/9/2008 13:00	432	222	1300	4.669	4.669		0.8269	9.42E-03	2145.3361	790.4932	2935.8294		
	8/9/2008 14:00	433	222	1400	4.264	4.264		1.0005	1.19E-02	2712.2716	999.3923	3711.6639		
	8/9/2008 15:00	434	222	1500	4.195	4.195		1.0334	1.24E-02	2822.4939	1040.0059	3862.4999		
	8/9/2008 16:00	435	222	1600	4.229	4.229		1.0170	1.21E-02	2767.6290	1019.7898	3787.4188		
	8/9/2008 17:00	436	222	1700	4.325	4.325		0.9723	1.15E-02	2618.4213	964.8112	3583.2325		
	8/9/2008 18:00	437	222	1800	4.325	4.325		0.9723	1.15E-02	2618.4213	964.8112	3583.2325		
	8/9/2008 19:00	438	222	1900	4.559	4.559		0.8710	1.00E-02	2286.9663	842.6798	3129.6461		
	8/9/2008 20:00	439	222	2000	5.241	5.241		0.6276	6.71E-03	1527.5283	562.8492	2090.3776		
	8/9/2008 21:00	440	222	2100	6.904	6.904		0.2355	2.01E-03	457.1290	168.4386	625.5676		
	8/9/2008 22:00	441	222	2200	7.929	7.929		0.0758	4.97E-04	113.2242	41.7198	154.9439		
	8/9/2008 23:00	442	222	2300	8.06	8.06		0.0583	3.60E-04	81.9854	30.2092	112.1946		
	8/10/2008 0:00	443	223	0	8.05	8.05	8.06	0.0596	3.70E-04	84.2666	31.0498	115.3164		
	8/10/2008 1:00	444	223	100	8.06	8.06		0.0583	3.60E-04	81.9854	30.2092	112.1946		
	8/10/2008 2:00	445	223	200	8.02	8.02		0.0636	4.00E-04	91.2143	33.6098	124.8240		
	8/10/2008 3:00	446	223	300	7.952	7.952		0.0727	4.72E-04	107.5299	39.6216	147.1515		
	8/10/2008 4:00	447	223	400	7.885	7.885		0.0818	5.46E-04	124.3620	45.8237	170.1857		
	8/10/2008 5:00	448	223	500	7.803	7.803		0.0932	6.41E-04	145.9679	53.7849	199.7527		
	8/10/2008 6:00	449	223	600	7.72	7.72		0.1049	7.42E-04	168.9548	62.2549	231.2097		
	8/10/2008 7:00	450	223	700	7.671	7.671		0.1120	8.04E-04	183.0523	67.4494	250.5017		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	7.61	7.61		0.1209	8.83E-04	201.1503	74.1180	275.2683		
	8/10/2008 9:00	452	223	900	6.306	6.306		0.3527	3.30E-03	751.4641	276.8924	1028.3566		
	8/10/2008 10:00	453	223	1000	3.978	3.978		1.1443	1.40E-02	3199.9420	1179.0845	4379.0265		
	8/10/2008 11:00	454	223	1100	3.727	3.727		1.2887	1.63E-02	3704.0860	1364.8467	5068.9327		
	8/10/2008 12:00	455	223	1200	3.817	3.817		1.2347	1.54E-02	3514.0800	1294.8351	4808.9151		
	8/10/2008 13:00	456	223	1300	3.82	3.82		1.2330	1.54E-02	3507.9324	1292.5698	4800.5023		
	8/10/2008 14:00	457	223	1400	3.84	3.84		1.2214	1.52E-02	3467.2449	1277.5777	4744.8225		
	8/10/2008 15:00	458	223	1500	3.987	3.987		1.1395	1.40E-02	3183.2876	1172.9478	4356.2353		
	8/10/2008 16:00	459	223	1600	3.965	3.965		1.1513	1.42E-02	3224.1610	1188.0084	4412.1694		
	8/10/2008 17:00	460	223	1700	4.149	4.149		1.0559	1.27E-02	2898.4832	1068.0057	3966.4889		
	8/10/2008 18:00	461	223	1800	6.575	6.575		0.2973	2.67E-03	609.0521	224.4178	833.4699		
	8/10/2008 19:00	462	223	1900	7.301	7.301		0.1683	1.33E-03	302.3411	111.4038	413.7449		
	8/10/2008 20:00	463	223	2000	7.195	7.195		0.1855	1.50E-03	340.8356	125.5879	466.4235		
	8/10/2008 21:00	464	223	2100	7.134	7.134		0.1957	1.60E-03	363.9011	134.0868	497.9880		
	8/10/2008 22:00	465	223	2200	7.438	7.438		0.1468	1.12E-03	255.4889	94.1401	349.6290		
	8/10/2008 23:00	466	223	2300	7.317	7.317		0.1658	1.30E-03	296.7025	109.3261	406.0286		
	8/11/2008 0:00	467	224	0	7.3	7.3	7.75	0.1685	1.33E-03	302.6950	111.5342	414.2292		
	8/11/2008 1:00	468	224	100	7.52	7.52		0.1343	1.01E-03	228.9697	84.3686	313.3382		
	8/11/2008 2:00	469	224	200	7.749	7.749		0.1008	7.06E-04	160.7957	59.2485	220.0442		
	8/11/2008 3:00	470	224	300	7.737	7.737		0.1025	7.21E-04	164.1553	60.4864	224.6417		
	8/11/2008 4:00	471	224	400	7.7	7.7		0.1078	7.67E-04	174.6616	64.3577	239.0193		
	8/11/2008 5:00	472	224	500	7.58	7.58		0.1253	9.23E-04	210.2749	77.4801	287.7550		
	8/11/2008 6:00	473	224	600	7.543	7.543		0.1308	9.73E-04	221.7329	81.7020	303.4349		
	8/11/2008 7:00	474	224	700	7.539	7.539		0.1314	9.79E-04	222.9851	82.1635	305.1486		
	8/11/2008 8:00	475	224	800	7.349	7.349		0.1607	1.25E-03	285.5585	105.2199	390.7784		
	8/11/2008 9:00	476	224	900	6.196	6.196		0.3767	3.58E-03	814.9397	300.2813	1115.2210		
	8/11/2008 10:00	477	224	1000	4.594	4.594		0.8568	9.84E-03	2240.9811	825.7356	3066.7166		
	8/11/2008 11:00	478	224	1100	4.08	4.08		1.0907	1.32E-02	3016.4143	1111.4599	4127.8742		
	8/11/2008 12:00	479	224	1200	4.128	4.128		1.0664	1.29E-02	2933.8650	1081.0429	4014.9079		
	8/11/2008 13:00	480	224	1300	4.361	4.361		0.9560	1.13E-02	2564.5506	944.9614	3509.5120		
	8/11/2008 14:00	481	224	1400	4.157	4.157		1.0520	1.27E-02	2885.1195	1063.0816	3948.2011		
	8/11/2008 15:00	482	224	1500	4.172	4.172		1.0446	1.26E-02	2860.2317	1053.9112	3914.1430		
	8/11/2008 16:00	483	224	1600	4.41	4.41		0.9342	1.09E-02	2492.9700	918.5861	3411.5561		
	8/11/2008 17:00	484	224	1700	4.375	4.375		0.9497	1.12E-02	2543.8964	937.3510	3481.2474		
	8/11/2008 18:00	485	224	1800	4.665	4.665		0.8285	9.44E-03	2150.3400	792.3370	2942.6770		
	8/11/2008 19:00	486	224	1900	4.778	4.778		0.7853	8.84E-03	2013.0197	741.7385	2754.7582		
	8/11/2008 20:00	487	224	2000	5.469	5.469		0.5597	5.82E-03	1326.8309	488.8981	1815.7291		
	8/11/2008 21:00	488	224	2100	6.434	6.434		0.3258	2.99E-03	681.5143	251.1180	932.6322		
	8/11/2008 22:00	489	224	2200	7.213	7.213		0.1826	1.47E-03	334.1580	123.1274	457.2854		
	8/11/2008 23:00	490	224	2300	7.524	7.524		0.1337	1.00E-03	227.7048	83.9025	311.6073		
	8/12/2008 0:00	491	225	0	7.667	7.667	7.76	0.1126	8.09E-04	184.2204	67.8798	252.1003		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	7.696	7.696		0.1084	7.72E-04	175.8108	64.7811	240.5919		
	8/12/2008 2:00	493	225	200	7.624	7.624		0.1188	8.65E-04	196.9428	72.5676	269.5105		
	8/12/2008 3:00	494	225	300	7.746	7.746		0.1012	7.10E-04	161.6334	59.5572	221.1906		
	8/12/2008 4:00	495	225	400	7.735	7.735		0.1028	7.23E-04	164.7175	60.6936	225.4111		
	8/12/2008 5:00	496	225	500	7.664	7.664		0.1130	8.13E-04	185.0982	68.2033	253.3015		
	8/12/2008 6:00	497	225	600	7.577	7.577		0.1258	9.27E-04	211.1955	77.8193	289.0148		
	8/12/2008 7:00	498	225	700	7.489	7.489		0.1390	1.05E-03	238.8628	88.0139	326.8768		
	8/12/2008 8:00	499	225	800	7.375	7.375		0.1566	1.21E-03	276.6342	101.9316	378.5657		
	8/12/2008 9:00	500	225	900	6.198	6.198		0.3763	3.57E-03	813.7568	299.8454	1113.6022		
	8/12/2008 10:00	501	225	1000	4.465	4.465		0.9104	1.06E-02	2414.9369	889.8332	3304.7701		
	8/12/2008 11:00	502	225	1100	3.88	3.88		1.1985	1.49E-02	3387.3901	1248.1535	4635.5436		
	8/12/2008 12:00	503	225	1200	3.823	3.823		1.2312	1.54E-02	3501.7964	1290.3089	4792.1054		
	8/12/2008 13:00	504	225	1300	3.795	3.795		1.2477	1.56E-02	3559.5220	1311.5791	4871.1011		
	8/12/2008 14:00	505	225	1400	3.804	3.804		1.2424	1.55E-02	3540.8553	1304.7010	4845.5563		
	8/12/2008 15:00	506	225	1500	3.819	3.819		1.2336	1.54E-02	3509.9803	1293.3244	4803.3048		
	8/12/2008 16:00	507	225	1600	3.875	3.875		1.2013	1.49E-02	3397.2628	1251.7913	4649.0541		
	8/12/2008 17:00	508	225	1700	3.913	3.913		1.1799	1.46E-02	3322.9963	1224.4263	4547.4227		
	8/12/2008 18:00	509	225	1800	4.009	4.009		1.1277	1.38E-02	3142.9594	1158.0880	4301.0475		
	8/12/2008 19:00	510	225	1900	4.215	4.215		1.0237	1.22E-02	2790.0888	1028.0656	3818.1544		
	8/12/2008 20:00	511	225	2000	5.024	5.024		0.6979	7.64E-03	1740.8199	641.4409	2382.2608		
	8/12/2008 21:00	512	225	2100	6.849	6.849		0.2454	2.11E-03	480.9493	177.2157	658.1650		
	8/12/2008 22:00	513	225	2200	7.635	7.635		0.1172	8.50E-04	193.6595	71.3578	265.0173		
	8/12/2008 23:00	514	225	2300	7.763	7.763		0.0988	6.89E-04	156.9059	57.8152	214.7210		
	8/13/2008 0:00	515	226	0	7.771	7.771	7.77	0.0977	6.79E-04	154.6974	57.0014	211.6988		
	8/13/2008 1:00	516	226	100	7.739	7.739		0.1022	7.18E-04	163.5937	60.2795	223.8732		
	8/13/2008 2:00	517	226	200	7.701	7.701		0.1076	7.66E-04	174.3748	64.2520	238.6267		
	8/13/2008 3:00	518	226	300	7.699	7.699		0.1079	7.68E-04	174.9487	64.4634	239.4121		
	8/13/2008 4:00	519	226	400	7.63	7.63		0.1180	8.57E-04	195.1494	71.9068	267.0563		
	8/13/2008 5:00	520	226	500	7.612	7.612		0.1206	8.80E-04	200.5473	73.8958	274.4431		
	8/13/2008 6:00	521	226	600	7.609	7.609		0.1210	8.84E-04	201.4521	74.2292	275.6813		
	8/13/2008 7:00	522	226	700	7.554	7.554		0.1292	9.58E-04	218.3028	80.4382	298.7410		
	8/13/2008 8:00	523	226	800	7.408	7.408		0.1515	1.17E-03	265.4739	97.8193	363.2932		
	8/13/2008 9:00	524	226	900	5.427	5.427		0.5718	5.98E-03	1362.1430	501.9096	1864.0526		
	8/13/2008 10:00	525	226	1000	3.946	3.946		1.1617	1.43E-02	3259.9071	1201.1798	4461.0870		
	8/13/2008 11:00	526	226	1100	3.936	3.936		1.1672	1.44E-02	3278.8895	1208.1743	4487.0637		
	8/13/2008 12:00	527	226	1200	3.746	3.746		1.2771	1.61E-02	3663.0554	1349.7281	5012.7835		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.232	4.232	7.97	0.8842	1.02E-02	3737.8358	1377.2825	5115.1182		
W605WN1	7/22/2008 14:00	1	204	1400	4.548	4.548		0.7533	8.40E-03	3068.6929	1130.7230	4199.4158		
30" NE	7/22/2008 15:00	2	204	1500	4.533	4.533		0.7591	8.48E-03	3097.8128	1141.4529	4239.2657		
Probe #	7/22/2008 16:00	3	204	1600	4.569	4.569		0.7452	8.29E-03	3028.3320	1115.8512	4144.1832		
	7/22/2008 17:00	4	204	1700	4.538	4.538		0.7572	8.45E-03	3088.0791	1137.8662	4225.9453		
12	7/22/2008 18:00	5	204	1800	4.608	4.608		0.7305	8.08E-03	2954.6142	1088.6884	4043.3026		
	7/22/2008 19:00	6	204	1900	4.802	4.802		0.6606	7.14E-03	2610.4636	961.8790	3572.3425		
	7/22/2008 20:00	7	204	2000	5.247	5.247		0.5197	5.32E-03	1943.2338	716.0244	2659.2582		
	7/22/2008 21:00	8	204	2100	6.397	6.397		0.2465	2.12E-03	775.8559	285.8801	1061.7360		
DBH (cm)	7/22/2008 22:00	9	204	2200	7.502	7.502		0.0629	3.95E-04	144.4398	53.2218	197.6616		
	7/22/2008 23:00	10	204	2300	7.974	7.974		0.0000	0.00E+00	0.0000	0.0000	0.0000		
13.7	7/23/2008 0:00	11	205	0	8.24	8.24	8.43	-0.0323	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	8.34	8.34		-0.0439	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	8.39	8.39		-0.0496	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	8.43	8.43		-0.0541	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	8.41	8.41		-0.0518	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	8.35	8.35		-0.0450	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	8.21	8.21		-0.0287	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	7.913	7.913		0.0077	2.98E-05	10.8966	4.0151	14.9116		
	7/23/2008 8:00	19	205	800	7.246	7.246		0.1005	7.03E-04	256.9862	94.6919	351.6781		
	7/23/2008 9:00	20	205	900	6.28	6.28		0.2697	2.37E-03	866.7847	319.3847	1186.1694		
	7/23/2008 10:00	21	205	1000	5.362	5.362		0.4871	4.91E-03	1794.3197	661.1540	2455.4738		
	7/23/2008 11:00	22	205	1100	5.102	5.102		0.5629	5.87E-03	2143.8960	789.9626	2933.8585		
	7/23/2008 12:00	23	205	1200	4.919	4.919		0.6211	6.62E-03	2419.6670	891.5761	3311.2431		
	7/23/2008 13:00	24	205	1300	4.801	4.801		0.6609	7.15E-03	2612.1463	962.4990	3574.6453		
	7/23/2008 14:00	25	205	1400	4.772	4.772		0.6710	7.28E-03	2661.3414	980.6260	3641.9673		
	7/23/2008 15:00	26	205	1500	4.736	4.736		0.6837	7.45E-03	2723.4924	1003.5268	3727.0192		
	7/23/2008 16:00	27	205	1600	4.876	4.876		0.6354	6.81E-03	2488.4102	916.9059	3405.3161		
	7/23/2008 17:00	28	205	1700	5.207	5.207		0.5314	5.46E-03	1997.1061	735.8748	2732.9809		
	7/23/2008 18:00	29	205	1800	5.691	5.691		0.4012	3.87E-03	1412.8329	520.5873	1933.4202		
	7/23/2008 19:00	30	205	1900	5.844	5.844		0.3645	3.44E-03	1255.5158	462.6206	1718.1365		
	7/23/2008 20:00	31	205	2000	6.152	6.152		0.2962	2.66E-03	972.4407	358.3158	1330.7564		
	7/23/2008 21:00	32	205	2100	6.668	6.668		0.1959	1.60E-03	584.5136	215.3761	799.8897		
	7/23/2008 22:00	33	205	2200	7.317	7.317		0.0898	6.12E-04	223.7877	82.4592	306.2468		
	7/23/2008 23:00	34	205	2300	7.567	7.567		0.0538	3.26E-04	119.0866	43.8799	162.9665		
	7/24/2008 0:00	35	206	0	7.617	7.617	8.11	0.0469	2.75E-04	100.5231	37.0398	137.5628		
	7/24/2008 1:00	36	206	100	7.693	7.693		0.0365	2.02E-04	73.9573	27.2511	101.2083		
	7/24/2008 2:00	37	206	200	7.765	7.765		0.0269	1.39E-04	50.7859	18.7131	69.4990		
	7/24/2008 3:00	38	206	300	7.872	7.872		0.0130	5.65E-05	20.6497	7.6088	28.2585		
	7/24/2008 4:00	39	206	400	7.933	7.933		0.0052	1.82E-05	6.6610	2.4544	9.1153		
	7/24/2008 5:00	40	206	500	8.04	8.04		-0.0082	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	8.11	8.11		-0.0168	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	8.08	8.08		-0.0131	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	7.8	7.8		0.0223	1.10E-04	40.3046	14.8511	55.1557		
	7/24/2008 9:00	44	206	900	7.439	7.439		0.0719	4.66E-04	170.2849	62.7450	233.0299		
	7/24/2008 10:00	45	206	1000	7.502	7.502		0.0629	3.95E-04	144.4398	53.2218	197.6616		
	7/24/2008 11:00	46	206	1100	6.099	6.099		0.3074	2.79E-03	1018.1654	375.1640	1393.3294		
	7/24/2008 12:00	47	206	1200	5.093	5.093		0.5657	5.90E-03	2156.8519	794.7364	2951.5883		
	7/24/2008 13:00	48	206	1300	5.311	5.311		0.5014	5.09E-03	1859.2896	685.0935	2544.3831		
	7/24/2008 14:00	49	206	1400	5.167	5.167		0.5433	5.61E-03	2052.0929	756.1359	2808.2288		
	7/24/2008 15:00	50	206	1500	4.853	4.853		0.6431	6.91E-03	2525.8300	930.6940	3456.5241		
	7/24/2008 16:00	51	206	1600	4.771	4.771		0.6713	7.29E-03	2663.0515	981.2561	3644.3076		
	7/24/2008 17:00	52	206	1700	4.911	4.911		0.6237	6.66E-03	2432.3380	896.2450	3328.5830		
	7/24/2008 18:00	53	206	1800	4.832	4.832		0.6502	7.01E-03	2560.3995	943.4318	3503.8313		
	7/24/2008 19:00	54	206	1900	5.188	5.188		0.5370	5.54E-03	2023.0842	745.4470	2768.5312		
	7/24/2008 20:00	55	206	2000	5.809	5.809		0.3727	3.53E-03	1290.4674	475.4993	1765.9667		
	7/24/2008 21:00	56	206	2100	6.918	6.918		0.1526	1.18E-03	430.0524	158.4617	588.5141		
	7/24/2008 22:00	57	206	2200	7.821	7.821		0.0196	9.38E-05	34.2891	12.6345	46.9237		
	7/24/2008 23:00	58	206	2300	8.1	8.1		-0.0156	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	8.2	8.2	8.28	-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	8.22	8.22		-0.0299	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	8.21	8.21		-0.0287	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	8.2	8.2		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	8.21	8.21		-0.0287	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	8.24	8.24		-0.0323	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	8.28	8.28		-0.0370	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	8.28	8.28		-0.0370	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	8.26	8.26		-0.0346	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	8.22	8.22		-0.0299	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	8.09	8.09		-0.0143	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 11:00	70	207	1100	7.409	7.409		0.0763	5.01E-04	183.0226	67.4384	250.4611		
	7/25/2008 12:00	71	207	1200	6.228	6.228		0.2803	2.49E-03	908.9092	334.9063	1243.8155		
	7/25/2008 13:00	72	207	1300	5.513	5.513		0.4464	4.41E-03	1611.4504	593.7720	2205.2224		
	7/25/2008 14:00	73	207	1400	5.033	5.033		0.5843	6.14E-03	2244.7893	827.1388	3071.9281		
	7/25/2008 15:00	74	207	1500	4.923	4.923		0.6197	6.60E-03	2413.3516	889.2490	3302.6006		
	7/25/2008 16:00	75	207	1600	4.954	4.954		0.6096	6.47E-03	2364.8569	871.3802	3236.2371		
	7/25/2008 17:00	76	207	1700	4.703	4.703		0.6955	7.61E-03	2781.5400	1024.9156	3806.4557		
	7/25/2008 18:00	77	207	1800	4.778	4.778		0.6689	7.25E-03	2651.0999	976.8523	3627.9522		
	7/25/2008 19:00	78	207	1900	4.904	4.904		0.6260	6.69E-03	2443.4693	900.3465	3343.8158		
	7/25/2008 20:00	79	207	2000	5.472	5.472		0.4572	4.54E-03	1659.7436	611.5667	2271.3103		
	7/25/2008 21:00	80	207	2100	6.704	6.704		0.1894	1.54E-03	561.0123	206.7165	767.7288		
	7/25/2008 22:00	81	207	2200	7.761	7.761		0.0274	1.42E-04	52.0180	19.1671	71.1851		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	8.05	8.05		-0.0094	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	8.1	8.1	8.10	-0.0156	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	8.1	8.1		-0.0156	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	8.08	8.08		-0.0131	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	8.04	8.04		-0.0082	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	7.986	7.986		-0.0015	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	7.934	7.934		0.0050	1.77E-05	6.4605	2.3805	8.8410		
	7/26/2008 6:00	89	208	600	7.859	7.859		0.0146	6.56E-05	23.9844	8.8375	32.8220		
	7/26/2008 7:00	90	208	700	7.778	7.778		0.0252	1.28E-04	46.8291	17.2552	64.0843		
	7/26/2008 8:00	91	208	800	7.694	7.694		0.0364	2.01E-04	73.6216	27.1274	100.7490		
	7/26/2008 9:00	92	208	900	7.005	7.005		0.1383	1.04E-03	380.9556	140.3709	521.3265		
	7/26/2008 10:00	93	208	1000	5.433	5.433		0.4677	4.67E-03	1706.6090	628.8352	2335.4442		
	7/26/2008 11:00	94	208	1100	5.154	5.154		0.5471	5.66E-03	2070.2083	762.8108	2833.0191		
	7/26/2008 12:00	95	208	1200	5.419	5.419		0.4715	4.72E-03	1723.6572	635.1169	2358.7741		
	7/26/2008 13:00	96	208	1300	4.944	4.944		0.6129	6.51E-03	2380.4138	877.1124	3257.5262		
	7/26/2008 14:00	97	208	1400	4.847	4.847		0.6451	6.94E-03	2535.6675	934.3188	3469.9863		
	7/26/2008 15:00	98	208	1500	4.759	4.759		0.6756	7.34E-03	2683.6453	988.8443	3672.4896		
	7/26/2008 16:00	99	208	1600	4.811	4.811		0.6575	7.10E-03	2595.3596	956.3136	3551.6733		
	7/26/2008 17:00	100	208	1700	4.573	4.573		0.7437	8.27E-03	3020.6976	1113.0382	4133.7357		
	7/26/2008 18:00	101	208	1800	4.754	4.754		0.6773	7.37E-03	2692.2656	992.0206	3684.2862		
	7/26/2008 19:00	102	208	1900	4.901	4.901		0.6270	6.70E-03	2448.2525	902.1090	3350.3615		
	7/26/2008 20:00	103	208	2000	5.308	5.308		0.5023	5.10E-03	1863.1638	686.5210	2549.6849		
	7/26/2008 21:00	104	208	2100	6.5	6.5		0.2268	1.92E-03	700.0535	257.9491	958.0026		
	7/26/2008 22:00	105	208	2200	7.505	7.505		0.0625	3.92E-04	143.2400	52.7797	196.0197		
	7/26/2008 23:00	106	208	2300	7.822	7.822		0.0194	9.31E-05	34.0081	12.5310	46.5391		
	7/27/2008 0:00	107	209	0	7.869	7.869	7.87	0.0133	5.86E-05	21.4099	7.8889	29.2988		
	7/27/2008 1:00	108	209	100	7.822	7.822		0.0194	9.31E-05	34.0081	12.5310	46.5391		
	7/27/2008 2:00	109	209	200	7.761	7.761		0.0274	1.42E-04	52.0180	19.1671	71.1851		
	7/27/2008 3:00	110	209	300	7.725	7.725		0.0322	1.73E-04	63.4053	23.3630	86.7683		
	7/27/2008 4:00	111	209	400	7.685	7.685		0.0376	2.10E-04	76.6558	28.2454	104.9012		
	7/27/2008 5:00	112	209	500	7.615	7.615		0.0471	2.77E-04	101.2495	37.3075	138.5569		
	7/27/2008 6:00	113	209	600	7.556	7.556		0.0553	3.37E-04	123.2815	45.4256	168.7071		
	7/27/2008 7:00	114	209	700	7.487	7.487		0.0650	4.12E-04	150.4812	55.4479	205.9292		
	7/27/2008 8:00	115	209	800	7.388	7.388		0.0793	5.26E-04	192.1023	70.7840	262.8863		
	7/27/2008 9:00	116	209	900	6.211	6.211		0.2839	2.53E-03	922.9155	340.0672	1262.9826		
	7/27/2008 10:00	117	209	1000	4.671	4.671		0.7071	7.77E-03	2838.8345	1046.0270	3884.8614		
	7/27/2008 11:00	118	209	1100	4.46	4.46		0.7879	8.87E-03	3243.0819	1194.9802	4438.0621		
	7/27/2008 12:00	119	209	1200	4.41	4.41		0.8082	9.16E-03	3346.0973	1232.9384	4579.0357		
	7/27/2008 13:00	120	209	1300	4.476	4.476		0.7815	8.79E-03	3210.7291	1183.0592	4393.7882		
	7/27/2008 14:00	121	209	1400	4.372	4.372		0.8239	9.38E-03	3426.3774	1262.5192	4688.8967		
	7/27/2008 15:00	122	209	1500	4.357	4.357		0.8302	9.46E-03	3458.5519	1274.3746	4732.9264		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.387	4.387		0.8176	9.29E-03	3394.4790	1250.7656	4645.2447		
	7/27/2008 17:00	124	209	1700	4.352	4.352		0.8323	9.49E-03	3469.3386	1278.3491	4747.6877		
	7/27/2008 18:00	125	209	1800	4.453	4.453		0.7907	8.91E-03	3257.3286	1200.2297	4457.5583		
	7/27/2008 19:00	126	209	1900	4.602	4.602		0.7327	8.12E-03	2965.8520	1092.8292	4058.6812		
	7/27/2008 20:00	127	209	2000	5.045	5.045		0.5806	6.09E-03	2226.9815	820.5771	3047.5586		
	7/27/2008 21:00	128	209	2100	6.09	6.09		0.3094	2.81E-03	1026.0484	378.0686	1404.1171		
	7/27/2008 22:00	129	209	2200	6.925	6.925		0.1515	1.17E-03	426.0152	156.9740	582.9892		
	7/27/2008 23:00	130	209	2300	7.19	7.19		0.1090	7.78E-04	284.2346	104.7321	388.9667		
	7/28/2008 0:00	131	210	0	7.291	7.291	7.56	0.0937	6.45E-04	235.7698	86.8742	322.6440		
	7/28/2008 1:00	132	210	100	7.403	7.403		0.0771	5.08E-04	185.6031	68.3893	253.9924		
	7/28/2008 2:00	133	210	200	7.414	7.414		0.0755	4.95E-04	180.8806	66.6492	247.5297		
	7/28/2008 3:00	134	210	300	7.513	7.513		0.0614	3.83E-04	140.0544	51.6059	191.6603		
	7/28/2008 4:00	135	210	400	7.528	7.528		0.0592	3.67E-04	134.1361	49.4252	183.5613		
	7/28/2008 5:00	136	210	500	7.555	7.555		0.0555	3.38E-04	123.6648	45.5668	169.2316		
	7/28/2008 6:00	137	210	600	7.54	7.54		0.0576	3.54E-04	129.4532	47.6997	177.1529		
	7/28/2008 7:00	138	210	700	7.29	7.29		0.0938	6.46E-04	236.2347	87.0455	323.2802		
	7/28/2008 8:00	139	210	800	6.059	6.059		0.3161	2.88E-03	1053.4680	388.1720	1441.6400		
	7/28/2008 9:00	140	210	900	5.064	5.064		0.5746	6.02E-03	2199.0125	810.2714	3009.2838		
	7/28/2008 10:00	141	210	1000	4.557	4.557		0.7498	8.35E-03	3051.3375	1124.3281	4175.6656		
	7/28/2008 11:00	142	210	1100	4.427	4.427		0.8012	9.06E-03	3310.7430	1219.9113	4530.6543		
	7/28/2008 12:00	143	210	1200	4.392	4.392		0.8156	9.26E-03	3383.9071	1246.8701	4630.7772		
	7/28/2008 13:00	144	210	1300	4.439	4.439		0.7964	8.99E-03	3285.9922	1210.7914	4496.7836		
	7/28/2008 14:00	145	210	1400	4.404	4.404		0.8106	9.19E-03	3358.6574	1237.5664	4596.2237		
	7/28/2008 15:00	146	210	1500	4.329	4.329		0.8420	9.63E-03	3519.3601	1296.7806	4816.1407		
	7/28/2008 16:00	147	210	1600	4.37	4.37		0.8247	9.39E-03	3430.6513	1264.0940	4694.7454		
	7/28/2008 17:00	148	210	1700	4.332	4.332		0.8407	9.61E-03	3512.7978	1294.3626	4807.1604		
	7/28/2008 18:00	149	210	1800	4.479	4.479		0.7803	8.77E-03	3204.6954	1180.8359	4385.5313		
	7/28/2008 19:00	150	210	1900	4.717	4.717		0.6905	7.54E-03	2756.7865	1015.7947	3772.5812		
	7/28/2008 20:00	151	210	2000	5.154	5.154		0.5471	5.66E-03	2070.2083	762.8108	2833.0191		
	7/28/2008 21:00	152	210	2100	6.35	6.35		0.2557	2.22E-03	811.7534	299.1072	1110.8606		
	7/28/2008 22:00	153	210	2200	6.908	6.908		0.1543	1.19E-03	435.8465	160.5966	596.4431		
	7/28/2008 23:00	154	210	2300	7.152	7.152		0.1149	8.30E-04	303.2593	111.7421	415.0014		
	7/29/2008 0:00	155	211	0	7.293	7.293	7.36	0.0934	6.43E-04	234.8409	86.5320	321.3728		
	7/29/2008 1:00	156	211	100	7.333	7.333		0.0874	5.92E-04	216.5148	79.7793	296.2942		
	7/29/2008 2:00	157	211	200	7.364	7.364		0.0828	5.54E-04	202.6428	74.6679	277.3107		
	7/29/2008 3:00	158	211	300	7.346	7.346		0.0855	5.76E-04	210.6623	77.6229	288.2851		
	7/29/2008 4:00	159	211	400	7.316	7.316		0.0899	6.14E-04	224.2448	82.6276	306.8724		
	7/29/2008 5:00	160	211	500	7.205	7.205		0.1067	7.57E-04	276.8440	102.0089	378.8528		
	7/29/2008 6:00	161	211	600	7.11	7.11		0.1215	8.89E-04	324.7911	119.6760	444.4670		
	7/29/2008 7:00	162	211	700	6.94	6.94		0.1490	1.14E-03	417.4154	153.8053	571.2207		
	7/29/2008 8:00	163	211	800	6.309	6.309		0.2639	2.31E-03	843.7556	310.8991	1154.6547		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.008	5.008		0.5923	6.24E-03	2282.2492	840.9417	3123.1909		
	7/29/2008 10:00	165	211	1000	4.205	4.205		0.8963	1.04E-02	3800.8926	1400.5170	5201.4096		
	7/29/2008 11:00	166	211	1100	4.47	4.47		0.7839	8.82E-03	3222.8271	1187.5169	4410.3440		
	7/29/2008 12:00	167	211	1200	4.093	4.093		0.9482	1.11E-02	4073.5533	1500.9845	5574.5378		
	7/29/2008 13:00	168	211	1300	4.176	4.176		0.9095	1.06E-02	3869.7522	1425.8898	5295.6420		
	7/29/2008 14:00	169	211	1400	4.093	4.093		0.9482	1.11E-02	4073.5533	1500.9845	5574.5378		
	7/29/2008 15:00	170	211	1500	4.32	4.32		0.8458	9.68E-03	3539.1156	1304.0599	4843.1755		
	7/29/2008 16:00	171	211	1600	4.489	4.489		0.7763	8.71E-03	3184.6567	1173.4523	4358.1090		
	7/29/2008 17:00	172	211	1700	4.751	4.751		0.6784	7.38E-03	2697.4489	993.9305	3691.3794		
	7/29/2008 18:00	173	211	1800	4.745	4.745		0.6805	7.41E-03	2707.8409	997.7597	3705.6006		
	7/29/2008 19:00	174	211	1900	4.771	4.771		0.6713	7.29E-03	2663.0515	981.2561	3644.3076		
	7/29/2008 20:00	175	211	2000	5.302	5.302		0.5040	5.12E-03	1870.9300	689.3826	2560.3126		
	7/29/2008 21:00	176	211	2100	6.353	6.353		0.2552	2.21E-03	809.4371	298.2537	1107.6908		
	7/29/2008 22:00	177	211	2200	7.046	7.046		0.1317	9.81E-04	358.6256	132.1430	490.7686		
	7/29/2008 23:00	178	211	2300	7.131	7.131		0.1182	8.59E-04	313.9588	115.6846	429.6434		
	7/30/2008 0:00	179	212	0	7.065	7.065	7.07	0.1287	9.53E-04	348.4514	128.3941	476.8455		
	7/30/2008 1:00	180	212	100	7.028	7.028		0.1346	1.01E-03	368.3658	135.7319	504.0977		
	7/30/2008 2:00	181	212	200	6.999	6.999		0.1393	1.05E-03	384.2665	141.5909	525.8574		
	7/30/2008 3:00	182	212	300	6.97	6.97		0.1440	1.10E-03	400.4256	147.5450	547.9706		
	7/30/2008 4:00	183	212	400	6.933	6.933		0.1502	1.15E-03	421.4199	155.2808	576.7007		
	7/30/2008 5:00	184	212	500	6.887	6.887		0.1578	1.23E-03	448.1163	165.1177	613.2339		
	7/30/2008 6:00	185	212	600	6.842	6.842		0.1654	1.30E-03	474.8777	174.9784	649.8561		
	7/30/2008 7:00	186	212	700	6.809	6.809		0.1711	1.35E-03	494.9129	182.3608	677.2738		
	7/30/2008 8:00	187	212	800	6.799	6.799		0.1728	1.37E-03	501.0533	184.6234	685.6767		
	7/30/2008 9:00	188	212	900	6.252	6.252		0.2754	2.43E-03	889.3334	327.6932	1217.0266		
	7/30/2008 10:00	189	212	1000	4.269	4.269		0.8679	1.00E-02	3653.0360	1346.0363	4999.0723		
	7/30/2008 11:00	190	212	1100	3.642	3.642		1.1895	1.47E-02	5384.6958	1984.1019	7368.7978		
	7/30/2008 12:00	191	212	1200	3.653	3.653		1.1829	1.46E-02	5347.9785	1970.5727	7318.5511		
	7/30/2008 13:00	192	212	1300	3.658	3.658		1.1799	1.46E-02	5331.3773	1964.4556	7295.8329		
	7/30/2008 14:00	193	212	1400	3.656	3.656		1.1811	1.46E-02	5338.0111	1966.9000	7304.9111		
	7/30/2008 15:00	194	212	1500	3.83	3.83		1.0820	1.31E-02	4792.1807	1765.7775	6557.9582		
	7/30/2008 16:00	195	212	1600	3.811	3.811		1.0924	1.33E-02	4848.8362	1786.6534	6635.4896		
	7/30/2008 17:00	196	212	1700	3.878	3.878		1.0562	1.27E-02	4652.0680	1714.1501	6366.2181		
	7/30/2008 18:00	197	212	1800	4.093	4.093		0.9482	1.11E-02	4073.5533	1500.9845	5574.5378		
	7/30/2008 19:00	198	212	1900	4.258	4.258		0.8727	1.01E-02	3678.0548	1355.2549	5033.3097		
	7/30/2008 20:00	199	212	2000	4.779	4.779		0.6685	7.25E-03	2649.3962	976.2245	3625.6207		
	7/30/2008 21:00	200	212	2100	5.933	5.933		0.3440	3.20E-03	1169.2925	430.8499	1600.1424		
	7/30/2008 22:00	201	212	2200	6.726	6.726		0.1855	1.50E-03	546.8631	201.5030	748.3661		
	7/30/2008 23:00	202	212	2300	6.991	6.991		0.1406	1.06E-03	388.6983	143.2239	531.9222		
	7/31/2008 0:00	203	213	0	7.08	7.08	7.08	0.1263	9.32E-04	340.4965	125.4630	465.9595		
	7/31/2008 1:00	204	213	100	7.072	7.072		0.1275	9.43E-04	344.7307	127.0231	471.7537		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	7.067	7.067		0.1283	9.51E-04	347.3868	128.0018	475.3886		
	7/31/2008 3:00	206	213	300	7.059	7.059		0.1296	9.62E-04	351.6525	129.5736	481.2261		
	7/31/2008 4:00	207	213	400	7.022	7.022		0.1356	1.02E-03	371.6345	136.9364	508.5708		
	7/31/2008 5:00	208	213	500	6.973	6.973		0.1436	1.09E-03	398.7419	146.9247	545.6666		
	7/31/2008 6:00	209	213	600	6.934	6.934		0.1500	1.15E-03	420.8469	155.0697	575.9166		
	7/31/2008 7:00	210	213	700	6.889	6.889		0.1575	1.22E-03	446.9417	164.6849	611.6266		
	7/31/2008 8:00	211	213	800	6.828	6.828		0.1678	1.32E-03	483.3349	178.0947	661.4295		
	7/31/2008 9:00	212	213	900	5.881	5.881		0.3559	3.34E-03	1219.2133	449.2442	1668.4575		
	7/31/2008 10:00	213	213	1000	4.015	4.015		0.9861	1.17E-02	4274.6248	1575.0734	5849.6983		
	7/31/2008 11:00	214	213	1100	3.769	3.769		1.1157	1.36E-02	4976.5542	1833.7137	6810.2679		
	7/31/2008 12:00	215	213	1200	3.573	3.573		1.2317	1.54E-02	5621.2805	2071.2764	7692.5569		
	7/31/2008 13:00	216	213	1300	3.715	3.715		1.1464	1.41E-02	5145.9500	1896.1311	7042.0811		
	7/31/2008 14:00	217	213	1400	3.542	3.542		1.2513	1.57E-02	5731.2122	2111.7830	7842.9951		
	7/31/2008 15:00	218	213	1500	3.585	3.585		1.2243	1.53E-02	5579.3427	2055.8236	7635.1663		
	7/31/2008 16:00	219	213	1600	3.739	3.739		1.1327	1.39E-02	5069.9274	1868.1190	6938.0464		
	7/31/2008 17:00	220	213	1700	3.798	3.798		1.0995	1.34E-02	4887.9997	1801.0840	6689.0837		
	7/31/2008 18:00	221	213	1800	3.985	3.985		1.0010	1.19E-02	4354.5524	1604.5244	5959.0768		
	7/31/2008 19:00	222	213	1900	4.346	4.346		0.8348	9.53E-03	3482.3237	1283.1338	4765.4575		
	7/31/2008 20:00	223	213	2000	5.11	5.11		0.5605	5.83E-03	2132.4302	785.7377	2918.1679		
	7/31/2008 21:00	224	213	2100	5.754	5.754		0.3858	3.68E-03	1346.6191	496.1895	1842.8087		
	7/31/2008 22:00	225	213	2200	6.445	6.445		0.2372	2.02E-03	740.0471	272.6856	1012.7327		
	7/31/2008 23:00	226	213	2300	6.488	6.488		0.2290	1.94E-03	708.6860	261.1299	969.8160		
	8/1/2008 0:00	227	214	0	6.659	6.659	7.00	0.1975	1.62E-03	590.4570	217.5660	808.0230		
	8/1/2008 1:00	228	214	100	6.889	6.889		0.1575	1.22E-03	446.9417	164.6849	611.6266		
	8/1/2008 2:00	229	214	200	6.97	6.97		0.1440	1.10E-03	400.4256	147.5450	547.9706		
	8/1/2008 3:00	230	214	300	6.974	6.974		0.1434	1.09E-03	398.1813	146.7181	544.8994		
	8/1/2008 4:00	231	214	400	6.998	6.998		0.1395	1.05E-03	384.8194	141.7946	526.6140		
	8/1/2008 5:00	232	214	500	6.984	6.984		0.1418	1.07E-03	392.5923	144.6587	537.2510		
	8/1/2008 6:00	233	214	600	6.945	6.945		0.1482	1.13E-03	414.5643	152.7548	567.3191		
	8/1/2008 7:00	234	214	700	6.91	6.91		0.1540	1.19E-03	434.6852	160.1687	594.8539		
	8/1/2008 8:00	235	214	800	6.829	6.829		0.1677	1.32E-03	482.7287	177.8713	660.6000		
	8/1/2008 9:00	236	214	900	5.752	5.752		0.3863	3.69E-03	1348.6898	496.9525	1845.6422		
	8/1/2008 10:00	237	214	1000	3.988	3.988		0.9995	1.19E-02	4346.4930	1601.5547	5948.0477		
	8/1/2008 11:00	238	214	1100	3.774	3.774		1.1129	1.36E-02	4961.1677	1828.0443	6789.2120		
	8/1/2008 12:00	239	214	1200	3.711	3.711		1.1487	1.41E-02	5158.7368	1900.8427	7059.5795		
	8/1/2008 13:00	240	214	1300	3.638	3.638		1.1919	1.48E-02	5398.1144	1989.0463	7387.1607		
	8/1/2008 14:00	241	214	1400	3.63	3.63		1.1967	1.48E-02	5425.0591	1998.9746	7424.0337		
	8/1/2008 15:00	242	214	1500	3.654	3.654		1.1823	1.46E-02	5344.6538	1969.3476	7314.0014		
	8/1/2008 16:00	243	214	1600	3.787	3.787		1.1056	1.35E-02	4921.3946	1813.3891	6734.7837		
	8/1/2008 17:00	244	214	1700	3.886	3.886		1.0520	1.27E-02	4629.1273	1705.6972	6334.8245		
	8/1/2008 18:00	245	214	1800	4.01	4.01		0.9885	1.17E-02	4287.8438	1579.9442	5867.7881		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	4.265	4.265		0.8696	1.00E-02	3662.1151	1349.3816	5011.4968		
	8/1/2008 20:00	247	214	2000	4.934	4.934		0.6161	6.56E-03	2396.0529	882.8750	3278.9278		
	8/1/2008 21:00	248	214	2100	6.133	6.133		0.3002	2.71E-03	988.6964	364.3055	1353.0019		
	8/1/2008 22:00	249	214	2200	6.79	6.79		0.1744	1.39E-03	506.6073	186.6699	693.2771		
	8/1/2008 23:00	250	214	2300	6.98	6.98		0.1424	1.08E-03	394.8242	145.4811	540.3053		
	8/2/2008 0:00	251	215	0	7.002	7.002	7.03	0.1388	1.05E-03	382.6097	140.9804	523.5900		
	8/2/2008 1:00	252	215	100	7.032	7.032		0.1340	1.00E-03	366.1928	134.9313	501.1240		
	8/2/2008 2:00	253	215	200	7.033	7.033		0.1338	1.00E-03	365.6503	134.7314	500.3816		
	8/2/2008 3:00	254	215	300	7.01	7.01		0.1375	1.03E-03	378.2049	139.3574	517.5622		
	8/2/2008 4:00	255	215	400	6.931	6.931		0.1505	1.16E-03	422.5668	155.7034	578.2703		
	8/2/2008 5:00	256	215	500	6.881	6.881		0.1588	1.24E-03	451.6474	166.4188	618.0662		
	8/2/2008 6:00	257	215	600	6.837	6.837		0.1663	1.31E-03	477.8909	176.0887	653.9796		
	8/2/2008 7:00	258	215	700	6.667	6.667		0.1960	1.60E-03	585.1727	215.6189	800.7916		
	8/2/2008 8:00	259	215	800	5.742	5.742		0.3887	3.72E-03	1359.0734	500.7786	1859.8520		
	8/2/2008 9:00	260	215	900	4.279	4.279		0.8635	9.93E-03	3630.4310	1337.7070	4968.1380		
	8/2/2008 10:00	261	215	1000	3.966	3.966		1.0106	1.21E-02	4405.9442	1623.4608	6029.4050		
	8/2/2008 11:00	262	215	1100	3.809	3.809		1.0935	1.33E-02	4854.8401	1788.8657	6643.7058		
	8/2/2008 12:00	263	215	1200	3.653	3.653		1.1829	1.46E-02	5347.9785	1970.5727	7318.5511		
	8/2/2008 13:00	264	215	1300	3.626	3.626		1.1991	1.49E-02	5438.5855	2003.9587	7442.5442		
	8/2/2008 14:00	265	215	1400	3.646	3.646		1.1871	1.47E-02	5371.3130	1979.1707	7350.4837		
	8/2/2008 15:00	266	215	1500	3.656	3.656		1.1811	1.46E-02	5338.0111	1966.9000	7304.9111		
	8/2/2008 16:00	267	215	1600	3.7	3.7		1.1551	1.42E-02	5194.0740	1913.8634	7107.9374		
	8/2/2008 17:00	268	215	1700	3.733	3.733		1.1361	1.39E-02	5088.8216	1875.0810	6963.9025		
	8/2/2008 18:00	269	215	1800	3.914	3.914		1.0373	1.24E-02	4549.7390	1676.4449	6226.1839		
	8/2/2008 19:00	270	215	1900	4.137	4.137		0.9275	1.08E-02	3964.2514	1460.7100	5424.9614		
	8/2/2008 20:00	271	215	2000	4.659	4.659		0.7115	7.83E-03	2860.5798	1054.0395	3914.6193		
	8/2/2008 21:00	272	215	2100	5.472	5.472		0.4572	4.54E-03	1659.7436	611.5667	2271.3103		
	8/2/2008 22:00	273	215	2200	6.249	6.249		0.2760	2.44E-03	891.7678	328.5902	1220.3580		
	8/2/2008 23:00	274	215	2300	6.524	6.524		0.2223	1.87E-03	682.9431	251.6444	934.5875		
	8/3/2008 0:00	275	216	0	6.503	6.503	6.83	0.2262	1.91E-03	697.9034	257.1569	955.0603		
	8/3/2008 1:00	276	216	100	6.474	6.474		0.2317	1.97E-03	718.8229	264.8651	983.6880		
	8/3/2008 2:00	277	216	200	6.625	6.625		0.2036	1.68E-03	613.1575	225.9305	839.0880		
	8/3/2008 3:00	278	216	300	6.747	6.747		0.1819	1.46E-03	533.5063	196.5814	730.0876		
	8/3/2008 4:00	279	216	400	6.805	6.805		0.1718	1.36E-03	497.3652	183.2644	680.6296		
	8/3/2008 5:00	280	216	500	6.832	6.832		0.1672	1.32E-03	480.9121	177.2020	658.1141		
	8/3/2008 6:00	281	216	600	6.798	6.798		0.1730	1.37E-03	501.6691	184.8503	686.5194		
	8/3/2008 7:00	282	216	700	6.664	6.664		0.1966	1.61E-03	587.1517	216.3481	803.4999		
	8/3/2008 8:00	283	216	800	5.91	5.91		0.3492	3.26E-03	1191.2162	438.9281	1630.1444		
	8/3/2008 9:00	284	216	900	4.212	4.212		0.8932	1.04E-02	3784.4478	1394.4576	5178.9055		
	8/3/2008 10:00	285	216	1000	3.63	3.63		1.1967	1.48E-02	5425.0591	1998.9746	7424.0337		
	8/3/2008 11:00	286	216	1100	3.442	3.442		1.3167	1.67E-02	6102.1918	2248.4781	8350.6699		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	3.443	3.443		1.3160	1.67E-02	6098.3533	2247.0637	8345.4170		
	8/3/2008 13:00	288	216	1300	3.457	3.457		1.3066	1.65E-02	6044.8940	2227.3655	8272.2595		
	8/3/2008 14:00	289	216	1400	3.476	3.476		1.2940	1.63E-02	5973.1705	2200.9375	8174.1081		
	8/3/2008 15:00	290	216	1500	3.534	3.534		1.2564	1.58E-02	5759.9602	2122.3758	7882.3360		
	8/3/2008 16:00	291	216	1600	3.605	3.605		1.2119	1.51E-02	5510.1964	2030.3452	7540.5415		
	8/3/2008 17:00	292	216	1700	3.69	3.69		1.1610	1.43E-02	5226.4211	1925.7823	7152.2034		
	8/3/2008 18:00	293	216	1800	3.869	3.869		1.0610	1.28E-02	4678.0152	1723.7109	6401.7261		
	8/3/2008 19:00	294	216	1900	4.092	4.092		0.9487	1.12E-02	4076.0713	1501.9123	5577.9836		
	8/3/2008 20:00	295	216	2000	4.506	4.506		0.7696	8.62E-03	3150.8489	1160.9951	4311.8439		
	8/3/2008 21:00	296	216	2100	5.299	5.299		0.5048	5.13E-03	1874.8220	690.8167	2565.6387		
	8/3/2008 22:00	297	216	2200	5.833	5.833		0.3670	3.47E-03	1266.4360	466.6444	1733.0804		
	8/3/2008 23:00	298	216	2300	5.968	5.968		0.3361	3.11E-03	1136.4001	418.7300	1555.1301		
	8/4/2008 0:00	299	217	0	5.983	5.983	6.65	0.3328	3.07E-03	1122.4748	413.5989	1536.0737		
	8/4/2008 1:00	300	217	100	6.003	6.003		0.3283	3.02E-03	1104.0658	406.8158	1510.8816		
	8/4/2008 2:00	301	217	200	5.83	5.83		0.3678	3.47E-03	1269.4245	467.7456	1737.1701		
	8/4/2008 3:00	302	217	300	5.679	5.679		0.4041	3.90E-03	1425.6798	525.3210	1951.0008		
	8/4/2008 4:00	303	217	400	5.526	5.526		0.4430	4.37E-03	1596.3430	588.2054	2184.5485		
	8/4/2008 5:00	304	217	500	5.608	5.608		0.4219	4.11E-03	1503.2688	553.9103	2057.1792		
	8/4/2008 6:00	305	217	600	5.91	5.91		0.3492	3.26E-03	1191.2162	438.9281	1630.1444		
	8/4/2008 7:00	306	217	700	5.882	5.882		0.3557	3.33E-03	1218.2412	448.8860	1667.1273		
	8/4/2008 8:00	307	217	800	5.681	5.681		0.4036	3.89E-03	1423.5333	524.5301	1948.0635		
	8/4/2008 9:00	308	217	900	5.364	5.364		0.4866	4.90E-03	1791.8059	660.2277	2452.0336		
	8/4/2008 10:00	309	217	1000	4.627	4.627		0.7234	7.99E-03	2919.2727	1075.6661	3994.9387		
	8/4/2008 11:00	310	217	1100	4.09	4.09		0.9496	1.12E-02	4081.1118	1503.7696	5584.8814		
	8/4/2008 12:00	311	217	1200	3.877	3.877		1.0567	1.27E-02	4654.9437	1715.2098	6370.1535		
	8/4/2008 13:00	312	217	1300	3.824	3.824		1.0853	1.32E-02	4809.9976	1772.3425	6582.3401		
	8/4/2008 14:00	313	217	1400	4.118	4.118		0.9364	1.10E-02	4011.0951	1477.9705	5489.0655		
	8/4/2008 15:00	314	217	1500	4.435	4.435		0.7980	9.01E-03	3294.2237	1213.8245	4508.0482		
	8/4/2008 16:00	315	217	1600	4	4		0.9935	1.18E-02	4314.4040	1589.7309	5904.1349		
	8/4/2008 17:00	316	217	1700	3.935	3.935		1.0264	1.23E-02	4491.1060	1654.8404	6145.9464		
	8/4/2008 18:00	317	217	1800	4.085	4.085		0.9520	1.12E-02	4093.7399	1508.4227	5602.1626		
	8/4/2008 19:00	318	217	1900	4.364	4.364		0.8272	9.42E-03	3443.5026	1268.8293	4712.3319		
	8/4/2008 20:00	319	217	2000	4.904	4.904		0.6260	6.69E-03	2443.4693	900.3465	3343.8158		
	8/4/2008 21:00	320	217	2100	5.95	5.95		0.3402	3.16E-03	1153.2459	424.9372	1578.1831		
	8/4/2008 22:00	321	217	2200	6.476	6.476		0.2313	1.96E-03	717.3705	264.3299	981.7004		
	8/4/2008 23:00	322	217	2300	6.645	6.645		0.2000	1.64E-03	599.7567	220.9927	820.7494		
	8/5/2008 0:00	323	218	0	6.809	6.809	6.90	0.1711	1.35E-03	494.9129	182.3608	677.2738		
	8/5/2008 1:00	324	218	100	6.88	6.88		0.1590	1.24E-03	452.2370	166.6360	618.8731		
	8/5/2008 2:00	325	218	200	6.896	6.896		0.1563	1.21E-03	442.8408	163.1738	606.0146		
	8/5/2008 3:00	326	218	300	6.836	6.836		0.1665	1.31E-03	478.4945	176.3111	654.8057		
	8/5/2008 4:00	327	218	400	6.736	6.736		0.1838	1.48E-03	540.4846	199.1527	739.6373		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	6.69	6.69		0.1919	1.56E-03	570.1002	210.0651	780.1653		
	8/5/2008 6:00	329	218	600	6.695	6.695		0.1910	1.55E-03	566.8470	208.8664	775.7134		
	8/5/2008 7:00	330	218	700	6.689	6.689		0.1921	1.56E-03	570.7518	210.3052	781.0570		
	8/5/2008 8:00	331	218	800	6.52	6.52		0.2230	1.88E-03	685.7805	252.6899	938.4705		
	8/5/2008 9:00	332	218	900	5.403	5.403		0.4758	4.77E-03	1743.2881	642.3504	2385.6385		
	8/5/2008 10:00	333	218	1000	4.117	4.117		0.9368	1.10E-02	4013.5754	1478.8844	5492.4598		
	8/5/2008 11:00	334	218	1100	4.215	4.215		0.8918	1.03E-02	3777.4209	1391.8684	5169.2893		
	8/5/2008 12:00	335	218	1200	3.942	3.942		1.0228	1.22E-02	4471.7320	1647.7016	6119.4337		
	8/5/2008 13:00	336	218	1300	3.564	3.564		1.2374	1.55E-02	5652.9581	2082.9487	7735.9068		
	8/5/2008 14:00	337	218	1400	3.992	3.992		0.9975	1.19E-02	4335.7703	1597.6037	5933.3740		
	8/5/2008 15:00	338	218	1500	4.275	4.275		0.8653	9.96E-03	3639.4572	1341.0328	4980.4900		
	8/5/2008 16:00	339	218	1600	4.155	4.155		0.9191	1.07E-02	3920.3628	1444.5383	5364.9011		
	8/5/2008 17:00	340	218	1700	3.86	3.86		1.0658	1.29E-02	4704.1107	1733.3263	6437.4370		
	8/5/2008 18:00	341	218	1800	3.666	3.666		1.1751	1.45E-02	5304.9296	1954.7104	7259.6400		
	8/5/2008 19:00	342	218	1900	3.885	3.885		1.0525	1.27E-02	4631.9886	1706.7514	6338.7400		
	8/5/2008 20:00	343	218	2000	4.564	4.564		0.7472	8.31E-03	3037.8990	1119.3764	4157.2753		
	8/5/2008 21:00	344	218	2100	5.911	5.911		0.3490	3.26E-03	1190.2579	438.5750	1628.8329		
	8/5/2008 22:00	345	218	2200	6.523	6.523		0.2224	1.87E-03	683.6519	251.9056	935.5575		
	8/5/2008 23:00	346	218	2300	6.722	6.722		0.1863	1.50E-03	549.4238	202.4465	751.8702		
	8/6/2008 0:00	347	219	0	6.814	6.814	6.82	0.1702	1.35E-03	491.8548	181.2340	673.0888		
	8/6/2008 1:00	348	219	100	6.824	6.824		0.1685	1.33E-03	485.7627	178.9893	664.7520		
	8/6/2008 2:00	349	219	200	6.821	6.821		0.1690	1.33E-03	487.5870	179.6614	667.2484		
	8/6/2008 3:00	350	219	300	6.809	6.809		0.1711	1.35E-03	494.9129	182.3608	677.2738		
	8/6/2008 4:00	351	219	400	6.8	6.8		0.1726	1.37E-03	500.4378	184.3966	684.8344		
	8/6/2008 5:00	352	219	500	6.774	6.774		0.1771	1.41E-03	516.5458	190.3319	706.8777		
	8/6/2008 6:00	353	219	600	6.739	6.739		0.1833	1.47E-03	538.5775	198.4499	737.0274		
	8/6/2008 7:00	354	219	700	6.717	6.717		0.1871	1.51E-03	552.6320	203.6286	756.2606		
	8/6/2008 8:00	355	219	800	6.686	6.686		0.1926	1.57E-03	572.7087	211.0263	783.7350		
	8/6/2008 9:00	356	219	900	6.58	6.58		0.2119	1.76E-03	643.8113	237.2255	881.0368		
	8/6/2008 10:00	357	219	1000	4.479	4.479		0.7803	8.77E-03	3204.6954	1180.8359	4385.5313		
	8/6/2008 11:00	358	219	1100	3.179	3.179		1.5083	1.97E-02	7213.3716	2657.9151	9871.2867		
	8/6/2008 12:00	359	219	1200	3.63	3.63		1.1967	1.48E-02	5425.0591	1998.9746	7424.0337		
	8/6/2008 13:00	360	219	1300	4.022	4.022		0.9826	1.16E-02	4256.1863	1568.2794	5824.4657		
	8/6/2008 14:00	361	219	1400	3.66	3.66		1.1787	1.46E-02	5324.7522	1962.0145	7286.7667		
	8/6/2008 15:00	362	219	1500	3.275	3.275		1.4348	1.86E-02	6782.9834	2499.3297	9282.3131		
	8/6/2008 16:00	363	219	1600	3.324	3.324		1.3989	1.80E-02	6574.7166	2422.5896	8997.3062		
	8/6/2008 17:00	364	219	1700	3.308	3.308		1.4105	1.82E-02	6641.9102	2447.3484	9089.2586		
	8/6/2008 18:00	365	219	1800	3.767	3.767		1.1168	1.36E-02	4982.7227	1835.9867	6818.7094		
	8/6/2008 19:00	366	219	1900	3.878	3.878		1.0562	1.27E-02	4652.0680	1714.1501	6366.2181		
	8/6/2008 20:00	367	219	2000	4.209	4.209		0.8945	1.04E-02	3791.4872	1397.0514	5188.5387		
	8/6/2008 21:00	368	219	2100	5.335	5.335		0.4947	5.00E-03	1828.5068	673.7509	2502.2577		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	6.297	6.297		0.2663	2.33E-03	853.2451	314.3957	1167.6408		
	8/6/2008 23:00	370	219	2300	6.574	6.574		0.2130	1.77E-03	647.9514	238.7510	886.7024		
	8/7/2008 0:00	371	220	0	6.691	6.691	6.74	0.1918	1.56E-03	569.4489	209.8251	779.2740		
	8/7/2008 1:00	372	220	100	6.725	6.725		0.1857	1.50E-03	547.5028	201.7387	749.2414		
	8/7/2008 2:00	373	220	200	6.737	6.737		0.1836	1.48E-03	539.8486	198.9183	738.7669		
	8/7/2008 3:00	374	220	300	6.733	6.733		0.1843	1.48E-03	542.3947	199.8565	742.2512		
	8/7/2008 4:00	375	220	400	6.723	6.723		0.1861	1.50E-03	548.7831	202.2104	750.9935		
	8/7/2008 5:00	376	220	500	6.714	6.714		0.1877	1.52E-03	554.5609	204.3394	758.9003		
	8/7/2008 6:00	377	220	600	6.704	6.704		0.1894	1.54E-03	561.0123	206.7165	767.7288		
	8/7/2008 7:00	378	220	700	6.69	6.69		0.1919	1.56E-03	570.1002	210.0651	780.1653		
	8/7/2008 8:00	379	220	800	6.648	6.648		0.1995	1.64E-03	597.7583	220.2563	818.0146		
	8/7/2008 9:00	380	220	900	6.248	6.248		0.2762	2.44E-03	892.5801	328.8895	1221.4695		
	8/7/2008 10:00	381	220	1000	4.029	4.029		0.9792	1.16E-02	4237.8267	1561.5144	5799.3411		
	8/7/2008 11:00	382	220	1100	3.054	3.054		1.6110	2.14E-02	7822.4434	2882.3401	10704.7835		
	8/7/2008 12:00	383	220	1200	2.969	2.969		1.6858	2.26E-02	8271.6174	3047.8475	11319.4649		
	8/7/2008 13:00	384	220	1300	2.927	2.927		1.7243	2.33E-02	8505.0093	3133.8456	11638.8549		
	8/7/2008 14:00	385	220	1400	2.993	2.993		1.6642	2.23E-02	8141.7256	2999.9862	11141.7118		
	8/7/2008 15:00	386	220	1500	3.159	3.159		1.5242	2.00E-02	7306.9748	2692.4051	9999.3800		
	8/7/2008 16:00	387	220	1600	3.18	3.18		1.5075	1.97E-02	7208.7283	2656.2042	9864.9324		
	8/7/2008 17:00	388	220	1700	3.196	3.196		1.4950	1.95E-02	7134.9057	2629.0027	9763.9084		
	8/7/2008 18:00	389	220	1800	3.335	3.335		1.3910	1.79E-02	6528.9688	2405.7328	8934.7016		
	8/7/2008 19:00	390	220	1900	3.674	3.674		1.1704	1.44E-02	5278.6217	1945.0167	7223.6384		
	8/7/2008 20:00	391	220	2000	4.12	4.12		0.9354	1.10E-02	4006.1389	1476.1443	5482.2832		
	8/7/2008 21:00	392	220	2100	5.32	5.32		0.4989	5.06E-03	1847.7022	680.8239	2528.5261		
	8/7/2008 22:00	393	220	2200	6.074	6.074		0.3128	2.85E-03	1040.1486	383.2641	1423.4127		
	8/7/2008 23:00	394	220	2300	6.448	6.448		0.2367	2.02E-03	737.8373	271.8713	1009.7086		
	8/8/2008 0:00	395	221	0	6.616	6.616	6.72	0.2053	1.69E-03	619.2325	228.1689	847.4014		
	8/8/2008 1:00	396	221	100	6.665	6.665		0.1964	1.60E-03	586.4917	216.1049	802.5966		
	8/8/2008 2:00	397	221	200	6.715	6.715		0.1875	1.52E-03	553.9176	204.1023	758.0200		
	8/8/2008 3:00	398	221	300	6.703	6.703		0.1896	1.54E-03	561.6593	206.9549	768.6142		
	8/8/2008 4:00	399	221	400	6.699	6.699		0.1903	1.54E-03	564.2505	207.9097	772.1601		
	8/8/2008 5:00	400	221	500	6.689	6.689		0.1921	1.56E-03	570.7518	210.3052	781.0570		
	8/8/2008 6:00	401	221	600	6.668	6.668		0.1959	1.60E-03	584.5136	215.3761	799.8897		
	8/8/2008 7:00	402	221	700	6.663	6.663		0.1968	1.61E-03	587.8121	216.5915	804.4036		
	8/8/2008 8:00	403	221	800	6.623	6.623		0.2040	1.68E-03	614.5051	226.4270	840.9322		
	8/8/2008 9:00	404	221	900	5.454	5.454		0.4620	4.60E-03	1681.2601	619.4949	2300.7549		
	8/8/2008 10:00	405	221	1000	3.57	3.57		1.2336	1.54E-02	5631.8182	2075.1593	7706.9775		
	8/8/2008 11:00	406	221	1100	3.271	3.271		1.4378	1.86E-02	6800.3147	2505.7158	9306.0306		
	8/8/2008 12:00	407	221	1200	3.089	3.089		1.5814	2.09E-02	7645.9878	2817.3215	10463.3093		
	8/8/2008 13:00	408	221	1300	3.106	3.106		1.5673	2.07E-02	7561.9836	2786.3684	10348.3519		
	8/8/2008 14:00	409	221	1400	3.116	3.116		1.5591	2.06E-02	7513.0780	2768.3481	10281.4262		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	3.155	3.155		1.5274	2.00E-02	7325.8652	2699.3657	10025.2309		
	8/8/2008 16:00	411	221	1600	3.168	3.168		1.5170	1.99E-02	7264.6791	2676.8204	9941.4995		
	8/8/2008 17:00	412	221	1700	3.314	3.314		1.4062	1.81E-02	6616.6216	2438.0303	9054.6518		
	8/8/2008 18:00	413	221	1800	3.603	3.603		1.2132	1.51E-02	5517.0692	2032.8776	7549.9468		
	8/8/2008 19:00	414	221	1900	3.65	3.65		1.1847	1.47E-02	5357.9657	1974.2526	7332.2183		
	8/8/2008 20:00	415	221	2000	4.235	4.235		0.8829	1.02E-02	3730.8912	1374.7236	5105.6148		
	8/8/2008 21:00	416	221	2100	5.191	5.191		0.5361	5.52E-03	2018.9655	743.9294	2762.8949		
	8/8/2008 22:00	417	221	2200	5.898	5.898		0.3520	3.29E-03	1202.7530	443.1791	1645.9321		
	8/8/2008 23:00	418	221	2300	6.171	6.171		0.2922	2.62E-03	956.3354	352.3814	1308.7168		
	8/9/2008 0:00	419	222	0	6.22	6.22	6.64	0.2820	2.50E-03	915.4858	337.3296	1252.8154		
	8/9/2008 1:00	420	222	100	6.209	6.209		0.2843	2.53E-03	924.5709	340.6772	1265.2481		
	8/9/2008 2:00	421	222	200	6.22	6.22		0.2820	2.50E-03	915.4858	337.3296	1252.8154		
	8/9/2008 3:00	422	222	300	6.221	6.221		0.2818	2.50E-03	914.6623	337.0261	1251.6885		
	8/9/2008 4:00	423	222	400	6.202	6.202		0.2857	2.55E-03	930.3779	342.8169	1273.1948		
	8/9/2008 5:00	424	222	500	6.112	6.112		0.3046	2.75E-03	1006.8400	370.9909	1377.8309		
	8/9/2008 6:00	425	222	600	6.08	6.08		0.3115	2.83E-03	1034.8481	381.3111	1416.1592		
	8/9/2008 7:00	426	222	700	5.862	5.862		0.3603	3.39E-03	1237.7729	456.0829	1693.8558		
	8/9/2008 8:00	427	222	800	5.374	5.374		0.4838	4.87E-03	1779.2744	655.6103	2434.8847		
	8/9/2008 9:00	428	222	900	5.66	5.66		0.4088	3.96E-03	1446.1769	532.8736	1979.0506		
	8/9/2008 10:00	429	222	1000	5.657	5.657		0.4096	3.97E-03	1449.4309	534.0726	1983.5036		
	8/9/2008 11:00	430	222	1100	5.108	5.108		0.5611	5.84E-03	2135.2922	786.7923	2922.0845		
	8/9/2008 12:00	431	222	1200	4.308	4.308		0.8510	9.76E-03	3565.6171	1313.8250	4879.4420		
	8/9/2008 13:00	432	222	1300	3.99	3.99		0.9985	1.19E-02	4341.1283	1599.5780	5940.7064		
	8/9/2008 14:00	433	222	1400	3.465	3.465		1.3013	1.65E-02	6014.5792	2216.1954	8230.7746		
	8/9/2008 15:00	434	222	1500	3.338	3.338		1.3889	1.78E-02	6516.5547	2401.1586	8917.7134		
	8/9/2008 16:00	435	222	1600	3.334	3.334		1.3917	1.79E-02	6533.1127	2407.2597	8940.3724		
	8/9/2008 17:00	436	222	1700	3.526	3.526		1.2615	1.58E-02	5788.8659	2133.0267	7921.8925		
	8/9/2008 18:00	437	222	1800	3.62	3.62		1.2028	1.49E-02	5458.9431	2011.4598	7470.4029		
	8/9/2008 19:00	438	222	1900	3.846	3.846		1.0733	1.30E-02	4745.0009	1748.3932	6493.3940		
	8/9/2008 20:00	439	222	2000	4.401	4.401		0.8119	9.21E-03	3364.9535	1239.8863	4604.8399		
	8/9/2008 21:00	440	222	2100	5.75	5.75		0.3868	3.70E-03	1350.7624	497.7162	1848.4786		
	8/9/2008 22:00	441	222	2200	6.492	6.492		0.2283	1.93E-03	705.8028	260.0675	965.8703		
	8/9/2008 23:00	442	222	2300	6.637	6.637		0.2014	1.66E-03	605.1006	222.9618	828.0624		
	8/10/2008 0:00	443	223	0	6.692	6.692	6.73	0.1916	1.56E-03	568.7979	209.5853	778.3832		
	8/10/2008 1:00	444	223	100	6.724	6.724		0.1859	1.50E-03	548.1428	201.9745	750.1172		
	8/10/2008 2:00	445	223	200	6.725	6.725		0.1857	1.50E-03	547.5028	201.7387	749.2414		
	8/10/2008 3:00	446	223	300	6.718	6.718		0.1870	1.51E-03	551.9897	203.3920	755.3817		
	8/10/2008 4:00	447	223	400	6.716	6.716		0.1873	1.51E-03	553.2747	203.8654	757.1401		
	8/10/2008 5:00	448	223	500	6.704	6.704		0.1894	1.54E-03	561.0123	206.7165	767.7288		
	8/10/2008 6:00	449	223	600	6.681	6.681		0.1935	1.58E-03	575.9769	212.2305	788.2075		
	8/10/2008 7:00	450	223	700	6.674	6.674		0.1948	1.59E-03	580.5666	213.9217	794.4882		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	6.643	6.643		0.2004	1.64E-03	601.0906	221.4842	822.5748		
	8/10/2008 9:00	452	223	900	6.179	6.179		0.2905	2.60E-03	949.5989	349.8992	1299.4982		
	8/10/2008 10:00	453	223	1000	4.107	4.107		0.9416	1.10E-02	4038.4607	1488.0539	5526.5146		
	8/10/2008 11:00	454	223	1100	3.072	3.072		1.5957	2.12E-02	7731.0983	2848.6822	10579.7804		
	8/10/2008 12:00	455	223	1200	3.054	3.054		1.6110	2.14E-02	7822.4434	2882.3401	10704.7835		
	8/10/2008 13:00	456	223	1300	3.016	3.016		1.6439	2.19E-02	8019.5411	2954.9649	10974.5060		
	8/10/2008 14:00	457	223	1400	3.083	3.083		1.5864	2.10E-02	7675.8995	2828.3430	10504.2425		
	8/10/2008 15:00	458	223	1500	3.333	3.333		1.3924	1.79E-02	6537.2596	2408.7878	8946.0474		
	8/10/2008 16:00	459	223	1600	3.258	3.258		1.4475	1.88E-02	6856.9934	2526.6002	9383.5936		
	8/10/2008 17:00	460	223	1700	3.481	3.481		1.2907	1.63E-02	5954.4526	2194.0405	8148.4931		
	8/10/2008 18:00	461	223	1800	5.439	5.439		0.4661	4.65E-03	1699.3392	626.1565	2325.4957		
	8/10/2008 19:00	462	223	1900	6.09	6.09		0.3094	2.81E-03	1026.0484	378.0686	1404.1171		
	8/10/2008 20:00	463	223	2000	6.061	6.061		0.3156	2.88E-03	1051.6865	387.5155	1439.2020		
	8/10/2008 21:00	464	223	2100	6.015	6.015		0.3257	2.99E-03	1093.1065	402.7776	1495.8841		
	8/10/2008 22:00	465	223	2200	6.155	6.155		0.2955	2.65E-03	969.8878	357.3751	1327.2629		
	8/10/2008 23:00	466	223	2300	6.186	6.186		0.2890	2.58E-03	943.7261	347.7353	1291.4614		
	8/11/2008 0:00	467	224	0	6.214	6.214	6.50	0.2832	2.52E-03	920.4353	339.1533	1259.5886		
	8/11/2008 1:00	468	224	100	6.313	6.313		0.2631	2.30E-03	840.6049	309.7382	1150.3431		
	8/11/2008 2:00	469	224	200	6.417	6.417		0.2426	2.08E-03	760.8319	280.3442	1041.1760		
	8/11/2008 3:00	470	224	300	6.463	6.463		0.2338	1.99E-03	726.8374	267.8182	994.6556		
	8/11/2008 4:00	471	224	400	6.475	6.475		0.2315	1.96E-03	718.0965	264.5974	982.6939		
	8/11/2008 5:00	472	224	500	6.465	6.465		0.2334	1.98E-03	725.3770	267.2801	992.6570		
	8/11/2008 6:00	473	224	600	6.492	6.492		0.2283	1.93E-03	705.8028	260.0675	965.8703		
	8/11/2008 7:00	474	224	700	6.5	6.5		0.2268	1.92E-03	700.0535	257.9491	958.0026		
	8/11/2008 8:00	475	224	800	6.451	6.451		0.2361	2.01E-03	735.6307	271.0583	1006.6890		
	8/11/2008 9:00	476	224	900	5.806	5.806		0.3734	3.54E-03	1293.4913	476.6135	1770.1048		
	8/11/2008 10:00	477	224	1000	4.305	4.305		0.8523	9.77E-03	3572.2714	1316.2769	4888.5482		
	8/11/2008 11:00	478	224	1100	3.521	3.521		1.2647	1.59E-02	5807.0124	2139.7132	7946.7256		
	8/11/2008 12:00	479	224	1200	3.382	3.382		1.3578	1.73E-02	6337.5117	2335.1865	8672.6982		
	8/11/2008 13:00	480	224	1300	3.594	3.594		1.2187	1.52E-02	5548.1116	2044.3158	7592.4274		
	8/11/2008 14:00	481	224	1400	3.309	3.309		1.4098	1.82E-02	6637.6878	2445.7926	9083.4804		
	8/11/2008 15:00	482	224	1500	3.338	3.338		1.3889	1.78E-02	6516.5547	2401.1586	8917.7134		
	8/11/2008 16:00	483	224	1600	3.65	3.65		1.1847	1.47E-02	5357.9657	1974.2526	7332.2183		
	8/11/2008 17:00	484	224	1700	3.708	3.708		1.1505	1.41E-02	5168.3490	1904.3845	7072.7334		
	8/11/2008 18:00	485	224	1800	4.006	4.006		0.9905	1.18E-02	4298.4483	1583.8517	5882.3000		
	8/11/2008 19:00	486	224	1900	4.157	4.157		0.9182	1.07E-02	3915.5154	1442.7522	5358.2675		
	8/11/2008 20:00	487	224	2000	4.709	4.709		0.6934	7.58E-03	2770.9083	1020.9981	3791.9064		
	8/11/2008 21:00	488	224	2100	5.356	5.356		0.4888	4.93E-03	1801.8766	663.9385	2465.8151		
	8/11/2008 22:00	489	224	2200	5.922	5.922		0.3465	3.23E-03	1179.7470	434.7021	1614.4491		
	8/11/2008 23:00	490	224	2300	6.143	6.143		0.2981	2.68E-03	980.1219	361.1461	1341.2680		
	8/12/2008 0:00	491	225	0	6.256	6.256	6.49	0.2746	2.42E-03	886.0932	326.4993	1212.5924		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	6.254	6.254		0.2750	2.43E-03	887.7125	327.0959	1214.8084		
	8/12/2008 2:00	493	225	200	6.207	6.207		0.2847	2.53E-03	926.2280	341.2878	1267.5158		
	8/12/2008 3:00	494	225	300	6.412	6.412		0.2436	2.09E-03	764.5739	281.7230	1046.2969		
	8/12/2008 4:00	495	225	400	6.434	6.434		0.2394	2.05E-03	748.1781	275.6816	1023.8597		
	8/12/2008 5:00	496	225	500	6.463	6.463		0.2338	1.99E-03	726.8374	267.8182	994.6556		
	8/12/2008 6:00	497	225	600	6.474	6.474		0.2317	1.97E-03	718.8229	264.8651	983.6880		
	8/12/2008 7:00	498	225	700	6.483	6.483		0.2300	1.95E-03	712.2982	262.4609	974.7592		
	8/12/2008 8:00	499	225	800	6.489	6.489		0.2288	1.94E-03	707.9647	260.8641	968.8288		
	8/12/2008 9:00	500	225	900	6.178	6.178		0.2907	2.60E-03	950.4395	350.2090	1300.6485		
	8/12/2008 10:00	501	225	1000	4.735	4.735		0.6841	7.46E-03	2725.2362	1004.1693	3729.4055		
	8/12/2008 11:00	502	225	1100	3.474	3.474		1.2953	1.64E-02	5980.6759	2203.7030	8184.3789		
	8/12/2008 12:00	503	225	1200	3.216	3.216		1.4795	1.93E-02	7043.8582	2595.4544	9639.3126		
	8/12/2008 13:00	504	225	1300	3.123	3.123		1.5533	2.05E-02	7479.0657	2755.8156	10234.8813		
	8/12/2008 14:00	505	225	1400	3.12	3.12		1.5558	2.05E-02	7493.6202	2761.1785	10254.7987		
	8/12/2008 15:00	506	225	1500	3.194	3.194		1.4966	1.95E-02	7144.0853	2632.3851	9776.4704		
	8/12/2008 16:00	507	225	1600	3.258	3.258		1.4475	1.88E-02	6856.9934	2526.6002	9383.5936		
	8/12/2008 17:00	508	225	1700	3.367	3.367		1.3683	1.75E-02	6397.9186	2357.4447	8755.3632		
	8/12/2008 18:00	509	225	1800	3.461	3.461		1.3040	1.65E-02	6029.7155	2221.7727	8251.4882		
	8/12/2008 19:00	510	225	1900	3.74	3.74		1.1321	1.39E-02	5066.7855	1866.9613	6933.7469		
	8/12/2008 20:00	511	225	2000	4.342	4.342		0.8365	9.55E-03	3491.0054	1286.3328	4777.3382		
	8/12/2008 21:00	512	225	2100	5.71	5.71		0.3965	3.81E-03	1392.6468	513.1494	1905.7962		
	8/12/2008 22:00	513	225	2200	6.295	6.295		0.2667	2.34E-03	854.8321	314.9805	1169.8126		
	8/12/2008 23:00	514	225	2300	6.417	6.417		0.2426	2.08E-03	760.8319	280.3442	1041.1760		
	8/13/2008 0:00	515	226	0	6.464	6.464	6.56	0.2336	1.99E-03	726.1070	267.5491	993.6561		
	8/13/2008 1:00	516	226	100	6.477	6.477		0.2311	1.96E-03	716.6448	264.0625	980.7073		
	8/13/2008 2:00	517	226	200	6.497	6.497		0.2273	1.92E-03	702.2068	258.7425	960.9493		
	8/13/2008 3:00	518	226	300	6.543	6.543		0.2187	1.83E-03	669.5425	246.7067	916.2492		
	8/13/2008 4:00	519	226	400	6.538	6.538		0.2196	1.84E-03	673.0566	248.0015	921.0581		
	8/13/2008 5:00	520	226	500	6.551	6.551		0.2172	1.82E-03	663.9383	244.6417	908.5801		
	8/13/2008 6:00	521	226	600	6.559	6.559		0.2157	1.80E-03	658.3566	242.5850	900.9417		
	8/13/2008 7:00	522	226	700	6.548	6.548		0.2178	1.82E-03	666.0373	245.4151	911.4524		
	8/13/2008 8:00	523	226	800	6.496	6.496		0.2275	1.92E-03	702.9253	259.0073	961.9325		
	8/13/2008 9:00	524	226	900	5.449	5.449		0.4634	4.62E-03	1687.2714	621.7098	2308.9812		
	8/13/2008 10:00	525	226	1000	3.862	3.862		1.0647	1.29E-02	4698.2988	1731.1848	6429.4836		
	8/13/2008 11:00	526	226	1100	3.624	3.624		1.2003	1.49E-02	5445.3623	2006.4557	7451.8180		
	8/13/2008 12:00	527	226	1200	3.198	3.198		1.4934	1.95E-02	7125.7397	2625.6254	9751.3651		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.058	4.058	7.70	0.8970	1.04E-02	3804.4409	1401.8245	5206.2654		
W605WN1	7/22/2008 14:00	1	204	1400	4.543	4.543		0.6945	7.60E-03	2776.4284	1023.0321	3799.4605		
36" N	7/22/2008 15:00	2	204	1500	4.52	4.52		0.7031	7.71E-03	2818.9229	1038.6901	3857.6130		
Probe #	7/22/2008 16:00	3	204	1600	4.476	4.476		0.7198	7.94E-03	2901.7769	1069.2194	3970.9962		
	7/22/2008 17:00	4	204	1700	4.471	4.471		0.7218	7.97E-03	2911.3240	1072.7372	3984.0612		
13	7/22/2008 18:00	5	204	1800	4.54	4.54		0.6956	7.61E-03	2781.9399	1025.0630	3807.0028		
	7/22/2008 19:00	6	204	1900	4.691	4.691		0.6410	6.88E-03	2515.7163	926.9674	3442.6837		
	7/22/2008 20:00	7	204	2000	5.005	5.005		0.5381	5.55E-03	2027.9708	747.2475	2775.2183		
	7/22/2008 21:00	8	204	2100	6.045	6.045		0.2734	2.41E-03	881.4592	324.7918	1206.2509		
DBH (cm)	7/22/2008 22:00	9	204	2200	7.209	7.209		0.0678	4.34E-04	158.4536	58.3855	216.8391		
	7/22/2008 23:00	10	204	2300	7.698	7.698		0.0000	0.00E+00	0.0000	0.0000	0.0000		
13.7	7/23/2008 0:00	11	205	0	8.01	8.01	8.18	-0.0390	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	8.13	8.13		-0.0531	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	8.16	8.16		-0.0566	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	8.18	8.18		-0.0589	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	8.17	8.17		-0.0578	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	8.09	8.09		-0.0485	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	7.932	7.932		-0.0295	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	7.582	7.582		0.0153	6.93E-05	25.3362	9.3356	34.6718		
	7/23/2008 8:00	19	205	800	6.871	6.871		0.1204	8.78E-04	320.9851	118.2736	439.2587		
	7/23/2008 9:00	20	205	900	5.888	5.888		0.3074	2.79E-03	1018.0735	375.1301	1393.2036		
	7/23/2008 10:00	21	205	1000	5.031	5.031		0.5301	5.45E-03	1991.1548	733.6819	2724.8368		
	7/23/2008 11:00	22	205	1100	4.858	4.858		0.5846	6.15E-03	2246.0160	827.5908	3073.6068		
	7/23/2008 12:00	23	205	1200	4.709	4.709		0.6347	6.80E-03	2485.4461	915.8137	3401.2598		
	7/23/2008 13:00	24	205	1300	4.618	4.618		0.6670	7.23E-03	2641.6198	973.3591	3614.9789		
	7/23/2008 14:00	25	205	1400	4.6	4.6		0.6735	7.31E-03	2673.4588	985.0909	3658.5497		
	7/23/2008 15:00	26	205	1500	4.581	4.581		0.6804	7.41E-03	2707.4164	997.6032	3705.0196		
	7/23/2008 16:00	27	205	1600	4.672	4.672		0.6477	6.97E-03	2547.9965	938.8617	3486.8582		
	7/23/2008 17:00	28	205	1700	4.942	4.942		0.5577	5.80E-03	2119.3203	780.9072	2900.2275		
	7/23/2008 18:00	29	205	1800	5.356	5.356		0.4373	4.30E-03	1570.9627	578.8535	2149.8163		
	7/23/2008 19:00	30	205	1900	5.484	5.484		0.4037	3.90E-03	1423.9405	524.6802	1948.6207		
	7/23/2008 20:00	31	205	2000	5.796	5.796		0.3282	3.02E-03	1103.3271	406.5436	1509.8706		
	7/23/2008 21:00	32	205	2100	6.373	6.373		0.2079	1.72E-03	629.0824	231.7984	860.8808		
	7/23/2008 22:00	33	205	2200	7.067	7.067		0.0893	6.08E-04	222.2465	81.8913	304.1378		
	7/23/2008 23:00	34	205	2300	7.302	7.302		0.0542	3.29E-04	120.3021	44.3278	164.6298		
	7/24/2008 0:00	35	206	0	7.359	7.359	8.11	0.0461	2.69E-04	98.4077	36.2603	134.6680		
	7/24/2008 1:00	36	206	100	7.466	7.466		0.0311	1.66E-04	60.6110	22.3334	82.9444		
	7/24/2008 2:00	37	206	200	7.542	7.542		0.0207	1.00E-04	36.7246	13.5320	50.2566		
	7/24/2008 3:00	38	206	300	7.675	7.675		0.0030	9.32E-06	3.4054	1.2548	4.6601		
	7/24/2008 4:00	39	206	400	7.736	7.736		-0.0049	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 5:00	40	206	500	7.798	7.798		-0.0128	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	7.815	7.815		-0.0150	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	7.694	7.694		0.0005	1.08E-06	0.3942	0.1452	0.5394		
	7/24/2008 8:00	43	206	800	7.278	7.278		0.0577	3.55E-04	129.8644	47.8512	177.7156		
	7/24/2008 9:00	44	206	900	7.074	7.074		0.0882	5.99E-04	218.9484	80.6760	299.6244		
	7/24/2008 10:00	45	206	1000	7.115	7.115		0.0819	5.47E-04	199.9484	73.6751	273.6234		
	7/24/2008 11:00	46	206	1100	5.745	5.745		0.3399	3.15E-03	1152.3266	424.5984	1576.9251		
	7/24/2008 12:00	47	206	1200	4.84	4.84		0.5905	6.22E-03	2273.9197	837.8725	3111.7922		
	7/24/2008 13:00	48	206	1300	5.039	5.039		0.5277	5.42E-03	1979.9286	729.5454	2709.4740		
	7/24/2008 14:00	49	206	1400	4.93	4.93		0.5615	5.85E-03	2137.0715	787.4480	2924.5195		
	7/24/2008 15:00	50	206	1500	4.679	4.679		0.6452	6.94E-03	2536.0643	934.4650	3470.5293		
	7/24/2008 16:00	51	206	1600	4.601	4.601		0.6731	7.31E-03	2671.6815	984.4360	3656.1175		
	7/24/2008 17:00	52	206	1700	4.723	4.723		0.6299	6.74E-03	2462.1093	907.2148	3369.3241		
	7/24/2008 18:00	53	206	1800	4.688	4.688		0.6421	6.90E-03	2520.7907	928.8372	3449.6278		
	7/24/2008 19:00	54	206	1900	4.998	4.998		0.5402	5.58E-03	2037.9699	750.9319	2788.9019		
	7/24/2008 20:00	55	206	2000	5.571	5.571		0.3818	3.64E-03	1329.3680	489.8330	1819.2010		
	7/24/2008 21:00	56	206	2100	6.669	6.669		0.1543	1.19E-03	435.7845	160.5738	596.3582		
	7/24/2008 22:00	57	206	2200	7.738	7.738		-0.0052	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	8.11	8.11		-0.0508	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	8.22	8.22	8.22	-0.0635	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	8.22	8.22		-0.0635	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	8.14	8.14		-0.0543	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	8.05	8.05		-0.0437	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	7.964	7.964		-0.0334	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	7.884	7.884		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	7.839	7.839		-0.0180	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	7.776	7.776		-0.0100	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	7.679	7.679		0.0025	7.36E-06	2.6899	0.9912	3.6811		
	7/25/2008 9:00	68	207	900	7.6	7.6		0.0129	5.62E-05	20.5270	7.5636	28.0906		
	7/25/2008 10:00	69	207	1000	7.268	7.268		0.0592	3.66E-04	133.9076	49.3410	183.2485		
	7/25/2008 11:00	70	207	1100	6.39	6.39		0.2047	1.69E-03	617.1344	227.3959	844.5302		
	7/25/2008 12:00	71	207	1200	5.56	5.56		0.3845	3.67E-03	1341.0951	494.1541	1835.2492		
	7/25/2008 13:00	72	207	1300	4.916	4.916		0.5659	5.90E-03	2157.9261	795.1323	2953.0584		
	7/25/2008 14:00	73	207	1400	4.603	4.603		0.6724	7.30E-03	2668.1300	983.1274	3651.2574		
	7/25/2008 15:00	74	207	1500	4.567	4.567		0.6856	7.48E-03	2732.6704	1006.9086	3739.5789		
	7/25/2008 16:00	75	207	1600	4.64	4.64		0.6591	7.12E-03	2603.1373	959.1795	3562.3167		
	7/25/2008 17:00	76	207	1700	4.483	4.483		0.7172	7.90E-03	2888.4565	1064.3112	3952.7677		
	7/25/2008 18:00	77	207	1800	4.535	4.535		0.6975	7.64E-03	2791.1464	1028.4553	3819.6018		
	7/25/2008 19:00	78	207	1900	4.65	4.65		0.6555	7.08E-03	2585.8004	952.7913	3538.5917		
	7/25/2008 20:00	79	207	2000	5.21	5.21		0.4775	4.79E-03	1750.9419	645.1706	2396.1125		
	7/25/2008 21:00	80	207	2100	6.408	6.408		0.2013	1.65E-03	604.5994	222.7771	827.3765		
	7/25/2008 22:00	81	207	2200	7.577	7.577		0.0160	7.31E-05	26.7088	9.8414	36.5502		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	7.888	7.888		-0.0241	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	7.858	7.858	7.86	-0.0204	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	7.72	7.72		-0.0028	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	7.559	7.559		0.0184	8.69E-05	31.7738	11.7077	43.4815		
	7/26/2008 3:00	86	208	300	7.42	7.42		0.0375	2.09E-04	76.3061	28.1165	104.4226		
	7/26/2008 4:00	87	208	400	7.302	7.302		0.0542	3.29E-04	120.3021	44.3278	164.6298		
	7/26/2008 5:00	88	208	500	7.2	7.2		0.0692	4.44E-04	162.3006	59.8030	222.1036		
	7/26/2008 6:00	89	208	600	7.104	7.104		0.0836	5.61E-04	204.9926	75.5337	280.5263		
	7/26/2008 7:00	90	208	700	7.044	7.044		0.0928	6.38E-04	233.1942	85.9252	319.1194		
	7/26/2008 8:00	91	208	800	6.971	6.971		0.1043	7.36E-04	269.0666	99.1431	368.2097		
	7/26/2008 9:00	92	208	900	5.714	5.714		0.3472	3.24E-03	1182.7352	435.8031	1618.5383		
	7/26/2008 10:00	93	208	1000	4.586	4.586		0.6786	7.38E-03	2698.4451	994.2976	3692.7427		
	7/26/2008 11:00	94	208	1100	4.155	4.155		0.8527	9.78E-03	3574.5561	1317.1187	4891.6748		
	7/26/2008 12:00	95	208	1200	4.443	4.443		0.7326	8.11E-03	2965.2949	1092.6239	4057.9188		
	7/26/2008 13:00	96	208	1300	4.102	4.102		0.8766	1.01E-02	3698.4823	1362.7819	5061.2641		
	7/26/2008 14:00	97	208	1400	4.126	4.126		0.8657	9.96E-03	3641.8721	1341.9227	4983.7947		
	7/26/2008 15:00	98	208	1500	4.195	4.195		0.8350	9.53E-03	3483.6132	1283.6089	4767.2221		
	7/26/2008 16:00	99	208	1600	4.362	4.362		0.7648	8.55E-03	3126.4060	1151.9886	4278.3946		
	7/26/2008 17:00	100	208	1700	4.269	4.269		0.8032	9.09E-03	3320.9844	1223.6850	4544.6695		
	7/26/2008 18:00	101	208	1800	4.423	4.423		0.7404	8.22E-03	3004.3791	1107.0253	4111.4043		
	7/26/2008 19:00	102	208	1900	4.574	4.574		0.6830	7.44E-03	2720.0185	1002.2468	3722.2653		
	7/26/2008 20:00	103	208	2000	4.986	4.986		0.5439	5.62E-03	2055.1982	757.2801	2812.4783		
	7/26/2008 21:00	104	208	2100	6.122	6.122		0.2574	2.24E-03	818.3389	301.5338	1119.8727		
	7/26/2008 22:00	105	208	2200	7.206	7.206		0.0683	4.37E-04	159.7330	58.8569	218.5899		
	7/26/2008 23:00	106	208	2300	7.611	7.611		0.0114	4.84E-05	17.6970	6.5208	24.2179		
	7/27/2008 0:00	107	209	0	7.65	7.65	7.65	0.0063	2.31E-05	8.4572	3.1162	11.5735		
	7/27/2008 1:00	108	209	100	7.616	7.616		0.0108	4.50E-05	16.4402	6.0577	22.4979		
	7/27/2008 2:00	109	209	200	7.514	7.514		0.0245	1.24E-04	45.2065	16.6572	61.8637		
	7/27/2008 3:00	110	209	300	7.465	7.465		0.0312	1.67E-04	60.9428	22.4556	83.3985		
	7/27/2008 4:00	111	209	400	7.433	7.433		0.0357	1.96E-04	71.7827	26.4498	98.2325		
	7/27/2008 5:00	112	209	500	7.388	7.388		0.0420	2.40E-04	87.7237	32.3236	120.0473		
	7/27/2008 6:00	113	209	600	7.327	7.327		0.0506	3.02E-04	110.5560	40.7366	151.2926		
	7/27/2008 7:00	114	209	700	7.248	7.248		0.0621	3.89E-04	142.0964	52.3584	194.4548		
	7/27/2008 8:00	115	209	800	6.911	6.911		0.1139	8.20E-04	299.8315	110.4791	410.3105		
	7/27/2008 9:00	116	209	900	5.399	5.399		0.4258	4.16E-03	1520.4913	560.2563	2080.7476		
	7/27/2008 10:00	117	209	1000	4.12	4.12		0.8684	1.00E-02	3655.9475	1347.1090	5003.0565		
	7/27/2008 11:00	118	209	1100	3.974	3.974		0.9371	1.10E-02	4014.8615	1479.3583	5494.2198		
	7/27/2008 12:00	119	209	1200	3.949	3.949		0.9494	1.12E-02	4079.6359	1503.2258	5582.8617		
	7/27/2008 13:00	120	209	1300	4.06	4.06		0.8961	1.04E-02	3799.5625	1400.0270	5199.5895		
	7/27/2008 14:00	121	209	1400	4.03	4.03		0.9102	1.06E-02	3873.3715	1427.2234	5300.5949		
	7/27/2008 15:00	122	209	1500	4.055	4.055		0.8984	1.04E-02	3811.7697	1404.5250	5216.2947		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.121	4.121		0.8680	1.00E-02	3653.5980	1346.2433	4999.8413		
	7/27/2008 17:00	124	209	1700	4.122	4.122		0.8675	9.99E-03	3651.2500	1345.3781	4996.6281		
	7/27/2008 18:00	125	209	1800	4.182	4.182		0.8407	9.61E-03	3512.9307	1294.4116	4807.3422		
	7/27/2008 19:00	126	209	1900	4.328	4.328		0.7787	8.75E-03	3196.3179	1177.7491	4374.0669		
	7/27/2008 20:00	127	209	2000	4.744	4.744		0.6227	6.64E-03	2427.4393	894.4399	3321.8792		
	7/27/2008 21:00	128	209	2100	5.807	5.807		0.3256	2.99E-03	1092.9234	402.7101	1495.6336		
	7/27/2008 22:00	129	209	2200	6.783	6.783		0.1349	1.01E-03	369.3484	136.0940	505.4425		
	7/27/2008 23:00	130	209	2300	7.111	7.111		0.0825	5.52E-04	201.7781	74.3493	276.1274		
	7/28/2008 0:00	131	210	0	7.26	7.26	7.59	0.0603	3.75E-04	137.1667	50.5419	187.7086		
	7/28/2008 1:00	132	210	100	7.437	7.437		0.0351	1.93E-04	70.4046	25.9420	96.3466		
	7/28/2008 2:00	133	210	200	7.468	7.468		0.0308	1.64E-04	59.9487	22.0893	82.0380		
	7/28/2008 3:00	134	210	300	7.587	7.587		0.0146	6.56E-05	23.9791	8.8356	32.8147		
	7/28/2008 4:00	135	210	400	7.544	7.544		0.0204	9.89E-05	36.1341	13.3144	49.4485		
	7/28/2008 5:00	136	210	500	7.568	7.568		0.0172	7.99E-05	29.2177	10.7659	39.9835		
	7/28/2008 6:00	137	210	600	7.496	7.496		0.0269	1.39E-04	50.8604	18.7405	69.6009		
	7/28/2008 7:00	138	210	700	7.154	7.154		0.0760	4.99E-04	182.3810	67.2020	249.5831		
	7/28/2008 8:00	139	210	800	5.808	5.808		0.3254	2.99E-03	1091.9805	402.3627	1494.3432		
	7/28/2008 9:00	140	210	900	4.842	4.842		0.5898	6.21E-03	2270.8058	836.7251	3107.5310		
	7/28/2008 10:00	141	210	1000	4.399	4.399		0.7499	8.35E-03	3051.8773	1124.5270	4176.4042		
	7/28/2008 11:00	142	210	1100	4.284	4.284		0.7969	9.00E-03	3288.8788	1211.8550	4500.7338		
	7/28/2008 12:00	143	210	1200	4.238	4.238		0.8164	9.27E-03	3388.2442	1248.4683	4636.7125		
	7/28/2008 13:00	144	210	1300	4.248	4.248		0.8121	9.21E-03	3366.4126	1240.4240	4606.8365		
	7/28/2008 14:00	145	210	1400	4.213	4.213		0.8272	9.42E-03	3443.3939	1268.7893	4712.1832		
	7/28/2008 15:00	146	210	1500	4.136	4.136		0.8612	9.90E-03	3618.5264	1333.3205	4951.8468		
	7/28/2008 16:00	147	210	1600	4.182	4.182		0.8407	9.61E-03	3512.9307	1294.4116	4807.3422		
	7/28/2008 17:00	148	210	1700	4.175	4.175		0.8438	9.66E-03	3528.8118	1300.2633	4829.0751		
	7/28/2008 18:00	149	210	1800	4.258	4.258		0.8079	9.15E-03	3344.7098	1232.4271	4577.1369		
	7/28/2008 19:00	150	210	1900	4.443	4.443		0.7326	8.11E-03	2965.2949	1092.6239	4057.9188		
	7/28/2008 20:00	151	210	2000	4.821	4.821		0.5968	6.30E-03	2303.6703	848.8347	3152.5050		
	7/28/2008 21:00	152	210	2100	5.924	5.924		0.2995	2.70E-03	985.7799	363.2309	1349.0107		
	7/28/2008 22:00	153	210	2200	6.597	6.597		0.1669	1.31E-03	479.9896	176.8620	656.8516		
	7/28/2008 23:00	154	210	2300	6.94	6.94		0.1092	7.79E-04	284.8174	104.9468	389.7642		
	7/29/2008 0:00	155	211	0	7.173	7.173	7.48	0.0732	4.76E-04	174.0025	64.1148	238.1173		
	7/29/2008 1:00	156	211	100	7.313	7.313		0.0526	3.17E-04	115.9866	42.7376	158.7242		
	7/29/2008 2:00	157	211	200	7.402	7.402		0.0400	2.26E-04	82.6796	30.4650	113.1446		
	7/29/2008 3:00	158	211	300	7.413	7.413		0.0384	2.16E-04	78.7696	29.0243	107.7939		
	7/29/2008 4:00	159	211	400	7.48	7.48		0.0291	1.53E-04	56.0111	20.6384	76.6496		
	7/29/2008 5:00	160	211	500	7.409	7.409		0.0390	2.19E-04	80.1860	29.5462	109.7321		
	7/29/2008 6:00	161	211	600	7.251	7.251		0.0616	3.85E-04	140.8594	51.9026	192.7620		
	7/29/2008 7:00	162	211	700	6.869	6.869		0.1207	8.81E-04	322.0564	118.6683	440.7246		
	7/29/2008 8:00	163	211	800	6.021	6.021		0.2785	2.47E-03	901.6444	332.2294	1233.8738		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	4.807	4.807		0.6014	6.36E-03	2325.7890	856.9848	3182.7739		
	7/29/2008 10:00	165	211	1000	3.816	3.816		1.0173	1.22E-02	4441.9598	1636.7314	6078.6913		
	7/29/2008 11:00	166	211	1100	4.018	4.018		0.9159	1.07E-02	3903.2791	1438.2434	5341.5225		
	7/29/2008 12:00	167	211	1200	3.656	3.656		1.1056	1.35E-02	4921.1500	1813.2989	6734.4490		
	7/29/2008 13:00	168	211	1300	3.703	3.703		1.0789	1.31E-02	4775.1246	1759.4929	6534.6174		
	7/29/2008 14:00	169	211	1400	3.623	3.623		1.1248	1.38E-02	5026.4473	1852.0979	6878.5452		
	7/29/2008 15:00	170	211	1500	3.811	3.811		1.0199	1.22E-02	4456.1902	1641.9749	6098.1651		
	7/29/2008 16:00	171	211	1600	3.911	3.911		0.9683	1.14E-02	4180.0587	1540.2286	5720.2873		
	7/29/2008 17:00	172	211	1700	4.012	4.012		0.9187	1.07E-02	3918.3162	1443.7842	5362.1004		
	7/29/2008 18:00	173	211	1800	3.882	3.882		0.9830	1.17E-02	4258.3338	1569.0707	5827.4045		
	7/29/2008 19:00	174	211	1900	3.884	3.884		0.9820	1.16E-02	4252.8892	1567.0645	5819.9537		
	7/29/2008 20:00	175	211	2000	4.416	4.416		0.7432	8.26E-03	3018.1650	1112.1050	4130.2699		
	7/29/2008 21:00	176	211	2100	5.506	5.506		0.3981	3.83E-03	1399.6276	515.7216	1915.3492		
	7/29/2008 22:00	177	211	2200	6.466	6.466		0.1905	1.55E-03	565.0103	208.1897	773.2000		
	7/29/2008 23:00	178	211	2300	6.811	6.811		0.1302	9.68E-04	353.6866	130.3231	484.0096		
	7/30/2008 0:00	179	212	0	6.884	6.884	6.88	0.1182	8.59E-04	314.0535	115.7195	429.7730		
	7/30/2008 1:00	180	212	100	6.859	6.859		0.1223	8.96E-04	327.4320	120.6490	448.0810		
	7/30/2008 2:00	181	212	200	6.819	6.819		0.1289	9.56E-04	349.2588	128.6916	477.9503		
	7/30/2008 3:00	182	212	300	6.777	6.777		0.1359	1.02E-03	372.7380	137.3430	510.0809		
	7/30/2008 4:00	183	212	400	6.748	6.748		0.1408	1.07E-03	389.2875	143.4410	532.7284		
	7/30/2008 5:00	184	212	500	6.706	6.706		0.1479	1.13E-03	413.7485	152.4541	566.2026		
	7/30/2008 6:00	185	212	600	6.664	6.664		0.1552	1.20E-03	438.7975	161.6840	600.4815		
	7/30/2008 7:00	186	212	700	6.632	6.632		0.1607	1.25E-03	458.2810	168.8631	627.1441		
	7/30/2008 8:00	187	212	800	6.607	6.607		0.1651	1.30E-03	473.7444	174.5609	648.3053		
	7/30/2008 9:00	188	212	900	5.53	5.53		0.3920	3.76E-03	1373.4141	506.0627	1879.4768		
	7/30/2008 10:00	189	212	1000	3.839	3.839		1.0052	1.20E-02	4377.0864	1612.8275	5989.9139		
	7/30/2008 11:00	190	212	1100	3.055	3.055		1.5198	1.99E-02	7280.9415	2682.8126	9963.7541		
	7/30/2008 12:00	191	212	1200	3.005	3.005		1.5617	2.06E-02	7528.9818	2774.2082	10303.1900		
	7/30/2008 13:00	192	212	1300	2.98	2.98		1.5832	2.09E-02	7656.7235	2821.2772	10478.0007		
	7/30/2008 14:00	193	212	1400	2.988	2.988		1.5763	2.08E-02	7615.5696	2806.1132	10421.6828		
	7/30/2008 15:00	194	212	1500	3.136	3.136		1.4547	1.89E-02	6899.0357	2542.0916	9441.1273		
	7/30/2008 16:00	195	212	1600	3.109	3.109		1.4760	1.92E-02	7023.7005	2588.0269	9611.7274		
	7/30/2008 17:00	196	212	1700	3.135	3.135		1.4555	1.89E-02	6903.6072	2543.7761	9447.3833		
	7/30/2008 18:00	197	212	1800	3.255	3.255		1.3650	1.75E-02	6378.9094	2350.4404	8729.3498		
	7/30/2008 19:00	198	212	1900	3.346	3.346		1.3007	1.64E-02	6010.9312	2214.8512	8225.7824		
	7/30/2008 20:00	199	212	2000	3.804	3.804		1.0237	1.22E-02	4476.1900	1649.3443	6125.5342		
	7/30/2008 21:00	200	212	2100	5.001	5.001		0.5393	5.56E-03	2033.6800	749.3512	2783.0312		
	7/30/2008 22:00	201	212	2200	5.931	5.931		0.2979	2.68E-03	979.5687	360.9422	1340.5109		
	7/30/2008 23:00	202	212	2300	6.328	6.328		0.2165	1.81E-03	661.2279	243.6430	904.8709		
	7/31/2008 0:00	203	213	0	6.534	6.534	6.66	0.1781	1.42E-03	520.1274	191.6517	711.7791		
	7/31/2008 1:00	204	213	100	6.628	6.628		0.1614	1.26E-03	460.7409	169.7694	630.5103		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	6.636	6.636		0.1600	1.25E-03	455.8266	167.9587	623.7853		
	7/31/2008 3:00	206	213	300	6.632	6.632		0.1607	1.25E-03	458.2810	168.8631	627.1441		
	7/31/2008 4:00	207	213	400	6.657	6.657		0.1564	1.21E-03	443.0300	163.2435	606.2735		
	7/31/2008 5:00	208	213	500	6.642	6.642		0.1590	1.24E-03	452.1552	166.6059	618.7611		
	7/31/2008 6:00	209	213	600	6.63	6.63		0.1611	1.26E-03	459.5103	169.3160	628.8263		
	7/31/2008 7:00	210	213	700	6.616	6.616		0.1635	1.28E-03	468.1531	172.5006	640.6537		
	7/31/2008 8:00	211	213	800	6.434	6.434		0.1965	1.61E-03	586.7021	216.1824	802.8845		
	7/31/2008 9:00	212	213	900	5.123	5.123		0.5026	5.10E-03	1864.8738	687.1511	2552.0250		
	7/31/2008 10:00	213	213	1000	3.399	3.399		1.2648	1.59E-02	5807.4998	2139.8928	7947.3926		
	7/31/2008 11:00	214	213	1100	3.05	3.05		1.5239	2.00E-02	7305.3101	2691.7917	9997.1018		
	7/31/2008 12:00	215	213	1200	2.846	2.846		1.7048	2.29E-02	8387.1132	3090.4043	11477.5175		
	7/31/2008 13:00	216	213	1300	2.935	2.935		1.6228	2.16E-02	7893.1905	2908.4084	10801.5988		
	7/31/2008 14:00	217	213	1400	2.866	2.866		1.6860	2.26E-02	8272.9505	3048.3388	11321.2892		
	7/31/2008 15:00	218	213	1500	2.955	2.955		1.6051	2.13E-02	7787.0380	2869.2943	10656.3324		
	7/31/2008 16:00	219	213	1600	3.082	3.082		1.4977	1.96E-02	7150.9772	2634.9246	9785.9018		
	7/31/2008 17:00	220	213	1700	3.113	3.113		1.4729	1.92E-02	7005.0686	2581.1616	9586.2302		
	7/31/2008 18:00	221	213	1800	3.187	3.187		1.4154	1.83E-02	6670.4279	2457.8564	9128.2843		
	7/31/2008 19:00	222	213	1900	3.436	3.436		1.2404	1.55E-02	5669.9585	2089.2128	7759.1713		
	7/31/2008 20:00	223	213	2000	4.022	4.022		0.9140	1.07E-02	3893.2853	1434.5610	5327.8463		
	7/31/2008 21:00	224	213	2100	4.707	4.707		0.6354	6.81E-03	2488.7946	917.0476	3405.8422		
	7/31/2008 22:00	225	213	2200	5.521	5.521		0.3943	3.78E-03	1383.2066	509.6709	1892.8775		
	7/31/2008 23:00	226	213	2300	5.62	5.62		0.3698	3.50E-03	1277.9193	470.8756	1748.7949		
	8/1/2008 0:00	227	214	0	5.818	5.818	6.49	0.3231	2.96E-03	1082.5776	398.8980	1481.4756		
	8/1/2008 1:00	228	214	100	6.208	6.208		0.2400	2.05E-03	750.7164	276.6169	1027.3333		
	8/1/2008 2:00	229	214	200	6.435	6.435		0.1963	1.60E-03	586.0186	215.9306	801.9492		
	8/1/2008 3:00	230	214	300	6.419	6.419		0.1993	1.63E-03	596.9974	219.9760	816.9734		
	8/1/2008 4:00	231	214	400	6.471	6.471		0.1896	1.54E-03	561.6542	206.9530	768.6073		
	8/1/2008 5:00	232	214	500	6.493	6.493		0.1856	1.50E-03	546.9932	201.5509	748.5441		
	8/1/2008 6:00	233	214	600	6.474	6.474		0.1891	1.53E-03	559.6448	206.2127	765.8575		
	8/1/2008 7:00	234	214	700	6.463	6.463		0.1911	1.55E-03	567.0283	208.9332	775.9616		
	8/1/2008 8:00	235	214	800	6.207	6.207		0.2402	2.06E-03	751.4857	276.9004	1028.3860		
	8/1/2008 9:00	236	214	900	4.953	4.953		0.5542	5.75E-03	2103.1482	774.9482	2878.0965		
	8/1/2008 10:00	237	214	1000	3.298	3.298		1.3341	1.70E-02	6201.9871	2285.2497	8487.2368		
	8/1/2008 11:00	238	214	1100	3.099	3.099		1.4840	1.93E-02	7070.5315	2605.2827	9675.8142		
	8/1/2008 12:00	239	214	1200	3.018	3.018		1.5507	2.04E-02	7463.5497	2750.0984	10213.6481		
	8/1/2008 13:00	240	214	1300	3.007	3.007		1.5600	2.06E-02	7518.8715	2770.4828	10289.3543		
	8/1/2008 14:00	241	214	1400	3.011	3.011		1.5566	2.05E-02	7498.6988	2763.0498	10261.7487		
	8/1/2008 15:00	242	214	1500	3.07	3.07		1.5075	1.97E-02	7208.4027	2656.0842	9864.4869		
	8/1/2008 16:00	243	214	1600	3.164	3.164		1.4330	1.85E-02	6772.4344	2495.4428	9267.8772		
	8/1/2008 17:00	244	214	1700	3.224	3.224		1.3877	1.78E-02	6509.9796	2398.7359	8908.7155		
	8/1/2008 18:00	245	214	1800	3.285	3.285		1.3434	1.71E-02	6254.8887	2304.7424	8559.6310		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	3.45	3.45		1.2313	1.54E-02	5618.8442	2070.3787	7689.2229		
	8/1/2008 20:00	247	214	2000	4.049	4.049		0.9012	1.05E-02	3826.4679	1409.9408	5236.4087		
	8/1/2008 21:00	248	214	2100	5.296	5.296		0.4535	4.50E-03	1643.2838	605.5017	2248.7855		
	8/1/2008 22:00	249	214	2200	6.042	6.042		0.2741	2.42E-03	883.9689	325.7165	1209.6854		
	8/1/2008 23:00	250	214	2300	6.26	6.26		0.2297	1.95E-03	711.2550	262.0765	973.3316		
	8/2/2008 0:00	251	215	0	6.305	6.305	6.51	0.2209	1.85E-03	677.9515	249.8052	927.7567		
	8/2/2008 1:00	252	215	100	6.409	6.409		0.2011	1.65E-03	603.9065	222.5218	826.4282		
	8/2/2008 2:00	253	215	200	6.499	6.499		0.1845	1.49E-03	543.0246	200.0886	743.1132		
	8/2/2008 3:00	254	215	300	6.514	6.514		0.1818	1.46E-03	533.1587	196.4533	729.6120		
	8/2/2008 4:00	255	215	400	6.413	6.413		0.2004	1.64E-03	601.1385	221.5018	822.6403		
	8/2/2008 5:00	256	215	500	6.362	6.362		0.2100	1.74E-03	636.8705	234.6680	871.5385		
	8/2/2008 6:00	257	215	600	6.359	6.359		0.2106	1.75E-03	639.0023	235.4535	874.4558		
	8/2/2008 7:00	258	215	700	6.147	6.147		0.2523	2.18E-03	798.3731	294.1770	1092.5500		
	8/2/2008 8:00	259	215	800	5.118	5.118		0.5041	5.12E-03	1871.5808	689.6224	2561.2032		
	8/2/2008 9:00	260	215	900	3.693	3.693		1.0845	1.31E-02	4805.8138	1770.8009	6576.6147		
	8/2/2008 10:00	261	215	1000	3.277	3.277		1.3491	1.72E-02	6287.6943	2316.8303	8604.5246		
	8/2/2008 11:00	262	215	1100	3.153	3.153		1.4415	1.87E-02	6821.8501	2513.6510	9335.5011		
	8/2/2008 12:00	263	215	1200	3.034	3.034		1.5372	2.02E-02	7383.9331	2720.7620	10104.6951		
	8/2/2008 13:00	264	215	1300	3.052	3.052		1.5223	2.00E-02	7295.5512	2688.1959	9983.7471		
	8/2/2008 14:00	265	215	1400	3.079	3.079		1.5002	1.96E-02	7165.2835	2640.1961	9805.4796		
	8/2/2008 15:00	266	215	1500	3.077	3.077		1.5018	1.96E-02	7174.8396	2643.7172	9818.5568		
	8/2/2008 16:00	267	215	1600	3.106	3.106		1.4784	1.93E-02	7037.7120	2593.1897	9630.9017		
	8/2/2008 17:00	268	215	1700	3.124	3.124		1.4641	1.90E-02	6954.1246	2562.3902	9516.5148		
	8/2/2008 18:00	269	215	1800	3.228	3.228		1.3848	1.78E-02	6492.8976	2392.4417	8885.3393		
	8/2/2008 19:00	270	215	1900	3.389	3.389		1.2715	1.60E-02	5845.2963	2153.8196	7999.1159		
	8/2/2008 20:00	271	215	2000	3.891	3.891		0.9784	1.16E-02	4233.8875	1560.0629	5793.9504		
	8/2/2008 21:00	272	215	2100	4.712	4.712		0.6337	6.79E-03	2480.4302	913.9655	3394.3957		
	8/2/2008 22:00	273	215	2200	5.68	5.68		0.3553	3.33E-03	1216.6406	448.2963	1664.9369		
	8/2/2008 23:00	274	215	2300	6.1	6.1		0.2620	2.29E-03	836.1210	308.0860	1144.2070		
	8/3/2008 0:00	275	216	0	6.034	6.034	6.33	0.2758	2.44E-03	890.6801	328.1894	1218.8696		
	8/3/2008 1:00	276	216	100	5.845	5.845		0.3170	2.89E-03	1057.4262	389.6304	1447.0566		
	8/3/2008 2:00	277	216	200	5.962	5.962		0.2912	2.61E-03	952.3254	350.9039	1303.2292		
	8/3/2008 3:00	278	216	300	6.132	6.132		0.2554	2.22E-03	810.3219	298.5798	1108.9017		
	8/3/2008 4:00	279	216	400	6.259	6.259		0.2299	1.95E-03	712.0040	262.3525	974.3565		
	8/3/2008 5:00	280	216	500	6.33	6.33		0.2161	1.81E-03	659.7831	243.1107	902.8937		
	8/3/2008 6:00	281	216	600	6.25	6.25		0.2317	1.97E-03	718.7618	264.8426	983.6043		
	8/3/2008 7:00	282	216	700	6.033	6.033		0.2760	2.44E-03	891.5210	328.4992	1220.0202		
	8/3/2008 8:00	283	216	800	5.208	5.208		0.4781	4.80E-03	1753.5033	646.1144	2399.6177		
	8/3/2008 9:00	284	216	900	3.599	3.599		1.1389	1.40E-02	5104.5073	1880.8607	6985.3680		
	8/3/2008 10:00	285	216	1000	3.024	3.024		1.5456	2.03E-02	7433.5760	2739.0540	10172.6299		
	8/3/2008 11:00	286	216	1100	2.955	2.955		1.6051	2.13E-02	7787.0380	2869.2943	10656.3324		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	2.97	2.97		1.5919	2.11E-02	7708.5366	2840.3688	10548.9054		
	8/3/2008 13:00	288	216	1300	2.973	2.973		1.5893	2.10E-02	7692.9492	2834.6253	10527.5745		
	8/3/2008 14:00	289	216	1400	2.985	2.985		1.5789	2.09E-02	7630.9716	2811.7884	10442.7600		
	8/3/2008 15:00	290	216	1500	3.016	3.016		1.5524	2.04E-02	7473.5725	2753.7915	10227.3640		
	8/3/2008 16:00	291	216	1600	3.067	3.067		1.5099	1.98E-02	7222.8428	2661.4050	9884.2478		
	8/3/2008 17:00	292	216	1700	3.12	3.12		1.4673	1.91E-02	6972.6000	2569.1979	9541.7979		
	8/3/2008 18:00	293	216	1800	3.225	3.225		1.3870	1.78E-02	6505.7044	2397.1606	8902.8649		
	8/3/2008 19:00	294	216	1900	3.402	3.402		1.2628	1.59E-02	5796.2132	2135.7340	7931.9471		
	8/3/2008 20:00	295	216	2000	3.718	3.718		1.0705	1.29E-02	4729.4689	1742.6701	6472.1390		
	8/3/2008 21:00	296	216	2100	4.408	4.408		0.7464	8.30E-03	3033.9884	1117.9354	4151.9239		
	8/3/2008 22:00	297	216	2200	5.029	5.029		0.5307	5.46E-03	1993.9688	734.7188	2728.6877		
	8/3/2008 23:00	298	216	2300	5.228	5.228		0.4725	4.73E-03	1728.0091	636.7205	2364.7295		
	8/4/2008 0:00	299	217	0	5.278	5.278	5.89	0.4585	4.56E-03	1665.4211	613.6587	2279.0798		
	8/4/2008 1:00	300	217	100	5.293	5.293		0.4544	4.51E-03	1646.9590	606.8559	2253.8150		
	8/4/2008 2:00	301	217	200	5.071	5.071		0.5180	5.30E-03	1935.4960	713.1733	2648.6693		
	8/4/2008 3:00	302	217	300	4.895	4.895		0.5726	5.99E-03	2189.5034	806.7676	2996.2710		
	8/4/2008 4:00	303	217	400	4.705	4.705		0.6361	6.82E-03	2492.1469	918.2828	3410.4296		
	8/4/2008 5:00	304	217	500	4.754	4.754		0.6193	6.60E-03	2411.0696	888.4082	3299.4778		
	8/4/2008 6:00	305	217	600	5.051	5.051		0.5241	5.37E-03	1963.1782	723.3734	2686.5516		
	8/4/2008 7:00	306	217	700	5.05	5.05		0.5244	5.38E-03	1964.5700	723.8862	2688.4562		
	8/4/2008 8:00	307	217	800	4.83	4.83		0.5938	6.26E-03	2289.5397	843.6280	3133.1677		
	8/4/2008 9:00	308	217	900	4.506	4.506		0.7084	7.78E-03	2845.0613	1048.3213	3893.3826		
	8/4/2008 10:00	309	217	1000	3.739	3.739		1.0588	1.28E-02	4666.3030	1719.3953	6385.6984		
	8/4/2008 11:00	310	217	1100	3.199	3.199		1.4064	1.81E-02	6617.9034	2438.5026	9056.4060		
	8/4/2008 12:00	311	217	1200	3.066	3.066		1.5108	1.98E-02	7227.6636	2663.1813	9890.8450		
	8/4/2008 13:00	312	217	1300	3.063	3.063		1.5132	1.98E-02	7242.1487	2668.5186	9910.6674		
	8/4/2008 14:00	313	217	1400	3.313	3.313		1.3236	1.68E-02	6141.5664	2262.9865	8404.5529		
	8/4/2008 15:00	314	217	1500	3.541	3.541		1.1740	1.45E-02	5298.4807	1952.3342	7250.8149		
	8/4/2008 16:00	315	217	1600	3.144	3.144		1.4485	1.88E-02	6862.5888	2528.6620	9391.2508		
	8/4/2008 17:00	316	217	1700	3.13	3.13		1.4594	1.90E-02	6926.5171	2552.2177	9478.7347		
	8/4/2008 18:00	317	217	1800	3.25	3.25		1.3686	1.75E-02	6399.8470	2358.1552	8758.0022		
	8/4/2008 19:00	318	217	1900	3.472	3.472		1.2172	1.52E-02	5539.5277	2041.1529	7580.6806		
	8/4/2008 20:00	319	217	2000	3.923	3.923		0.9623	1.13E-02	4148.0865	1528.4478	5676.5342		
	8/4/2008 21:00	320	217	2100	5.032	5.032		0.5298	5.44E-03	1989.7490	733.1639	2722.9129		
	8/4/2008 22:00	321	217	2200	5.698	5.698		0.3510	3.28E-03	1198.6179	441.6554	1640.2733		
	8/4/2008 23:00	322	217	2300	5.893	5.893		0.3063	2.77E-03	1013.5530	373.4644	1387.0174		
	8/5/2008 0:00	323	218	0	6.068	6.068	6.32	0.2686	2.36E-03	862.3449	317.7487	1180.0936		
	8/5/2008 1:00	324	218	100	6.179	6.179		0.2458	2.12E-03	773.1869	284.8966	1058.0835		
	8/5/2008 2:00	325	218	200	6.267	6.267		0.2283	1.93E-03	706.0234	260.1488	966.1722		
	8/5/2008 3:00	326	218	300	6.211	6.211		0.2394	2.05E-03	748.4109	275.7674	1024.1783		
	8/5/2008 4:00	327	218	400	6.088	6.088		0.2645	2.31E-03	845.9049	311.6911	1157.5959		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	6.076	6.076		0.2670	2.34E-03	855.7488	315.3182	1171.0670		
	8/5/2008 6:00	329	218	600	6.15	6.15		0.2517	2.18E-03	795.9943	293.3005	1089.2947		
	8/5/2008 7:00	330	218	700	6.178	6.178		0.2460	2.12E-03	773.9677	285.1843	1059.1521		
	8/5/2008 8:00	331	218	800	5.905	5.905		0.3036	2.74E-03	1002.7503	369.4840	1372.2343		
	8/5/2008 9:00	332	218	900	4.752	4.752		0.6199	6.61E-03	2414.3364	889.6119	3303.9483		
	8/5/2008 10:00	333	218	1000	3.524	3.524		1.1844	1.47E-02	5356.8074	1973.8259	7330.6332		
	8/5/2008 11:00	334	218	1100	3.567	3.567		1.1581	1.43E-02	5210.5790	1919.9450	7130.5239		
	8/5/2008 12:00	335	218	1200	3.291	3.291		1.3391	1.70E-02	6230.4101	2295.7228	8526.1329		
	8/5/2008 13:00	336	218	1300	2.899	2.899		1.6554	2.21E-02	8088.6526	2980.4304	11069.0830		
	8/5/2008 14:00	337	218	1400	3.261	3.261		1.3606	1.74E-02	6353.8860	2341.2200	8695.1060		
	8/5/2008 15:00	338	218	1500	3.552	3.552		1.1672	1.44E-02	5261.1008	1938.5608	7199.6615		
	8/5/2008 16:00	339	218	1600	3.496	3.496		1.2019	1.49E-02	5454.3768	2009.7773	7464.1541		
	8/5/2008 17:00	340	218	1700	3.149	3.149		1.4446	1.87E-02	6839.9218	2520.3099	9360.2317		
	8/5/2008 18:00	341	218	1800	2.99	2.99		1.5746	2.08E-02	7605.3220	2802.3373	10407.6593		
	8/5/2008 19:00	342	218	1900	3.149	3.149		1.4446	1.87E-02	6839.9218	2520.3099	9360.2317		
	8/5/2008 20:00	343	218	2000	3.872	3.872		0.9881	1.17E-02	4285.6609	1579.1399	5864.8008		
	8/5/2008 21:00	344	218	2100	5.356	5.356		0.4373	4.30E-03	1570.9627	578.8535	2149.8163		
	8/5/2008 22:00	345	218	2200	6.078	6.078		0.2665	2.34E-03	854.1040	314.7122	1168.8161		
	8/5/2008 23:00	346	218	2300	6.316	6.316		0.2188	1.83E-03	669.9283	246.8489	916.7771		
	8/6/2008 0:00	347	219	0	6.493	6.493	6.52	0.1856	1.50E-03	546.9932	201.5509	748.5441		
	8/6/2008 1:00	348	219	100	6.52	6.52		0.1807	1.45E-03	529.2346	195.0074	724.2420		
	8/6/2008 2:00	349	219	200	6.52	6.52		0.1807	1.45E-03	529.2346	195.0074	724.2420		
	8/6/2008 3:00	350	219	300	6.508	6.508		0.1829	1.47E-03	537.0955	197.9039	734.9994		
	8/6/2008 4:00	351	219	400	6.497	6.497		0.1849	1.49E-03	544.3460	200.5755	744.9215		
	8/6/2008 5:00	352	219	500	6.462	6.462		0.1913	1.55E-03	567.7017	209.1814	776.8830		
	8/6/2008 6:00	353	219	600	6.441	6.441		0.1952	1.59E-03	581.9255	214.4224	796.3479		
	8/6/2008 7:00	354	219	700	6.433	6.433		0.1966	1.61E-03	587.3859	216.4344	803.8203		
	8/6/2008 8:00	355	219	800	6.419	6.419		0.1993	1.63E-03	596.9974	219.9760	816.9734		
	8/6/2008 9:00	356	219	900	6.132	6.132		0.2554	2.22E-03	810.3219	298.5798	1108.9017		
	8/6/2008 10:00	357	219	1000	4.162	4.162		0.8496	9.74E-03	3558.4830	1311.1963	4869.6793		
	8/6/2008 11:00	358	219	1100	2.876	2.876		1.6766	2.25E-02	8216.5734	3027.5655	11244.1389		
	8/6/2008 12:00	359	219	1200	3.236	3.236		1.3789	1.77E-02	6458.8854	2379.9092	8838.7946		
	8/6/2008 13:00	360	219	1300	3.59	3.59		1.1443	1.40E-02	5134.1076	1891.7675	7025.8751		
	8/6/2008 14:00	361	219	1400	3.25	3.25		1.3686	1.75E-02	6399.8470	2358.1552	8758.0022		
	8/6/2008 15:00	362	219	1500	2.899	2.899		1.6554	2.21E-02	8088.6526	2980.4304	11069.0830		
	8/6/2008 16:00	363	219	1600	2.897	2.897		1.6572	2.22E-02	8099.6807	2984.4939	11084.1746		
	8/6/2008 17:00	364	219	1700	2.833	2.833		1.7173	2.32E-02	8462.3428	3118.1242	11580.4670		
	8/6/2008 18:00	365	219	1800	3.156	3.156		1.4392	1.86E-02	6808.3322	2508.6700	9317.0023		
	8/6/2008 19:00	366	219	1900	3.352	3.352		1.2965	1.64E-02	5987.5117	2206.2218	8193.7335		
	8/6/2008 20:00	367	219	2000	3.753	3.753		1.0512	1.27E-02	4624.6729	1704.0558	6328.7287		
	8/6/2008 21:00	368	219	2100	4.803	4.803		0.6027	6.38E-03	2332.1397	859.3248	3191.4645		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	5.919	5.919		0.3006	2.71E-03	990.2299	364.8706	1355.1005		
	8/6/2008 23:00	370	219	2300	6.252	6.252		0.2313	1.96E-03	717.2573	264.2882	981.5455		
	8/7/2008 0:00	371	220	0	6.419	6.419	6.50	0.1993	1.63E-03	596.9974	219.9760	816.9734		
	8/7/2008 1:00	372	220	100	6.497	6.497		0.1849	1.49E-03	544.3460	200.5755	744.9215		
	8/7/2008 2:00	373	220	200	6.496	6.496		0.1850	1.49E-03	545.0073	200.8191	745.8264		
	8/7/2008 3:00	374	220	300	6.485	6.485		0.1870	1.51E-03	552.3046	203.5080	755.8125		
	8/7/2008 4:00	375	220	400	6.456	6.456		0.1924	1.56E-03	571.7494	210.6728	782.4223		
	8/7/2008 5:00	376	220	500	6.437	6.437		0.1959	1.60E-03	584.6528	215.4273	800.0802		
	8/7/2008 6:00	377	220	600	6.42	6.42		0.1991	1.63E-03	596.3085	219.7221	816.0307		
	8/7/2008 7:00	378	220	700	6.41	6.41		0.2009	1.65E-03	603.2139	222.2666	825.4805		
	8/7/2008 8:00	379	220	800	6.406	6.406		0.2017	1.66E-03	605.9863	223.2881	829.2744		
	8/7/2008 9:00	380	220	900	5.696	5.696		0.3515	3.29E-03	1200.6123	442.3903	1643.0026		
	8/7/2008 10:00	381	220	1000	3.876	3.876		0.9861	1.17E-02	4274.7092	1575.1045	5849.8137		
	8/7/2008 11:00	382	220	1100	2.785	2.785		1.7641	2.39E-02	8747.3239	3223.1314	11970.4554		
	8/7/2008 12:00	383	220	1200	2.715	2.715		1.8354	2.51E-02	9184.3364	3384.1576	12568.4940		
	8/7/2008 13:00	384	220	1300	2.733	2.733		1.8167	2.48E-02	9069.4380	3341.8210	12411.2590		
	8/7/2008 14:00	385	220	1400	2.834	2.834		1.7163	2.31E-02	8456.5269	3115.9813	11572.5081		
	8/7/2008 15:00	386	220	1500	2.92	2.92		1.6363	2.18E-02	7973.9385	2938.1616	10912.1001		
	8/7/2008 16:00	387	220	1600	2.954	2.954		1.6060	2.13E-02	7792.3052	2871.2351	10663.5403		
	8/7/2008 17:00	388	220	1700	2.96	2.96		1.6007	2.12E-02	7760.7659	2859.6138	10620.3797		
	8/7/2008 18:00	389	220	1800	3.064	3.064		1.5124	1.98E-02	7237.3166	2666.7382	9904.0548		
	8/7/2008 19:00	390	220	1900	3.326	3.326		1.3145	1.67E-02	6089.7316	2243.8868	8333.6184		
	8/7/2008 20:00	391	220	2000	3.756	3.756		1.0495	1.26E-02	4615.8016	1700.7870	6316.5886		
	8/7/2008 21:00	392	220	2100	4.818	4.818		0.5978	6.32E-03	2308.3959	850.5759	3158.9718		
	8/7/2008 22:00	393	220	2200	5.574	5.574		0.3811	3.63E-03	1326.1811	488.6587	1814.8398		
	8/7/2008 23:00	394	220	2300	6.031	6.031		0.2764	2.44E-03	893.2039	329.1194	1222.3233		
	8/8/2008 0:00	395	221	0	6.282	6.282	6.53	0.2254	1.90E-03	694.8763	256.0414	950.9177		
	8/8/2008 1:00	396	221	100	6.311	6.311		0.2198	1.84E-03	673.5695	248.1905	921.7601		
	8/8/2008 2:00	397	221	200	6.465	6.465		0.1907	1.55E-03	565.6826	208.4374	774.1200		
	8/8/2008 3:00	398	221	300	6.528	6.528		0.1792	1.43E-03	524.0221	193.0867	717.1088		
	8/8/2008 4:00	399	221	400	6.52	6.52		0.1807	1.45E-03	529.2346	195.0074	724.2420		
	8/8/2008 5:00	400	221	500	6.495	6.495		0.1852	1.49E-03	545.6689	201.0629	746.7318		
	8/8/2008 6:00	401	221	600	6.471	6.471		0.1896	1.54E-03	561.6542	206.9530	768.6073		
	8/8/2008 7:00	402	221	700	6.462	6.462		0.1913	1.55E-03	567.7017	209.1814	776.8830		
	8/8/2008 8:00	403	221	800	6.33	6.33		0.2161	1.81E-03	659.7831	243.1107	902.8937		
	8/8/2008 9:00	404	221	900	4.94	4.94		0.5583	5.81E-03	2122.2709	781.9944	2904.2653		
	8/8/2008 10:00	405	221	1000	3.225	3.225		1.3870	1.78E-02	6505.7044	2397.1606	8902.8649		
	8/8/2008 11:00	406	221	1100	2.908	2.908		1.6472	2.20E-02	8039.2489	2962.2266	11001.4754		
	8/8/2008 12:00	407	221	1200	2.734	2.734		1.8157	2.48E-02	9063.1071	3339.4882	12402.5953		
	8/8/2008 13:00	408	221	1300	2.718	2.718		1.8322	2.51E-02	9165.0620	3377.0556	12542.1177		
	8/8/2008 14:00	409	221	1400	2.837	2.837		1.7134	2.31E-02	8439.1083	3109.5630	11548.6714		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	2.886	2.886		1.6674	2.23E-02	8160.6588	3006.9626	11167.6214		
	8/8/2008 16:00	411	221	1600	2.916	2.916		1.6399	2.19E-02	7995.6378	2946.1572	10941.7949		
	8/8/2008 17:00	412	221	1700	3.016	3.016		1.5524	2.04E-02	7473.5725	2753.7915	10227.3640		
	8/8/2008 18:00	413	221	1800	3.226	3.226		1.3862	1.78E-02	6501.4323	2395.5864	8897.0187		
	8/8/2008 19:00	414	221	1900	3.286	3.286		1.3427	1.71E-02	6250.8015	2303.2364	8554.0378		
	8/8/2008 20:00	415	221	2000	3.77	3.77		1.0419	1.25E-02	4574.6308	1685.6168	6260.2477		
	8/8/2008 21:00	416	221	2100	4.685	4.685		0.6431	6.91E-03	2525.8734	930.7100	3456.5834		
	8/8/2008 22:00	417	221	2200	5.418	5.418		0.4208	4.10E-03	1498.5428	552.1689	2050.7117		
	8/8/2008 23:00	418	221	2300	5.705	5.705		0.3493	3.26E-03	1191.6534	439.0892	1630.7426		
	8/9/2008 0:00	419	222	0	5.763	5.763	6.38	0.3358	3.11E-03	1134.8880	418.1728	1553.0608		
	8/9/2008 1:00	420	222	100	5.773	5.773		0.3334	3.08E-03	1125.2683	414.6282	1539.8965		
	8/9/2008 2:00	421	222	200	5.829	5.829		0.3206	2.93E-03	1072.2892	395.1070	1467.3962		
	8/9/2008 3:00	422	222	300	5.854	5.854		0.3150	2.87E-03	1049.1185	386.5693	1435.6878		
	8/9/2008 4:00	423	222	400	5.85	5.85		0.3159	2.88E-03	1052.8062	387.9281	1440.7342		
	8/9/2008 5:00	424	222	500	5.75	5.75		0.3388	3.14E-03	1147.4666	422.8077	1570.2743		
	8/9/2008 6:00	425	222	600	5.731	5.731		0.3432	3.19E-03	1166.0004	429.6368	1595.6372		
	8/9/2008 7:00	426	222	700	5.455	5.455		0.4112	3.98E-03	1456.4100	536.6442	1993.0542		
	8/9/2008 8:00	427	222	800	4.909	4.909		0.5681	5.93E-03	2168.4123	798.9961	2967.4084		
	8/9/2008 9:00	428	222	900	5.237	5.237		0.4699	4.70E-03	1716.6229	632.5250	2349.1480		
	8/9/2008 10:00	429	222	1000	5.11	5.11		0.5065	5.15E-03	1882.3486	693.5901	2575.9387		
	8/9/2008 11:00	430	222	1100	4.608	4.608		0.6706	7.28E-03	2659.2686	979.8622	3639.1308		
	8/9/2008 12:00	431	222	1200	3.753	3.753		1.0512	1.27E-02	4624.6729	1704.0558	6328.7287		
	8/9/2008 13:00	432	222	1300	3.406	3.406		1.2601	1.58E-02	5781.2016	2130.2026	7911.4042		
	8/9/2008 14:00	433	222	1400	2.935	2.935		1.6228	2.16E-02	7893.1905	2908.4084	10801.5988		
	8/9/2008 15:00	434	222	1500	2.82	2.82		1.7298	2.34E-02	8538.3934	3146.1467	11684.5401		
	8/9/2008 16:00	435	222	1600	2.969	2.969		1.5928	2.11E-02	7713.7407	2842.2864	10556.0271		
	8/9/2008 17:00	436	222	1700	3.111	3.111		1.4744	1.92E-02	7014.3774	2584.5916	9598.9690		
	8/9/2008 18:00	437	222	1800	3.18	3.18		1.4208	1.83E-02	6701.2865	2469.2268	9170.5133		
	8/9/2008 19:00	438	222	1900	3.38	3.38		1.2775	1.61E-02	5879.5439	2166.4389	8045.9827		
	8/9/2008 20:00	439	222	2000	3.914	3.914		0.9668	1.14E-02	4172.0430	1537.2750	5709.3180		
	8/9/2008 21:00	440	222	2100	5.213	5.213		0.4767	4.78E-03	1747.1048	643.7567	2390.8615		
	8/9/2008 22:00	441	222	2200	6.126	6.126		0.2566	2.23E-03	815.1272	300.3504	1115.4775		
	8/9/2008 23:00	442	222	2300	6.375	6.375		0.2075	1.72E-03	627.6712	231.2784	858.9496		
	8/10/2008 0:00	443	223	0	6.417	6.417	6.44	0.1996	1.64E-03	598.3763	220.4841	818.8604		
	8/10/2008 1:00	444	223	100	6.441	6.441		0.1952	1.59E-03	581.9255	214.4224	796.3479		
	8/10/2008 2:00	445	223	200	6.429	6.429		0.1974	1.61E-03	590.1248	217.4436	807.5684		
	8/10/2008 3:00	446	223	300	6.415	6.415		0.2000	1.64E-03	599.7567	220.9927	820.7494		
	8/10/2008 4:00	447	223	400	6.407	6.407		0.2015	1.66E-03	605.2927	223.0325	828.3252		
	8/10/2008 5:00	448	223	500	6.377	6.377		0.2072	1.71E-03	626.2615	230.7589	857.0204		
	8/10/2008 6:00	449	223	600	6.357	6.357		0.2109	1.75E-03	640.4254	235.9779	876.4032		
	8/10/2008 7:00	450	223	700	6.354	6.354		0.2115	1.76E-03	642.5628	236.7655	879.3282		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	6.342	6.342		0.2138	1.78E-03	651.1460	239.9281	891.0741		
	8/10/2008 9:00	452	223	900	5.519	5.519		0.3948	3.79E-03	1385.3888	510.4750	1895.8638		
	8/10/2008 10:00	453	223	1000	3.924	3.924		0.9618	1.13E-02	4145.4330	1527.4700	5672.9031		
	8/10/2008 11:00	454	223	1100	2.776	2.776		1.7731	2.41E-02	8802.0560	3243.2986	12045.3546		
	8/10/2008 12:00	455	223	1200	2.74	2.74		1.8095	2.47E-02	9025.2357	3325.5337	12350.7694		
	8/10/2008 13:00	456	223	1300	2.726	2.726		1.8239	2.49E-02	9113.9082	3358.2069	12472.1151		
	8/10/2008 14:00	457	223	1400	2.787	2.787		1.7621	2.39E-02	8735.2179	3218.6707	11953.8886		
	8/10/2008 15:00	458	223	1500	2.976	2.976		1.5867	2.10E-02	7677.3991	2828.8956	10506.2947		
	8/10/2008 16:00	459	223	1600	2.935	2.935		1.6228	2.16E-02	7893.1905	2908.4084	10801.5988		
	8/10/2008 17:00	460	223	1700	3.098	3.098		1.4848	1.94E-02	7075.2344	2607.0156	9682.2501		
	8/10/2008 18:00	461	223	1800	5.08	5.08		0.5154	5.26E-03	1923.1341	708.6183	2631.7524		
	8/10/2008 19:00	462	223	1900	5.927	5.927		0.2988	2.69E-03	983.1152	362.2490	1345.3642		
	8/10/2008 20:00	463	223	2000	5.805	5.805		0.3261	3.00E-03	1094.8107	403.4055	1498.2162		
	8/10/2008 21:00	464	223	2100	5.692	5.692		0.3524	3.30E-03	1204.6072	443.8623	1648.4695		
	8/10/2008 22:00	465	223	2200	5.852	5.852		0.3154	2.88E-03	1050.9614	387.2483	1438.2098		
	8/10/2008 23:00	466	223	2300	5.756	5.756		0.3374	3.12E-03	1141.6508	420.6647	1562.3155		
	8/11/2008 0:00	467	224	0	5.71	5.71	6.23	0.3482	3.25E-03	1186.6938	437.2617	1623.9556		
	8/11/2008 1:00	468	224	100	5.872	5.872		0.3110	2.83E-03	1032.6163	380.4887	1413.1051		
	8/11/2008 2:00	469	224	200	6.09	6.09		0.2640	2.31E-03	844.2701	311.0887	1155.3588		
	8/11/2008 3:00	470	224	300	6.165	6.165		0.2487	2.15E-03	784.1550	288.9380	1073.0931		
	8/11/2008 4:00	471	224	400	6.202	6.202		0.2412	2.07E-03	755.3380	278.3198	1033.6579		
	8/11/2008 5:00	472	224	500	6.168	6.168		0.2481	2.14E-03	781.7981	288.0696	1069.8677		
	8/11/2008 6:00	473	224	600	6.197	6.197		0.2422	2.08E-03	759.2003	279.7430	1038.9433		
	8/11/2008 7:00	474	224	700	6.226	6.226		0.2364	2.02E-03	736.9368	271.5395	1008.4763		
	8/11/2008 8:00	475	224	800	6.141	6.141		0.2535	2.20E-03	803.1416	295.9340	1099.0756		
	8/11/2008 9:00	476	224	900	5.331	5.331		0.4440	4.38E-03	1600.8245	589.8567	2190.6813		
	8/11/2008 10:00	477	224	1000	3.873	3.873		0.9876	1.17E-02	4282.9203	1578.1301	5861.0504		
	8/11/2008 11:00	478	224	1100	3.047	3.047		1.5264	2.00E-02	7319.9770	2697.1961	10017.1731		
	8/11/2008 12:00	479	224	1200	2.995	2.995		1.5703	2.07E-02	7579.7742	2792.9237	10372.6979		
	8/11/2008 13:00	480	224	1300	3.207	3.207		1.4004	1.80E-02	6583.1484	2425.6964	9008.8448		
	8/11/2008 14:00	481	224	1400	3.031	3.031		1.5398	2.02E-02	7398.7850	2726.2345	10125.0196		
	8/11/2008 15:00	482	224	1500	3.007	3.007		1.5600	2.06E-02	7518.8715	2770.4828	10289.3543		
	8/11/2008 16:00	483	224	1600	3.218	3.218		1.3922	1.79E-02	6535.6981	2408.2124	8943.9105		
	8/11/2008 17:00	484	224	1700	3.295	3.295		1.3363	1.70E-02	6214.1506	2289.7316	8503.8822		
	8/11/2008 18:00	485	224	1800	3.515	3.515		1.1900	1.47E-02	5387.9635	1985.3060	7373.2695		
	8/11/2008 19:00	486	224	1900	3.611	3.611		1.1318	1.39E-02	5065.3194	1866.4211	6931.7405		
	8/11/2008 20:00	487	224	2000	4.187	4.187		0.8385	9.58E-03	3501.6277	1290.2467	4791.8745		
	8/11/2008 21:00	488	224	2100	4.911	4.911		0.5675	5.92E-03	2165.4122	797.8907	2963.3029		
	8/11/2008 22:00	489	224	2200	5.558	5.558		0.3850	3.68E-03	1343.2344	494.9423	1838.1767		
	8/11/2008 23:00	490	224	2300	5.826	5.826		0.3213	2.94E-03	1075.0894	396.1388	1471.2283		
	8/12/2008 0:00	491	225	0	5.976	5.976	6.32	0.2882	2.57E-03	940.1617	346.4219	1286.5836		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	6.02	6.02		0.2787	2.47E-03	902.4908	332.5413	1235.0321		
	8/12/2008 2:00	493	225	200	6.101	6.101		0.2618	2.29E-03	835.3084	307.7866	1143.0950		
	8/12/2008 3:00	494	225	300	6.22	6.22		0.2376	2.03E-03	741.5158	273.2268	1014.7426		
	8/12/2008 4:00	495	225	400	6.262	6.262		0.2293	1.94E-03	709.7583	261.5251	971.2834		
	8/12/2008 5:00	496	225	500	6.291	6.291		0.2237	1.88E-03	688.2295	253.5923	941.8218		
	8/12/2008 6:00	497	225	600	6.317	6.317		0.2186	1.83E-03	669.2012	246.5809	915.7821		
	8/12/2008 7:00	498	225	700	6.26	6.26		0.2297	1.95E-03	711.2550	262.0765	973.3316		
	8/12/2008 8:00	499	225	800	6.22	6.22		0.2376	2.03E-03	741.5158	273.2268	1014.7426		
	8/12/2008 9:00	500	225	900	5.519	5.519		0.3948	3.79E-03	1385.3888	510.4750	1895.8638		
	8/12/2008 10:00	501	225	1000	4.346	4.346		0.7713	8.64E-03	3159.1333	1164.0476	4323.1810		
	8/12/2008 11:00	502	225	1100	3.041	3.041		1.5314	2.01E-02	7349.4143	2708.0429	10057.4572		
	8/12/2008 12:00	503	225	1200	2.82	2.82		1.7298	2.34E-02	8538.3934	3146.1467	11684.5401		
	8/12/2008 13:00	504	225	1300	2.75	2.75		1.7993	2.45E-02	8962.5495	3302.4357	12264.9852		
	8/12/2008 14:00	505	225	1400	2.783	2.783		1.7661	2.40E-02	8759.4505	3227.5997	11987.0502		
	8/12/2008 15:00	506	225	1500	2.85	2.85		1.7011	2.29E-02	8364.1289	3081.9353	11446.0642		
	8/12/2008 16:00	507	225	1600	2.915	2.915		1.6408	2.19E-02	8001.0736	2948.1601	10949.2338		
	8/12/2008 17:00	508	225	1700	3.002	3.002		1.5643	2.06E-02	7544.1773	2779.8073	10323.9845		
	8/12/2008 18:00	509	225	1800	3.086	3.086		1.4945	1.95E-02	7131.9536	2627.9150	9759.8686		
	8/12/2008 19:00	510	225	1900	3.326	3.326		1.3145	1.67E-02	6089.7316	2243.8868	8333.6184		
	8/12/2008 20:00	511	225	2000	3.879	3.879		0.9845	1.17E-02	4266.5137	1572.0847	5838.5984		
	8/12/2008 21:00	512	225	2100	5.272	5.272		0.4602	4.58E-03	1672.8462	616.3946	2289.2408		
	8/12/2008 22:00	513	225	2200	6.082	6.082		0.2657	2.33E-03	850.8193	313.5019	1164.3212		
	8/12/2008 23:00	514	225	2300	6.305	6.305		0.2209	1.85E-03	677.9515	249.8052	927.7567		
	8/13/2008 0:00	515	226	0	6.394	6.394	6.44	0.2039	1.68E-03	614.3386	226.3657	840.7042		
	8/13/2008 1:00	516	226	100	6.351	6.351		0.2121	1.76E-03	644.7035	237.5543	882.2578		
	8/13/2008 2:00	517	226	200	6.305	6.305		0.2209	1.85E-03	677.9515	249.8052	927.7567		
	8/13/2008 3:00	518	226	300	6.377	6.377		0.2072	1.71E-03	626.2615	230.7589	857.0204		
	8/13/2008 4:00	519	226	400	6.363	6.363		0.2098	1.74E-03	636.1606	234.4065	870.5671		
	8/13/2008 5:00	520	226	500	6.364	6.364		0.2096	1.74E-03	635.4511	234.1450	869.5962		
	8/13/2008 6:00	521	226	600	6.442	6.442		0.1950	1.59E-03	581.2446	214.1715	795.4161		
	8/13/2008 7:00	522	226	700	6.436	6.436		0.1961	1.60E-03	585.3355	215.6789	801.0145		
	8/13/2008 8:00	523	226	800	6.182	6.182		0.2452	2.11E-03	770.8468	284.0344	1054.8812		
	8/13/2008 9:00	524	226	900	4.946	4.946		0.5564	5.78E-03	2113.4285	778.7362	2892.1648		
	8/13/2008 10:00	525	226	1000	3.44	3.44		1.2378	1.55E-02	5655.3031	2083.8127	7739.1158		
	8/13/2008 11:00	526	226	1100	3.13	3.13		1.4594	1.90E-02	6926.5171	2552.2177	9478.7347		
	8/13/2008 12:00	527	226	1200	2.775	2.775		1.7741	2.41E-02	8808.1632	3245.5489	12053.7121		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.924	4.924	9.40	0.9090	1.06E-02	1810.4596	667.1011	2477.5607		
W606EC1	7/22/2008 14:00	1	204	1400	5.478	5.478		0.7160	7.89E-03	1349.4313	497.2257	1846.6571		
	7/22/2008 15:00	2	204	1500	5.425	5.425		0.7327	8.11E-03	1388.4319	511.5963	1900.0282		
Probe #	7/22/2008 16:00	3	204	1600	5.368	5.368		0.7511	8.37E-03	1431.4732	527.4558	1958.9290		
	7/22/2008 17:00	4	204	1700	5.422	5.422		0.7337	8.13E-03	1390.6686	512.4204	1903.0890		
14	7/22/2008 18:00	5	204	1800	5.47	5.47		0.7185	7.92E-03	1355.2565	499.3721	1854.6286		
	7/22/2008 19:00	6	204	1900	5.594	5.594		0.6804	7.41E-03	1267.3524	466.9821	1734.3344		
	7/22/2008 20:00	7	204	2000	5.959	5.959		0.5774	6.05E-03	1035.6358	381.6013	1417.2371		
	7/22/2008 21:00	8	204	2100	7.395	7.395		0.2711	2.39E-03	408.3444	150.4629	558.8072		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.91	8.91		0.0550	3.35E-04	57.2952	21.1116	78.4069		
	7/22/2008 23:00	10	204	2300	9.4	9.4		0.0000	0.00E+00	0.0000	0.0000	0.0000		
9.7	7/23/2008 0:00	11	205	0	9.77	9.77	9.99	-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.92	9.92		-0.0524	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.95	9.95		-0.0553	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.99	9.99		-0.0591	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.95	9.95		-0.0553	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.81	9.81		-0.0418	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.59	9.59		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.07	9.07		0.0364	2.01E-04	34.4558	12.6960	47.1518		
	7/23/2008 8:00	19	205	800	7.84	7.84		0.1990	1.63E-03	279.0101	102.8070	381.8172		
	7/23/2008 9:00	20	205	900	6.369	6.369		0.4759	4.77E-03	816.2200	300.7531	1116.9731		
	7/23/2008 10:00	21	205	1000	5.673	5.673		0.6570	7.09E-03	1213.9102	447.2902	1661.2003		
	7/23/2008 11:00	22	205	1100	5.61	5.61		0.6756	7.34E-03	1256.3720	462.9361	1719.3081		
	7/23/2008 12:00	23	205	1200	5.497	5.497		0.7100	7.81E-03	1335.6833	492.1600	1827.8433		
	7/23/2008 13:00	24	205	1300	5.461	5.461		0.7213	7.96E-03	1361.8358	501.7964	1863.6323		
	7/23/2008 14:00	25	205	1400	5.454	5.454		0.7235	7.99E-03	1366.9723	503.6890	1870.6613		
	7/23/2008 15:00	26	205	1500	5.428	5.428		0.7318	8.10E-03	1386.1984	510.7733	1896.9717		
	7/23/2008 16:00	27	205	1600	5.552	5.552		0.6931	7.58E-03	1296.5634	477.7454	1774.3088		
	7/23/2008 17:00	28	205	1700	5.906	5.906		0.5916	6.24E-03	1066.9767	393.1495	1460.1262		
	7/23/2008 18:00	29	205	1800	6.531	6.531		0.4393	4.32E-03	739.6274	272.5309	1012.1583		
	7/23/2008 19:00	30	205	1900	6.48	6.48		0.4506	4.46E-03	763.1750	281.2075	1044.3825		
	7/23/2008 20:00	31	205	2000	6.917	6.917		0.3590	3.37E-03	576.8518	212.5529	789.4047		
	7/23/2008 21:00	32	205	2100	7.898	7.898		0.1902	1.54E-03	263.8905	97.2359	361.1264		
	7/23/2008 22:00	33	205	2200	8.59	8.59		0.0943	6.50E-04	111.2721	41.0005	152.2725		
	7/23/2008 23:00	34	205	2300	8.74	8.74		0.0755	4.95E-04	84.6535	31.1923	115.8458		
	7/24/2008 0:00	35	206	0	8.72	8.72	9.92	0.0780	5.15E-04	88.0703	32.4513	120.5216		
	7/24/2008 1:00	36	206	100	8.84	8.84		0.0633	3.99E-04	68.1904	25.1262	93.3166		
	7/24/2008 2:00	37	206	200	8.95	8.95		0.0503	3.00E-04	51.3094	18.9060	70.2154		
	7/24/2008 3:00	38	206	300	9.13	9.13		0.0296	1.56E-04	26.6966	9.8369	36.5335		
	7/24/2008 4:00	39	206	400	9.27	9.27		0.0140	6.23E-05	10.6555	3.9263	14.5818		
	7/24/2008 5:00	40	206	500	9.4	9.4		0.0000	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.48	9.48		-0.0084	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.43	9.43		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.06	9.06		0.0375	2.09E-04	35.7942	13.1891	48.9833		
	7/24/2008 9:00	44	206	900	8.37	8.37		0.1231	9.03E-04	154.4238	56.9006	211.3244		
	7/24/2008 10:00	45	206	1000	8.44	8.44		0.1137	8.19E-04	140.1635	51.6461	191.8097		
	7/24/2008 11:00	46	206	1100	6.271	6.271		0.4990	5.06E-03	865.1857	318.7955	1183.9811		
	7/24/2008 12:00	47	206	1200	5.61	5.61		0.6756	7.34E-03	1256.3720	462.9361	1719.3081		
	7/24/2008 13:00	48	206	1300	5.924	5.924		0.5868	6.17E-03	1056.2500	389.1970	1445.4471		
	7/24/2008 14:00	49	206	1400	5.788	5.788		0.6240	6.66E-03	1139.4664	419.8598	1559.3262		
	7/24/2008 15:00	50	206	1500	5.492	5.492		0.7116	7.83E-03	1339.2894	493.4887	1832.7782		
	7/24/2008 16:00	51	206	1600	5.48	5.48		0.7153	7.88E-03	1347.9784	496.6904	1844.6688		
	7/24/2008 17:00	52	206	1700	5.651	5.651		0.6634	7.18E-03	1228.5995	452.7027	1681.3022		
	7/24/2008 18:00	53	206	1800	5.604	5.604		0.6774	7.37E-03	1260.4802	464.4499	1724.9301		
	7/24/2008 19:00	54	206	1900	5.807	5.807		0.6187	6.59E-03	1127.5344	415.4632	1542.9977		
	7/24/2008 20:00	55	206	2000	6.772	6.772		0.3881	3.71E-03	634.9403	233.9568	868.8972		
	7/24/2008 21:00	56	206	2100	8.33	8.33		0.1285	9.51E-04	162.7961	59.9856	222.7817		
	7/24/2008 22:00	57	206	2200	9.53	9.53		-0.0136	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	9.92	9.92		-0.0524	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	10.08	10.08	10.14	-0.0675	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	10.13	10.13		-0.0721	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	10.13	10.13		-0.0721	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	10.13	10.13		-0.0721	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	10.14	10.14		-0.0730	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	10.14	10.14		-0.0730	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	10.13	10.13		-0.0721	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	10.09	10.09		-0.0684	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	10.05	10.05		-0.0647	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	9.82	9.82		-0.0428	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 11:00	70	207	1100	8.67	8.67		0.0842	5.66E-04	96.7911	35.6647	132.4558		
	7/25/2008 12:00	71	207	1200	6.62	6.62		0.4199	4.09E-03	699.7286	257.8294	957.5580		
	7/25/2008 13:00	72	207	1300	5.992	5.992		0.5688	5.94E-03	1016.4892	374.5463	1391.0355		
	7/25/2008 14:00	73	207	1400	5.637	5.637		0.6676	7.24E-03	1238.0243	456.1755	1694.1998		
	7/25/2008 15:00	74	207	1500	5.576	5.576		0.6858	7.48E-03	1279.8022	471.5694	1751.3717		
	7/25/2008 16:00	75	207	1600	5.646	5.646		0.6649	7.20E-03	1231.9585	453.9405	1685.8990		
	7/25/2008 17:00	76	207	1700	5.536	5.536		0.6980	7.64E-03	1307.8411	481.9010	1789.7421		
	7/25/2008 18:00	77	207	1800	5.555	5.555		0.6922	7.57E-03	1294.4581	476.9697	1771.4278		
	7/25/2008 19:00	78	207	1900	5.582	5.582		0.6840	7.46E-03	1275.6408	470.0361	1745.6769		
	7/25/2008 20:00	79	207	2000	6.369	6.369		0.4759	4.77E-03	816.2200	300.7531	1116.9731		
	7/25/2008 21:00	80	207	2100	7.975	7.975		0.1787	1.43E-03	244.4006	90.0544	334.4550		
	7/25/2008 22:00	81	207	2200	9.47	9.47		-0.0074	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.86	9.86		-0.0467	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.97	9.97	9.98	-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.98	9.98		-0.0581	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.95	9.95		-0.0553	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.9	9.9		-0.0505	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.84	9.84		-0.0447	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.78	9.78		-0.0389	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	9.71	9.71		-0.0319	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	9.66	9.66		-0.0269	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	9.57	9.57		-0.0178	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 9:00	92	208	900	8.03	8.03		0.1706	1.35E-03	230.8792	85.0722	315.9514		
	7/26/2008 10:00	93	208	1000	5.752	5.752		0.6342	6.79E-03	1162.3559	428.2939	1590.6498		
	7/26/2008 11:00	94	208	1100	5.759	5.759		0.6322	6.77E-03	1157.8760	426.6432	1584.5193		
	7/26/2008 12:00	95	208	1200	6.006	6.006		0.5651	5.89E-03	1008.4501	371.5842	1380.0342		
	7/26/2008 13:00	96	208	1300	5.5	5.5		0.7091	7.79E-03	1333.5237	491.3642	1824.8879		
	7/26/2008 14:00	97	208	1400	5.455	5.455		0.7232	7.99E-03	1366.2375	503.4183	1869.6558		
	7/26/2008 15:00	98	208	1500	5.418	5.418		0.7350	8.15E-03	1393.6557	513.5211	1907.1768		
	7/26/2008 16:00	99	208	1600	5.542	5.542		0.6961	7.62E-03	1303.6022	480.3390	1783.9412		
	7/26/2008 17:00	100	208	1700	5.43	5.43		0.7311	8.09E-03	1384.7112	510.2253	1894.9365		
	7/26/2008 18:00	101	208	1800	5.567	5.567		0.6885	7.52E-03	1286.0659	473.8774	1759.9434		
	7/26/2008 19:00	102	208	1900	5.605	5.605		0.6771	7.36E-03	1259.7947	464.1973	1723.9920		
	7/26/2008 20:00	103	208	2000	6.168	6.168		0.5240	5.37E-03	918.9210	338.5954	1257.5164		
	7/26/2008 21:00	104	208	2100	7.865	7.865		0.1952	1.59E-03	272.4463	100.3885	372.8348		
	7/26/2008 22:00	105	208	2200	9.27	9.27		0.0140	6.23E-05	10.6555	3.9263	14.5818		
	7/26/2008 23:00	106	208	2300	9.63	9.63		-0.0239	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	9.73	9.73	9.77	-0.0339	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	9.77	9.77		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	9.73	9.73		-0.0339	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	9.73	9.73		-0.0339	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	9.73	9.73		-0.0339	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	9.72	9.72		-0.0329	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	9.68	9.68		-0.0289	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	9.64	9.64		-0.0249	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 8:00	115	209	800	9.38	9.38		0.0021	6.13E-06	1.0485	0.3863	1.4349		
	7/27/2008 9:00	116	209	900	6.859	6.859		0.3705	3.50E-03	599.6673	220.9597	820.6270		
	7/27/2008 10:00	117	209	1000	5.269	5.269		0.7840	8.82E-03	1509.0485	556.0400	2065.0885		
	7/27/2008 11:00	118	209	1100	5.19	5.19		0.8112	9.20E-03	1573.6455	579.8421	2153.4876		
	7/27/2008 12:00	119	209	1200	5.128	5.128		0.8331	9.50E-03	1626.1018	599.1706	2225.2724		
	7/27/2008 13:00	120	209	1300	5.228	5.228		0.7980	9.01E-03	1542.2664	568.2798	2110.5462		
	7/27/2008 14:00	121	209	1400	5.145	5.145		0.8270	9.42E-03	1611.5606	593.8126	2205.3732		
	7/27/2008 15:00	122	209	1500	5.155	5.155		0.8235	9.37E-03	1603.0631	590.6816	2193.7447		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.239	5.239		0.7942	8.96E-03	1533.2899	564.9722	2098.2621		
	7/27/2008 17:00	124	209	1700	5.299	5.299		0.7739	8.68E-03	1485.1532	547.2352	2032.3885		
	7/27/2008 18:00	125	209	1800	5.332	5.332		0.7629	8.53E-03	1459.2606	537.6946	1996.9551		
	7/27/2008 19:00	126	209	1900	5.409	5.409		0.7378	8.18E-03	1400.3973	516.0052	1916.4025		
	7/27/2008 20:00	127	209	2000	5.879	5.879		0.5989	6.33E-03	1083.2283	399.1377	1482.3660		
	7/27/2008 21:00	128	209	2100	7.157	7.157		0.3134	2.85E-03	488.0717	179.8401	667.9117		
	7/27/2008 22:00	129	209	2200	8.38	8.38		0.1217	8.90E-04	152.3562	56.1388	208.4950		
	7/27/2008 23:00	130	209	2300	8.7	8.7		0.0805	5.35E-04	91.5280	33.7254	125.2534		
	7/28/2008 0:00	131	210	0	8.82	8.82	9.22	0.0658	4.17E-04	71.3994	26.3086	97.7080		
	7/28/2008 1:00	132	210	100	9.03	9.03		0.0410	2.33E-04	39.8833	14.6958	54.5792		
	7/28/2008 2:00	133	210	200	9.1	9.1		0.0330	1.78E-04	30.5171	11.2446	41.7617		
	7/28/2008 3:00	134	210	300	9.22	9.22		0.0195	9.36E-05	16.0119	5.8999	21.9118		
	7/28/2008 4:00	135	210	400	9.12	9.12		0.0307	1.63E-04	27.9566	10.3012	38.2578		
	7/28/2008 5:00	136	210	500	9.18	9.18		0.0240	1.20E-04	20.6087	7.5937	28.2023		
	7/28/2008 6:00	137	210	600	9.17	9.17		0.0251	1.27E-04	21.7970	8.0316	29.8286		
	7/28/2008 7:00	138	210	700	9.01	9.01		0.0433	2.49E-04	42.6698	15.7226	58.3924		
	7/28/2008 8:00	139	210	800	7.088	7.088		0.3262	3.00E-03	512.6973	188.9139	701.6111		
	7/28/2008 9:00	140	210	900	5.411	5.411		0.7372	8.18E-03	1398.8967	515.4523	1914.3490		
	7/28/2008 10:00	141	210	1000	5.081	5.081		0.8500	9.74E-03	1666.9399	614.2183	2281.1581		
	7/28/2008 11:00	142	210	1100	5.066	5.066		0.8555	9.82E-03	1680.1733	619.0944	2299.2677		
	7/28/2008 12:00	143	210	1200	5.103	5.103		0.8421	9.63E-03	1647.7068	607.1315	2254.8383		
	7/28/2008 13:00	144	210	1300	5.103	5.103		0.8421	9.63E-03	1647.7068	607.1315	2254.8383		
	7/28/2008 14:00	145	210	1400	5.119	5.119		0.8363	9.55E-03	1633.8491	602.0253	2235.8744		
	7/28/2008 15:00	146	210	1500	5.091	5.091		0.8464	9.69E-03	1658.1718	610.9875	2269.1593		
	7/28/2008 16:00	147	210	1600	5.153	5.153		0.8242	9.38E-03	1604.7593	591.3066	2196.0658		
	7/28/2008 17:00	148	210	1700	5.213	5.213		0.8032	9.09E-03	1554.5841	572.8185	2127.4026		
	7/28/2008 18:00	149	210	1800	5.266	5.266		0.7850	8.83E-03	1511.4570	556.9274	2068.3844		
	7/28/2008 19:00	150	210	1900	5.409	5.409		0.7378	8.18E-03	1400.3973	516.0052	1916.4025		
	7/28/2008 20:00	151	210	2000	5.989	5.989		0.5695	5.95E-03	1018.2183	375.1835	1393.4018		
	7/28/2008 21:00	152	210	2100	7.498	7.498		0.2537	2.20E-03	376.2158	138.6244	514.8402		
	7/28/2008 22:00	153	210	2200	8.28	8.28		0.1353	1.01E-03	173.4917	63.9266	237.4183		
	7/28/2008 23:00	154	210	2300	8.45	8.45		0.1124	8.08E-04	138.1668	50.9104	189.0773		
	7/29/2008 0:00	155	211	0	8.71	8.71	9.39	0.0792	5.25E-04	89.7940	33.0865	122.8805		
	7/29/2008 1:00	156	211	100	8.91	8.91		0.0550	3.35E-04	57.2952	21.1116	78.4069		
	7/29/2008 2:00	157	211	200	9.08	9.08		0.0352	1.94E-04	33.1301	12.2075	45.3376		
	7/29/2008 3:00	158	211	300	9.12	9.12		0.0307	1.63E-04	27.9566	10.3012	38.2578		
	7/29/2008 4:00	159	211	400	9.2	9.2		0.0217	1.07E-04	18.2781	6.7350	25.0131		
	7/29/2008 5:00	160	211	500	9.18	9.18		0.0240	1.20E-04	20.6087	7.5937	28.2023		
	7/29/2008 6:00	161	211	600	9.11	9.11		0.0318	1.71E-04	29.2302	10.7705	40.0006		
	7/29/2008 7:00	162	211	700	8.96	8.96		0.0491	2.91E-04	49.8409	18.3649	68.2058		
	7/29/2008 8:00	163	211	800	8.09	8.09		0.1619	1.27E-03	216.5025	79.7748	296.2774		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.873	5.873		0.6005	6.35E-03	1086.8663	400.4782	1487.3446		
	7/29/2008 10:00	165	211	1000	5.079	5.079		0.8508	9.75E-03	1668.6987	614.8663	2283.5650		
	7/29/2008 11:00	166	211	1100	5.383	5.383		0.7462	8.30E-03	1420.0342	523.2408	1943.2750		
	7/29/2008 12:00	167	211	1200	4.924	4.924		0.9090	1.06E-02	1810.4596	667.1011	2477.5607		
	7/29/2008 13:00	168	211	1300	4.96	4.96		0.8952	1.04E-02	1776.5489	654.6060	2431.1548		
	7/29/2008 14:00	169	211	1400	4.854	4.854		0.9365	1.10E-02	1878.1907	692.0580	2570.2486		
	7/29/2008 15:00	170	211	1500	5.063	5.063		0.8566	9.84E-03	1682.8317	620.0740	2302.9057		
	7/29/2008 16:00	171	211	1600	5.215	5.215		0.8025	9.08E-03	1552.9366	572.2114	2125.1480		
	7/29/2008 17:00	172	211	1700	5.454	5.454		0.7235	7.99E-03	1366.9723	503.6890	1870.6613		
	7/29/2008 18:00	173	211	1800	5.488	5.488		0.7128	7.84E-03	1342.1804	494.5540	1836.7343		
	7/29/2008 19:00	174	211	1900	5.464	5.464		0.7204	7.95E-03	1359.6397	500.9872	1860.6268		
	7/29/2008 20:00	175	211	2000	6.455	6.455		0.4562	4.53E-03	774.9049	285.5296	1060.4345		
	7/29/2008 21:00	176	211	2100	8.23	8.23		0.1422	1.08E-03	184.4447	67.9625	252.4072		
	7/29/2008 22:00	177	211	2200	9.09	9.09		0.0341	1.86E-04	31.8171	11.7237	43.5408		
	7/29/2008 23:00	178	211	2300	9.39	9.39		0.0011	2.61E-06	0.4461	0.1644	0.6105		
	7/30/2008 0:00	179	212	0	9.44	9.44	9.45	-0.0042	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	9.45	9.45		-0.0053	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 2:00	181	212	200	9.42	9.42		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 3:00	182	212	300	9.37	9.37		0.0032	1.01E-05	1.7295	0.6373	2.3667		
	7/30/2008 4:00	183	212	400	9.27	9.27		0.0140	6.23E-05	10.6555	3.9263	14.5818		
	7/30/2008 5:00	184	212	500	9.15	9.15		0.0273	1.42E-04	24.2182	8.9237	33.1419		
	7/30/2008 6:00	185	212	600	9.05	9.05		0.0387	2.17E-04	37.1450	13.6868	50.8318		
	7/30/2008 7:00	186	212	700	8.96	8.96		0.0491	2.91E-04	49.8409	18.3649	68.2058		
	7/30/2008 8:00	187	212	800	8.86	8.86		0.0609	3.80E-04	65.0238	23.9594	88.9832		
	7/30/2008 9:00	188	212	900	7.357	7.357		0.2777	2.46E-03	420.5507	154.9606	575.5113		
	7/30/2008 10:00	189	212	1000	4.822	4.822		0.9494	1.12E-02	1909.9670	703.7666	2613.7337		
	7/30/2008 11:00	190	212	1100	4.684	4.684		1.0068	1.20E-02	2053.1781	756.5357	2809.7138		
	7/30/2008 12:00	191	212	1200	4.725	4.725		0.9894	1.17E-02	2009.5518	740.4607	2750.0125		
	7/30/2008 13:00	192	212	1300	4.791	4.791		0.9620	1.13E-02	1941.2520	715.2942	2656.5462		
	7/30/2008 14:00	193	212	1400	4.801	4.801		0.9579	1.13E-02	1931.1055	711.5555	2642.6610		
	7/30/2008 15:00	194	212	1500	4.962	4.962		0.8944	1.04E-02	1774.6829	653.9184	2428.6013		
	7/30/2008 16:00	195	212	1600	4.922	4.922		0.9098	1.06E-02	1812.3616	667.8019	2480.1636		
	7/30/2008 17:00	196	212	1700	5.014	5.014		0.8748	1.01E-02	1726.8167	636.2811	2363.0978		
	7/30/2008 18:00	197	212	1800	5.17	5.17		0.8182	9.30E-03	1590.3943	586.0135	2176.4077		
	7/30/2008 19:00	198	212	1900	5.186	5.186		0.8126	9.22E-03	1576.9823	581.0716	2158.0538		
	7/30/2008 20:00	199	212	2000	5.84	5.84		0.6096	6.47E-03	1107.0504	407.9155	1514.9659		
	7/30/2008 21:00	200	212	2100	7.52	7.52		0.2500	2.16E-03	369.5309	136.1613	505.6922		
	7/30/2008 22:00	201	212	2200	8.7	8.7		0.0805	5.35E-04	91.5280	33.7254	125.2534		
	7/30/2008 23:00	202	212	2300	9.14	9.14		0.0284	1.49E-04	25.4504	9.3777	34.8281		
	7/31/2008 0:00	203	213	0	9.37	9.37	9.53	0.0032	1.01E-05	1.7295	0.6373	2.3667		
	7/31/2008 1:00	204	213	100	9.49	9.49		-0.0095	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.52	9.52		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	9.53	9.53		-0.0136	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	9.52	9.52		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	9.47	9.47		-0.0074	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	9.42	9.42		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 7:00	210	213	700	9.37	9.37		0.0032	1.01E-05	1.7295	0.6373	2.3667		
	7/31/2008 8:00	211	213	800	9.23	9.23		0.0184	8.71E-05	14.9041	5.4917	20.3958		
	7/31/2008 9:00	212	213	900	7.287	7.287		0.2900	2.59E-03	443.5478	163.4343	606.9821		
	7/31/2008 10:00	213	213	1000	5.134	5.134		0.8309	9.47E-03	1620.9558	597.2745	2218.2303		
	7/31/2008 11:00	214	213	1100	5.122	5.122		0.8352	9.53E-03	1631.2629	601.0724	2232.3352		
	7/31/2008 12:00	215	213	1200	4.957	4.957		0.8963	1.04E-02	1779.3514	655.6386	2434.9900		
	7/31/2008 13:00	216	213	1300	5.137	5.137		0.8299	9.46E-03	1618.3884	596.3285	2214.7169		
	7/31/2008 14:00	217	213	1400	4.929	4.929		0.9071	1.06E-02	1805.7129	665.3521	2471.0650		
	7/31/2008 15:00	218	213	1500	4.941	4.941		0.9024	1.05E-02	1794.3696	661.1724	2455.5420		
	7/31/2008 16:00	219	213	1600	4.998	4.998		0.8808	1.02E-02	1741.4126	641.6593	2383.0719		
	7/31/2008 17:00	220	213	1700	5.042	5.042		0.8643	9.95E-03	1701.5517	626.9717	2328.5234		
	7/31/2008 18:00	221	213	1800	5.08	5.08		0.8504	9.75E-03	1667.8190	614.5422	2282.3613		
	7/31/2008 19:00	222	213	1900	5.317	5.317		0.7679	8.60E-03	1470.9795	542.0127	2012.9922		
	7/31/2008 20:00	223	213	2000	6.199	6.199		0.5164	5.27E-03	902.4962	332.5433	1235.0395		
	7/31/2008 21:00	224	213	2100	7.2	7.2		0.3056	2.76E-03	473.0779	174.3153	647.3932		
	7/31/2008 22:00	225	213	2200	8.06	8.06		0.1663	1.31E-03	223.6424	82.4057	306.0481		
	7/31/2008 23:00	226	213	2300	7.978	7.978		0.1782	1.42E-03	243.6545	89.7795	333.4341		
	8/1/2008 0:00	227	214	0	8.32	8.32	9.56	0.1298	9.64E-04	164.9147	60.7662	225.6810		
	8/1/2008 1:00	228	214	100	8.96	8.96		0.0491	2.91E-04	49.8409	18.3649	68.2058		
	8/1/2008 2:00	229	214	200	9.3	9.3		0.0108	4.49E-05	7.6839	2.8313	10.5153		
	8/1/2008 3:00	230	214	300	9.37	9.37		0.0032	1.01E-05	1.7295	0.6373	2.3667		
	8/1/2008 4:00	231	214	400	9.49	9.49		-0.0095	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	9.56	9.56		-0.0167	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	9.56	9.56		-0.0167	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	9.55	9.55		-0.0157	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	9.38	9.38		0.0021	6.13E-06	1.0485	0.3863	1.4349		
	8/1/2008 9:00	236	214	900	7.565	7.565		0.2426	2.08E-03	356.0483	131.1933	487.2416		
	8/1/2008 10:00	237	214	1000	5.328	5.328		0.7643	8.55E-03	1462.3774	538.8430	2001.2205		
	8/1/2008 11:00	238	214	1100	5.26	5.26		0.7871	8.86E-03	1516.2843	558.7061	2074.9904		
	8/1/2008 12:00	239	214	1200	5.206	5.206		0.8056	9.12E-03	1560.3630	574.9478	2135.3108		
	8/1/2008 13:00	240	214	1300	5.125	5.125		0.8341	9.52E-03	1628.6804	600.1208	2228.8012		
	8/1/2008 14:00	241	214	1400	5.08	5.08		0.8504	9.75E-03	1667.8190	614.5422	2282.3613		
	8/1/2008 15:00	242	214	1500	5.039	5.039		0.8654	9.96E-03	1704.2419	627.9630	2332.2049		
	8/1/2008 16:00	243	214	1600	5.116	5.116		0.8374	9.56E-03	1636.4392	602.9797	2239.4188		
	8/1/2008 17:00	244	214	1700	5.201	5.201		0.8073	9.14E-03	1564.5027	576.4732	2140.9759		
	8/1/2008 18:00	245	214	1800	5.208	5.208		0.8049	9.11E-03	1558.7099	574.3387	2133.0486		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.318	5.318		0.7676	8.59E-03	1470.1956	541.7238	2011.9195		
	8/1/2008 20:00	247	214	2000	6.195	6.195		0.5174	5.29E-03	904.6032	333.3197	1237.9229		
	8/1/2008 21:00	248	214	2100	8.07	8.07		0.1648	1.29E-03	221.2518	81.5248	302.7765		
	8/1/2008 22:00	249	214	2200	9.08	9.08		0.0352	1.94E-04	33.1301	12.2075	45.3376		
	8/1/2008 23:00	250	214	2300	9.32	9.32		0.0086	3.40E-05	5.8229	2.1456	7.9685		
	8/2/2008 0:00	251	215	0	9.42	9.42	9.68	-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	9.53	9.53		-0.0136	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	9.63	9.63		-0.0239	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.68	9.68		-0.0289	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.59	9.59		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.54	9.54		-0.0147	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.52	9.52		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.33	9.33		0.0075	2.88E-05	4.9338	1.8179	6.7517		
	8/2/2008 8:00	259	215	800	7.75	7.75		0.2129	1.77E-03	303.2348	111.7331	414.9679		
	8/2/2008 9:00	260	215	900	5.704	5.704		0.6480	6.98E-03	1193.4596	439.7547	1633.2144		
	8/2/2008 10:00	261	215	1000	5.568	5.568		0.6882	7.51E-03	1285.3687	473.6205	1758.9892		
	8/2/2008 11:00	262	215	1100	5.437	5.437		0.7289	8.06E-03	1379.5167	508.3113	1887.8280		
	8/2/2008 12:00	263	215	1200	5.309	5.309		0.7706	8.63E-03	1477.2639	544.3283	2021.5922		
	8/2/2008 13:00	264	215	1300	5.272	5.272		0.7830	8.81E-03	1506.6435	555.1538	2061.7973		
	8/2/2008 14:00	265	215	1400	5.253	5.253		0.7895	8.90E-03	1521.9338	560.7878	2082.7216		
	8/2/2008 15:00	266	215	1500	5.236	5.236		0.7953	8.98E-03	1535.7333	565.8725	2101.6059		
	8/2/2008 16:00	267	215	1600	5.254	5.254		0.7891	8.89E-03	1521.1255	560.4900	2081.6155		
	8/2/2008 17:00	268	215	1700	5.268	5.268		0.7844	8.82E-03	1509.8509	556.3356	2066.1866		
	8/2/2008 18:00	269	215	1800	5.358	5.358		0.7544	8.41E-03	1439.1445	530.2824	1969.4268		
	8/2/2008 19:00	270	215	1900	5.449	5.449		0.7251	8.01E-03	1370.6515	505.0447	1875.6962		
	8/2/2008 20:00	271	215	2000	6.151	6.151		0.5282	5.42E-03	928.0222	341.9489	1269.9711		
	8/2/2008 21:00	272	215	2100	7.52	7.52		0.2500	2.16E-03	369.5309	136.1613	505.6922		
	8/2/2008 22:00	273	215	2200	8.7	8.7		0.0805	5.35E-04	91.5280	33.7254	125.2534		
	8/2/2008 23:00	274	215	2300	9.18	9.18		0.0240	1.20E-04	20.6087	7.5937	28.2023		
	8/3/2008 0:00	275	216	0	9.11	9.11	9.65	0.0318	1.71E-04	29.2302	10.7705	40.0006		
	8/3/2008 1:00	276	216	100	8.82	8.82		0.0658	4.17E-04	71.3994	26.3086	97.7080		
	8/3/2008 2:00	277	216	200	9.01	9.01		0.0433	2.49E-04	42.6698	15.7226	58.3924		
	8/3/2008 3:00	278	216	300	9.34	9.34		0.0064	2.38E-05	4.0756	1.5017	5.5774		
	8/3/2008 4:00	279	216	400	9.56	9.56		-0.0167	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	9.65	9.65		-0.0259	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	9.54	9.54		-0.0147	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 7:00	282	216	700	9.32	9.32		0.0086	3.40E-05	5.8229	2.1456	7.9685		
	8/3/2008 8:00	283	216	800	7.909	7.909		0.1885	1.53E-03	261.0658	96.1951	357.2609		
	8/3/2008 9:00	284	216	900	5.735	5.735		0.6391	6.86E-03	1173.2947	432.3245	1605.6192		
	8/3/2008 10:00	285	216	1000	5.402	5.402		0.7401	8.22E-03	1405.6605	517.9445	1923.6051		
	8/3/2008 11:00	286	216	1100	5.273	5.273		0.7827	8.80E-03	1505.8426	554.8587	2060.7013		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.229	5.229		0.7977	9.01E-03	1541.4484	567.9784	2109.4268		
	8/3/2008 13:00	288	216	1300	5.199	5.199		0.8080	9.15E-03	1566.1614	577.0844	2143.2458		
	8/3/2008 14:00	289	216	1400	5.192	5.192		0.8105	9.19E-03	1571.9796	579.2282	2151.2078		
	8/3/2008 15:00	290	216	1500	5.28	5.28		0.7803	8.77E-03	1500.2471	552.7969	2053.0439		
	8/3/2008 16:00	291	216	1600	5.283	5.283		0.7793	8.75E-03	1497.8547	551.9154	2049.7701		
	8/3/2008 17:00	292	216	1700	5.286	5.286		0.7783	8.74E-03	1495.4658	551.0351	2046.5009		
	8/3/2008 18:00	293	216	1800	5.327	5.327		0.7646	8.55E-03	1463.1576	539.1305	2002.2881		
	8/3/2008 19:00	294	216	1900	5.407	5.407		0.7385	8.19E-03	1401.8993	516.5586	1918.4580		
	8/3/2008 20:00	295	216	2000	5.766	5.766		0.6302	6.74E-03	1153.4103	424.9977	1578.4081		
	8/3/2008 21:00	296	216	2100	6.659	6.659		0.4116	3.99E-03	682.7099	251.5585	934.2684		
	8/3/2008 22:00	297	216	2200	7.392	7.392		0.2716	2.39E-03	409.3010	150.8154	560.1164		
	8/3/2008 23:00	298	216	2300	7.532	7.532		0.2480	2.14E-03	365.9106	134.8273	500.7379		
	8/4/2008 0:00	299	217	0	7.569	7.569	8.97	0.2419	2.07E-03	354.8621	130.7562	485.6183		
	8/4/2008 1:00	300	217	100	7.627	7.627		0.2325	1.97E-03	337.8856	124.5009	462.3865		
	8/4/2008 2:00	301	217	200	7.239	7.239		0.2985	2.69E-03	459.7083	169.3890	629.0973		
	8/4/2008 3:00	302	217	300	6.986	6.986		0.3455	3.22E-03	550.4158	202.8120	753.2278		
	8/4/2008 4:00	303	217	400	6.748	6.748		0.3930	3.77E-03	644.8982	237.6260	882.5242		
	8/4/2008 5:00	304	217	500	6.95	6.95		0.3525	3.30E-03	564.1139	207.8594	771.9733		
	8/4/2008 6:00	305	217	600	7.468	7.468		0.2587	2.25E-03	385.4313	142.0201	527.4513		
	8/4/2008 7:00	306	217	700	7.555	7.555		0.2442	2.10E-03	359.0224	132.2892	491.3116		
	8/4/2008 8:00	307	217	800	7.359	7.359		0.2773	2.45E-03	419.9035	154.7221	574.6255		
	8/4/2008 9:00	308	217	900	6.909	6.909		0.3605	3.39E-03	579.9661	213.7004	793.6666		
	8/4/2008 10:00	309	217	1000	6.077	6.077		0.5468	5.66E-03	968.4319	356.8386	1325.2705		
	8/4/2008 11:00	310	217	1100	5.628	5.628		0.6702	7.27E-03	1244.1150	458.4198	1702.5348		
	8/4/2008 12:00	311	217	1200	5.426	5.426		0.7324	8.11E-03	1387.6871	511.3218	1899.0089		
	8/4/2008 13:00	312	217	1300	5.367	5.367		0.7514	8.37E-03	1432.2387	527.7378	1959.9766		
	8/4/2008 14:00	313	217	1400	5.639	5.639		0.6670	7.23E-03	1236.6742	455.6780	1692.3522		
	8/4/2008 15:00	314	217	1500	6.042	6.042		0.5558	5.77E-03	988.0036	364.0503	1352.0539		
	8/4/2008 16:00	315	217	1600	5.5	5.5		0.7091	7.79E-03	1333.5237	491.3642	1824.8879		
	8/4/2008 17:00	316	217	1700	5.468	5.468		0.7191	7.93E-03	1356.7162	499.9100	1856.6262		
	8/4/2008 18:00	317	217	1800	5.529	5.529		0.7001	7.67E-03	1312.8014	483.7287	1796.5301		
	8/4/2008 19:00	318	217	1900	5.685	5.685		0.6535	7.05E-03	1205.9596	444.3606	1650.3202		
	8/4/2008 20:00	319	217	2000	6.354	6.354		0.4794	4.81E-03	823.5824	303.4659	1127.0483		
	8/4/2008 21:00	320	217	2100	7.997	7.997		0.1754	1.40E-03	238.9524	88.0469	326.9993		
	8/4/2008 22:00	321	217	2200	8.75	8.75		0.0743	4.85E-04	82.9604	30.5685	113.5289		
	8/4/2008 23:00	322	217	2300	8.97	8.97		0.0479	2.83E-04	48.3837	17.8280	66.2116		
	8/5/2008 0:00	323	218	0	9.27	9.27	9.76	0.0140	6.23E-05	10.6555	3.9263	14.5818		
	8/5/2008 1:00	324	218	100	9.46	9.46		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 2:00	325	218	200	9.61	9.61		-0.0219	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	9.58	9.58		-0.0188	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 4:00	327	218	400	9.41	9.41		-0.0011	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.38	9.38		0.0021	6.13E-06	1.0485	0.3863	1.4349		
	8/5/2008 6:00	329	218	600	9.49	9.49		-0.0095	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 7:00	330	218	700	9.59	9.59		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	9.44	9.44		-0.0042	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 9:00	332	218	900	7.691	7.691		0.2222	1.87E-03	319.6298	117.7742	437.4040		
	8/5/2008 10:00	333	218	1000	6.035	6.035		0.5576	5.80E-03	991.9541	365.5059	1357.4599		
	8/5/2008 11:00	334	218	1100	6.225	6.225		0.5100	5.20E-03	888.8892	327.5295	1216.4188		
	8/5/2008 12:00	335	218	1200	5.937	5.937		0.5833	6.13E-03	1048.5560	386.3620	1434.9181		
	8/5/2008 13:00	336	218	1300	5.564	5.564		0.6894	7.53E-03	1288.1596	474.6489	1762.8085		
	8/5/2008 14:00	337	218	1400	6.019	6.019		0.5617	5.85E-03	1001.0293	368.8498	1369.8792		
	8/5/2008 15:00	338	218	1500	6.441	6.441		0.4594	4.57E-03	781.5281	287.9701	1069.4982		
	8/5/2008 16:00	339	218	1600	6.339	6.339		0.4829	4.86E-03	830.9921	306.1961	1137.1882		
	8/5/2008 17:00	340	218	1700	5.855	5.855		0.6055	6.42E-03	1097.8390	404.5213	1502.3603		
	8/5/2008 18:00	341	218	1800	5.626	5.626		0.6708	7.28E-03	1245.4719	458.9197	1704.3916		
	8/5/2008 19:00	342	218	1900	5.739	5.739		0.6379	6.84E-03	1170.7133	431.3734	1602.0867		
	8/5/2008 20:00	343	218	2000	6.665	6.665		0.4104	3.98E-03	680.1163	250.6028	930.7191		
	8/5/2008 21:00	344	218	2100	8.62	8.62		0.0905	6.18E-04	105.7659	38.9716	144.7375		
	8/5/2008 22:00	345	218	2200	9.49	9.49		-0.0095	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	9.76	9.76		-0.0369	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.91	9.91	9.98	-0.0515	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.94	9.94		-0.0543	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.98	9.98		-0.0581	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	9.93	9.93		-0.0534	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	9.92	9.92		-0.0524	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	9.88	9.88		-0.0486	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	9.86	9.86		-0.0467	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	9.82	9.82		-0.0428	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 9:00	356	219	900	9.4	9.4		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 10:00	357	219	1000	6.492	6.492		0.4479	4.43E-03	757.5886	279.1491	1036.7377		
	8/6/2008 11:00	358	219	1100	5.545	5.545		0.6952	7.61E-03	1301.4871	479.5597	1781.0468		
	8/6/2008 12:00	359	219	1200	6.006	6.006		0.5651	5.89E-03	1008.4501	371.5842	1380.0342		
	8/6/2008 13:00	360	219	1300	6.448	6.448		0.4578	4.55E-03	778.2116	286.7481	1064.9596		
	8/6/2008 14:00	361	219	1400	5.953	5.953		0.5790	6.07E-03	1039.1471	382.8951	1422.0422		
	8/6/2008 15:00	362	219	1500	5.638	5.638		0.6673	7.23E-03	1237.3491	455.9267	1693.2758		
	8/6/2008 16:00	363	219	1600	5.696	5.696		0.6503	7.01E-03	1198.7096	441.6892	1640.3988		
	8/6/2008 17:00	364	219	1700	5.62	5.62		0.6726	7.30E-03	1249.5501	460.4224	1709.9725		
	8/6/2008 18:00	365	219	1800	6.012	6.012		0.5635	5.87E-03	1005.0199	370.3202	1375.3401		
	8/6/2008 19:00	366	219	1900	6.054	6.054		0.5527	5.74E-03	981.2595	361.5652	1342.8248		
	8/6/2008 20:00	367	219	2000	6.419	6.419		0.4644	4.63E-03	792.0159	291.8346	1083.8505		
	8/6/2008 21:00	368	219	2100	8.06	8.06		0.1663	1.31E-03	223.6424	82.4057	306.0481		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	9.36	9.36		0.0043	1.44E-05	2.4676	0.9093	3.3769		
	8/6/2008 23:00	370	219	2300	9.7	9.7		-0.0309	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 0:00	371	220	0	9.87	9.87	9.97	-0.0476	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	9.92	9.92		-0.0524	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	9.9	9.9		-0.0505	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	9.87	9.87		-0.0476	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	9.83	9.83		-0.0437	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 7:00	378	220	700	9.81	9.81		-0.0418	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 8:00	379	220	800	9.77	9.77		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 9:00	380	220	900	8.75	8.75		0.0743	4.85E-04	82.9604	30.5685	113.5289		
	8/7/2008 10:00	381	220	1000	6.042	6.042		0.5558	5.77E-03	988.0036	364.0503	1352.0539		
	8/7/2008 11:00	382	220	1100	5.506	5.506		0.7072	7.77E-03	1329.2134	489.7760	1818.9894		
	8/7/2008 12:00	383	220	1200	5.477	5.477		0.7163	7.89E-03	1350.1583	497.4936	1847.6519		
	8/7/2008 13:00	384	220	1300	5.467	5.467		0.7194	7.93E-03	1357.4465	500.1791	1857.6256		
	8/7/2008 14:00	385	220	1400	5.456	5.456		0.7229	7.98E-03	1365.5030	503.1477	1868.6507		
	8/7/2008 15:00	386	220	1500	5.517	5.517		0.7038	7.72E-03	1321.3423	486.8758	1808.2181		
	8/7/2008 16:00	387	220	1600	5.488	5.488		0.7128	7.84E-03	1342.1804	494.5540	1836.7343		
	8/7/2008 17:00	388	220	1700	5.507	5.507		0.7069	7.76E-03	1328.4962	489.5117	1818.0079		
	8/7/2008 18:00	389	220	1800	5.533	5.533		0.6989	7.66E-03	1309.9650	482.6835	1792.6485		
	8/7/2008 19:00	390	220	1900	5.739	5.739		0.6379	6.84E-03	1170.7133	431.3734	1602.0867		
	8/7/2008 20:00	391	220	2000	6.282	6.282		0.4963	5.02E-03	859.5865	316.7323	1176.3189		
	8/7/2008 21:00	392	220	2100	7.893	7.893		0.1909	1.55E-03	265.1790	97.7106	362.8896		
	8/7/2008 22:00	393	220	2200	8.89	8.89		0.0574	3.53E-04	60.3542	22.2387	82.5929		
	8/7/2008 23:00	394	220	2300	9.38	9.38		0.0021	6.13E-06	1.0485	0.3863	1.4349		
	8/8/2008 0:00	395	221	0	9.66	9.66	10.03	-0.0269	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 1:00	396	221	100	9.69	9.69		-0.0299	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 2:00	397	221	200	9.91	9.91		-0.0515	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	10.03	10.03		-0.0628	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	10.01	10.01		-0.0609	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	9.96	9.96		-0.0562	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	9.93	9.93		-0.0534	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	9.9	9.9		-0.0505	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 8:00	403	221	800	9.72	9.72		-0.0329	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 9:00	404	221	900	7.446	7.446		0.2624	2.29E-03	392.2632	144.5374	536.8006		
	8/8/2008 10:00	405	221	1000	5.709	5.709		0.6465	6.96E-03	1190.1880	438.5493	1628.7373		
	8/8/2008 11:00	406	221	1100	5.675	5.675		0.6564	7.09E-03	1212.5820	446.8008	1659.3828		
	8/8/2008 12:00	407	221	1200	5.534	5.534		0.6986	7.65E-03	1309.2567	482.4226	1791.6793		
	8/8/2008 13:00	408	221	1300	5.473	5.473		0.7175	7.91E-03	1353.0695	498.5663	1851.6358		
	8/8/2008 14:00	409	221	1400	5.425	5.425		0.7327	8.11E-03	1388.4319	511.5963	1900.0282		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.46	5.46		0.7216	7.96E-03	1362.5686	502.0664	1864.6350		
	8/8/2008 16:00	411	221	1600	5.419	5.419		0.7346	8.14E-03	1392.9084	513.2458	1906.1542		
	8/8/2008 17:00	412	221	1700	5.523	5.523		0.7020	7.70E-03	1317.0659	485.3000	1802.3660		
	8/8/2008 18:00	413	221	1800	5.692	5.692		0.6514	7.02E-03	1201.3418	442.6591	1644.0009		
	8/8/2008 19:00	414	221	1900	5.658	5.658		0.6614	7.15E-03	1223.9096	450.9747	1674.8843		
	8/8/2008 20:00	415	221	2000	6.389	6.389		0.4713	4.71E-03	806.4765	297.1629	1103.6394		
	8/8/2008 21:00	416	221	2100	7.793	7.793		0.2062	1.70E-03	291.5438	107.4253	398.9691		
	8/8/2008 22:00	417	221	2200	8.59	8.59		0.0943	6.50E-04	111.2721	41.0005	152.2725		
	8/8/2008 23:00	418	221	2300	8.84	8.84		0.0633	3.99E-04	68.1904	25.1262	93.3166		
	8/9/2008 0:00	419	222	0	8.95	8.95	9.82	0.0503	3.00E-04	51.3094	18.9060	70.2154		
	8/9/2008 1:00	420	222	100	8.95	8.95		0.0503	3.00E-04	51.3094	18.9060	70.2154		
	8/9/2008 2:00	421	222	200	9.01	9.01		0.0433	2.49E-04	42.6698	15.7226	58.3924		
	8/9/2008 3:00	422	222	300	9.03	9.03		0.0410	2.33E-04	39.8833	14.6958	54.5792		
	8/9/2008 4:00	423	222	400	9.02	9.02		0.0421	2.41E-04	41.2706	15.2070	56.4776		
	8/9/2008 5:00	424	222	500	8.86	8.86		0.0609	3.80E-04	65.0238	23.9594	88.9832		
	8/9/2008 6:00	425	222	600	8.84	8.84		0.0633	3.99E-04	68.1904	25.1262	93.3166		
	8/9/2008 7:00	426	222	700	8.43	8.43		0.1151	8.31E-04	142.1703	52.3856	194.5559		
	8/9/2008 8:00	427	222	800	7.57	7.57		0.2417	2.07E-03	354.5659	130.6471	485.2130		
	8/9/2008 9:00	428	222	900	8.19	8.19		0.1477	1.13E-03	193.3940	71.2600	264.6540		
	8/9/2008 10:00	429	222	1000	7.997	7.997		0.1754	1.40E-03	238.9524	88.0469	326.9993		
	8/9/2008 11:00	430	222	1100	7.112	7.112		0.3217	2.95E-03	504.0518	185.7283	689.7801		
	8/9/2008 12:00	431	222	1200	6.242	6.242		0.5059	5.14E-03	880.0745	324.2816	1204.3561		
	8/9/2008 13:00	432	222	1300	6.085	6.085		0.5448	5.63E-03	964.0002	355.2057	1319.2059		
	8/9/2008 14:00	433	222	1400	5.7	5.7		0.6491	6.99E-03	1196.0822	440.7211	1636.8033		
	8/9/2008 15:00	434	222	1500	5.619	5.619		0.6729	7.31E-03	1250.2309	460.6733	1710.9041		
	8/9/2008 16:00	435	222	1600	5.642	5.642		0.6661	7.22E-03	1234.6513	454.9327	1689.5840		
	8/9/2008 17:00	436	222	1700	5.729	5.729		0.6408	6.88E-03	1177.1755	433.7545	1610.9300		
	8/9/2008 18:00	437	222	1800	5.75	5.75		0.6348	6.80E-03	1163.6385	428.7665	1592.4050		
	8/9/2008 19:00	438	222	1900	5.886	5.886		0.5970	6.31E-03	1078.9961	397.5783	1476.5745		
	8/9/2008 20:00	439	222	2000	6.569	6.569		0.4310	4.22E-03	722.4088	266.1864	988.5952		
	8/9/2008 21:00	440	222	2100	8.51	8.51		0.1046	7.39E-04	126.3987	46.5742	172.9728		
	8/9/2008 22:00	441	222	2200	9.59	9.59		-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	8/9/2008 23:00	442	222	2300	9.82	9.82		-0.0428	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	9.91	9.91	9.97	-0.0515	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	9.96	9.96		-0.0562	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 4:00	447	223	400	9.93	9.93		-0.0534	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 5:00	448	223	500	9.91	9.91		-0.0515	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 6:00	449	223	600	9.88	9.88		-0.0486	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 7:00	450	223	700	9.86	9.86		-0.0467	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	9.82	9.82		-0.0428	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 9:00	452	223	900	8.64	8.64		0.0880	5.97E-04	102.1456	37.6377	139.7833		
	8/10/2008 10:00	453	223	1000	6.034	6.034		0.5578	5.80E-03	992.5194	365.7142	1358.2336		
	8/10/2008 11:00	454	223	1100	5.564	5.564		0.6894	7.53E-03	1288.1596	474.6489	1762.8085		
	8/10/2008 12:00	455	223	1200	5.588	5.588		0.6822	7.43E-03	1271.4909	468.5070	1739.9979		
	8/10/2008 13:00	456	223	1300	5.576	5.576		0.6858	7.48E-03	1279.8022	471.5694	1751.3717		
	8/10/2008 14:00	457	223	1400	5.542	5.542		0.6961	7.62E-03	1303.6022	480.3390	1783.9412		
	8/10/2008 15:00	458	223	1500	5.699	5.699		0.6494	6.99E-03	1196.7386	440.9630	1637.7016		
	8/10/2008 16:00	459	223	1600	5.587	5.587		0.6825	7.44E-03	1272.1817	468.7615	1740.9433		
	8/10/2008 17:00	460	223	1700	5.739	5.739		0.6379	6.84E-03	1170.7133	431.3734	1602.0867		
	8/10/2008 18:00	461	223	1800	8.42	8.42		0.1164	8.43E-04	144.1872	53.1287	197.3160		
	8/10/2008 19:00	462	223	1900	9.38	9.38		0.0021	6.13E-06	1.0485	0.3863	1.4349		
	8/10/2008 20:00	463	223	2000	9.12	9.12		0.0307	1.63E-04	27.9566	10.3012	38.2578		
	8/10/2008 21:00	464	223	2100	9.04	9.04		0.0398	2.25E-04	38.5081	14.1891	52.6972		
	8/10/2008 22:00	465	223	2200	9.23	9.23		0.0184	8.71E-05	14.9041	5.4917	20.3958		
	8/10/2008 23:00	466	223	2300	9.17	9.17		0.0251	1.27E-04	21.7970	8.0316	29.8286		
	8/11/2008 0:00	467	224	0	9.13	9.13	10.32	0.0296	1.56E-04	26.6966	9.8369	36.5335		
	8/11/2008 1:00	468	224	100	9.32	9.32		0.0086	3.40E-05	5.8229	2.1456	7.9685		
	8/11/2008 2:00	469	224	200	9.6	9.6		-0.0208	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 3:00	470	224	300	9.74	9.74		-0.0349	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 4:00	471	224	400	9.92	9.92		-0.0524	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 5:00	472	224	500	9.86	9.86		-0.0467	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 6:00	473	224	600	9.97	9.97		-0.0572	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 7:00	474	224	700	10.12	10.12		-0.0711	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 8:00	475	224	800	10.23	10.23		-0.0811	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 9:00	476	224	900	9.43	9.43		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 10:00	477	224	1000	7.052	7.052		0.3330	3.07E-03	525.8278	193.7521	719.5799		
	8/11/2008 11:00	478	224	1100	6.627	6.627		0.4184	4.07E-03	696.6534	256.6963	953.3497		
	8/11/2008 12:00	479	224	1200	7.299	7.299		0.2878	2.57E-03	439.5577	161.9641	601.5218		
	8/11/2008 13:00	480	224	1300	7.608	7.608		0.2355	2.01E-03	343.4012	126.5332	469.9344		
	8/11/2008 14:00	481	224	1400	6.974	6.974		0.3479	3.24E-03	554.9591	204.4861	759.4452		
	8/11/2008 15:00	482	224	1500	7.113	7.113		0.3215	2.94E-03	503.6935	185.5962	689.2897		
	8/11/2008 16:00	483	224	1600	7.232	7.232		0.2998	2.70E-03	462.0921	170.2673	632.3594		
	8/11/2008 17:00	484	224	1700	7.717	7.717		0.2181	1.83E-03	312.3540	115.0933	427.4473		
	8/11/2008 18:00	485	224	1800	8.03	8.03		0.1706	1.35E-03	230.8792	85.0722	315.9514		
	8/11/2008 19:00	486	224	1900	8.25	8.25		0.1394	1.05E-03	180.0325	66.3367	246.3692		
	8/11/2008 20:00	487	224	2000	8.78	8.78		0.0706	4.56E-04	77.9434	28.7198	106.6632		
	8/11/2008 21:00	488	224	2100	9.34	9.34		0.0064	2.38E-05	4.0756	1.5017	5.5774		
	8/11/2008 22:00	489	224	2200	10.01	10.01		-0.0609	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 23:00	490	224	2300	10.32	10.32		-0.0891	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 0:00	491	225	0	10.6	10.6	11.34	-0.1132	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	10.63	10.63		-0.1157	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 2:00	493	225	200	10.4	10.4		-0.0962	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 3:00	494	225	300	10.77	10.77		-0.1272	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 4:00	495	225	400	11.09	11.09		-0.1524	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 5:00	496	225	500	11.21	11.21		-0.1615	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 6:00	497	225	600	11.21	11.21		-0.1615	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 7:00	498	225	700	11.17	11.17		-0.1585	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 8:00	499	225	800	11.34	11.34		-0.1711	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 9:00	500	225	900	10.64	10.64		-0.1165	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 10:00	501	225	1000	8.5	8.5		0.1059	7.50E-04	128.3348	47.2876	175.6224		
	8/12/2008 11:00	502	225	1100	7.91	7.91		0.1884	1.52E-03	260.8097	96.1007	356.9104		
	8/12/2008 12:00	503	225	1200	8.14	8.14		0.1548	1.20E-03	204.8161	75.4687	280.2849		
	8/12/2008 13:00	504	225	1300	7.669	7.669		0.2257	1.90E-03	325.8494	120.0659	445.9154		
	8/12/2008 14:00	505	225	1400	7.077	7.077		0.3282	3.02E-03	516.6886	190.3845	707.0731		
	8/12/2008 15:00	506	225	1500	6.987	6.987		0.3454	3.21E-03	550.0382	202.6729	752.7110		
	8/12/2008 16:00	507	225	1600	6.895	6.895		0.3633	3.42E-03	585.4412	215.7179	801.1591		
	8/12/2008 17:00	508	225	1700	6.958	6.958		0.3510	3.28E-03	561.0522	206.7312	767.7834		
	8/12/2008 18:00	509	225	1800	6.82	6.82		0.3783	3.60E-03	615.3213	226.7278	842.0491		
	8/12/2008 19:00	510	225	1900	6.975	6.975		0.3477	3.24E-03	554.5796	204.3463	758.9259		
	8/12/2008 20:00	511	225	2000	7.519	7.519		0.2502	2.16E-03	369.8335	136.2727	506.1062		
	8/12/2008 21:00	512	225	2100	9.38	9.38		0.0021	6.13E-06	1.0485	0.3863	1.4349		
	8/12/2008 22:00	513	225	2200	10.35	10.35		-0.0918	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 23:00	514	225	2300	10.66	10.66		-0.1182	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 0:00	515	226	0	10.74	10.74	11.04	-0.1248	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 1:00	516	226	100	10.68	10.68		-0.1199	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 2:00	517	226	200	10.79	10.79		-0.1288	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 3:00	518	226	300	11.04	11.04		-0.1486	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 4:00	519	226	400	10.97	10.97		-0.1431	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 5:00	520	226	500	10.87	10.87		-0.1352	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 6:00	521	226	600	10.82	10.82		-0.1312	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 7:00	522	226	700	10.71	10.71		-0.1223	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 8:00	523	226	800	10.6	10.6		-0.1132	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 9:00	524	226	900	8.8	8.8		0.0682	4.36E-04	74.6505	27.5065	102.1570		
	8/13/2008 10:00	525	226	1000	7.328	7.328		0.2828	2.51E-03	429.9969	158.4412	588.4381		
	8/13/2008 11:00	526	226	1100	7.555	7.555		0.2442	2.10E-03	359.0224	132.2892	491.3116		
	8/13/2008 12:00	527	226	1200	7.299	7.299		0.2878	2.57E-03	439.5577	161.9641	601.5218		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.864	4.864	9.09	0.8688	1.00E-02	1601.3983	590.0681	2191.4664		
W706EC2	7/22/2008 14:00	1	204	1400	5.326	5.326		0.7067	7.76E-03	1241.9213	457.6114	1699.5327		
	7/22/2008 15:00	2	204	1500	5.289	5.289		0.7187	7.92E-03	1267.7997	467.1469	1734.9466		
Probe #	7/22/2008 16:00	3	204	1600	5.22	5.22		0.7414	8.23E-03	1317.3132	485.3911	1802.7043		
	7/22/2008 17:00	4	204	1700	5.253	5.253		0.7304	8.08E-03	1293.4261	476.5894	1770.0156		
15	7/22/2008 18:00	5	204	1800	5.434	5.434		0.6728	7.31E-03	1168.9544	430.7253	1599.6797		
	7/22/2008 19:00	6	204	1900	5.435	5.435		0.6725	7.30E-03	1168.2962	430.4827	1598.7789		
	7/22/2008 20:00	7	204	2000	5.769	5.769		0.5757	6.03E-03	964.7981	355.4997	1320.2978		
	7/22/2008 21:00	8	204	2100	7.244	7.244		0.2548	2.21E-03	353.8075	130.3676	484.1751		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.67	8.67		0.0484	2.86E-04	45.8340	16.8885	62.7225		
	7/22/2008 23:00	10	204	2300	9.09	9.09		0.0000	0.00E+00	0.0000	0.0000	0.0000		
9.4	7/23/2008 0:00	11	205	0	9.41	9.41	9.60	-0.0340	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.54	9.54		-0.0472	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.57	9.57		-0.0502	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.6	9.6		-0.0531	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.57	9.57		-0.0502	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.45	9.45		-0.0381	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.26	9.26		-0.0184	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	8.81	8.81		0.0318	1.71E-04	27.2807	10.0521	37.3328		
	7/23/2008 8:00	19	205	800	7.72	7.72		0.1775	1.42E-03	226.6289	83.5061	310.1350		
	7/23/2008 9:00	20	205	900	6.388	6.388		0.4230	4.13E-03	660.1911	243.2610	903.4521		
	7/23/2008 10:00	21	205	1000	5.567	5.567		0.6328	6.78E-03	1084.0741	399.4494	1483.5235		
	7/23/2008 11:00	22	205	1100	5.496	5.496		0.6539	7.05E-03	1128.7254	415.9021	1544.6276		
	7/23/2008 12:00	23	205	1200	5.402	5.402		0.6827	7.44E-03	1190.1841	438.5478	1628.7319		
	7/23/2008 13:00	24	205	1300	5.351	5.351		0.6987	7.65E-03	1224.6945	451.2639	1675.9584		
	7/23/2008 14:00	25	205	1400	5.339	5.339		0.7026	7.71E-03	1232.9376	454.3012	1687.2388		
	7/23/2008 15:00	26	205	1500	5.329	5.329		0.7058	7.75E-03	1239.8432	456.8457	1696.6889		
	7/23/2008 16:00	27	205	1600	5.45	5.45		0.6679	7.24E-03	1158.4597	426.8583	1585.3180		
	7/23/2008 17:00	28	205	1700	5.825	5.825		0.5605	5.84E-03	933.6415	344.0194	1277.6609		
	7/23/2008 18:00	29	205	1800	6.479	6.479		0.4030	3.89E-03	622.0025	229.1896	851.1922		
	7/23/2008 19:00	30	205	1900	6.4	6.4		0.4203	4.09E-03	655.0685	241.3735	896.4420		
	7/23/2008 20:00	31	205	2000	6.818	6.818		0.3332	3.08E-03	492.2391	181.3756	673.6147		
	7/23/2008 21:00	32	205	2100	7.745	7.745		0.1737	1.38E-03	220.6688	81.3100	301.9788		
	7/23/2008 22:00	33	205	2200	8.38	8.38		0.0847	5.70E-04	91.2126	33.6092	124.8218		
	7/23/2008 23:00	34	205	2300	8.47	8.47		0.0732	4.76E-04	76.1867	28.0725	104.2592		
	7/24/2008 0:00	35	206	0	8.44	8.44	9.52	0.0770	5.07E-04	81.1032	29.8841	110.9873		
	7/24/2008 1:00	36	206	100	8.55	8.55		0.0632	3.97E-04	63.5325	23.4098	86.9423		
	7/24/2008 2:00	37	206	200	8.67	8.67		0.0484	2.86E-04	45.8340	16.8885	62.7225		
	7/24/2008 3:00	38	206	300	8.83	8.83		0.0294	1.55E-04	24.8327	9.1501	33.9828		
	7/24/2008 4:00	39	206	400	8.97	8.97		0.0134	5.88E-05	9.4027	3.4646	12.8674		
	7/24/2008 5:00	40	206	500	9.1	9.1		-0.0011	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.17	9.17		-0.0087	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.14	9.14		-0.0055	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	8.78	8.78		0.0353	1.94E-04	31.0523	11.4419	42.4942		
	7/24/2008 9:00	44	206	900	8.18	8.18		0.1112	7.97E-04	127.5410	46.9951	174.5361		
	7/24/2008 10:00	45	206	1000	8.26	8.26		0.1005	7.03E-04	112.5258	41.4624	153.9882		
	7/24/2008 11:00	46	206	1100	6.171	6.171		0.4730	4.74E-03	757.6083	279.1564	1036.7647		
	7/24/2008 12:00	47	206	1200	5.438	5.438		0.6716	7.29E-03	1166.3233	429.7558	1596.0791		
	7/24/2008 13:00	48	206	1300	5.765	5.765		0.5768	6.04E-03	967.0542	356.3310	1323.3851		
	7/24/2008 14:00	49	206	1400	5.645	5.645		0.6103	6.48E-03	1036.6946	381.9915	1418.6861		
	7/24/2008 15:00	50	206	1500	5.354	5.354		0.6978	7.64E-03	1222.6412	450.5073	1673.1484		
	7/24/2008 16:00	51	206	1600	5.343	5.343		0.7013	7.69E-03	1230.1846	453.2868	1683.4715		
	7/24/2008 17:00	52	206	1700	5.482	5.482		0.6582	7.11E-03	1137.7069	419.2115	1556.9184		
	7/24/2008 18:00	53	206	1800	5.491	5.491		0.6554	7.07E-03	1131.9263	417.0815	1549.0078		
	7/24/2008 19:00	54	206	1900	5.738	5.738		0.5842	6.14E-03	982.3907	361.9821	1344.3727		
	7/24/2008 20:00	55	206	2000	6.633	6.633		0.3704	3.50E-03	560.7031	206.6026	767.3057		
	7/24/2008 21:00	56	206	2100	8.1	8.1		0.1222	8.95E-04	143.2027	52.7660	195.9686		
	7/24/2008 22:00	57	206	2200	9.2	9.2		-0.0120	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	9.52	9.52		-0.0452	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.63	9.63	9.70	-0.0561	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.66	9.66		-0.0590	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.66	9.66		-0.0590	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.67	9.67		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.7	9.7		-0.0629	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9.7	9.7		-0.0629	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.69	9.69		-0.0619	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.67	9.67		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.64	9.64		-0.0571	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.57	9.57		-0.0502	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	9.43	9.43		-0.0361	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 11:00	70	207	1100	8.23	8.23		0.1045	7.38E-04	118.0809	43.5093	161.5902		
	7/25/2008 12:00	71	207	1200	6.45	6.45		0.4093	3.96E-03	634.0093	233.6138	867.6231		
	7/25/2008 13:00	72	207	1300	5.896	5.896		0.5417	5.60E-03	895.2601	329.8770	1225.1372		
	7/25/2008 14:00	73	207	1400	5.475	5.475		0.6603	7.14E-03	1142.2198	420.8744	1563.0942		
	7/25/2008 15:00	74	207	1500	5.418	5.418		0.6777	7.37E-03	1179.5290	434.6217	1614.1507		
	7/25/2008 16:00	75	207	1600	5.496	5.496		0.6539	7.05E-03	1128.7254	415.9021	1544.6276		
	7/25/2008 17:00	76	207	1700	5.332	5.332		0.7048	7.74E-03	1237.7680	456.0811	1693.8491		
	7/25/2008 18:00	77	207	1800	5.401	5.401		0.6830	7.44E-03	1190.8528	438.7942	1629.6470		
	7/25/2008 19:00	78	207	1900	5.411	5.411		0.6799	7.40E-03	1184.1806	436.3357	1620.5163		
	7/25/2008 20:00	79	207	2000	6.161	6.161		0.4754	4.76E-03	762.3250	280.8943	1043.2193		
	7/25/2008 21:00	80	207	2100	7.719	7.719		0.1776	1.42E-03	226.8688	83.5945	310.4632		
	7/25/2008 22:00	81	207	2200	9.11	9.11		-0.0022	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.41	9.41		-0.0340	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.49	9.49	9.49	-0.0421	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.49	9.49		-0.0421	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.46	9.46		-0.0391	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.4	9.4		-0.0330	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.34	9.34		-0.0268	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.25	9.25		-0.0173	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	9.17	9.17		-0.0087	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	9.08	9.08		0.0011	2.72E-06	0.4348	0.1602	0.5950		
	7/26/2008 8:00	91	208	800	8.96	8.96		0.0145	6.49E-05	10.3906	3.8286	14.2193		
	7/26/2008 9:00	92	208	900	7.292	7.292		0.2466	2.12E-03	339.7435	125.1855	464.9289		
	7/26/2008 10:00	93	208	1000	5.441	5.441		0.6706	7.28E-03	1164.3532	429.0299	1593.3831		
	7/26/2008 11:00	94	208	1100	5.58	5.58		0.6290	6.73E-03	1076.0578	396.4956	1472.5534		
	7/26/2008 12:00	95	208	1200	5.891	5.891		0.5430	5.61E-03	897.9229	330.8582	1228.7811		
	7/26/2008 13:00	96	208	1300	5.3	5.3		0.7151	7.88E-03	1260.0579	464.2942	1724.3521		
	7/26/2008 14:00	97	208	1400	5.26	5.26		0.7281	8.05E-03	1288.4082	474.7405	1763.1486		
	7/26/2008 15:00	98	208	1500	5.207	5.207		0.7457	8.29E-03	1326.8291	488.8975	1815.7265		
	7/26/2008 16:00	99	208	1600	5.254	5.254		0.7301	8.08E-03	1292.7082	476.3249	1769.0331		
	7/26/2008 17:00	100	208	1700	5.13	5.13		0.7719	8.65E-03	1384.4508	510.1294	1894.5802		
	7/26/2008 18:00	101	208	1800	5.357	5.357		0.6968	7.63E-03	1220.5907	449.7518	1670.3425		
	7/26/2008 19:00	102	208	1900	5.391	5.391		0.6861	7.48E-03	1197.5567	441.2644	1638.8211		
	7/26/2008 20:00	103	208	2000	5.897	5.897		0.5415	5.59E-03	894.7283	329.6810	1224.4094		
	7/26/2008 21:00	104	208	2100	7.539	7.539		0.2057	1.70E-03	271.8561	100.1710	372.0271		
	7/26/2008 22:00	105	208	2200	8.79	8.79		0.0341	1.86E-04	29.7821	10.9738	40.7559		
	7/26/2008 23:00	106	208	2300	9.05	9.05		0.0044	1.50E-05	2.4053	0.8863	3.2916		
	7/27/2008 0:00	107	209	0	9.11	9.11	9.11	-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	9.11	9.11		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	9.07	9.07		0.0022	6.39E-06	1.0219	0.3766	1.3985		
	7/27/2008 3:00	110	209	300	9.05	9.05		0.0044	1.50E-05	2.4053	0.8863	3.2916		
	7/27/2008 4:00	111	209	400	9.05	9.05		0.0044	1.50E-05	2.4053	0.8863	3.2916		
	7/27/2008 5:00	112	209	500	9	9		0.0100	4.11E-05	6.5716	2.4214	8.9930		
	7/27/2008 6:00	113	209	600	8.94	8.94		0.0168	7.77E-05	12.4263	4.5787	17.0050		
	7/27/2008 7:00	114	209	700	8.88	8.88		0.0236	1.18E-04	18.9594	6.9860	25.9454		
	7/27/2008 8:00	115	209	800	8.61	8.61		0.0557	3.41E-04	54.4864	20.0766	74.5631		
	7/27/2008 9:00	116	209	900	6.179	6.179		0.4711	4.71E-03	753.8499	277.7715	1031.6214		
	7/27/2008 10:00	117	209	1000	4.877	4.877		0.8639	9.94E-03	1590.1031	585.9062	2176.0092		
	7/27/2008 11:00	118	209	1100	4.807	4.807		0.8910	1.03E-02	1651.8251	608.6489	2260.4740		
	7/27/2008 12:00	119	209	1200	4.774	4.774		0.9041	1.05E-02	1681.7066	619.6594	2301.3659		
	7/27/2008 13:00	120	209	1300	4.906	4.906		0.8528	9.78E-03	1565.1753	576.7210	2141.8963		
	7/27/2008 14:00	121	209	1400	4.806	4.806		0.8914	1.03E-02	1652.7231	608.9798	2261.7029		
	7/27/2008 15:00	122	209	1500	4.832	4.832		0.8812	1.02E-02	1629.5254	600.4322	2229.9576		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	4.894	4.894		0.8574	9.85E-03	1575.4454	580.5053	2155.9507		
	7/27/2008 17:00	124	209	1700	4.917	4.917		0.8487	9.72E-03	1555.8160	573.2724	2129.0884		
	7/27/2008 18:00	125	209	1800	5.067	5.067		0.7940	8.96E-03	1433.2500	528.1104	1961.3605		
	7/27/2008 19:00	126	209	1900	5.145	5.145		0.7668	8.58E-03	1373.0542	505.9301	1878.9843		
	7/27/2008 20:00	127	209	2000	5.523	5.523		0.6458	6.95E-03	1111.5702	409.5809	1521.1510		
	7/27/2008 21:00	128	209	2100	6.743	6.743		0.3481	3.25E-03	519.3410	191.3619	710.7029		
	7/27/2008 22:00	129	209	2200	7.941	7.941		0.1447	1.10E-03	176.2694	64.9501	241.2194		
	7/27/2008 23:00	130	209	2300	8.12	8.12		0.1195	8.70E-04	139.2265	51.3009	190.5273		
	7/28/2008 0:00	131	210	0	8.19	8.19	8.74	0.1099	7.85E-04	125.6288	46.2905	171.9193		
	7/28/2008 1:00	132	210	100	8.4	8.4		0.0821	5.49E-04	87.8021	32.3525	120.1545		
	7/28/2008 2:00	133	210	200	8.46	8.46		0.0745	4.86E-04	77.8152	28.6726	106.4878		
	7/28/2008 3:00	134	210	300	8.54	8.54		0.0644	4.07E-04	65.0775	23.9792	89.0567		
	7/28/2008 4:00	135	210	400	8.46	8.46		0.0745	4.86E-04	77.8152	28.6726	106.4878		
	7/28/2008 5:00	136	210	500	8.66	8.66		0.0497	2.95E-04	47.2481	17.4095	64.6576		
	7/28/2008 6:00	137	210	600	8.74	8.74		0.0400	2.27E-04	36.2590	13.3604	49.6194		
	7/28/2008 7:00	138	210	700	8.59	8.59		0.0582	3.59E-04	57.4587	21.1718	78.6305		
	7/28/2008 8:00	139	210	800	6.534	6.534		0.3912	3.75E-03	599.6407	220.9500	820.5907		
	7/28/2008 9:00	140	210	900	5.278	5.278		0.7222	7.97E-03	1275.5827	470.0147	1745.5974		
	7/28/2008 10:00	141	210	1000	4.899	4.899		0.8555	9.82E-03	1571.1585	578.9257	2150.0842		
	7/28/2008 11:00	142	210	1100	4.891	4.891		0.8585	9.86E-03	1578.0228	581.4550	2159.4778		
	7/28/2008 12:00	143	210	1200	4.954	4.954		0.8349	9.53E-03	1524.7162	561.8131	2086.5293		
	7/28/2008 13:00	144	210	1300	4.907	4.907		0.8525	9.78E-03	1564.3222	576.4067	2140.7289		
	7/28/2008 14:00	145	210	1400	4.891	4.891		0.8585	9.86E-03	1578.0228	581.4550	2159.4778		
	7/28/2008 15:00	146	210	1500	4.853	4.853		0.8731	1.01E-02	1611.0148	593.6115	2204.6263		
	7/28/2008 16:00	147	210	1600	4.889	4.889		0.8593	9.87E-03	1579.7433	582.0889	2161.8322		
	7/28/2008 17:00	148	210	1700	4.871	4.871		0.8661	9.97E-03	1595.3069	587.8236	2183.1305		
	7/28/2008 18:00	149	210	1800	4.985	4.985		0.8235	9.37E-03	1499.1045	552.3759	2051.4804		
	7/28/2008 19:00	150	210	1900	5.123	5.123		0.7744	8.69E-03	1389.7981	512.0997	1901.8978		
	7/28/2008 20:00	151	210	2000	5.684	5.684		0.5992	6.34E-03	1013.6388	373.4961	1387.1349		
	7/28/2008 21:00	152	210	2100	7.159	7.159		0.2697	2.37E-03	379.4407	139.8127	519.2535		
	7/28/2008 22:00	153	210	2200	7.76	7.76		0.1714	1.36E-03	217.1255	80.0044	297.1298		
	7/28/2008 23:00	154	210	2300	7.943	7.943		0.1444	1.10E-03	175.8372	64.7908	240.6281		
	7/29/2008 0:00	155	211	0	8.24	8.24	8.89	0.1032	7.26E-04	116.2191	42.8233	159.0424		
	7/29/2008 1:00	156	211	100	8.47	8.47		0.0732	4.76E-04	76.1867	28.0725	104.2592		
	7/29/2008 2:00	157	211	200	8.66	8.66		0.0497	2.95E-04	47.2481	17.4095	64.6576		
	7/29/2008 3:00	158	211	300	8.75	8.75		0.0389	2.18E-04	34.9388	12.8739	47.8127		
	7/29/2008 4:00	159	211	400	8.89	8.89		0.0225	1.11E-04	17.8295	6.5696	24.3991		
	7/29/2008 5:00	160	211	500	8.87	8.87		0.0248	1.26E-04	20.1047	7.4080	27.5127		
	7/29/2008 6:00	161	211	600	8.81	8.81		0.0318	1.71E-04	27.2807	10.0521	37.3328		
	7/29/2008 7:00	162	211	700	8.6	8.6		0.0570	3.50E-04	55.9671	20.6222	76.5894		
	7/29/2008 8:00	163	211	800	7.558	7.558		0.2027	1.67E-03	266.9340	98.3573	365.2913		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	5.649	5.649		0.6091	6.46E-03	1034.3108	381.1131	1415.4239		
	7/29/2008 10:00	165	211	1000	4.986	4.986		0.8231	9.36E-03	1498.2850	552.0739	2050.3589		
	7/29/2008 11:00	166	211	1100	5.249	5.249		0.7318	8.10E-03	1296.3012	477.6488	1773.9500		
	7/29/2008 12:00	167	211	1200	4.792	4.792		0.8969	1.04E-02	1665.3441	613.6303	2278.9744		
	7/29/2008 13:00	168	211	1300	4.874	4.874		0.8650	9.95E-03	1592.7030	586.8642	2179.5671		
	7/29/2008 14:00	169	211	1400	4.728	4.728		0.9226	1.08E-02	1724.2265	635.3267	2359.5532		
	7/29/2008 15:00	170	211	1500	4.899	4.899		0.8555	9.82E-03	1571.1585	578.9257	2150.0842		
	7/29/2008 16:00	171	211	1600	5.037	5.037		0.8046	9.11E-03	1457.0302	536.8727	1993.9029		
	7/29/2008 17:00	172	211	1700	5.257	5.257		0.7291	8.07E-03	1290.5566	475.5321	1766.0888		
	7/29/2008 18:00	173	211	1800	5.26	5.26		0.7281	8.05E-03	1288.4082	474.7405	1763.1486		
	7/29/2008 19:00	174	211	1900	5.321	5.321		0.7083	7.78E-03	1245.3915	458.8901	1704.2816		
	7/29/2008 20:00	175	211	2000	6.256	6.256		0.4530	4.49E-03	718.3435	264.6884	983.0319		
	7/29/2008 21:00	176	211	2100	7.789	7.789		0.1670	1.31E-03	210.3442	77.5057	287.8499		
	7/29/2008 22:00	177	211	2200	8.59	8.59		0.0582	3.59E-04	57.4587	21.1718	78.6305		
	7/29/2008 23:00	178	211	2300	8.85	8.85		0.0271	1.40E-04	22.4400	8.2685	30.7084		
	7/30/2008 0:00	179	212	0	8.92	8.92	8.95	0.0191	9.09E-05	14.5363	5.3562	19.8924		
	7/30/2008 1:00	180	212	100	8.93	8.93		0.0179	8.42E-05	13.4723	4.9642	18.4365		
	7/30/2008 2:00	181	212	200	8.93	8.93		0.0179	8.42E-05	13.4723	4.9642	18.4365		
	7/30/2008 3:00	182	212	300	8.95	8.95		0.0156	7.12E-05	11.3988	4.2001	15.5989		
	7/30/2008 4:00	183	212	400	8.94	8.94		0.0168	7.77E-05	12.4263	4.5787	17.0050		
	7/30/2008 5:00	184	212	500	8.92	8.92		0.0191	9.09E-05	14.5363	5.3562	19.8924		
	7/30/2008 6:00	185	212	600	8.91	8.91		0.0202	9.76E-05	15.6175	5.7546	21.3720		
	7/30/2008 7:00	186	212	700	8.91	8.91		0.0202	9.76E-05	15.6175	5.7546	21.3720		
	7/30/2008 8:00	187	212	800	8.89	8.89		0.0225	1.11E-04	17.8295	6.5696	24.3991		
	7/30/2008 9:00	188	212	900	7.516	7.516		0.2094	1.74E-03	277.8704	102.3871	380.2575		
	7/30/2008 10:00	189	212	1000	5.23	5.23		0.7380	8.19E-03	1310.0342	482.7090	1792.7432		
	7/30/2008 11:00	190	212	1100	4.937	4.937		0.8412	9.62E-03	1538.9328	567.0514	2105.9842		
	7/30/2008 12:00	191	212	1200	4.942	4.942		0.8393	9.59E-03	1534.7387	565.5060	2100.2448		
	7/30/2008 13:00	192	212	1300	4.971	4.971		0.8286	9.44E-03	1510.6215	556.6195	2067.2410		
	7/30/2008 14:00	193	212	1400	4.926	4.926		0.8453	9.68E-03	1548.1973	570.4651	2118.6625		
	7/30/2008 15:00	194	212	1500	5.048	5.048		0.8007	9.05E-03	1448.2694	533.6447	1981.9141		
	7/30/2008 16:00	195	212	1600	4.924	4.924		0.8461	9.69E-03	1549.8873	571.0879	2120.9752		
	7/30/2008 17:00	196	212	1700	4.923	4.923		0.8464	9.69E-03	1550.7330	571.3995	2122.1325		
	7/30/2008 18:00	197	212	1800	5.113	5.113		0.7778	8.73E-03	1397.4692	514.9263	1912.3955		
	7/30/2008 19:00	198	212	1900	5.166	5.166		0.7596	8.48E-03	1357.2397	500.1029	1857.3426		
	7/30/2008 20:00	199	212	2000	5.72	5.72		0.5892	6.20E-03	992.7208	365.7884	1358.5092		
	7/30/2008 21:00	200	212	2100	7.235	7.235		0.2564	2.23E-03	356.4772	131.3514	487.8285		
	7/30/2008 22:00	201	212	2200	8.3	8.3		0.0952	6.58E-04	105.2599	38.7852	144.0451		
	7/30/2008 23:00	202	212	2300	8.7	8.7		0.0448	2.60E-04	41.6602	15.3506	57.0108		
	7/31/2008 0:00	203	213	0	8.97	8.97	9.31	0.0134	5.88E-05	9.4027	3.4646	12.8674		
	7/31/2008 1:00	204	213	100	9.12	9.12		-0.0033	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.18	9.18		-0.0098	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	9.22	9.22		-0.0141	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	9.28	9.28		-0.0205	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	9.3	9.3		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	9.31	9.31		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 7:00	210	213	700	9.3	9.3		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 8:00	211	213	800	9.19	9.19		-0.0109	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 9:00	212	213	900	7.354	7.354		0.2361	2.01E-03	322.0063	118.6498	440.6561		
	7/31/2008 10:00	213	213	1000	5.395	5.395		0.6849	7.47E-03	1194.8713	440.2749	1635.1462		
	7/31/2008 11:00	214	213	1100	5.234	5.234		0.7367	8.17E-03	1307.1325	481.6398	1788.7723		
	7/31/2008 12:00	215	213	1200	5.07	5.07		0.7929	8.94E-03	1430.8915	527.2414	1958.1329		
	7/31/2008 13:00	216	213	1300	5.254	5.254		0.7301	8.08E-03	1292.7082	476.3249	1769.0331		
	7/31/2008 14:00	217	213	1400	5.013	5.013		0.8133	9.23E-03	1476.3127	543.9778	2020.2905		
	7/31/2008 15:00	218	213	1500	5.016	5.016		0.8122	9.21E-03	1473.8897	543.0850	2016.9747		
	7/31/2008 16:00	219	213	1600	5.071	5.071		0.7925	8.94E-03	1430.1061	526.9520	1957.0581		
	7/31/2008 17:00	220	213	1700	5.061	5.061		0.7961	8.99E-03	1437.9776	529.8524	1967.8301		
	7/31/2008 18:00	221	213	1800	5.191	5.191		0.7511	8.37E-03	1338.6241	493.2436	1831.8677		
	7/31/2008 19:00	222	213	1900	5.389	5.389		0.6868	7.49E-03	1198.9013	441.7599	1640.6612		
	7/31/2008 20:00	223	213	2000	6.099	6.099		0.4904	4.95E-03	792.0377	291.8426	1083.8803		
	7/31/2008 21:00	224	213	2100	7.04	7.04		0.2912	2.61E-03	416.9426	153.6311	570.5737		
	7/31/2008 22:00	225	213	2200	7.823	7.823		0.1620	1.27E-03	202.5092	74.6187	277.1278		
	7/31/2008 23:00	226	213	2300	7.81	7.81		0.1639	1.28E-03	205.4903	75.7171	281.2074		
	8/1/2008 0:00	227	214	0	8.18	8.18	9.30	0.1112	7.97E-04	127.5410	46.9951	174.5361		
	8/1/2008 1:00	228	214	100	8.77	8.77		0.0365	2.02E-04	32.3353	11.9146	44.2499		
	8/1/2008 2:00	229	214	200	9.07	9.07		0.0022	6.39E-06	1.0219	0.3766	1.3985		
	8/1/2008 3:00	230	214	300	9.12	9.12		-0.0033	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 4:00	231	214	400	9.23	9.23		-0.0152	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	9.3	9.3		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	9.29	9.29		-0.0215	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	9.29	9.29		-0.0215	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	9.16	9.16		-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 9:00	236	214	900	7.461	7.461		0.2183	1.83E-03	292.5034	107.7789	400.2823		
	8/1/2008 10:00	237	214	1000	5.448	5.448		0.6685	7.25E-03	1159.7672	427.3401	1587.1073		
	8/1/2008 11:00	238	214	1100	5.325	5.325		0.7070	7.77E-03	1242.6147	457.8669	1700.4816		
	8/1/2008 12:00	239	214	1200	5.279	5.279		0.7219	7.97E-03	1274.8735	469.7533	1744.6268		
	8/1/2008 13:00	240	214	1300	5.17	5.17		0.7582	8.46E-03	1354.2459	498.9997	1853.2456		
	8/1/2008 14:00	241	214	1400	5.113	5.113		0.7778	8.73E-03	1397.4692	514.9263	1912.3955		
	8/1/2008 15:00	242	214	1500	5.071	5.071		0.7925	8.94E-03	1430.1061	526.9520	1957.0581		
	8/1/2008 16:00	243	214	1600	5.11	5.11		0.7789	8.75E-03	1399.7780	515.7770	1915.5550		
	8/1/2008 17:00	244	214	1700	5.152	5.152		0.7644	8.55E-03	1367.7646	503.9810	1871.7456		
	8/1/2008 18:00	245	214	1800	5.291	5.291		0.7180	7.91E-03	1266.3890	466.6271	1733.0161		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.352	5.352		0.6984	7.65E-03	1224.0097	451.0116	1675.0213		
	8/1/2008 20:00	247	214	2000	6.09	6.09		0.4926	4.98E-03	796.4190	293.4570	1089.8759		
	8/1/2008 21:00	248	214	2100	7.794	7.794		0.1663	1.31E-03	209.1842	77.0782	286.2625		
	8/1/2008 22:00	249	214	2200	8.72	8.72		0.0424	2.43E-04	38.9359	14.3467	53.2826		
	8/1/2008 23:00	250	214	2300	8.96	8.96		0.0145	6.49E-05	10.3906	3.8286	14.2193		
	8/2/2008 0:00	251	215	0	9.06	9.06	9.34	0.0033	1.05E-05	1.6857	0.6211	2.3068		
	8/2/2008 1:00	252	215	100	9.19	9.19		-0.0109	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	9.29	9.29		-0.0215	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.34	9.34		-0.0268	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.26	9.26		-0.0184	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.22	9.22		-0.0141	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.21	9.21		-0.0130	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.05	9.05		0.0044	1.50E-05	2.4053	0.8863	3.2916		
	8/2/2008 8:00	259	215	800	7.493	7.493		0.2131	1.77E-03	283.9464	104.6259	388.5723		
	8/2/2008 9:00	260	215	900	5.769	5.769		0.5757	6.03E-03	964.7981	355.4997	1320.2978		
	8/2/2008 10:00	261	215	1000	5.558	5.558		0.6355	6.81E-03	1089.6524	401.5048	1491.1572		
	8/2/2008 11:00	262	215	1100	5.415	5.415		0.6787	7.38E-03	1181.5206	435.3556	1616.8762		
	8/2/2008 12:00	263	215	1200	5.322	5.322		0.7080	7.78E-03	1244.6968	458.6341	1703.3309		
	8/2/2008 13:00	264	215	1300	5.283	5.283		0.7206	7.95E-03	1272.0398	468.7092	1740.7491		
	8/2/2008 14:00	265	215	1400	5.272	5.272		0.7242	8.00E-03	1279.8455	471.5854	1751.4308		
	8/2/2008 15:00	266	215	1500	5.256	5.256		0.7295	8.07E-03	1291.2735	475.7963	1767.0697		
	8/2/2008 16:00	267	215	1600	5.285	5.285		0.7200	7.94E-03	1270.6251	468.1880	1738.8130		
	8/2/2008 17:00	268	215	1700	5.29	5.29		0.7183	7.92E-03	1267.0942	466.8869	1733.9811		
	8/2/2008 18:00	269	215	1800	5.435	5.435		0.6725	7.30E-03	1168.2962	430.4827	1598.7789		
	8/2/2008 19:00	270	215	1900	5.52	5.52		0.6467	6.96E-03	1113.4656	410.2793	1523.7449		
	8/2/2008 20:00	271	215	2000	6.101	6.101		0.4899	4.94E-03	791.0665	291.4847	1082.5512		
	8/2/2008 21:00	272	215	2100	7.233	7.233		0.2567	2.23E-03	357.0719	131.5705	488.6424		
	8/2/2008 22:00	273	215	2200	8.3	8.3		0.0952	6.58E-04	105.2599	38.7852	144.0451		
	8/2/2008 23:00	274	215	2300	8.69	8.69		0.0460	2.69E-04	43.0399	15.8590	58.8989		
	8/3/2008 0:00	275	216	0	8.58	8.58	9.16	0.0594	3.69E-04	58.9611	21.7254	80.6865		
	8/3/2008 1:00	276	216	100	8.36	8.36		0.0873	5.92E-04	94.6638	34.8808	129.5446		
	8/3/2008 2:00	277	216	200	8.67	8.67		0.0484	2.86E-04	45.8340	16.8885	62.7225		
	8/3/2008 3:00	278	216	300	8.94	8.94		0.0168	7.77E-05	12.4263	4.5787	17.0050		
	8/3/2008 4:00	279	216	400	9.1	9.1		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	9.16	9.16		-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	8.93	8.93		0.0179	8.42E-05	13.4723	4.9642	18.4365		
	8/3/2008 7:00	282	216	700	8.61	8.61		0.0557	3.41E-04	54.4864	20.0766	74.5631		
	8/3/2008 8:00	283	216	800	7.351	7.351		0.2366	2.02E-03	322.8535	118.9620	441.8156		
	8/3/2008 9:00	284	216	900	5.627	5.627		0.6154	6.55E-03	1047.4767	385.9643	1433.4410		
	8/3/2008 10:00	285	216	1000	5.34	5.34		0.7022	7.70E-03	1232.2489	454.0474	1686.2963		
	8/3/2008 11:00	286	216	1100	5.248	5.248		0.7321	8.11E-03	1297.0208	477.9140	1774.9348		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.227	5.227		0.7390	8.20E-03	1312.2141	483.5123	1795.7264		
	8/3/2008 13:00	288	216	1300	5.216	5.216		0.7427	8.25E-03	1320.2347	486.4676	1806.7024		
	8/3/2008 14:00	289	216	1400	5.224	5.224		0.7400	8.21E-03	1314.3973	484.3167	1798.7140		
	8/3/2008 15:00	290	216	1500	5.3	5.3		0.7151	7.88E-03	1260.0579	464.2942	1724.3521		
	8/3/2008 16:00	291	216	1600	5.323	5.323		0.7077	7.77E-03	1244.0024	458.3783	1702.3807		
	8/3/2008 17:00	292	216	1700	5.315	5.315		0.7103	7.81E-03	1249.5668	460.4286	1709.9954		
	8/3/2008 18:00	293	216	1800	5.437	5.437		0.6719	7.29E-03	1166.9806	429.9980	1596.9786		
	8/3/2008 19:00	294	216	1900	5.451	5.451		0.6676	7.24E-03	1157.8064	426.6176	1584.4240		
	8/3/2008 20:00	295	216	2000	5.712	5.712		0.5914	6.23E-03	997.3394	367.4902	1364.8296		
	8/3/2008 21:00	296	216	2100	6.515	6.515		0.3952	3.80E-03	607.3057	223.7743	831.0800		
	8/3/2008 22:00	297	216	2200	7.145	7.145		0.2722	2.40E-03	383.7536	141.4019	525.1556		
	8/3/2008 23:00	298	216	2300	7.299	7.299		0.2454	2.11E-03	337.7168	124.4387	462.1555		
	8/4/2008 0:00	299	217	0	7.379	7.379	8.56	0.2319	1.97E-03	314.9888	116.0641	431.0528		
	8/4/2008 1:00	300	217	100	7.456	7.456		0.2192	1.84E-03	293.8514	108.2756	402.1270		
	8/4/2008 2:00	301	217	200	7.107	7.107		0.2790	2.47E-03	395.5921	145.7641	541.3562		
	8/4/2008 3:00	302	217	300	6.912	6.912		0.3151	2.87E-03	459.4796	169.3047	628.7844		
	8/4/2008 4:00	303	217	400	6.71	6.71		0.3547	3.32E-03	531.5450	195.8587	727.4037		
	8/4/2008 5:00	304	217	500	6.928	6.928		0.3121	2.84E-03	454.0339	167.2981	621.3320		
	8/4/2008 6:00	305	217	600	7.42	7.42		0.2251	1.90E-03	303.6449	111.8842	415.5291		
	8/4/2008 7:00	306	217	700	7.43	7.43		0.2234	1.88E-03	300.9089	110.8761	411.7850		
	8/4/2008 8:00	307	217	800	7.242	7.242		0.2552	2.21E-03	354.3998	130.5859	484.9857		
	8/4/2008 9:00	308	217	900	6.958	6.958		0.3064	2.77E-03	443.9233	163.5727	607.4960		
	8/4/2008 10:00	309	217	1000	6.076	6.076		0.4961	5.02E-03	803.2692	295.9810	1099.2502		
	8/4/2008 11:00	310	217	1100	5.553	5.553		0.6370	6.83E-03	1092.7616	402.6505	1495.4121		
	8/4/2008 12:00	311	217	1200	5.358	5.358		0.6965	7.62E-03	1219.9079	449.5002	1669.4081		
	8/4/2008 13:00	312	217	1300	5.311	5.311		0.7115	7.83E-03	1252.3570	461.4567	1713.8137		
	8/4/2008 14:00	313	217	1400	5.573	5.573		0.6311	6.75E-03	1080.3682	398.0839	1478.4521		
	8/4/2008 15:00	314	217	1500	5.91	5.91		0.5381	5.55E-03	887.8361	327.1415	1214.9776		
	8/4/2008 16:00	315	217	1600	5.412	5.412		0.6796	7.40E-03	1183.5152	436.0905	1619.6057		
	8/4/2008 17:00	316	217	1700	5.348	5.348		0.6997	7.67E-03	1226.7509	452.0216	1678.7724		
	8/4/2008 18:00	317	217	1800	5.505	5.505		0.6512	7.02E-03	1122.9828	413.7861	1536.7690		
	8/4/2008 19:00	318	217	1900	5.642	5.642		0.6111	6.49E-03	1038.4854	382.6513	1421.1367		
	8/4/2008 20:00	319	217	2000	6.219	6.219		0.4616	4.60E-03	735.2552	270.9199	1006.1750		
	8/4/2008 21:00	320	217	2100	7.76	7.76		0.1714	1.36E-03	217.1255	80.0044	297.1298		
	8/4/2008 22:00	321	217	2200	8.38	8.38		0.0847	5.70E-04	91.2126	33.6092	124.8218		
	8/4/2008 23:00	322	217	2300	8.56	8.56		0.0619	3.87E-04	61.9980	22.8444	84.8424		
	8/5/2008 0:00	323	218	0	8.84	8.84	9.28	0.0283	1.48E-04	23.6293	8.7067	32.3360		
	8/5/2008 1:00	324	218	100	9.02	9.02		0.0078	3.01E-05	4.8098	1.7723	6.5820		
	8/5/2008 2:00	325	218	200	9.16	9.16		-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	9.14	9.14		-0.0055	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 4:00	327	218	400	8.97	8.97		0.0134	5.88E-05	9.4027	3.4646	12.8674		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	8.96	8.96		0.0145	6.49E-05	10.3906	3.8286	14.2193		
	8/5/2008 6:00	329	218	600	9.08	9.08		0.0011	2.72E-06	0.4348	0.1602	0.5950		
	8/5/2008 7:00	330	218	700	9.17	9.17		-0.0087	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	9.01	9.01		0.0089	3.55E-05	5.6768	2.0917	7.7686		
	8/5/2008 9:00	332	218	900	7.383	7.383		0.2312	1.96E-03	313.8731	115.6530	429.5260		
	8/5/2008 10:00	333	218	1000	6.009	6.009		0.5127	5.23E-03	836.6488	308.2805	1144.9293		
	8/5/2008 11:00	334	218	1100	6.17	6.17		0.4733	4.74E-03	758.0790	279.3298	1037.4088		
	8/5/2008 12:00	335	218	1200	5.857	5.857		0.5520	5.73E-03	916.1902	337.5891	1253.7793		
	8/5/2008 13:00	336	218	1300	5.5	5.5		0.6527	7.04E-03	1126.1702	414.9606	1541.1307		
	8/5/2008 14:00	337	218	1400	5.934	5.934		0.5319	5.47E-03	875.2176	322.4919	1197.7095		
	8/5/2008 15:00	338	218	1500	6.358	6.358		0.4297	4.21E-03	673.1152	248.0231	921.1383		
	8/5/2008 16:00	339	218	1600	6.213	6.213		0.4631	4.61E-03	738.0236	271.9400	1009.9635		
	8/5/2008 17:00	340	218	1700	5.764	5.764		0.5770	6.05E-03	967.6188	356.5390	1324.1579		
	8/5/2008 18:00	341	218	1800	5.546	5.546		0.6390	6.86E-03	1097.1267	404.2589	1501.3856		
	8/5/2008 19:00	342	218	1900	5.69	5.69		0.5975	6.31E-03	1010.1284	372.2026	1382.3310		
	8/5/2008 20:00	343	218	2000	6.485	6.485		0.4017	3.87E-03	619.5372	228.2812	847.8184		
	8/5/2008 21:00	344	218	2100	8.25	8.25		0.1018	7.15E-04	114.3674	42.1410	156.5084		
	8/5/2008 22:00	345	218	2200	9.06	9.06		0.0033	1.05E-05	1.6857	0.6211	2.3068		
	8/5/2008 23:00	346	218	2300	9.28	9.28		-0.0205	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.44	9.44	9.52	-0.0371	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.47	9.47		-0.0401	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.51	9.51		-0.0442	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.52	9.52		-0.0452	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	9.49	9.49		-0.0421	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	9.48	9.48		-0.0411	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	9.46	9.46		-0.0391	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	9.44	9.44		-0.0371	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	9.4	9.4		-0.0330	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 9:00	356	219	900	8.88	8.88		0.0236	1.18E-04	18.9594	6.9860	25.9454		
	8/6/2008 10:00	357	219	1000	6.302	6.302		0.4424	4.36E-03	697.6968	257.0807	954.7775		
	8/6/2008 11:00	358	219	1100	5.5	5.5		0.6527	7.04E-03	1126.1702	414.9606	1541.1307		
	8/6/2008 12:00	359	219	1200	5.987	5.987		0.5183	5.30E-03	847.8285	312.3998	1160.2283		
	8/6/2008 13:00	360	219	1300	6.344	6.344		0.4328	4.25E-03	679.2044	250.2668	929.4713		
	8/6/2008 14:00	361	219	1400	5.882	5.882		0.5454	5.64E-03	902.7311	332.6299	1235.3610		
	8/6/2008 15:00	362	219	1500	5.62	5.62		0.6174	6.57E-03	1051.6940	387.5183	1439.2123		
	8/6/2008 16:00	363	219	1600	5.7	5.7		0.5947	6.28E-03	1004.2992	370.0547	1374.3539		
	8/6/2008 17:00	364	219	1700	5.61	5.61		0.6203	6.61E-03	1057.7426	389.7470	1447.4896		
	8/6/2008 18:00	365	219	1800	5.996	5.996		0.5160	5.27E-03	843.2417	310.7097	1153.9514		
	8/6/2008 19:00	366	219	1900	6.042	6.042		0.5045	5.13E-03	820.0837	302.1767	1122.2604		
	8/6/2008 20:00	367	219	2000	6.402	6.402		0.4199	4.09E-03	654.2174	241.0598	895.2772		
	8/6/2008 21:00	368	219	2100	7.675	7.675		0.1844	1.48E-03	237.5302	87.5229	325.0531		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.85	8.85		0.0271	1.40E-04	22.4400	8.2685	30.7084		
	8/6/2008 23:00	370	219	2300	9.15	9.15		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 0:00	371	220	0	9.34	9.34	9.49	-0.0268	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	9.49	9.49		-0.0421	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	9.49	9.49		-0.0421	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	9.46	9.46		-0.0391	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	9.44	9.44		-0.0371	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	9.41	9.41		-0.0340	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	9.38	9.38		-0.0309	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 7:00	378	220	700	9.35	9.35		-0.0278	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 8:00	379	220	800	9.32	9.32		-0.0247	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 9:00	380	220	900	8.36	8.36		0.0873	5.92E-04	94.6638	34.8808	129.5446		
	8/7/2008 10:00	381	220	1000	5.984	5.984		0.5191	5.31E-03	849.3615	312.9647	1162.3262		
	8/7/2008 11:00	382	220	1100	5.448	5.448		0.6685	7.25E-03	1159.7672	427.3401	1587.1073		
	8/7/2008 12:00	383	220	1200	5.461	5.461		0.6645	7.20E-03	1151.2905	424.2167	1575.5072		
	8/7/2008 13:00	384	220	1300	5.464	5.464		0.6636	7.18E-03	1149.3418	423.4986	1572.8404		
	8/7/2008 14:00	385	220	1400	5.479	5.479		0.6591	7.12E-03	1139.6392	419.9235	1559.5626		
	8/7/2008 15:00	386	220	1500	5.512	5.512		0.6491	6.99E-03	1118.5331	412.1465	1530.6796		
	8/7/2008 16:00	387	220	1600	5.454	5.454		0.6667	7.22E-03	1155.8484	425.8961	1581.7446		
	8/7/2008 17:00	388	220	1700	5.422	5.422		0.6765	7.36E-03	1176.8778	433.6448	1610.5226		
	8/7/2008 18:00	389	220	1800	5.614	5.614		0.6192	6.60E-03	1055.3198	388.8543	1444.1741		
	8/7/2008 19:00	390	220	1900	5.741	5.741		0.5833	6.13E-03	980.6773	361.3507	1342.0280		
	8/7/2008 20:00	391	220	2000	6.258	6.258		0.4525	4.48E-03	717.4371	264.3545	981.7916		
	8/7/2008 21:00	392	220	2100	7.539	7.539		0.2057	1.70E-03	271.8561	100.1710	372.0271		
	8/7/2008 22:00	393	220	2200	8.31	8.31		0.0939	6.47E-04	103.4687	38.1252	141.5938		
	8/7/2008 23:00	394	220	2300	8.77	8.77		0.0365	2.02E-04	32.3353	11.9146	44.2499		
	8/8/2008 0:00	395	221	0	9.07	9.07	9.47	0.0022	6.39E-06	1.0219	0.3766	1.3985		
	8/8/2008 1:00	396	221	100	9.1	9.1		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 2:00	397	221	200	9.32	9.32		-0.0247	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	9.47	9.47		-0.0401	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	9.46	9.46		-0.0391	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	9.43	9.43		-0.0361	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	9.41	9.41		-0.0340	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	9.38	9.38		-0.0309	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 8:00	403	221	800	9.21	9.21		-0.0130	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 9:00	404	221	900	7.131	7.131		0.2747	2.43E-03	388.0927	143.0007	531.0934		
	8/8/2008 10:00	405	221	1000	5.726	5.726		0.5875	6.18E-03	989.2680	364.5161	1353.7841		
	8/8/2008 11:00	406	221	1100	5.592	5.592		0.6255	6.68E-03	1068.7010	393.7849	1462.4859		
	8/8/2008 12:00	407	221	1200	5.515	5.515		0.6482	6.98E-03	1116.6306	411.4455	1528.0761		
	8/8/2008 13:00	408	221	1300	5.509	5.509		0.6500	7.00E-03	1120.4383	412.8486	1533.2869		
	8/8/2008 14:00	409	221	1400	5.473	5.473		0.6609	7.15E-03	1143.5120	421.3505	1564.8625		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.47	5.47		0.6618	7.16E-03	1145.4525	422.0655	1567.5180		
	8/8/2008 16:00	411	221	1600	5.441	5.441		0.6706	7.28E-03	1164.3532	429.0299	1593.3831		
	8/8/2008 17:00	412	221	1700	5.517	5.517		0.6476	6.97E-03	1115.3637	410.9787	1526.3424		
	8/8/2008 18:00	413	221	1800	5.778	5.778		0.5732	6.00E-03	959.7371	353.6349	1313.3719		
	8/8/2008 19:00	414	221	1900	5.719	5.719		0.5894	6.21E-03	993.2972	366.0008	1359.2980		
	8/8/2008 20:00	415	221	2000	6.304	6.304		0.4419	4.36E-03	696.8085	256.7534	953.5619		
	8/8/2008 21:00	416	221	2100	7.424	7.424		0.2244	1.89E-03	302.5491	111.4804	414.0295		
	8/8/2008 22:00	417	221	2200	8.13	8.13		0.1181	8.58E-04	137.2536	50.5739	187.8275		
	8/8/2008 23:00	418	221	2300	8.29	8.29		0.0965	6.69E-04	107.0613	39.4489	146.5102		
	8/9/2008 0:00	419	222	0	8.31	8.31	9.33	0.0939	6.47E-04	103.4687	38.1252	141.5938		
	8/9/2008 1:00	420	222	100	8.31	8.31		0.0939	6.47E-04	103.4687	38.1252	141.5938		
	8/9/2008 2:00	421	222	200	8.38	8.38		0.0847	5.70E-04	91.2126	33.6092	124.8218		
	8/9/2008 3:00	422	222	300	8.42	8.42		0.0796	5.28E-04	84.4322	31.1108	115.5430		
	8/9/2008 4:00	423	222	400	8.44	8.44		0.0770	5.07E-04	81.1032	29.8841	110.9873		
	8/9/2008 5:00	424	222	500	8.31	8.31		0.0939	6.47E-04	103.4687	38.1252	141.5938		
	8/9/2008 6:00	425	222	600	8.33	8.33		0.0912	6.24E-04	99.9164	36.8163	136.7326		
	8/9/2008 7:00	426	222	700	7.898	7.898		0.1509	1.16E-03	185.6614	68.4108	254.0722		
	8/9/2008 8:00	427	222	800	7.179	7.179		0.2662	2.33E-03	373.3244	137.5591	510.8835		
	8/9/2008 9:00	428	222	900	8.03	8.03		0.1320	9.84E-04	157.4403	58.0121	215.4524		
	8/9/2008 10:00	429	222	1000	7.659	7.659		0.1868	1.51E-03	241.4603	88.9710	330.4314		
	8/9/2008 11:00	430	222	1100	6.965	6.965		0.3051	2.76E-03	441.5828	162.7103	604.2931		
	8/9/2008 12:00	431	222	1200	6.258	6.258		0.4525	4.48E-03	717.4371	264.3545	981.7916		
	8/9/2008 13:00	432	222	1300	6.07	6.07		0.4975	5.04E-03	806.2180	297.0676	1103.2856		
	8/9/2008 14:00	433	222	1400	5.696	5.696		0.5959	6.29E-03	1006.6276	370.9127	1377.5403		
	8/9/2008 15:00	434	222	1500	5.621	5.621		0.6171	6.57E-03	1051.0907	387.2960	1438.3867		
	8/9/2008 16:00	435	222	1600	5.636	5.636		0.6128	6.51E-03	1042.0744	383.9738	1426.0482		
	8/9/2008 17:00	436	222	1700	5.699	5.699		0.5950	6.28E-03	1004.8809	370.2690	1375.1499		
	8/9/2008 18:00	437	222	1800	5.816	5.816		0.5629	5.87E-03	938.5954	345.8448	1284.4402		
	8/9/2008 19:00	438	222	1900	5.944	5.944		0.5293	5.44E-03	869.9999	320.5694	1190.5693		
	8/9/2008 20:00	439	222	2000	6.531	6.531		0.3918	3.76E-03	600.8468	221.3944	822.2412		
	8/9/2008 21:00	440	222	2100	8.13	8.13		0.1181	8.58E-04	137.2536	50.5739	187.8275		
	8/9/2008 22:00	441	222	2200	9.11	9.11		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	8/9/2008 23:00	442	222	2300	9.33	9.33		-0.0257	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	9.39	9.39	9.46	-0.0319	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	9.45	9.45		-0.0381	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	9.46	9.46		-0.0391	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	9.46	9.46		-0.0391	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 4:00	447	223	400	9.42	9.42		-0.0350	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 5:00	448	223	500	9.4	9.4		-0.0330	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 6:00	449	223	600	9.36	9.36		-0.0288	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 7:00	450	223	700	9.34	9.34		-0.0268	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	9.29	9.29		-0.0215	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 9:00	452	223	900	8.2	8.2		0.1085	7.73E-04	123.7267	45.5897	169.3164		
	8/10/2008 10:00	453	223	1000	5.99	5.99		0.5175	5.29E-03	846.2975	311.8357	1158.1332		
	8/10/2008 11:00	454	223	1100	5.491	5.491		0.6554	7.07E-03	1131.9263	417.0815	1549.0078		
	8/10/2008 12:00	455	223	1200	5.541	5.541		0.6405	6.88E-03	1100.2533	405.4110	1505.6643		
	8/10/2008 13:00	456	223	1300	5.57	5.57		0.6320	6.76E-03	1082.2199	398.7662	1480.9860		
	8/10/2008 14:00	457	223	1400	5.555	5.555		0.6364	6.82E-03	1091.5170	402.1919	1493.7089		
	8/10/2008 15:00	458	223	1500	5.692	5.692		0.5970	6.31E-03	1008.9604	371.7722	1380.7326		
	8/10/2008 16:00	459	223	1600	5.558	5.558		0.6355	6.81E-03	1089.6524	401.5048	1491.1572		
	8/10/2008 17:00	460	223	1700	5.731	5.731		0.5861	6.16E-03	986.3978	363.4586	1349.8564		
	8/10/2008 18:00	461	223	1800	8.19	8.19		0.1099	7.85E-04	125.6288	46.2905	171.9193		
	8/10/2008 19:00	462	223	1900	8.85	8.85		0.0271	1.40E-04	22.4400	8.2685	30.7084		
	8/10/2008 20:00	463	223	2000	8.49	8.49		0.0707	4.56E-04	72.9605	26.8838	99.8444		
	8/10/2008 21:00	464	223	2100	8.36	8.36		0.0873	5.92E-04	94.6638	34.8808	129.5446		
	8/10/2008 22:00	465	223	2200	8.61	8.61		0.0557	3.41E-04	54.4864	20.0766	74.5631		
	8/10/2008 23:00	466	223	2300	8.55	8.55		0.0632	3.97E-04	63.5325	23.4098	86.9423		
	8/11/2008 0:00	467	224	0	8.53	8.53	9.08	0.0657	4.16E-04	66.6332	24.5524	91.1855		
	8/11/2008 1:00	468	224	100	8.72	8.72		0.0424	2.43E-04	38.9359	14.3467	53.2826		
	8/11/2008 2:00	469	224	200	8.94	8.94		0.0168	7.77E-05	12.4263	4.5787	17.0050		
	8/11/2008 3:00	470	224	300	9.04	9.04		0.0055	1.98E-05	3.1700	1.1680	4.3380		
	8/11/2008 4:00	471	224	400	9.07	9.07		0.0022	6.39E-06	1.0219	0.3766	1.3985		
	8/11/2008 5:00	472	224	500	9.02	9.02		0.0078	3.01E-05	4.8098	1.7723	6.5820		
	8/11/2008 6:00	473	224	600	9.05	9.05		0.0044	1.50E-05	2.4053	0.8863	3.2916		
	8/11/2008 7:00	474	224	700	9.08	9.08		0.0011	2.72E-06	0.4348	0.1602	0.5950		
	8/11/2008 8:00	475	224	800	9.05	9.05		0.0044	1.50E-05	2.4053	0.8863	3.2916		
	8/11/2008 9:00	476	224	900	7.961	7.961		0.1418	1.07E-03	171.9667	63.3647	235.3313		
	8/11/2008 10:00	477	224	1000	6.096	6.096		0.4911	4.96E-03	793.4962	292.3800	1085.8762		
	8/11/2008 11:00	478	224	1100	5.686	5.686		0.5987	6.33E-03	1012.4676	373.0645	1385.5321		
	8/11/2008 12:00	479	224	1200	5.714	5.714		0.5908	6.23E-03	996.1832	367.0642	1363.2473		
	8/11/2008 13:00	480	224	1300	5.904	5.904		0.5396	5.57E-03	891.0121	328.3117	1219.3239		
	8/11/2008 14:00	481	224	1400	5.669	5.669		0.6035	6.39E-03	1022.4574	376.7454	1399.2028		
	8/11/2008 15:00	482	224	1500	5.611	5.611		0.6200	6.61E-03	1057.1365	389.5237	1446.6602		
	8/11/2008 16:00	483	224	1600	5.772	5.772		0.5748	6.02E-03	963.1088	354.8772	1317.9860		
	8/11/2008 17:00	484	224	1700	5.852	5.852		0.5533	5.74E-03	918.9003	338.5877	1257.4881		
	8/11/2008 18:00	485	224	1800	6.099	6.099		0.4904	4.95E-03	792.0377	291.8426	1083.8803		
	8/11/2008 19:00	486	224	1900	6.216	6.216		0.4624	4.60E-03	736.6385	271.4296	1008.0680		
	8/11/2008 20:00	487	224	2000	6.865	6.865		0.3241	2.97E-03	475.6943	175.2794	650.9737		
	8/11/2008 21:00	488	224	2100	7.753	7.753		0.1724	1.37E-03	218.7760	80.6125	299.3885		
	8/11/2008 22:00	489	224	2200	8.32	8.32		0.0925	6.36E-04	101.6875	37.4688	139.1563		
	8/11/2008 23:00	490	224	2300	8.59	8.59		0.0582	3.59E-04	57.4587	21.1718	78.6305		
	8/12/2008 0:00	491	225	0	8.74	8.74	8.97	0.0400	2.27E-04	36.2590	13.3604	49.6194		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	8.75	8.75		0.0389	2.18E-04	34.9388	12.8739	47.8127		
	8/12/2008 2:00	493	225	200	8.4	8.4		0.0821	5.49E-04	87.8021	32.3525	120.1545		
	8/12/2008 3:00	494	225	300	8.59	8.59		0.0582	3.59E-04	57.4587	21.1718	78.6305		
	8/12/2008 4:00	495	225	400	8.83	8.83		0.0294	1.55E-04	24.8327	9.1501	33.9828		
	8/12/2008 5:00	496	225	500	8.89	8.89		0.0225	1.11E-04	17.8295	6.5696	24.3991		
	8/12/2008 6:00	497	225	600	8.97	8.97		0.0134	5.88E-05	9.4027	3.4646	12.8674		
	8/12/2008 7:00	498	225	700	8.97	8.97		0.0134	5.88E-05	9.4027	3.4646	12.8674		
	8/12/2008 8:00	499	225	800	8.94	8.94		0.0168	7.77E-05	12.4263	4.5787	17.0050		
	8/12/2008 9:00	500	225	900	8.05	8.05		0.1292	9.58E-04	153.3213	56.4944	209.8157		
	8/12/2008 10:00	501	225	1000	6.165	6.165		0.4745	4.75E-03	760.4358	280.1982	1040.6340		
	8/12/2008 11:00	502	225	1100	5.561	5.561		0.6346	6.80E-03	1087.7904	400.8187	1488.6091		
	8/12/2008 12:00	503	225	1200	5.486	5.486		0.6569	7.09E-03	1135.1347	418.2637	1553.3984		
	8/12/2008 13:00	504	225	1300	5.48	5.48		0.6588	7.12E-03	1138.9948	419.6860	1558.6808		
	8/12/2008 14:00	505	225	1400	5.487	5.487		0.6566	7.09E-03	1134.4924	418.0271	1552.5195		
	8/12/2008 15:00	506	225	1500	5.488	5.488		0.6563	7.09E-03	1133.8504	417.7905	1551.6409		
	8/12/2008 16:00	507	225	1600	5.503	5.503		0.6518	7.03E-03	1124.2569	414.2556	1538.5124		
	8/12/2008 17:00	508	225	1700	5.527	5.527		0.6447	6.93E-03	1109.0471	408.6512	1517.6983		
	8/12/2008 18:00	509	225	1800	5.69	5.69		0.5975	6.31E-03	1010.1284	372.2026	1382.3310		
	8/12/2008 19:00	510	225	1900	5.842	5.842		0.5560	5.78E-03	924.3390	340.5917	1264.9307		
	8/12/2008 20:00	511	225	2000	6.411	6.411		0.4179	4.06E-03	650.3962	239.6519	890.0481		
	8/12/2008 21:00	512	225	2100	7.935	7.935		0.1456	1.11E-03	177.5683	65.4287	242.9970		
	8/12/2008 22:00	513	225	2200	8.64	8.64		0.0521	3.13E-04	50.1101	18.4641	68.5742		
	8/12/2008 23:00	514	225	2300	8.84	8.84		0.0283	1.48E-04	23.6293	8.7067	32.3360		
	8/13/2008 0:00	515	226	0	9	9	9.12	0.0100	4.11E-05	6.5716	2.4214	8.9930		
	8/13/2008 1:00	516	226	100	8.99	8.99		0.0111	4.68E-05	7.4919	2.7605	10.2524		
	8/13/2008 2:00	517	226	200	8.99	8.99		0.0111	4.68E-05	7.4919	2.7605	10.2524		
	8/13/2008 3:00	518	226	300	9.07	9.07		0.0022	6.39E-06	1.0219	0.3766	1.3985		
	8/13/2008 4:00	519	226	400	9.06	9.06		0.0033	1.05E-05	1.6857	0.6211	2.3068		
	8/13/2008 5:00	520	226	500	9.03	9.03		0.0066	2.48E-05	3.9730	1.4639	5.4370		
	8/13/2008 6:00	521	226	600	9.12	9.12		-0.0033	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 7:00	522	226	700	9.12	9.12		-0.0033	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 8:00	523	226	800	8.78	8.78		0.0353	1.94E-04	31.0523	11.4419	42.4942		
	8/13/2008 9:00	524	226	900	6.87	6.87		0.3231	2.96E-03	473.9538	174.6380	648.5918		
	8/13/2008 10:00	525	226	1000	5.782	5.782		0.5721	5.98E-03	957.4944	352.8085	1310.3029		
	8/13/2008 11:00	526	226	1100	5.704	5.704		0.5936	6.26E-03	1001.9750	369.1983	1371.1733		
	8/13/2008 12:00	527	226	1200	5.449	5.449		0.6682	7.24E-03	1159.1133	427.0991	1586.2124		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.004	5.004	9.50	0.8985	1.04E-02	2421.5040	892.2530	3313.7570		
W707EC2	7/22/2008 14:00	1	204	1400	5.544	5.544		0.7136	7.85E-03	1823.4410	671.8843	2495.3253		
	7/22/2008 15:00	2	204	1500	5.496	5.496		0.7285	8.06E-03	1870.6317	689.2727	2559.9045		
Probe #	7/22/2008 16:00	3	204	1600	5.457	5.457		0.7409	8.23E-03	1909.7548	703.6884	2613.4432		
	7/22/2008 17:00	4	204	1700	5.494	5.494		0.7292	8.07E-03	1872.6208	690.0057	2562.6265		
16	7/22/2008 18:00	5	204	1800	5.601	5.601		0.6961	7.62E-03	1768.7405	651.7288	2420.4693		
	7/22/2008 19:00	6	204	1900	5.795	5.795		0.6393	6.86E-03	1592.8509	586.9187	2179.7695		
	7/22/2008 20:00	7	204	2000	6.253	6.253		0.5193	5.31E-03	1233.0068	454.3267	1687.3334		
	7/22/2008 21:00	8	204	2100	7.849	7.849		0.2103	1.75E-03	405.3646	149.3649	554.7295		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.13	9.13		0.0405	2.30E-04	53.3866	19.6714	73.0580		
	7/22/2008 23:00	10	204	2300	9.5	9.5		0.0000	0.00E+00	0.0000	0.0000	0.0000		
11.2	7/23/2008 0:00	11	205	0	9.73	9.73	9.87	-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.8	9.8		-0.0306	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.83	9.83		-0.0336	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.87	9.87		-0.0375	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.85	9.85		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.77	9.77		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.61	9.61		-0.0114	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.22	9.22		0.0304	1.61E-04	37.4269	13.7907	51.2176		
	7/23/2008 8:00	19	205	800	8.24	8.24		0.1529	1.18E-03	273.7571	100.8714	374.6285		
	7/23/2008 9:00	20	205	900	6.851	6.851		0.3867	3.69E-03	857.6624	316.0233	1173.6857		
	7/23/2008 10:00	21	205	1000	5.846	5.846		0.6250	6.67E-03	1549.1037	570.7991	2119.9028		
	7/23/2008 11:00	22	205	1100	5.752	5.752		0.6516	7.02E-03	1630.5190	600.7983	2231.3172		
	7/23/2008 12:00	23	205	1200	5.642	5.642		0.6838	7.45E-03	1730.2680	637.5528	2367.8209		
	7/23/2008 13:00	24	205	1300	5.579	5.579		0.7028	7.71E-03	1789.6835	659.4457	2449.1293		
	7/23/2008 14:00	25	205	1400	5.577	5.577		0.7034	7.72E-03	1791.5980	660.1511	2451.7491		
	7/23/2008 15:00	26	205	1500	5.561	5.561		0.7083	7.78E-03	1806.9767	665.8177	2472.7944		
	7/23/2008 16:00	27	205	1600	5.74	5.74		0.6551	7.07E-03	1641.1615	604.7197	2245.8812		
	7/23/2008 17:00	28	205	1700	6.217	6.217		0.5281	5.42E-03	1258.7718	463.8204	1722.5922		
	7/23/2008 18:00	29	205	1800	6.964	6.964		0.3642	3.43E-03	796.6438	293.5398	1090.1836		
	7/23/2008 19:00	30	205	1900	6.918	6.918		0.3732	3.54E-03	821.1409	302.5662	1123.7071		
	7/23/2008 20:00	31	205	2000	7.345	7.345		0.2934	2.63E-03	610.5951	224.9863	835.5814		
	7/23/2008 21:00	32	205	2100	8.28	8.28		0.1473	1.13E-03	261.5346	96.3678	357.9025		
	7/23/2008 22:00	33	205	2200	8.87	8.87		0.0710	4.59E-04	106.5148	39.2476	145.7623		
	7/23/2008 23:00	34	205	2300	8.93	8.93		0.0638	4.02E-04	93.3898	34.4114	127.8012		
	7/24/2008 0:00	35	206	0	8.9	8.9	9.78	0.0674	4.30E-04	99.8897	36.8064	136.6961		
	7/24/2008 1:00	36	206	100	8.98	8.98		0.0579	3.57E-04	82.8386	30.5236	113.3621		
	7/24/2008 2:00	37	206	200	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	7/24/2008 3:00	38	206	300	9.23	9.23		0.0293	1.54E-04	35.7405	13.1693	48.9099		
	7/24/2008 4:00	39	206	400	9.33	9.33		0.0182	8.60E-05	19.9560	7.3532	27.3092		
	7/24/2008 5:00	40	206	500	9.47	9.47		0.0032	9.98E-06	2.3161	0.8534	3.1696		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.52	9.52		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.5	9.5		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.2	9.2		0.0326	1.76E-04	40.8535	15.0533	55.9068		
	7/24/2008 9:00	44	206	900	8.73	8.73		0.0882	5.99E-04	139.0584	51.2389	190.2973		
	7/24/2008 10:00	45	206	1000	8.77	8.77		0.0832	5.58E-04	129.4892	47.7130	177.2022		
	7/24/2008 11:00	46	206	1100	6.726	6.726		0.4124	4.00E-03	928.5621	342.1478	1270.7099		
	7/24/2008 12:00	47	206	1200	5.827	5.827		0.6303	6.74E-03	1565.2855	576.7616	2142.0471		
	7/24/2008 13:00	48	206	1300	6.159	6.159		0.5425	5.60E-03	1301.1294	479.4279	1780.5573		
	7/24/2008 14:00	49	206	1400	6.041	6.041		0.5726	5.99E-03	1390.6530	512.4147	1903.0677		
	7/24/2008 15:00	50	206	1500	5.696	5.696		0.6678	7.24E-03	1680.6800	619.2811	2299.9611		
	7/24/2008 16:00	51	206	1600	5.669	5.669		0.6758	7.35E-03	1705.3221	628.3610	2333.6831		
	7/24/2008 17:00	52	206	1700	5.884	5.884		0.6145	6.54E-03	1517.1473	559.0241	2076.1714		
	7/24/2008 18:00	53	206	1800	5.81	5.81		0.6351	6.81E-03	1579.8805	582.1395	2162.0200		
	7/24/2008 19:00	54	206	1900	6.172	6.172		0.5392	5.56E-03	1291.5433	475.8957	1767.4390		
	7/24/2008 20:00	55	206	2000	7.168	7.168		0.3253	2.99E-03	693.4171	255.5038	948.9208		
	7/24/2008 21:00	56	206	2100	8.64	8.64		0.0995	6.95E-04	161.3745	59.4617	220.8362		
	7/24/2008 22:00	57	206	2200	9.56	9.56		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	9.78	9.78		-0.0286	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.83	9.83	9.83	-0.0336	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.79	9.79		-0.0296	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.72	9.72		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.7	9.7		-0.0206	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.72	9.72		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9.72	9.72		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.69	9.69		-0.0196	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.65	9.65		-0.0155	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.6	9.6		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.48	9.48		0.0021	6.05E-06	1.4042	0.5174	1.9216		
	7/25/2008 10:00	69	207	1000	9.38	9.38		0.0128	5.56E-05	12.9124	4.7578	17.6702		
	7/25/2008 11:00	70	207	1100	8.36	8.36		0.1364	1.02E-03	237.7549	87.6057	325.3606		
	7/25/2008 12:00	71	207	1200	6.72	6.72		0.4137	4.01E-03	932.0585	343.4361	1275.4947		
	7/25/2008 13:00	72	207	1300	6.074	6.074		0.5640	5.88E-03	1365.1532	503.0188	1868.1720		
	7/25/2008 14:00	73	207	1400	5.638	5.638		0.6850	7.47E-03	1733.9899	638.9242	2372.9141		
	7/25/2008 15:00	74	207	1500	5.63	5.63		0.6874	7.50E-03	1741.4539	641.6745	2383.1284		
	7/25/2008 16:00	75	207	1600	5.777	5.777		0.6445	6.93E-03	1608.5306	592.6962	2201.2268		
	7/25/2008 17:00	76	207	1700	5.59	5.59		0.6995	7.66E-03	1779.1856	655.5775	2434.7632		
	7/25/2008 18:00	77	207	1800	5.678	5.678		0.6731	7.31E-03	1697.0745	625.3220	2322.3966		
	7/25/2008 19:00	78	207	1900	5.799	5.799		0.6382	6.85E-03	1589.3836	585.6411	2175.0247		
	7/25/2008 20:00	79	207	2000	6.661	6.661		0.4262	4.17E-03	966.9080	356.2772	1323.1852		
	7/25/2008 21:00	80	207	2100	8.29	8.29		0.1460	1.11E-03	258.5138	95.2547	353.7686		
	7/25/2008 22:00	81	207	2200	9.46	9.46		0.0042	1.42E-05	3.3047	1.2177	4.5224		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.66	9.66		-0.0166	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.66	9.66	9.66	-0.0166	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.63	9.63		-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.58	9.58		-0.0084	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.52	9.52		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.46	9.46		0.0042	1.42E-05	3.3047	1.2177	4.5224		
	7/26/2008 5:00	88	208	500	9.41	9.41		0.0096	3.89E-05	9.0261	3.3258	12.3519		
	7/26/2008 6:00	89	208	600	9.36	9.36		0.0150	6.74E-05	15.6516	5.7672	21.4187		
	7/26/2008 7:00	90	208	700	9.3	9.3		0.0215	1.05E-04	24.4727	9.0175	33.4901		
	7/26/2008 8:00	91	208	800	9.2	9.2		0.0326	1.76E-04	40.8535	15.0533	55.9068		
	7/26/2008 9:00	92	208	900	7.613	7.613		0.2479	2.14E-03	496.1301	182.8093	678.9395		
	7/26/2008 10:00	93	208	1000	6.079	6.079		0.5628	5.86E-03	1361.3214	501.6069	1862.9283		
	7/26/2008 11:00	94	208	1100	6.106	6.106		0.5558	5.78E-03	1340.7730	494.0354	1834.8084		
	7/26/2008 12:00	95	208	1200	6.364	6.364		0.4928	4.98E-03	1156.0129	425.9567	1581.9697		
	7/26/2008 13:00	96	208	1300	5.759	5.759		0.6496	7.00E-03	1624.3373	598.5205	2222.8578		
	7/26/2008 14:00	97	208	1400	5.671	5.671		0.6752	7.34E-03	1703.4864	627.6846	2331.1710		
	7/26/2008 15:00	98	208	1500	5.638	5.638		0.6850	7.47E-03	1733.9899	638.9242	2372.9141		
	7/26/2008 16:00	99	208	1600	5.729	5.729		0.6582	7.11E-03	1650.9677	608.3330	2259.3007		
	7/26/2008 17:00	100	208	1700	5.56	5.56		0.7086	7.79E-03	1807.9416	666.1733	2474.1148		
	7/26/2008 18:00	101	208	1800	5.745	5.745		0.6536	7.05E-03	1636.7201	603.0832	2239.8033		
	7/26/2008 19:00	102	208	1900	5.891	5.891		0.6126	6.51E-03	1511.3191	556.8766	2068.1957		
	7/26/2008 20:00	103	208	2000	6.503	6.503		0.4609	4.59E-03	1064.5694	392.2625	1456.8318		
	7/26/2008 21:00	104	208	2100	8.13	8.13		0.1685	1.33E-03	308.5298	113.6842	422.2140		
	7/26/2008 22:00	105	208	2200	9.17	9.17		0.0360	1.99E-04	46.1243	16.9954	63.1197		
	7/26/2008 23:00	106	208	2300	9.33	9.33		0.0182	8.60E-05	19.9560	7.3532	27.3092		
	7/27/2008 0:00	107	209	0	9.32	9.32	9.32	0.0193	9.23E-05	21.4390	7.8997	29.3387		
	7/27/2008 1:00	108	209	100	9.3	9.3		0.0215	1.05E-04	24.4727	9.0175	33.4901		
	7/27/2008 2:00	109	209	200	9.26	9.26		0.0259	1.33E-04	30.7934	11.3465	42.1399		
	7/27/2008 3:00	110	209	300	9.25	9.25		0.0270	1.40E-04	32.4235	11.9471	44.3705		
	7/27/2008 4:00	111	209	400	9.23	9.23		0.0293	1.54E-04	35.7405	13.1693	48.9099		
	7/27/2008 5:00	112	209	500	9.18	9.18		0.0349	1.91E-04	44.3502	16.3418	60.6920		
	7/27/2008 6:00	113	209	600	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	7/27/2008 7:00	114	209	700	8.99	8.99		0.0567	3.48E-04	80.7712	29.7618	110.5330		
	7/27/2008 8:00	115	209	800	8.64	8.64		0.0995	6.95E-04	161.3745	59.4617	220.8362		
	7/27/2008 9:00	116	209	900	6.323	6.323		0.5025	5.10E-03	1184.0291	436.2799	1620.3089		
	7/27/2008 10:00	117	209	1000	5.255	5.255		0.8078	9.15E-03	2124.2618	782.7279	2906.9897		
	7/27/2008 11:00	118	209	1100	5.233	5.233		0.8154	9.26E-03	2148.8912	791.8032	2940.6944		
	7/27/2008 12:00	119	209	1200	5.228	5.228		0.8171	9.28E-03	2154.5252	793.8791	2948.4043		
	7/27/2008 13:00	120	209	1300	5.35	5.35		0.7757	8.70E-03	2020.8278	744.6156	2765.4434		
	7/27/2008 14:00	121	209	1400	5.232	5.232		0.8157	9.26E-03	2150.0169	792.2180	2942.2349		
	7/27/2008 15:00	122	209	1500	5.259	5.259		0.8064	9.13E-03	2119.8115	781.0882	2900.8997		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.347	5.347		0.7767	8.72E-03	2024.0233	745.7930	2769.8164		
	7/27/2008 17:00	124	209	1700	5.381	5.381		0.7655	8.56E-03	1988.0713	732.5458	2720.6171		
	7/27/2008 18:00	125	209	1800	5.485	5.485		0.7320	8.11E-03	1881.5947	693.3123	2574.9070		
	7/27/2008 19:00	126	209	1900	5.647	5.647		0.6823	7.43E-03	1725.6253	635.8421	2361.4674		
	7/27/2008 20:00	127	209	2000	6.171	6.171		0.5395	5.57E-03	1292.2788	476.1667	1768.4455		
	7/27/2008 21:00	128	209	2100	7.477	7.477		0.2706	2.38E-03	552.6347	203.6296	756.2643		
	7/27/2008 22:00	129	209	2200	8.64	8.64		0.0995	6.95E-04	161.3745	59.4617	220.8362		
	7/27/2008 23:00	130	209	2300	8.83	8.83		0.0759	4.98E-04	115.5410	42.5735	158.1144		
	7/28/2008 0:00	131	210	0	8.86	8.86	9.21	0.0722	4.68E-04	108.7507	40.0714	148.8222		
	7/28/2008 1:00	132	210	100	8.99	8.99		0.0567	3.48E-04	80.7712	29.7618	110.5330		
	7/28/2008 2:00	133	210	200	9.03	9.03		0.0520	3.13E-04	72.6468	26.7682	99.4150		
	7/28/2008 3:00	134	210	300	9.13	9.13		0.0405	2.30E-04	53.3866	19.6714	73.0580		
	7/28/2008 4:00	135	210	400	9.07	9.07		0.0474	2.79E-04	64.7591	23.8618	88.6209		
	7/28/2008 5:00	136	210	500	9.17	9.17		0.0360	1.99E-04	46.1243	16.9954	63.1197		
	7/28/2008 6:00	137	210	600	9.21	9.21		0.0315	1.69E-04	39.1313	14.4187	53.5500		
	7/28/2008 7:00	138	210	700	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	7/28/2008 8:00	139	210	800	7.337	7.337		0.2948	2.65E-03	614.2100	226.3183	840.5283		
	7/28/2008 9:00	140	210	900	5.933	5.933		0.6012	6.36E-03	1476.7263	544.1302	2020.8565		
	7/28/2008 10:00	141	210	1000	5.584	5.584		0.7013	7.69E-03	1784.9052	657.6850	2442.5902		
	7/28/2008 11:00	142	210	1100	5.578	5.578		0.7031	7.71E-03	1790.6405	659.7983	2450.4389		
	7/28/2008 12:00	143	210	1200	5.631	5.631		0.6871	7.50E-03	1740.5194	641.3302	2381.8496		
	7/28/2008 13:00	144	210	1300	5.545	5.545		0.7133	7.85E-03	1822.4689	671.5262	2493.9951		
	7/28/2008 14:00	145	210	1400	5.511	5.511		0.7238	7.99E-03	1855.7719	683.7973	2539.5693		
	7/28/2008 15:00	146	210	1500	5.427	5.427		0.7505	8.36E-03	1940.3368	714.9570	2655.2937		
	7/28/2008 16:00	147	210	1600	5.494	5.494		0.7292	8.07E-03	1872.6208	690.0057	2562.6265		
	7/28/2008 17:00	148	210	1700	5.478	5.478		0.7342	8.14E-03	1888.6004	695.8937	2584.4941		
	7/28/2008 18:00	149	210	1800	5.605	5.605		0.6949	7.60E-03	1764.9553	650.3341	2415.2894		
	7/28/2008 19:00	150	210	1900	5.839	5.839		0.6270	6.70E-03	1555.0495	572.9900	2128.0395		
	7/28/2008 20:00	151	210	2000	6.514	6.514		0.4584	4.56E-03	1057.5589	389.6793	1447.2383		
	7/28/2008 21:00	152	210	2100	7.982	7.982		0.1902	1.54E-03	358.0648	131.9363	490.0011		
	7/28/2008 22:00	153	210	2200	8.6	8.6		0.1047	7.39E-04	171.6408	63.2446	234.8854		
	7/28/2008 23:00	154	210	2300	8.8	8.8		0.0795	5.27E-04	122.4540	45.1207	167.5748		
	7/29/2008 0:00	155	211	0	9.04	9.04	9.52	0.0509	3.04E-04	70.6524	26.0333	96.6858		
	7/29/2008 1:00	156	211	100	9.23	9.23		0.0293	1.54E-04	35.7405	13.1693	48.9099		
	7/29/2008 2:00	157	211	200	9.39	9.39		0.0117	4.99E-05	11.5856	4.2690	15.8546		
	7/29/2008 3:00	158	211	300	9.44	9.44		0.0064	2.35E-05	5.4579	2.0111	7.4690		
	7/29/2008 4:00	159	211	400	9.52	9.52		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 5:00	160	211	500	9.5	9.5		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	9.46	9.46		0.0042	1.42E-05	3.3047	1.2177	4.5224		
	7/29/2008 7:00	162	211	700	9.29	9.29		0.0226	1.12E-04	26.0220	9.5883	35.6103		
	7/29/2008 8:00	163	211	800	8.48	8.48		0.1203	8.78E-04	203.7263	75.0672	278.7935		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	6.733	6.733		0.4110	3.98E-03	924.4940	340.6488	1265.1428		
	7/29/2008 10:00	165	211	1000	5.909	5.909		0.6077	6.45E-03	1496.4150	551.3849	2047.7999		
	7/29/2008 11:00	166	211	1100	6.201	6.201		0.5320	5.47E-03	1270.3513	468.0871	1738.4384		
	7/29/2008 12:00	167	211	1200	5.692	5.692		0.6690	7.26E-03	1684.3117	620.6193	2304.9310		
	7/29/2008 13:00	168	211	1300	5.704	5.704		0.6655	7.21E-03	1673.4363	616.6120	2290.0483		
	7/29/2008 14:00	169	211	1400	5.547	5.547		0.7126	7.84E-03	1820.5261	670.8103	2491.3364		
	7/29/2008 15:00	170	211	1500	5.718	5.718		0.6614	7.15E-03	1660.8227	611.9643	2272.7869		
	7/29/2008 16:00	171	211	1600	5.91	5.91		0.6074	6.44E-03	1495.5905	551.0811	2046.6715		
	7/29/2008 17:00	172	211	1700	6.139	6.139		0.5475	5.67E-03	1315.9827	484.9009	1800.8835		
	7/29/2008 18:00	173	211	1800	6.138	6.138		0.5477	5.67E-03	1316.7287	485.1758	1801.9045		
	7/29/2008 19:00	174	211	1900	6.163	6.163		0.5415	5.59E-03	1298.1741	478.3390	1776.5131		
	7/29/2008 20:00	175	211	2000	7.105	7.105		0.3371	3.12E-03	724.3781	266.9120	991.2901		
	7/29/2008 21:00	176	211	2100	8.62	8.62		0.1021	7.17E-04	166.4809	61.3433	227.8242		
	7/29/2008 22:00	177	211	2200	9.27	9.27		0.0248	1.26E-04	29.1828	10.7530	39.9358		
	7/29/2008 23:00	178	211	2300	9.45	9.45		0.0053	1.88E-05	4.3550	1.6047	5.9597		
	7/30/2008 0:00	179	212	0	9.45	9.45	9.45	0.0053	1.88E-05	4.3550	1.6047	5.9597		
	7/30/2008 1:00	180	212	100	9.41	9.41		0.0096	3.89E-05	9.0261	3.3258	12.3519		
	7/30/2008 2:00	181	212	200	9.35	9.35		0.0160	7.35E-05	17.0614	6.2866	23.3480		
	7/30/2008 3:00	182	212	300	9.28	9.28		0.0237	1.19E-04	27.5922	10.1669	37.7591		
	7/30/2008 4:00	183	212	400	9.2	9.2		0.0326	1.76E-04	40.8535	15.0533	55.9068		
	7/30/2008 5:00	184	212	500	9.1	9.1		0.0440	2.54E-04	59.0026	21.7407	80.7434		
	7/30/2008 6:00	185	212	600	8.99	8.99		0.0567	3.48E-04	80.7712	29.7618	110.5330		
	7/30/2008 7:00	186	212	700	8.89	8.89		0.0686	4.40E-04	102.0842	37.6150	139.6992		
	7/30/2008 8:00	187	212	800	8.78	8.78		0.0820	5.48E-04	127.1306	46.8439	173.9745		
	7/30/2008 9:00	188	212	900	7.139	7.139		0.3307	3.05E-03	707.5696	260.7186	968.2882		
	7/30/2008 10:00	189	212	1000	5.283	5.283		0.7982	9.02E-03	2093.2881	771.3151	2864.6032		
	7/30/2008 11:00	190	212	1100	5.192	5.192		0.8297	9.46E-03	2195.4927	808.9744	3004.4671		
	7/30/2008 12:00	191	212	1200	5.288	5.288		0.7965	8.99E-03	2087.8006	769.2931	2857.0937		
	7/30/2008 13:00	192	212	1300	5.35	5.35		0.7757	8.70E-03	2020.8278	744.6156	2765.4434		
	7/30/2008 14:00	193	212	1400	5.375	5.375		0.7674	8.59E-03	1994.3740	734.8681	2729.2421		
	7/30/2008 15:00	194	212	1500	5.578	5.578		0.7031	7.71E-03	1790.6405	659.7983	2450.4389		
	7/30/2008 16:00	195	212	1600	5.499	5.499		0.7276	8.05E-03	1867.6515	688.1746	2555.8261		
	7/30/2008 17:00	196	212	1700	5.518	5.518		0.7216	7.96E-03	1848.8726	681.2551	2530.1278		
	7/30/2008 18:00	197	212	1800	5.669	5.669		0.6758	7.35E-03	1705.3221	628.3610	2333.6831		
	7/30/2008 19:00	198	212	1900	5.783	5.783		0.6427	6.91E-03	1603.2900	590.7652	2194.0551		
	7/30/2008 20:00	199	212	2000	6.421	6.421		0.4795	4.82E-03	1117.8642	411.9001	1529.7643		
	7/30/2008 21:00	200	212	2100	7.93	7.93		0.1980	1.62E-03	376.2381	138.6327	514.8708		
	7/30/2008 22:00	201	212	2200	8.83	8.83		0.0759	4.98E-04	115.5410	42.5735	158.1144		
	7/30/2008 23:00	202	212	2300	9.12	9.12		0.0417	2.38E-04	55.2428	20.3553	75.5981		
	7/31/2008 0:00	203	213	0	9.27	9.27	9.32	0.0248	1.26E-04	29.1828	10.7530	39.9358		
	7/31/2008 1:00	204	213	100	9.32	9.32		0.0193	9.23E-05	21.4390	7.8997	29.3387		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.29	9.29		0.0226	1.12E-04	26.0220	9.5883	35.6103		
	7/31/2008 3:00	206	213	300	9.25	9.25		0.0270	1.40E-04	32.4235	11.9471	44.3705		
	7/31/2008 4:00	207	213	400	9.21	9.21		0.0315	1.69E-04	39.1313	14.4187	53.5500		
	7/31/2008 5:00	208	213	500	9.14	9.14		0.0394	2.22E-04	51.5465	18.9934	70.5399		
	7/31/2008 6:00	209	213	600	9.08	9.08		0.0463	2.71E-04	62.8249	23.1491	85.9740		
	7/31/2008 7:00	210	213	700	9	9		0.0556	3.39E-04	78.7182	29.0053	107.7235		
	7/31/2008 8:00	211	213	800	8.79	8.79		0.0808	5.38E-04	124.7856	45.9798	170.7654		
	7/31/2008 9:00	212	213	900	6.857	6.857		0.3854	3.68E-03	854.3505	314.8030	1169.1535		
	7/31/2008 10:00	213	213	1000	5.281	5.281		0.7989	9.03E-03	2095.4868	772.1252	2867.6121		
	7/31/2008 11:00	214	213	1100	5.302	5.302		0.7918	8.93E-03	2072.5048	763.6570	2836.1619		
	7/31/2008 12:00	215	213	1200	5.191	5.191		0.8301	9.46E-03	2196.6409	809.3975	3006.0384		
	7/31/2008 13:00	216	213	1300	5.457	5.457		0.7409	8.23E-03	1909.7548	703.6884	2613.4432		
	7/31/2008 14:00	217	213	1400	5.235	5.235		0.8147	9.25E-03	2146.6414	790.9742	2937.6156		
	7/31/2008 15:00	218	213	1500	5.297	5.297		0.7935	8.95E-03	2077.9559	765.6656	2843.6215		
	7/31/2008 16:00	219	213	1600	5.41	5.41		0.7560	8.43E-03	1957.8579	721.4130	2679.2709		
	7/31/2008 17:00	220	213	1700	5.428	5.428		0.7502	8.35E-03	1939.3104	714.5788	2653.8893		
	7/31/2008 18:00	221	213	1800	5.552	5.552		0.7111	7.82E-03	1815.6770	669.0235	2484.7006		
	7/31/2008 19:00	222	213	1900	5.832	5.832		0.6289	6.72E-03	1561.0138	575.1877	2136.2015		
	7/31/2008 20:00	223	213	2000	6.702	6.702		0.4175	4.06E-03	942.6001	347.3204	1289.9205		
	7/31/2008 21:00	224	213	2100	7.697	7.697		0.2342	1.99E-03	462.7907	170.5247	633.3154		
	7/31/2008 22:00	225	213	2200	8.41	8.41		0.1296	9.62E-04	223.3386	82.2937	305.6323		
	7/31/2008 23:00	226	213	2300	8.38	8.38		0.1337	9.99E-04	231.9475	85.4658	317.4133		
	8/1/2008 0:00	227	214	0	8.68	8.68	9.32	0.0945	6.52E-04	151.3222	55.7578	207.0800		
	8/1/2008 1:00	228	214	100	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	8/1/2008 2:00	229	214	200	9.27	9.27		0.0248	1.26E-04	29.1828	10.7530	39.9358		
	8/1/2008 3:00	230	214	300	9.27	9.27		0.0248	1.26E-04	29.1828	10.7530	39.9358		
	8/1/2008 4:00	231	214	400	9.32	9.32		0.0193	9.23E-05	21.4390	7.8997	29.3387		
	8/1/2008 5:00	232	214	500	9.31	9.31		0.0204	9.88E-05	22.9448	8.4545	31.3993		
	8/1/2008 6:00	233	214	600	9.23	9.23		0.0293	1.54E-04	35.7405	13.1693	48.9099		
	8/1/2008 7:00	234	214	700	9.14	9.14		0.0394	2.22E-04	51.5465	18.9934	70.5399		
	8/1/2008 8:00	235	214	800	8.96	8.96		0.0603	3.75E-04	87.0164	32.0630	119.0794		
	8/1/2008 9:00	236	214	900	7.547	7.547		0.2588	2.25E-03	523.1544	192.7670	715.9213		
	8/1/2008 10:00	237	214	1000	5.613	5.613		0.6925	7.57E-03	1757.4056	647.5523	2404.9579		
	8/1/2008 11:00	238	214	1100	5.563	5.563		0.7077	7.78E-03	1805.0481	665.1071	2470.1552		
	8/1/2008 12:00	239	214	1200	5.583	5.583		0.7016	7.69E-03	1785.8600	658.0368	2443.8968		
	8/1/2008 13:00	240	214	1300	5.5	5.5		0.7273	8.04E-03	1866.6590	687.8089	2554.4679		
	8/1/2008 14:00	241	214	1400	5.461	5.461		0.7396	8.21E-03	1905.7094	702.1978	2607.9072		
	8/1/2008 15:00	242	214	1500	5.452	5.452		0.7425	8.25E-03	1914.8221	705.5556	2620.3776		
	8/1/2008 16:00	243	214	1600	5.564	5.564		0.7074	7.77E-03	1804.0845	664.7520	2468.8366		
	8/1/2008 17:00	244	214	1700	5.62	5.62		0.6904	7.54E-03	1750.8223	645.1265	2395.9487		
	8/1/2008 18:00	245	214	1800	5.7	5.7		0.6667	7.22E-03	1677.0549	617.9454	2295.0002		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.855	5.855		0.6225	6.64E-03	1541.4863	567.9923	2109.4786		
	8/1/2008 20:00	247	214	2000	6.697	6.697		0.4185	4.07E-03	945.5424	348.4045	1293.9469		
	8/1/2008 21:00	248	214	2100	8.41	8.41		0.1296	9.62E-04	223.3386	82.2937	305.6323		
	8/1/2008 22:00	249	214	2200	9.13	9.13		0.0405	2.30E-04	53.3866	19.6714	73.0580		
	8/1/2008 23:00	250	214	2300	9.28	9.28		0.0237	1.19E-04	27.5922	10.1669	37.7591		
	8/2/2008 0:00	251	215	0	9.29	9.29	9.47	0.0226	1.12E-04	26.0220	9.5883	35.6103		
	8/2/2008 1:00	252	215	100	9.38	9.38		0.0128	5.56E-05	12.9124	4.7578	17.6702		
	8/2/2008 2:00	253	215	200	9.45	9.45		0.0053	1.88E-05	4.3550	1.6047	5.9597		
	8/2/2008 3:00	254	215	300	9.47	9.47		0.0032	9.98E-06	2.3161	0.8534	3.1696		
	8/2/2008 4:00	255	215	400	9.37	9.37		0.0139	6.15E-05	14.2682	5.2574	19.5256		
	8/2/2008 5:00	256	215	500	9.33	9.33		0.0182	8.60E-05	19.9560	7.3532	27.3092		
	8/2/2008 6:00	257	215	600	9.31	9.31		0.0204	9.88E-05	22.9448	8.4545	31.3993		
	8/2/2008 7:00	258	215	700	9.15	9.15		0.0383	2.14E-04	49.7226	18.3213	68.0439		
	8/2/2008 8:00	259	215	800	7.721	7.721		0.2304	1.95E-03	453.4778	167.0932	620.5711		
	8/2/2008 9:00	260	215	900	5.956	5.956		0.5950	6.28E-03	1458.0525	537.2494	1995.3019		
	8/2/2008 10:00	261	215	1000	5.836	5.836		0.6278	6.71E-03	1557.6034	573.9310	2131.5344		
	8/2/2008 11:00	262	215	1100	5.692	5.692		0.6690	7.26E-03	1684.3117	620.6193	2304.9310		
	8/2/2008 12:00	263	215	1200	5.593	5.593		0.6986	7.65E-03	1776.3318	654.5260	2430.8577		
	8/2/2008 13:00	264	215	1300	5.55	5.55		0.7117	7.83E-03	1817.6153	669.7377	2487.3531		
	8/2/2008 14:00	265	215	1400	5.543	5.543		0.7139	7.86E-03	1824.4135	672.2427	2496.6562		
	8/2/2008 15:00	266	215	1500	5.541	5.541		0.7145	7.87E-03	1826.3599	672.9599	2499.3197		
	8/2/2008 16:00	267	215	1600	5.583	5.583		0.7016	7.69E-03	1785.8600	658.0368	2443.8968		
	8/2/2008 17:00	268	215	1700	5.616	5.616		0.6916	7.56E-03	1754.5816	646.5117	2401.0933		
	8/2/2008 18:00	269	215	1800	5.745	5.745		0.6536	7.05E-03	1636.7201	603.0832	2239.8033		
	8/2/2008 19:00	270	215	1900	5.915	5.915		0.6061	6.42E-03	1491.4733	549.5640	2041.0373		
	8/2/2008 20:00	271	215	2000	6.614	6.614		0.4363	4.29E-03	995.2885	366.7345	1362.0230		
	8/2/2008 21:00	272	215	2100	7.831	7.831		0.2131	1.77E-03	411.9745	151.8005	563.7750		
	8/2/2008 22:00	273	215	2200	8.79	8.79		0.0808	5.38E-04	124.7856	45.9798	170.7654		
	8/2/2008 23:00	274	215	2300	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	8/3/2008 0:00	275	216	0	8.97	8.97	9.35	0.0591	3.66E-04	84.9203	31.2906	116.2110		
	8/3/2008 1:00	276	216	100	8.74	8.74		0.0870	5.89E-04	136.6459	50.3500	186.9959		
	8/3/2008 2:00	277	216	200	8.96	8.96		0.0603	3.75E-04	87.0164	32.0630	119.0794		
	8/3/2008 3:00	278	216	300	9.18	9.18		0.0349	1.91E-04	44.3502	16.3418	60.6920		
	8/3/2008 4:00	279	216	400	9.28	9.28		0.0237	1.19E-04	27.5922	10.1669	37.7591		
	8/3/2008 5:00	280	216	500	9.35	9.35		0.0160	7.35E-05	17.0614	6.2866	23.3480		
	8/3/2008 6:00	281	216	600	9.2	9.2		0.0326	1.76E-04	40.8535	15.0533	55.9068		
	8/3/2008 7:00	282	216	700	8.95	8.95		0.0615	3.84E-04	89.1267	32.8406	121.9673		
	8/3/2008 8:00	283	216	800	7.7	7.7		0.2338	1.99E-03	461.6215	170.0939	631.7154		
	8/3/2008 9:00	284	216	900	5.893	5.893		0.6121	6.50E-03	1509.6572	556.2643	2065.9215		
	8/3/2008 10:00	285	216	1000	5.585	5.585		0.7010	7.68E-03	1783.9509	657.3334	2441.2842		
	8/3/2008 11:00	286	216	1100	5.543	5.543		0.7139	7.86E-03	1824.4135	672.2427	2496.6562		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.53	5.53		0.7179	7.91E-03	1837.0970	676.9162	2514.0132		
	8/3/2008 13:00	288	216	1300	5.5	5.5		0.7273	8.04E-03	1866.6590	687.8089	2554.4679		
	8/3/2008 14:00	289	216	1400	5.526	5.526		0.7191	7.93E-03	1841.0150	678.3598	2519.3748		
	8/3/2008 15:00	290	216	1500	5.598	5.598		0.6970	7.63E-03	1771.5840	652.7766	2424.3605		
	8/3/2008 16:00	291	216	1600	5.65	5.65		0.6814	7.42E-03	1722.8447	634.8176	2357.6623		
	8/3/2008 17:00	292	216	1700	5.647	5.647		0.6823	7.43E-03	1725.6253	635.8421	2361.4674		
	8/3/2008 18:00	293	216	1800	5.768	5.768		0.6470	6.96E-03	1616.4180	595.6025	2212.0205		
	8/3/2008 19:00	294	216	1900	5.858	5.858		0.6217	6.63E-03	1538.9539	567.0592	2106.0131		
	8/3/2008 20:00	295	216	2000	6.23	6.23		0.5249	5.38E-03	1249.4219	460.3752	1709.7971		
	8/3/2008 21:00	296	216	2100	7.158	7.158		0.3272	3.01E-03	698.2782	257.2950	955.5732		
	8/3/2008 22:00	297	216	2200	7.759	7.759		0.2244	1.89E-03	438.9227	161.7301	600.6528		
	8/3/2008 23:00	298	216	2300	7.875	7.875		0.2063	1.71E-03	395.9056	145.8796	541.7852		
	8/4/2008 0:00	299	217	0	7.916	7.916	9.06	0.2001	1.64E-03	381.2006	140.4612	521.6618		
	8/4/2008 1:00	300	217	100	7.954	7.954		0.1944	1.58E-03	367.7999	135.5234	503.3234		
	8/4/2008 2:00	301	217	200	7.578	7.578		0.2536	2.20E-03	510.3690	188.0560	698.4250		
	8/4/2008 3:00	302	217	300	7.348	7.348		0.2929	2.62E-03	609.2425	224.4879	833.7305		
	8/4/2008 4:00	303	217	400	7.101	7.101		0.3378	3.13E-03	726.3711	267.6464	994.0174		
	8/4/2008 5:00	304	217	500	7.311	7.311		0.2994	2.70E-03	626.0409	230.6777	856.7186		
	8/4/2008 6:00	305	217	600	7.775	7.775		0.2219	1.86E-03	432.8633	159.4974	592.3607		
	8/4/2008 7:00	306	217	700	7.89	7.89		0.2041	1.68E-03	390.4959	143.8862	534.3821		
	8/4/2008 8:00	307	217	800	7.685	7.685		0.2362	2.01E-03	467.4823	172.2535	639.7357		
	8/4/2008 9:00	308	217	900	7.304	7.304		0.3007	2.71E-03	629.2478	231.8593	861.1071		
	8/4/2008 10:00	309	217	1000	6.39	6.39		0.4867	4.90E-03	1138.4975	419.5028	1558.0004		
	8/4/2008 11:00	310	217	1100	5.827	5.827		0.6303	6.74E-03	1565.2855	576.7616	2142.0471		
	8/4/2008 12:00	311	217	1200	5.673	5.673		0.6746	7.33E-03	1701.6524	627.0088	2328.6612		
	8/4/2008 13:00	312	217	1300	5.655	5.655		0.6799	7.40E-03	1718.2188	633.1131	2351.3319		
	8/4/2008 14:00	313	217	1400	6.012	6.012		0.5802	6.09E-03	1413.3669	520.7841	1934.1509		
	8/4/2008 15:00	314	217	1500	6.373	6.373		0.4907	4.95E-03	1149.9281	423.7146	1573.6427		
	8/4/2008 16:00	315	217	1600	5.789	5.789		0.6410	6.88E-03	1598.0634	588.8393	2186.9027		
	8/4/2008 17:00	316	217	1700	5.76	5.76		0.6493	6.99E-03	1623.4558	598.1957	2221.6515		
	8/4/2008 18:00	317	217	1800	5.893	5.893		0.6121	6.50E-03	1509.6572	556.2643	2065.9215		
	8/4/2008 19:00	318	217	1900	6.113	6.113		0.5541	5.75E-03	1335.4848	492.0869	1827.5717		
	8/4/2008 20:00	319	217	2000	6.769	6.769		0.4035	3.89E-03	903.7576	333.0081	1236.7656		
	8/4/2008 21:00	320	217	2100	8.33	8.33		0.1405	1.06E-03	246.5690	90.8534	337.4224		
	8/4/2008 22:00	321	217	2200	8.92	8.92		0.0650	4.12E-04	95.5424	35.2046	130.7470		
	8/4/2008 23:00	322	217	2300	9.06	9.06		0.0486	2.87E-04	66.7085	24.5801	91.2886		
	8/5/2008 0:00	323	218	0	9.22	9.22	9.51	0.0304	1.61E-04	37.4269	13.7907	51.2176		
	8/5/2008 1:00	324	218	100	9.3	9.3		0.0215	1.05E-04	24.4727	9.0175	33.4901		
	8/5/2008 2:00	325	218	200	9.36	9.36		0.0150	6.74E-05	15.6516	5.7672	21.4187		
	8/5/2008 3:00	326	218	300	9.32	9.32		0.0193	9.23E-05	21.4390	7.8997	29.3387		
	8/5/2008 4:00	327	218	400	9.2	9.2		0.0326	1.76E-04	40.8535	15.0533	55.9068		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.22	9.22		0.0304	1.61E-04	37.4269	13.7907	51.2176		
	8/5/2008 6:00	329	218	600	9.29	9.29		0.0226	1.12E-04	26.0220	9.5883	35.6103		
	8/5/2008 7:00	330	218	700	9.32	9.32		0.0193	9.23E-05	21.4390	7.8997	29.3387		
	8/5/2008 8:00	331	218	800	9.18	9.18		0.0349	1.91E-04	44.3502	16.3418	60.6920		
	8/5/2008 9:00	332	218	900	7.718	7.718		0.2309	1.96E-03	454.6368	167.5203	622.1571		
	8/5/2008 10:00	333	218	1000	6.282	6.282		0.5123	5.22E-03	1212.5383	446.7847	1659.3230		
	8/5/2008 11:00	334	218	1100	6.505	6.505		0.4604	4.58E-03	1063.2923	391.7919	1455.0843		
	8/5/2008 12:00	335	218	1200	6.175	6.175		0.5385	5.55E-03	1289.3387	475.0834	1764.4221		
	8/5/2008 13:00	336	218	1300	5.784	5.784		0.6425	6.90E-03	1602.4179	590.4438	2192.8617		
	8/5/2008 14:00	337	218	1400	6.306	6.306		0.5065	5.15E-03	1195.7896	440.6133	1636.4028		
	8/5/2008 15:00	338	218	1500	6.766	6.766		0.4041	3.90E-03	905.4738	333.6404	1239.1143		
	8/5/2008 16:00	339	218	1600	6.633	6.633		0.4322	4.24E-03	983.7485	362.4824	1346.2309		
	8/5/2008 17:00	340	218	1700	6.102	6.102		0.5569	5.79E-03	1343.8021	495.1515	1838.9536		
	8/5/2008 18:00	341	218	1800	5.905	5.905		0.6088	6.46E-03	1499.7168	552.6015	2052.3183		
	8/5/2008 19:00	342	218	1900	6.085	6.085		0.5612	5.84E-03	1356.7343	499.9166	1856.6509		
	8/5/2008 20:00	343	218	2000	6.984	6.984		0.3603	3.39E-03	786.1367	289.6683	1075.8050		
	8/5/2008 21:00	344	218	2100	8.69	8.69		0.0932	6.41E-04	148.8426	54.8441	203.6868		
	8/5/2008 22:00	345	218	2200	9.35	9.35		0.0160	7.35E-05	17.0614	6.2866	23.3480		
	8/5/2008 23:00	346	218	2300	9.51	9.51		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.58	9.58	9.58	-0.0084	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.56	9.56		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.58	9.58		-0.0084	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.55	9.55		-0.0052	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	9.51	9.51		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	9.46	9.46		0.0042	1.42E-05	3.3047	1.2177	4.5224		
	8/6/2008 6:00	353	219	600	9.41	9.41		0.0096	3.89E-05	9.0261	3.3258	12.3519		
	8/6/2008 7:00	354	219	700	9.37	9.37		0.0139	6.15E-05	14.2682	5.2574	19.5256		
	8/6/2008 8:00	355	219	800	9.32	9.32		0.0193	9.23E-05	21.4390	7.8997	29.3387		
	8/6/2008 9:00	356	219	900	8.85	8.85		0.0734	4.78E-04	111.0005	40.9004	151.9009		
	8/6/2008 10:00	357	219	1000	6.351	6.351		0.4958	5.02E-03	1164.8433	429.2105	1594.0538		
	8/6/2008 11:00	358	219	1100	5.569	5.569		0.7059	7.75E-03	1799.2732	662.9792	2462.2524		
	8/6/2008 12:00	359	219	1200	6.172	6.172		0.5392	5.56E-03	1291.5433	475.8957	1767.4390		
	8/6/2008 13:00	360	219	1300	6.585	6.585		0.4427	4.36E-03	1013.0795	373.2900	1386.3694		
	8/6/2008 14:00	361	219	1400	6.092	6.092		0.5594	5.82E-03	1351.3977	497.9503	1849.3480		
	8/6/2008 15:00	362	219	1500	5.749	5.749		0.6525	7.03E-03	1633.1742	601.7766	2234.9509		
	8/6/2008 16:00	363	219	1600	5.836	5.836		0.6278	6.71E-03	1557.6034	573.9310	2131.5344		
	8/6/2008 17:00	364	219	1700	5.753	5.753		0.6513	7.02E-03	1629.6347	600.4724	2230.1071		
	8/6/2008 18:00	365	219	1800	6.22	6.22		0.5273	5.41E-03	1256.6095	463.0236	1719.6332		
	8/6/2008 19:00	366	219	1900	6.272	6.272		0.5147	5.25E-03	1219.5678	449.3748	1668.9426		
	8/6/2008 20:00	367	219	2000	6.713	6.713		0.4152	4.03E-03	936.1487	344.9432	1281.0919		
	8/6/2008 21:00	368	219	2100	8.16	8.16		0.1642	1.29E-03	298.8760	110.1270	409.0030		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	9.15	9.15		0.0383	2.14E-04	49.7226	18.3213	68.0439		
	8/6/2008 23:00	370	219	2300	9.33	9.33		0.0182	8.60E-05	19.9560	7.3532	27.3092		
	8/7/2008 0:00	371	220	0	9.42	9.42	9.44	0.0085	3.36E-05	7.7976	2.8732	10.6708		
	8/7/2008 1:00	372	220	100	9.44	9.44		0.0064	2.35E-05	5.4579	2.0111	7.4690		
	8/7/2008 2:00	373	220	200	9.38	9.38		0.0128	5.56E-05	12.9124	4.7578	17.6702		
	8/7/2008 3:00	374	220	300	9.33	9.33		0.0182	8.60E-05	19.9560	7.3532	27.3092		
	8/7/2008 4:00	375	220	400	9.27	9.27		0.0248	1.26E-04	29.1828	10.7530	39.9358		
	8/7/2008 5:00	376	220	500	9.22	9.22		0.0304	1.61E-04	37.4269	13.7907	51.2176		
	8/7/2008 6:00	377	220	600	9.17	9.17		0.0360	1.99E-04	46.1243	16.9954	63.1197		
	8/7/2008 7:00	378	220	700	9.13	9.13		0.0405	2.30E-04	53.3866	19.6714	73.0580		
	8/7/2008 8:00	379	220	800	9.1	9.1		0.0440	2.54E-04	59.0026	21.7407	80.7434		
	8/7/2008 9:00	380	220	900	7.901	7.901		0.2024	1.67E-03	386.5507	142.4326	528.9832		
	8/7/2008 10:00	381	220	1000	5.78	5.78		0.6436	6.92E-03	1605.9085	591.7300	2197.6385		
	8/7/2008 11:00	382	220	1100	5.318	5.318		0.7864	8.85E-03	2055.1482	757.2616	2812.4099		
	8/7/2008 12:00	383	220	1200	5.411	5.411		0.7557	8.43E-03	1956.8234	721.0318	2677.8552		
	8/7/2008 13:00	384	220	1300	5.432	5.432		0.7489	8.34E-03	1935.2100	713.0679	2648.2779		
	8/7/2008 14:00	385	220	1400	5.488	5.488		0.7310	8.09E-03	1878.5993	692.2085	2570.8078		
	8/7/2008 15:00	386	220	1500	5.562	5.562		0.7080	7.78E-03	1806.0122	665.4623	2471.4745		
	8/7/2008 16:00	387	220	1600	5.579	5.579		0.7028	7.71E-03	1789.6835	659.4457	2449.1293		
	8/7/2008 17:00	388	220	1700	5.555	5.555		0.7102	7.81E-03	1812.7729	667.9535	2480.7263		
	8/7/2008 18:00	389	220	1800	5.687	5.687		0.6705	7.27E-03	1688.8606	622.2954	2311.1560		
	8/7/2008 19:00	390	220	1900	5.94	5.94		0.5993	6.34E-03	1471.0229	542.0287	2013.0516		
	8/7/2008 20:00	391	220	2000	6.578	6.578		0.4442	4.38E-03	1017.4062	374.8843	1392.2905		
	8/7/2008 21:00	392	220	2100	8.07	8.07		0.1772	1.41E-03	328.2260	120.9416	449.1676		
	8/7/2008 22:00	393	220	2200	8.72	8.72		0.0894	6.09E-04	141.4843	52.1328	193.6171		
	8/7/2008 23:00	394	220	2300	9.03	9.03		0.0520	3.13E-04	72.6468	26.7682	99.4150		
	8/8/2008 0:00	395	221	0	9.14	9.14	9.24	0.0394	2.22E-04	51.5465	18.9934	70.5399		
	8/8/2008 1:00	396	221	100	9.1	9.1		0.0440	2.54E-04	59.0026	21.7407	80.7434		
	8/8/2008 2:00	397	221	200	9.23	9.23		0.0293	1.54E-04	35.7405	13.1693	48.9099		
	8/8/2008 3:00	398	221	300	9.24	9.24		0.0281	1.47E-04	34.0726	12.5548	46.6274		
	8/8/2008 4:00	399	221	400	9.14	9.14		0.0394	2.22E-04	51.5465	18.9934	70.5399		
	8/8/2008 5:00	400	221	500	9.02	9.02		0.0532	3.22E-04	74.6559	27.5085	102.1644		
	8/8/2008 6:00	401	221	600	8.93	8.93		0.0638	4.02E-04	93.3898	34.4114	127.8012		
	8/8/2008 7:00	402	221	700	8.85	8.85		0.0734	4.78E-04	111.0005	40.9004	151.9009		
	8/8/2008 8:00	403	221	800	8.59	8.59		0.1059	7.51E-04	174.2409	64.2026	238.4435		
	8/8/2008 9:00	404	221	900	6.464	6.464		0.4697	4.69E-03	1089.6874	401.5177	1491.2051		
	8/8/2008 10:00	405	221	1000	5.223	5.223		0.8189	9.31E-03	2160.1727	795.9601	2956.1328		
	8/8/2008 11:00	406	221	1100	5.255	5.255		0.8078	9.15E-03	2124.2618	782.7279	2906.9897		
	8/8/2008 12:00	407	221	1200	5.235	5.235		0.8147	9.25E-03	2146.6414	790.9742	2937.6156		
	8/8/2008 13:00	408	221	1300	5.267	5.267		0.8037	9.09E-03	2110.9366	777.8180	2888.7546		
	8/8/2008 14:00	409	221	1400	5.299	5.299		0.7928	8.94E-03	2075.7739	764.8616	2840.6355		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.354	5.354		0.7744	8.69E-03	2016.5742	743.0482	2759.6225		
	8/8/2008 16:00	411	221	1600	5.401	5.401		0.7589	8.47E-03	1967.1905	724.8518	2692.0423		
	8/8/2008 17:00	412	221	1700	5.556	5.556		0.7099	7.80E-03	1811.8057	667.5971	2479.4028		
	8/8/2008 18:00	413	221	1800	5.813	5.813		0.6343	6.79E-03	1577.2969	581.1875	2158.4844		
	8/8/2008 19:00	414	221	1900	5.808	5.808		0.6357	6.81E-03	1581.6049	582.7749	2164.3798		
	8/8/2008 20:00	415	221	2000	6.56	6.56		0.4482	4.43E-03	1028.5906	379.0054	1407.5960		
	8/8/2008 21:00	416	221	2100	7.849	7.849		0.2103	1.75E-03	405.3646	149.3649	554.7295		
	8/8/2008 22:00	417	221	2200	8.44	8.44		0.1256	9.25E-04	214.8521	79.1667	294.0188		
	8/8/2008 23:00	418	221	2300	8.57	8.57		0.1085	7.73E-04	179.4811	66.1335	245.6146		
	8/9/2008 0:00	419	222	0	8.55	8.55	9.13	0.1111	7.96E-04	184.7749	68.0841	252.8591		
	8/9/2008 1:00	420	222	100	8.52	8.52		0.1150	8.31E-04	192.8163	71.0471	263.8634		
	8/9/2008 2:00	421	222	200	8.54	8.54		0.1124	8.07E-04	187.4420	69.0669	256.5088		
	8/9/2008 3:00	422	222	300	8.52	8.52		0.1150	8.31E-04	192.8163	71.0471	263.8634		
	8/9/2008 4:00	423	222	400	8.5	8.5		0.1176	8.54E-04	198.2444	73.0472	271.2916		
	8/9/2008 5:00	424	222	500	8.36	8.36		0.1364	1.02E-03	237.7549	87.6057	325.3606		
	8/9/2008 6:00	425	222	600	8.35	8.35		0.1377	1.04E-03	240.6792	88.6832	329.3624		
	8/9/2008 7:00	426	222	700	7.968	7.968		0.1923	1.56E-03	362.9177	133.7245	496.6422		
	8/9/2008 8:00	427	222	800	7.264	7.264		0.3078	2.79E-03	647.7508	238.6771	886.4279		
	8/9/2008 9:00	428	222	900	7.863	7.863		0.2082	1.72E-03	400.2583	147.4834	547.7417		
	8/9/2008 10:00	429	222	1000	7.448	7.448		0.2755	2.43E-03	565.0997	208.2226	773.3224		
	8/9/2008 11:00	430	222	1100	6.82	6.82		0.3930	3.77E-03	874.9052	322.3768	1197.2820		
	8/9/2008 12:00	431	222	1200	6.069	6.069		0.5653	5.90E-03	1368.9933	504.4337	1873.4270		
	8/9/2008 13:00	432	222	1300	5.873	5.873		0.6176	6.57E-03	1526.3425	562.4123	2088.7548		
	8/9/2008 14:00	433	222	1400	5.464	5.464		0.7387	8.20E-03	1902.6803	701.0817	2603.7620		
	8/9/2008 15:00	434	222	1500	5.42	5.42		0.7528	8.39E-03	1947.5345	717.6091	2665.1436		
	8/9/2008 16:00	435	222	1600	5.521	5.521		0.7207	7.95E-03	1845.9226	680.1681	2526.0907		
	8/9/2008 17:00	436	222	1700	5.703	5.703		0.6658	7.21E-03	1674.3403	616.9451	2291.2855		
	8/9/2008 18:00	437	222	1800	5.757	5.757		0.6502	7.00E-03	1626.1015	599.1706	2225.2721		
	8/9/2008 19:00	438	222	1900	5.993	5.993		0.5852	6.15E-03	1428.4052	526.3253	1954.7305		
	8/9/2008 20:00	439	222	2000	6.657	6.657		0.4271	4.18E-03	969.3018	357.1592	1326.4610		
	8/9/2008 21:00	440	222	2100	8.38	8.38		0.1337	9.99E-04	231.9475	85.4658	317.4133		
	8/9/2008 22:00	441	222	2200	9.07	9.07		0.0474	2.79E-04	64.7591	23.8618	88.6209		
	8/9/2008 23:00	442	222	2300	9.13	9.13		0.0405	2.30E-04	53.3866	19.6714	73.0580		
	8/10/2008 0:00	443	223	0	9.1	9.1	9.10	0.0440	2.54E-04	59.0026	21.7407	80.7434		
	8/10/2008 1:00	444	223	100	9.07	9.07		0.0474	2.79E-04	64.7591	23.8618	88.6209		
	8/10/2008 2:00	445	223	200	9.01	9.01		0.0544	3.30E-04	76.6798	28.2542	104.9340		
	8/10/2008 3:00	446	223	300	9.02	9.02		0.0532	3.22E-04	74.6559	27.5085	102.1644		
	8/10/2008 4:00	447	223	400	9.01	9.01		0.0544	3.30E-04	76.6798	28.2542	104.9340		
	8/10/2008 5:00	448	223	500	8.96	8.96		0.0603	3.75E-04	87.0164	32.0630	119.0794		
	8/10/2008 6:00	449	223	600	8.93	8.93		0.0638	4.02E-04	93.3898	34.4114	127.8012		
	8/10/2008 7:00	450	223	700	8.91	8.91		0.0662	4.21E-04	97.7091	36.0029	133.7120		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	8.88	8.88		0.0698	4.49E-04	104.2926	38.4287	142.7213		
	8/10/2008 9:00	452	223	900	7.671	7.671		0.2384	2.04E-03	472.9856	174.2813	647.2668		
	8/10/2008 10:00	453	223	1000	5.684	5.684		0.6714	7.29E-03	1691.5948	623.3029	2314.8978		
	8/10/2008 11:00	454	223	1100	5.215	5.215		0.8217	9.34E-03	2169.2371	799.3000	2968.5371		
	8/10/2008 12:00	455	223	1200	5.354	5.354		0.7744	8.69E-03	2016.5742	743.0482	2759.6225		
	8/10/2008 13:00	456	223	1300	5.379	5.379		0.7661	8.57E-03	1990.1703	733.3192	2723.4894		
	8/10/2008 14:00	457	223	1400	5.39	5.39		0.7625	8.52E-03	1978.6507	729.0745	2707.7252		
	8/10/2008 15:00	458	223	1500	5.63	5.63		0.6874	7.50E-03	1741.4539	641.6745	2383.1284		
	8/10/2008 16:00	459	223	1600	5.508	5.508		0.7248	8.01E-03	1858.7357	684.8894	2543.6250		
	8/10/2008 17:00	460	223	1700	5.77	5.77		0.6464	6.96E-03	1614.6625	594.9556	2209.6181		
	8/10/2008 18:00	461	223	1800	8.38	8.38		0.1337	9.99E-04	231.9475	85.4658	317.4133		
	8/10/2008 19:00	462	223	1900	8.94	8.94		0.0626	3.93E-04	91.2512	33.6234	124.8746		
	8/10/2008 20:00	463	223	2000	8.74	8.74		0.0870	5.89E-04	136.6459	50.3500	186.9959		
	8/10/2008 21:00	464	223	2100	8.78	8.78		0.0820	5.48E-04	127.1306	46.8439	173.9745		
	8/10/2008 22:00	465	223	2200	8.88	8.88		0.0698	4.49E-04	104.2926	38.4287	142.7213		
	8/10/2008 23:00	466	223	2300	8.77	8.77		0.0832	5.58E-04	129.4892	47.7130	177.2022		
	8/11/2008 0:00	467	224	0	8.74	8.74	9.21	0.0870	5.89E-04	136.6459	50.3500	186.9959		
	8/11/2008 1:00	468	224	100	8.93	8.93		0.0638	4.02E-04	93.3898	34.4114	127.8012		
	8/11/2008 2:00	469	224	200	9.12	9.12		0.0417	2.38E-04	55.2428	20.3553	75.5981		
	8/11/2008 3:00	470	224	300	9.18	9.18		0.0349	1.91E-04	44.3502	16.3418	60.6920		
	8/11/2008 4:00	471	224	400	9.2	9.2		0.0326	1.76E-04	40.8535	15.0533	55.9068		
	8/11/2008 5:00	472	224	500	9.17	9.17		0.0360	1.99E-04	46.1243	16.9954	63.1197		
	8/11/2008 6:00	473	224	600	9.19	9.19		0.0337	1.83E-04	42.5932	15.6943	58.2876		
	8/11/2008 7:00	474	224	700	9.21	9.21		0.0315	1.69E-04	39.1313	14.4187	53.5500		
	8/11/2008 8:00	475	224	800	9.18	9.18		0.0349	1.91E-04	44.3502	16.3418	60.6920		
	8/11/2008 9:00	476	224	900	8.28	8.28		0.1473	1.13E-03	261.5346	96.3678	357.9025		
	8/11/2008 10:00	477	224	1000	6.301	6.301		0.5077	5.17E-03	1199.2648	441.8938	1641.1585		
	8/11/2008 11:00	478	224	1100	5.688	5.688		0.6702	7.27E-03	1687.9500	621.9599	2309.9099		
	8/11/2008 12:00	479	224	1200	5.726	5.726		0.6591	7.12E-03	1653.6506	609.3216	2262.9721		
	8/11/2008 13:00	480	224	1300	5.952	5.952		0.5961	6.29E-03	1461.2865	538.4411	1999.7276		
	8/11/2008 14:00	481	224	1400	5.69	5.69		0.6696	7.26E-03	1686.1300	621.2893	2307.4193		
	8/11/2008 15:00	482	224	1500	5.631	5.631		0.6871	7.50E-03	1740.5194	641.3302	2381.8496		
	8/11/2008 16:00	483	224	1600	5.877	5.877		0.6165	6.56E-03	1522.9936	561.1783	2084.1719		
	8/11/2008 17:00	484	224	1700	5.983	5.983		0.5878	6.19E-03	1436.3706	529.2603	1965.6309		
	8/11/2008 18:00	485	224	1800	6.317	6.317		0.5039	5.12E-03	1188.1701	437.8057	1625.9758		
	8/11/2008 19:00	486	224	1900	6.472	6.472		0.4679	4.67E-03	1084.5013	399.6068	1484.1081		
	8/11/2008 20:00	487	224	2000	7.188	7.188		0.3216	2.95E-03	683.7543	251.9434	935.6977		
	8/11/2008 21:00	488	224	2100	8.18	8.18		0.1614	1.26E-03	292.5114	107.7818	400.2932		
	8/11/2008 22:00	489	224	2200	8.72	8.72		0.0894	6.09E-04	141.4843	52.1328	193.6171		
	8/11/2008 23:00	490	224	2300	8.95	8.95		0.0615	3.84E-04	89.1267	32.8406	121.9673		
	8/12/2008 0:00	491	225	0	9.08	9.08	9.29	0.0463	2.71E-04	62.8249	23.1491	85.9740		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	9.01	9.01		0.0544	3.30E-04	76.6798	28.2542	104.9340		
	8/12/2008 2:00	493	225	200	8.28	8.28		0.1473	1.13E-03	261.5346	96.3678	357.9025		
	8/12/2008 3:00	494	225	300	8.4	8.4		0.1310	9.74E-04	226.1946	83.3460	309.5406		
	8/12/2008 4:00	495	225	400	8.69	8.69		0.0932	6.41E-04	148.8426	54.8441	203.6868		
	8/12/2008 5:00	496	225	500	8.92	8.92		0.0650	4.12E-04	95.5424	35.2046	130.7470		
	8/12/2008 6:00	497	225	600	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	8/12/2008 7:00	498	225	700	9.12	9.12		0.0417	2.38E-04	55.2428	20.3553	75.5981		
	8/12/2008 8:00	499	225	800	9.07	9.07		0.0474	2.79E-04	64.7591	23.8618	88.6209		
	8/12/2008 9:00	500	225	900	8.2	8.2		0.1585	1.23E-03	286.2036	105.4576	391.6611		
	8/12/2008 10:00	501	225	1000	6.393	6.393		0.4860	4.90E-03	1136.4889	418.7627	1555.2516		
	8/12/2008 11:00	502	225	1100	5.736	5.736		0.6562	7.08E-03	1644.7217	606.0316	2250.7533		
	8/12/2008 12:00	503	225	1200	5.671	5.671		0.6752	7.34E-03	1703.4864	627.6846	2331.1710		
	8/12/2008 13:00	504	225	1300	5.609	5.609		0.6937	7.59E-03	1761.1770	648.9419	2410.1189		
	8/12/2008 14:00	505	225	1400	5.611	5.611		0.6931	7.58E-03	1759.2905	648.2468	2407.5372		
	8/12/2008 15:00	506	225	1500	5.631	5.631		0.6871	7.50E-03	1740.5194	641.3302	2381.8496		
	8/12/2008 16:00	507	225	1600	5.669	5.669		0.6758	7.35E-03	1705.3221	628.3610	2333.6831		
	8/12/2008 17:00	508	225	1700	5.725	5.725		0.6594	7.13E-03	1654.5457	609.6514	2264.1970		
	8/12/2008 18:00	509	225	1800	5.828	5.828		0.6301	6.74E-03	1564.4304	576.4466	2140.8770		
	8/12/2008 19:00	510	225	1900	6.084	6.084		0.5615	5.85E-03	1357.4980	500.1980	1857.6960		
	8/12/2008 20:00	511	225	2000	6.756	6.756		0.4062	3.93E-03	911.2100	335.7541	1246.9641		
	8/12/2008 21:00	512	225	2100	8.47	8.47		0.1216	8.89E-04	206.4875	76.0846	282.5721		
	8/12/2008 22:00	513	225	2200	9.15	9.15		0.0383	2.14E-04	49.7226	18.3213	68.0439		
	8/12/2008 23:00	514	225	2300	9.29	9.29		0.0226	1.12E-04	26.0220	9.5883	35.6103		
	8/13/2008 0:00	515	226	0	9.37	9.37	9.42	0.0139	6.15E-05	14.2682	5.2574	19.5256		
	8/13/2008 1:00	516	226	100	9.36	9.36		0.0150	6.74E-05	15.6516	5.7672	21.4187		
	8/13/2008 2:00	517	226	200	9.37	9.37		0.0139	6.15E-05	14.2682	5.2574	19.5256		
	8/13/2008 3:00	518	226	300	9.42	9.42		0.0085	3.36E-05	7.7976	2.8732	10.6708		
	8/13/2008 4:00	519	226	400	9.4	9.4		0.0106	4.43E-05	10.2895	3.7914	14.0809		
	8/13/2008 5:00	520	226	500	9.4	9.4		0.0106	4.43E-05	10.2895	3.7914	14.0809		
	8/13/2008 6:00	521	226	600	9.42	9.42		0.0085	3.36E-05	7.7976	2.8732	10.6708		
	8/13/2008 7:00	522	226	700	9.4	9.4		0.0106	4.43E-05	10.2895	3.7914	14.0809		
	8/13/2008 8:00	523	226	800	9.09	9.09		0.0451	2.62E-04	60.9060	22.4421	83.3481		
	8/13/2008 9:00	524	226	900	7.211	7.211		0.3174	2.90E-03	672.7398	247.8848	920.6246		
	8/13/2008 10:00	525	226	1000	6.057	6.057		0.5684	5.94E-03	1378.2437	507.8422	1886.0859		
	8/13/2008 11:00	526	226	1100	5.959	5.959		0.5942	6.27E-03	1455.6306	536.3571	1991.9877		
	8/13/2008 12:00	527	226	1200	5.64	5.64		0.6844	7.46E-03	1732.1281	638.2382	2370.3663		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.115	5.115	9.25	0.8084	9.16E-03	2007.5701	739.7305	2747.3005		
W810EC1	7/22/2008 14:00	1	204	1400	5.669	5.669		0.6317	6.76E-03	1481.8055	546.0017	2027.8072		
	7/22/2008 15:00	2	204	1500	5.667	5.667		0.6323	6.77E-03	1483.4686	546.6145	2030.0831		
Probe #	7/22/2008 16:00	3	204	1600	5.635	5.635		0.6415	6.89E-03	1510.2861	556.4960	2066.7821		
	7/22/2008 17:00	4	204	1700	5.612	5.612		0.6483	6.98E-03	1529.8064	563.6886	2093.4950		
17	7/22/2008 18:00	5	204	1800	5.707	5.707		0.6208	6.62E-03	1450.4946	534.4646	1984.9592		
	7/22/2008 19:00	6	204	1900	5.83	5.83		0.5866	6.17E-03	1352.7778	498.4588	1851.2366		
	7/22/2008 20:00	7	204	2000	6.074	6.074		0.5229	5.36E-03	1174.1829	432.6518	1606.8348		
	7/22/2008 21:00	8	204	2100	7.364	7.364		0.2561	2.22E-03	487.7004	179.7032	667.4036		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.81	8.81		0.0499	2.97E-04	65.1933	24.0218	89.2152		
	7/22/2008 23:00	10	204	2300	9.25	9.25		0.0000	0.00E+00	0.0000	0.0000	0.0000		
10.9	7/23/2008 0:00	11	205	0	9.56	9.56	9.79	-0.0324	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.7	9.7		-0.0464	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.74	9.74		-0.0503	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.79	9.79		-0.0552	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.79	9.79		-0.0552	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.74	9.74		-0.0503	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.6	9.6		-0.0365	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.22	9.22		0.0033	1.03E-05	2.2601	0.8328	3.0929		
	7/23/2008 8:00	19	205	800	8.33	8.33		0.1104	7.90E-04	173.1758	63.8102	236.9860		
	7/23/2008 9:00	20	205	900	6.849	6.849		0.3506	3.27E-03	717.7679	264.4763	982.2443		
	7/23/2008 10:00	21	205	1000	5.91	5.91		0.5651	5.89E-03	1292.0700	476.0898	1768.1598		
	7/23/2008 11:00	22	205	1100	5.78	5.78		0.6003	6.35E-03	1391.8446	512.8538	1904.6984		
	7/23/2008 12:00	23	205	1200	5.698	5.698		0.6234	6.65E-03	1457.8613	537.1790	1995.0403		
	7/23/2008 13:00	24	205	1300	5.647	5.647		0.6380	6.84E-03	1500.1834	552.7734	2052.9568		
	7/23/2008 14:00	25	205	1400	5.642	5.642		0.6395	6.86E-03	1504.3861	554.3220	2058.7081		
	7/23/2008 15:00	26	205	1500	5.639	5.639		0.6404	6.87E-03	1506.9123	555.2528	2062.1652		
	7/23/2008 16:00	27	205	1600	5.748	5.748		0.6093	6.47E-03	1417.3150	522.2388	1939.5538		
	7/23/2008 17:00	28	205	1700	6.173	6.173		0.4985	5.05E-03	1107.0376	407.9108	1514.9483		
	7/23/2008 18:00	29	205	1800	6.827	6.827		0.3549	3.32E-03	728.7530	268.5240	997.2771		
	7/23/2008 19:00	30	205	1900	6.745	6.745		0.3714	3.52E-03	770.6086	283.9466	1054.5552		
	7/23/2008 20:00	31	205	2000	7.076	7.076		0.3072	2.78E-03	610.1773	224.8324	835.0096		
	7/23/2008 21:00	32	205	2100	7.906	7.906		0.1700	1.34E-03	294.4781	108.5065	402.9846		
	7/23/2008 22:00	33	205	2200	8.53	8.53		0.0844	5.67E-04	124.3817	45.8310	170.2127		
	7/23/2008 23:00	34	205	2300	8.57	8.57		0.0793	5.26E-04	115.2650	42.4718	157.7367		
	7/24/2008 0:00	35	206	0	8.54	8.54	9.67	0.0831	5.57E-04	122.0823	44.9837	167.0660		
	7/24/2008 1:00	36	206	100	8.63	8.63		0.0718	4.65E-04	101.9960	37.5825	139.5785		
	7/24/2008 2:00	37	206	200	8.76	8.76		0.0559	3.42E-04	74.9527	27.6179	102.5705		
	7/24/2008 3:00	38	206	300	8.91	8.91		0.0382	2.14E-04	46.8090	17.2477	64.0567		
	7/24/2008 4:00	39	206	400	9.07	9.07		0.0198	9.55E-05	20.9317	7.7127	28.6444		
	7/24/2008 5:00	40	206	500	9.21	9.21		0.0043	1.47E-05	3.2249	1.1883	4.4131		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.29	9.29		-0.0043	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.28	9.28		-0.0032	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	8.94	8.94		0.0347	1.90E-04	41.6052	15.3303	56.9356		
	7/24/2008 9:00	44	206	900	8.39	8.39		0.1025	7.21E-04	157.9774	58.2100	216.1874		
	7/24/2008 10:00	45	206	1000	8.44	8.44		0.0960	6.65E-04	145.6786	53.6783	199.3569		
	7/24/2008 11:00	46	206	1100	6.631	6.631		0.3950	3.79E-03	831.2647	306.2966	1137.5613		
	7/24/2008 12:00	47	206	1200	5.817	5.817		0.5902	6.22E-03	1362.8506	502.1703	1865.0209		
	7/24/2008 13:00	48	206	1300	6.039	6.039		0.5317	5.47E-03	1198.6285	441.6593	1640.2878		
	7/24/2008 14:00	49	206	1400	5.984	5.984		0.5458	5.65E-03	1237.8146	456.0983	1693.9129		
	7/24/2008 15:00	50	206	1500	5.701	5.701		0.6225	6.64E-03	1455.4024	536.2729	1991.6753		
	7/24/2008 16:00	51	206	1600	5.686	5.686		0.6268	6.70E-03	1467.7308	540.8156	2008.5463		
	7/24/2008 17:00	52	206	1700	5.81	5.81		0.5921	6.24E-03	1368.2988	504.1778	1872.4767		
	7/24/2008 18:00	53	206	1800	5.793	5.793		0.5968	6.30E-03	1381.6022	509.0798	1890.6820		
	7/24/2008 19:00	54	206	1900	6.078	6.078		0.5219	5.34E-03	1171.4131	431.6312	1603.0443		
	7/24/2008 20:00	55	206	2000	6.869	6.869		0.3466	3.23E-03	707.8695	260.8291	968.6986		
	7/24/2008 21:00	56	206	2100	8.22	8.22		0.1253	9.23E-04	202.2897	74.5378	276.8275		
	7/24/2008 22:00	57	206	2200	9.35	9.35		-0.0107	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	9.67	9.67		-0.0434	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.76	9.76	9.76	-0.0523	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.76	9.76		-0.0523	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.73	9.73		-0.0493	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.69	9.69		-0.0454	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.68	9.68		-0.0444	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9.69	9.69		-0.0454	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.73	9.73		-0.0493	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.71	9.71		-0.0474	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.7	9.7		-0.0464	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.65	9.65		-0.0415	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	9.53	9.53		-0.0294	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 11:00	70	207	1100	8.72	8.72		0.0608	3.79E-04	83.0207	30.5907	113.6113		
	7/25/2008 12:00	71	207	1200	7.332	7.332		0.2616	2.28E-03	500.5830	184.4501	685.0331		
	7/25/2008 13:00	72	207	1300	6.262	6.262		0.4772	4.79E-03	1049.1028	386.5635	1435.6664		
	7/25/2008 14:00	73	207	1400	5.825	5.825		0.5880	6.19E-03	1356.6450	499.8837	1856.5287		
	7/25/2008 15:00	74	207	1500	5.763	5.763		0.6051	6.41E-03	1405.3297	517.8226	1923.1523		
	7/25/2008 16:00	75	207	1600	5.834	5.834		0.5855	6.16E-03	1349.6904	497.3212	1847.0116		
	7/25/2008 17:00	76	207	1700	5.642	5.642		0.6395	6.86E-03	1504.3861	554.3220	2058.7081		
	7/25/2008 18:00	77	207	1800	5.719	5.719		0.6174	6.57E-03	1440.7193	530.8627	1971.5820		
	7/25/2008 19:00	78	207	1900	5.779	5.779		0.6006	6.35E-03	1392.6350	513.1450	1905.7800		
	7/25/2008 20:00	79	207	2000	6.418	6.418		0.4413	4.35E-03	952.7876	351.0742	1303.8617		
	7/25/2008 21:00	80	207	2100	7.943	7.943		0.1645	1.29E-03	282.8998	104.2402	387.1400		
	7/25/2008 22:00	81	207	2200	9.32	9.32		-0.0075	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.69	9.69		-0.0454	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.82	9.82	9.90	-0.0580	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.87	9.87		-0.0628	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.9	9.9		-0.0657	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.9	9.9		-0.0657	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.9	9.9		-0.0657	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.88	9.88		-0.0638	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	9.84	9.84		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	9.82	9.82		-0.0580	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	9.76	9.76		-0.0523	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 9:00	92	208	900	8.37	8.37		0.1051	7.44E-04	162.9902	60.0571	223.0473		
	7/26/2008 10:00	93	208	1000	6.417	6.417		0.4415	4.35E-03	953.3846	351.2942	1304.6787		
	7/26/2008 11:00	94	208	1100	6.289	6.289		0.4708	4.71E-03	1031.9652	380.2488	1412.2141		
	7/26/2008 12:00	95	208	1200	6.473	6.473		0.4290	4.20E-03	920.3420	339.1189	1259.4609		
	7/26/2008 13:00	96	208	1300	5.92	5.92		0.5625	5.86E-03	1284.6333	473.3495	1757.9828		
	7/26/2008 14:00	97	208	1400	5.798	5.798		0.5954	6.29E-03	1377.6789	507.6341	1885.3130		
	7/26/2008 15:00	98	208	1500	5.707	5.707		0.6208	6.62E-03	1450.4946	534.4646	1984.9592		
	7/26/2008 16:00	99	208	1600	5.748	5.748		0.6093	6.47E-03	1417.3150	522.2388	1939.5538		
	7/26/2008 17:00	100	208	1700	5.633	5.633		0.6421	6.90E-03	1511.9754	557.1184	2069.0938		
	7/26/2008 18:00	101	208	1800	5.722	5.722		0.6166	6.56E-03	1438.2838	529.9653	1968.2491		
	7/26/2008 19:00	102	208	1900	5.824	5.824		0.5883	6.19E-03	1357.4195	500.1691	1857.5886		
	7/26/2008 20:00	103	208	2000	6.326	6.326		0.4622	4.60E-03	1008.8032	371.7143	1380.5175		
	7/26/2008 21:00	104	208	2100	7.902	7.902		0.1706	1.35E-03	295.7415	108.9720	404.7136		
	7/26/2008 22:00	105	208	2200	9.27	9.27		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 23:00	106	208	2300	9.61	9.61		-0.0375	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	9.73	9.73	9.87	-0.0493	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	9.76	9.76		-0.0523	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	9.72	9.72		-0.0484	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	9.76	9.76		-0.0523	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	9.82	9.82		-0.0580	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	9.84	9.84		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	9.87	9.87		-0.0628	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	9.87	9.87		-0.0628	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 8:00	115	209	800	9.71	9.71		-0.0474	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 9:00	116	209	900	7.749	7.749		0.1937	1.58E-03	345.8132	127.4220	473.2352		
	7/27/2008 10:00	117	209	1000	5.885	5.885		0.5718	5.98E-03	1310.8079	482.9941	1793.8020		
	7/27/2008 11:00	118	209	1100	5.651	5.651		0.6369	6.83E-03	1496.8281	551.5371	2048.3652		
	7/27/2008 12:00	119	209	1200	5.521	5.521		0.6754	7.34E-03	1609.1062	592.9083	2202.0145		
	7/27/2008 13:00	120	209	1300	5.585	5.585		0.6562	7.08E-03	1552.9872	572.2301	2125.2172		
	7/27/2008 14:00	121	209	1400	5.428	5.428		0.7041	7.73E-03	1693.7001	624.0786	2317.7788		
	7/27/2008 15:00	122	209	1500	5.4	5.4		0.7130	7.85E-03	1719.9023	633.7334	2353.6356		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.448	5.448		0.6979	7.64E-03	1675.1950	617.2601	2292.4551		
	7/27/2008 17:00	124	209	1700	5.434	5.434		0.7022	7.70E-03	1688.1303	622.0263	2310.1566		
	7/27/2008 18:00	125	209	1800	5.507	5.507		0.6797	7.40E-03	1621.6065	597.5143	2219.1208		
	7/27/2008 19:00	126	209	1900	5.627	5.627		0.6439	6.92E-03	1517.0524	558.9891	2076.0415		
	7/27/2008 20:00	127	209	2000	5.912	5.912		0.5646	5.89E-03	1290.5800	475.5407	1766.1207		
	7/27/2008 21:00	128	209	2100	7.001	7.001		0.3212	2.94E-03	644.5926	237.5134	882.1060		
	7/27/2008 22:00	129	209	2200	8.44	8.44		0.0960	6.65E-04	145.6786	53.6783	199.3569		
	7/27/2008 23:00	130	209	2300	8.69	8.69		0.0644	4.07E-04	89.2205	32.8751	122.0956		
	7/28/2008 0:00	131	210	0	8.78	8.78	9.54	0.0535	3.24E-04	71.0050	26.1633	97.1683		
	7/28/2008 1:00	132	210	100	8.97	8.97		0.0312	1.67E-04	36.5546	13.4693	50.0239		
	7/28/2008 2:00	133	210	200	9.08	9.08		0.0187	8.89E-05	19.4831	7.1789	26.6620		
	7/28/2008 3:00	134	210	300	9.18	9.18		0.0076	2.94E-05	6.4481	2.3760	8.8241		
	7/28/2008 4:00	135	210	400	9.15	9.15		0.0109	4.58E-05	10.0431	3.7006	13.7437		
	7/28/2008 5:00	136	210	500	9.44	9.44		-0.0201	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 6:00	137	210	600	9.54	9.54		-0.0304	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 7:00	138	210	700	9.43	9.43		-0.0191	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 8:00	139	210	800	7.542	7.542		0.2265	1.91E-03	419.1650	154.4500	573.6149		
	7/28/2008 9:00	140	210	900	6.216	6.216		0.4881	4.92E-03	1078.7665	397.4937	1476.2602		
	7/28/2008 10:00	141	210	1000	5.78	5.78		0.6003	6.35E-03	1391.8446	512.8538	1904.6984		
	7/28/2008 11:00	142	210	1100	5.696	5.696		0.6239	6.66E-03	1459.5025	537.7837	1997.2862		
	7/28/2008 12:00	143	210	1200	5.745	5.745		0.6101	6.48E-03	1419.7218	523.1257	1942.8475		
	7/28/2008 13:00	144	210	1300	5.59	5.59		0.6547	7.07E-03	1548.6726	570.6403	2119.3129		
	7/28/2008 14:00	145	210	1400	5.527	5.527		0.6736	7.32E-03	1603.7739	590.9435	2194.7173		
	7/28/2008 15:00	146	210	1500	5.436	5.436		0.7016	7.69E-03	1686.2772	621.3435	2307.6207		
	7/28/2008 16:00	147	210	1600	5.473	5.473		0.6901	7.54E-03	1652.3070	608.8265	2261.1335		
	7/28/2008 17:00	148	210	1700	5.438	5.438		0.7010	7.68E-03	1684.4258	620.6613	2305.0871		
	7/28/2008 18:00	149	210	1800	5.515	5.515		0.6772	7.37E-03	1614.4535	594.8786	2209.3321		
	7/28/2008 19:00	150	210	1900	5.659	5.659		0.6346	6.80E-03	1490.1361	549.0713	2039.2074		
	7/28/2008 20:00	151	210	2000	6.16	6.16		0.5016	5.09E-03	1115.6895	411.0988	1526.7883		
	7/28/2008 21:00	152	210	2100	7.471	7.471		0.2381	2.03E-03	445.8776	164.2928	610.1704		
	7/28/2008 22:00	153	210	2200	8.14	8.14		0.1364	1.02E-03	224.4876	82.7171	307.2046		
	7/28/2008 23:00	154	210	2300	8.43	8.43		0.0973	6.76E-04	148.1117	54.5748	202.6865		
	7/29/2008 0:00	155	211	0	8.75	8.75	9.82	0.0571	3.51E-04	76.9482	28.3531	105.3014		
	7/29/2008 1:00	156	211	100	9.04	9.04		0.0232	1.16E-04	25.4090	9.3625	34.7714		
	7/29/2008 2:00	157	211	200	9.3	9.3		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 3:00	158	211	300	9.49	9.49		-0.0253	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 4:00	159	211	400	9.74	9.74		-0.0503	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 5:00	160	211	500	9.82	9.82		-0.0580	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	9.8	9.8		-0.0561	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 7:00	162	211	700	9.59	9.59		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 8:00	163	211	800	8.69	8.69		0.0644	4.07E-04	89.2205	32.8751	122.0956		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	6.83	6.83		0.3543	3.32E-03	727.2490	267.9699	995.2189		
	7/29/2008 10:00	165	211	1000	6.017	6.017		0.5373	5.54E-03	1214.1886	447.3928	1661.5814		
	7/29/2008 11:00	166	211	1100	6.186	6.186		0.4953	5.01E-03	1098.4346	404.7408	1503.1754		
	7/29/2008 12:00	167	211	1200	5.741	5.741		0.6112	6.49E-03	1422.9361	524.3101	1947.2461		
	7/29/2008 13:00	168	211	1300	5.706	5.706		0.6211	6.62E-03	1451.3117	534.7656	1986.0773		
	7/29/2008 14:00	169	211	1400	5.525	5.525		0.6742	7.32E-03	1605.5496	591.5978	2197.1474		
	7/29/2008 15:00	170	211	1500	5.61	5.61		0.6488	6.99E-03	1531.5136	564.3177	2095.8313		
	7/29/2008 16:00	171	211	1600	5.815	5.815		0.5907	6.22E-03	1364.4055	502.7433	1867.1487		
	7/29/2008 17:00	172	211	1700	6.01	6.01		0.5391	5.56E-03	1219.1714	449.2288	1668.4002		
	7/29/2008 18:00	173	211	1800	6.054	6.054		0.5279	5.42E-03	1188.1056	437.7820	1625.8876		
	7/29/2008 19:00	174	211	1900	6.011	6.011		0.5388	5.56E-03	1218.4586	448.9661	1667.4248		
	7/29/2008 20:00	175	211	2000	6.804	6.804		0.3595	3.38E-03	740.3471	272.7961	1013.1432		
	7/29/2008 21:00	176	211	2100	8.31	8.31		0.1131	8.14E-04	178.3487	65.7162	244.0649		
	7/29/2008 22:00	177	211	2200	9.23	9.23		0.0022	6.25E-06	1.3702	0.5049	1.8751		
	7/29/2008 23:00	178	211	2300	9.61	9.61		-0.0375	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 0:00	179	212	0	9.77	9.77	9.85	-0.0532	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	9.82	9.82		-0.0580	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 2:00	181	212	200	9.84	9.84		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 3:00	182	212	300	9.84	9.84		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 4:00	183	212	400	9.85	9.85		-0.0609	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 5:00	184	212	500	9.84	9.84		-0.0600	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 6:00	185	212	600	9.81	9.81		-0.0571	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 7:00	186	212	700	9.79	9.79		-0.0552	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 8:00	187	212	800	9.75	9.75		-0.0513	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 9:00	188	212	900	8.48	8.48		0.0908	6.21E-04	136.0796	50.1413	186.2210		
	7/30/2008 10:00	189	212	1000	6.11	6.11		0.5139	5.24E-03	1149.4286	423.5306	1572.9592		
	7/30/2008 11:00	190	212	1100	5.709	5.709		0.6202	6.61E-03	1448.8617	533.8629	1982.7246		
	7/30/2008 12:00	191	212	1200	5.672	5.672		0.6308	6.75E-03	1479.3138	545.0836	2024.3973		
	7/30/2008 13:00	192	212	1300	5.64	5.64		0.6401	6.87E-03	1506.0699	554.9424	2061.0123		
	7/30/2008 14:00	193	212	1400	5.574	5.574		0.6595	7.13E-03	1562.5145	575.7406	2138.2550		
	7/30/2008 15:00	194	212	1500	5.721	5.721		0.6169	6.57E-03	1439.0953	530.2643	1969.3596		
	7/30/2008 16:00	195	212	1600	5.617	5.617		0.6468	6.96E-03	1525.5452	562.1185	2087.6638		
	7/30/2008 17:00	196	212	1700	5.534	5.534		0.6715	7.29E-03	1597.5716	588.6581	2186.2297		
	7/30/2008 18:00	197	212	1800	5.627	5.627		0.6439	6.92E-03	1517.0524	558.9891	2076.0415		
	7/30/2008 19:00	198	212	1900	5.723	5.723		0.6163	6.56E-03	1437.4728	529.6664	1967.1392		
	7/30/2008 20:00	199	212	2000	6.175	6.175		0.4980	5.04E-03	1105.7109	407.4219	1513.1328		
	7/30/2008 21:00	200	212	2100	7.513	7.513		0.2312	1.96E-03	429.9774	158.4340	588.4114		
	7/30/2008 22:00	201	212	2200	8.66	8.66		0.0681	4.36E-04	95.5460	35.2059	130.7519		
	7/30/2008 23:00	202	212	2300	9.14	9.14		0.0120	5.16E-05	11.3086	4.1669	15.4755		
	7/31/2008 0:00	203	213	0	9.46	9.46	9.83	-0.0222	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 1:00	204	213	100	9.62	9.62		-0.0385	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.67	9.67		-0.0434	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	9.72	9.72		-0.0484	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	9.8	9.8		-0.0561	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	9.81	9.81		-0.0571	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	9.82	9.82		-0.0580	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 7:00	210	213	700	9.83	9.83		-0.0590	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 8:00	211	213	800	9.7	9.7		-0.0464	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 9:00	212	213	900	8.15	8.15		0.1350	1.01E-03	221.6653	81.6771	303.3424		
	7/31/2008 10:00	213	213	1000	5.927	5.927		0.5607	5.84E-03	1279.4473	471.4387	1750.8859		
	7/31/2008 11:00	214	213	1100	5.724	5.724		0.6160	6.55E-03	1436.6620	529.3677	1966.0297		
	7/31/2008 12:00	215	213	1200	5.515	5.515		0.6772	7.37E-03	1614.4535	594.8786	2209.3321		
	7/31/2008 13:00	216	213	1300	5.657	5.657		0.6351	6.81E-03	1491.8068	549.6869	2041.4937		
	7/31/2008 14:00	217	213	1400	5.366	5.366		0.7238	7.99E-03	1752.1895	645.6303	2397.8198		
	7/31/2008 15:00	218	213	1500	5.363	5.363		0.7248	8.01E-03	1755.0635	646.6892	2401.7527		
	7/31/2008 16:00	219	213	1600	5.426	5.426		0.7048	7.74E-03	1695.5602	624.7640	2320.3243		
	7/31/2008 17:00	220	213	1700	5.408	5.408		0.7104	7.81E-03	1712.3805	630.9618	2343.3424		
	7/31/2008 18:00	221	213	1800	5.503	5.503		0.6809	7.41E-03	1625.1931	598.8358	2224.0289		
	7/31/2008 19:00	222	213	1900	5.743	5.743		0.6107	6.48E-03	1421.3282	523.7176	1945.0458		
	7/31/2008 20:00	223	213	2000	6.406	6.406		0.4440	4.38E-03	959.9689	353.7203	1313.6891		
	7/31/2008 21:00	224	213	2100	7.306	7.306		0.2661	2.33E-03	511.1799	188.3547	699.5346		
	7/31/2008 22:00	225	213	2200	8.13	8.13		0.1378	1.04E-03	227.3235	83.7620	311.0855		
	7/31/2008 23:00	226	213	2300	8.24	8.24		0.1226	8.98E-04	196.8754	72.5428	269.4182		
	8/1/2008 0:00	227	214	0	8.61	8.61	9.75	0.0743	4.85E-04	106.3646	39.1922	145.5568		
	8/1/2008 1:00	228	214	100	9.14	9.14		0.0120	5.16E-05	11.3086	4.1669	15.4755		
	8/1/2008 2:00	229	214	200	9.44	9.44		-0.0201	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 3:00	230	214	300	9.51	9.51		-0.0273	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 4:00	231	214	400	9.65	9.65		-0.0415	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	9.74	9.74		-0.0503	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	9.75	9.75		-0.0513	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	9.72	9.72		-0.0484	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	9.54	9.54		-0.0304	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 9:00	236	214	900	8.05	8.05		0.1491	1.14E-03	250.5046	92.3036	342.8082		
	8/1/2008 10:00	237	214	1000	5.884	5.884		0.5721	5.98E-03	1311.5618	483.2719	1794.8337		
	8/1/2008 11:00	238	214	1100	5.703	5.703		0.6220	6.63E-03	1453.7650	535.6696	1989.4346		
	8/1/2008 12:00	239	214	1200	5.649	5.649		0.6375	6.84E-03	1498.5050	552.1550	2050.6599		
	8/1/2008 13:00	240	214	1300	5.54	5.54		0.6697	7.26E-03	1592.2714	586.7051	2178.9765		
	8/1/2008 14:00	241	214	1400	5.476	5.476		0.6892	7.53E-03	1649.5784	607.8211	2257.3995		
	8/1/2008 15:00	242	214	1500	5.432	5.432		0.7029	7.71E-03	1689.9851	622.7098	2312.6949		
	8/1/2008 16:00	243	214	1600	5.509	5.509		0.6791	7.39E-03	1619.8158	596.8544	2216.6702		
	8/1/2008 17:00	244	214	1700	5.547	5.547		0.6676	7.24E-03	1586.1065	584.4336	2170.5401		
	8/1/2008 18:00	245	214	1800	5.595	5.595		0.6533	7.05E-03	1544.3680	569.0541	2113.4221		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.754	5.754		0.6076	6.44E-03	1412.5111	520.4688	1932.9798		
	8/1/2008 20:00	247	214	2000	6.411	6.411		0.4428	4.37E-03	956.9721	352.6161	1309.5882		
	8/1/2008 21:00	248	214	2100	8.14	8.14		0.1364	1.02E-03	224.4876	82.7171	307.2046		
	8/1/2008 22:00	249	214	2200	9.14	9.14		0.0120	5.16E-05	11.3086	4.1669	15.4755		
	8/1/2008 23:00	250	214	2300	9.38	9.38		-0.0139	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 0:00	251	215	0	9.45	9.45	9.73	-0.0212	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	9.54	9.54		-0.0304	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	9.66	9.66		-0.0424	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.73	9.73		-0.0493	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.64	9.64		-0.0405	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.6	9.6		-0.0365	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.6	9.6		-0.0365	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.41	9.41		-0.0170	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 8:00	259	215	800	8	8		0.1563	1.21E-03	265.4427	97.8078	363.2505		
	8/2/2008 9:00	260	215	900	6.161	6.161		0.5014	5.09E-03	1115.0223	410.8529	1525.8751		
	8/2/2008 10:00	261	215	1000	5.963	5.963		0.5512	5.72E-03	1253.0303	461.7048	1714.7351		
	8/2/2008 11:00	262	215	1100	5.759	5.759		0.6062	6.43E-03	1408.5178	518.9974	1927.5152		
	8/2/2008 12:00	263	215	1200	5.615	5.615		0.6474	6.97E-03	1527.2485	562.7461	2089.9946		
	8/2/2008 13:00	264	215	1300	5.53	5.53		0.6727	7.30E-03	1601.1133	589.9631	2191.0764		
	8/2/2008 14:00	265	215	1400	5.46	5.46		0.6941	7.59E-03	1664.1752	613.1996	2277.3748		
	8/2/2008 15:00	266	215	1500	5.431	5.431		0.7032	7.71E-03	1690.9132	623.0518	2313.9650		
	8/2/2008 16:00	267	215	1600	5.464	5.464		0.6929	7.58E-03	1660.5158	611.8512	2272.3669		
	8/2/2008 17:00	268	215	1700	5.453	5.453		0.6963	7.62E-03	1670.5959	615.5654	2286.1613		
	8/2/2008 18:00	269	215	1800	5.56	5.56		0.6637	7.18E-03	1574.7105	580.2345	2154.9450		
	8/2/2008 19:00	270	215	1900	5.712	5.712		0.6194	6.60E-03	1446.4151	532.9614	1979.3765		
	8/2/2008 20:00	271	215	2000	6.263	6.263		0.4769	4.78E-03	1048.4645	386.3283	1434.7928		
	8/2/2008 21:00	272	215	2100	7.38	7.38		0.2534	2.20E-03	481.3245	177.3539	658.6784		
	8/2/2008 22:00	273	215	2200	8.5	8.5		0.0882	5.99E-04	131.3603	48.4024	179.7627		
	8/2/2008 23:00	274	215	2300	8.93	8.93		0.0358	1.98E-04	43.3231	15.9633	59.2864		
	8/3/2008 0:00	275	216	0	8.81	8.81	9.38	0.0499	2.97E-04	65.1933	24.0218	89.2152		
	8/3/2008 1:00	276	216	100	8.53	8.53		0.0844	5.67E-04	124.3817	45.8310	170.2127		
	8/3/2008 2:00	277	216	200	8.79	8.79		0.0523	3.15E-04	69.0531	25.4440	94.4971		
	8/3/2008 3:00	278	216	300	9.12	9.12		0.0143	6.35E-05	13.9280	5.1321	19.0601		
	8/3/2008 4:00	279	216	400	9.3	9.3		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	9.38	9.38		-0.0139	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	9.06	9.06		0.0210	1.02E-04	22.4026	8.2547	30.6574		
	8/3/2008 7:00	282	216	700	8.57	8.57		0.0793	5.26E-04	115.2650	42.4718	157.7367		
	8/3/2008 8:00	283	216	800	7.477	7.477		0.2371	2.02E-03	443.5886	163.4493	607.0379		
	8/3/2008 9:00	284	216	900	5.977	5.977		0.5476	5.67E-03	1242.8708	457.9613	1700.8321		
	8/3/2008 10:00	285	216	1000	5.615	5.615		0.6474	6.97E-03	1527.2485	562.7461	2089.9946		
	8/3/2008 11:00	286	216	1100	5.439	5.439		0.7007	7.68E-03	1683.5008	620.3205	2303.8212		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.395	5.395		0.7146	7.87E-03	1724.6178	635.4709	2360.0887		
	8/3/2008 13:00	288	216	1300	5.316	5.316		0.7400	8.21E-03	1800.6293	663.4789	2464.1083		
	8/3/2008 14:00	289	216	1400	5.353	5.353		0.7280	8.05E-03	1764.6731	650.2301	2414.9031		
	8/3/2008 15:00	290	216	1500	5.425	5.425		0.7051	7.74E-03	1696.4910	625.1070	2321.5980		
	8/3/2008 16:00	291	216	1600	5.485	5.485		0.6864	7.49E-03	1641.4157	604.8134	2246.2291		
	8/3/2008 17:00	292	216	1700	5.494	5.494		0.6837	7.45E-03	1633.2873	601.8183	2235.1056		
	8/3/2008 18:00	293	216	1800	5.556	5.556		0.6649	7.20E-03	1578.2096	581.5238	2159.7334		
	8/3/2008 19:00	294	216	1900	5.669	5.669		0.6317	6.76E-03	1481.8055	546.0017	2027.8072		
	8/3/2008 20:00	295	216	2000	5.905	5.905		0.5665	5.91E-03	1295.8008	477.4645	1773.2653		
	8/3/2008 21:00	296	216	2100	6.717	6.717		0.3771	3.58E-03	785.2364	289.3365	1074.5728		
	8/3/2008 22:00	297	216	2200	7.359	7.359		0.2570	2.23E-03	489.7018	180.4407	670.1424		
	8/3/2008 23:00	298	216	2300	7.487	7.487		0.2355	2.01E-03	439.7866	162.0484	601.8350		
	8/4/2008 0:00	299	217	0	7.533	7.533	8.93	0.2279	1.93E-03	422.5061	155.6811	578.1872		
	8/4/2008 1:00	300	217	100	7.596	7.596		0.2177	1.82E-03	399.3884	147.1629	546.5513		
	8/4/2008 2:00	301	217	200	7.261	7.261		0.2739	2.42E-03	529.7990	195.2153	725.0143		
	8/4/2008 3:00	302	217	300	7.064	7.064		0.3095	2.81E-03	615.6109	226.8345	842.4453		
	8/4/2008 4:00	303	217	400	6.853	6.853		0.3498	3.27E-03	715.7816	263.7444	979.5260		
	8/4/2008 5:00	304	217	500	7.02	7.02		0.3177	2.90E-03	635.7709	234.2629	870.0337		
	8/4/2008 6:00	305	217	600	7.436	7.436		0.2439	2.10E-03	459.3482	169.2563	628.6045		
	8/4/2008 7:00	306	217	700	7.453	7.453		0.2411	2.07E-03	452.7802	166.8362	619.6163		
	8/4/2008 8:00	307	217	800	7.315	7.315		0.2645	2.32E-03	507.4985	186.9983	694.4968		
	8/4/2008 9:00	308	217	900	7.101	7.101		0.3026	2.73E-03	598.9451	220.6937	819.6388		
	8/4/2008 10:00	309	217	1000	6.305	6.305		0.4671	4.66E-03	1021.9037	376.5414	1398.4452		
	8/4/2008 11:00	310	217	1100	5.732	5.732		0.6137	6.52E-03	1430.1895	526.9827	1957.1723		
	8/4/2008 12:00	311	217	1200	5.477	5.477		0.6889	7.52E-03	1648.6698	607.4863	2256.1561		
	8/4/2008 13:00	312	217	1300	5.411	5.411		0.7095	7.80E-03	1709.5672	629.9252	2339.4924		
	8/4/2008 14:00	313	217	1400	5.762	5.762		0.6053	6.41E-03	1406.1262	518.1161	1924.2423		
	8/4/2008 15:00	314	217	1500	6.242	6.242		0.4819	4.84E-03	1061.9273	391.2890	1453.2163		
	8/4/2008 16:00	315	217	1600	5.708	5.708		0.6205	6.61E-03	1449.6780	534.1637	1983.8417		
	8/4/2008 17:00	316	217	1700	5.604	5.604		0.6506	7.01E-03	1536.6447	566.2083	2102.8530		
	8/4/2008 18:00	317	217	1800	5.682	5.682		0.6279	6.71E-03	1471.0326	542.0322	2013.0648		
	8/4/2008 19:00	318	217	1900	5.899	5.899		0.5681	5.93E-03	1300.2889	479.1182	1779.4071		
	8/4/2008 20:00	319	217	2000	6.403	6.403		0.4446	4.39E-03	961.7700	354.3839	1316.1539		
	8/4/2008 21:00	320	217	2100	7.952	7.952		0.1632	1.28E-03	280.1129	103.2133	383.3262		
	8/4/2008 22:00	321	217	2200	8.74	8.74		0.0584	3.60E-04	78.9581	29.0937	108.0518		
	8/4/2008 23:00	322	217	2300	8.93	8.93		0.0358	1.98E-04	43.3231	15.9633	59.2864		
	8/5/2008 0:00	323	218	0	9.14	9.14	9.59	0.0120	5.16E-05	11.3086	4.1669	15.4755		
	8/5/2008 1:00	324	218	100	9.27	9.27		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 2:00	325	218	200	9.39	9.39		-0.0149	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	9.35	9.35		-0.0107	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 4:00	327	218	400	9.18	9.18		0.0076	2.94E-05	6.4481	2.3760	8.8241		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.15	9.15		0.0109	4.58E-05	10.0431	3.7006	13.7437		
	8/5/2008 6:00	329	218	600	9.25	9.25		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 7:00	330	218	700	9.33	9.33		-0.0086	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	9.21	9.21		0.0043	1.47E-05	3.2249	1.1883	4.4131		
	8/5/2008 9:00	332	218	900	7.797	7.797		0.1864	1.50E-03	329.7346	121.4975	451.2321		
	8/5/2008 10:00	333	218	1000	6.247	6.247		0.4807	4.83E-03	1058.7107	390.1037	1448.8145		
	8/5/2008 11:00	334	218	1100	6.407	6.407		0.4437	4.38E-03	959.3690	353.4992	1312.8682		
	8/5/2008 12:00	335	218	1200	6.095	6.095		0.5176	5.29E-03	1159.6953	427.3136	1587.0089		
	8/5/2008 13:00	336	218	1300	5.69	5.69		0.6257	6.68E-03	1464.4349	539.6012	2004.0361		
	8/5/2008 14:00	337	218	1400	6.149	6.149		0.5043	5.12E-03	1123.0489	413.8105	1536.8594		
	8/5/2008 15:00	338	218	1500	6.57	6.57		0.4079	3.95E-03	864.9466	318.7074	1183.6540		
	8/5/2008 16:00	339	218	1600	6.485	6.485		0.4264	4.17E-03	913.3639	336.5477	1249.9117		
	8/5/2008 17:00	340	218	1700	6.033	6.033		0.5332	5.49E-03	1202.8572	443.2175	1646.0746		
	8/5/2008 18:00	341	218	1800	5.842	5.842		0.5834	6.13E-03	1343.5321	495.0520	1838.5842		
	8/5/2008 19:00	342	218	1900	5.918	5.918		0.5630	5.87E-03	1286.1180	473.8966	1760.0146		
	8/5/2008 20:00	343	218	2000	6.59	6.59		0.4036	3.90E-03	853.8069	314.6027	1168.4097		
	8/5/2008 21:00	344	218	2100	8.38	8.38		0.1038	7.32E-04	160.4771	59.1311	219.6082		
	8/5/2008 22:00	345	218	2200	9.36	9.36		-0.0118	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	9.59	9.59		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.72	9.72	9.73	-0.0484	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.72	9.72		-0.0484	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.73	9.73		-0.0493	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.73	9.73		-0.0493	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	9.71	9.71		-0.0474	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	9.68	9.68		-0.0444	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	9.64	9.64		-0.0405	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	9.61	9.61		-0.0375	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	9.54	9.54		-0.0304	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 9:00	356	219	900	9.03	9.03		0.0244	1.23E-04	26.9432	9.9278	36.8710		
	8/6/2008 10:00	357	219	1000	6.471	6.471		0.4295	4.20E-03	921.5085	339.5488	1261.0572		
	8/6/2008 11:00	358	219	1100	5.549	5.549		0.6670	7.23E-03	1584.3488	583.7859	2168.1347		
	8/6/2008 12:00	359	219	1200	5.99	5.99		0.5442	5.63E-03	1233.4933	454.5060	1687.9992		
	8/6/2008 13:00	360	219	1300	6.308	6.308		0.4664	4.65E-03	1020.0249	375.8492	1395.8741		
	8/6/2008 14:00	361	219	1400	5.94	5.94		0.5572	5.79E-03	1269.8589	467.9056	1737.7646		
	8/6/2008 15:00	362	219	1500	5.692	5.692		0.6251	6.67E-03	1462.7893	538.9948	2001.7841		
	8/6/2008 16:00	363	219	1600	5.745	5.745		0.6101	6.48E-03	1419.7218	523.1257	1942.8475		
	8/6/2008 17:00	364	219	1700	5.688	5.688		0.6262	6.69E-03	1466.0821	540.2081	2006.2902		
	8/6/2008 18:00	365	219	1800	6.097	6.097		0.5171	5.28E-03	1158.3225	426.8078	1585.1303		
	8/6/2008 19:00	366	219	1900	6.192	6.192		0.4939	4.99E-03	1094.4804	403.2838	1497.7642		
	8/6/2008 20:00	367	219	2000	6.429	6.429		0.4388	4.32E-03	946.2371	348.6605	1294.8976		
	8/6/2008 21:00	368	219	2100	7.579	7.579		0.2205	1.85E-03	405.5646	149.4386	555.0033		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.9	8.9		0.0393	2.22E-04	48.5766	17.8990	66.4756		
	8/6/2008 23:00	370	219	2300	9.24	9.24		0.0011	2.66E-06	0.5830	0.2148	0.7978		
	8/7/2008 0:00	371	220	0	9.48	9.48	9.67	-0.0243	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	9.66	9.66		-0.0424	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	9.67	9.67		-0.0434	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	9.64	9.64		-0.0405	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	9.59	9.59		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	9.53	9.53		-0.0294	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	9.46	9.46		-0.0222	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 7:00	378	220	700	9.4	9.4		-0.0160	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 8:00	379	220	800	9.34	9.34		-0.0096	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 9:00	380	220	900	8.32	8.32		0.1118	8.02E-04	175.7555	64.7607	240.5163		
	8/7/2008 10:00	381	220	1000	5.946	5.946		0.5557	5.77E-03	1265.4522	466.2819	1731.7342		
	8/7/2008 11:00	382	220	1100	5.293	5.293		0.7476	8.32E-03	1823.3033	671.8336	2495.1368		
	8/7/2008 12:00	383	220	1200	5.295	5.295		0.7469	8.31E-03	1821.3217	671.1034	2492.4251		
	8/7/2008 13:00	384	220	1300	5.312	5.312		0.7413	8.23E-03	1804.5547	664.9253	2469.4800		
	8/7/2008 14:00	385	220	1400	5.361	5.361		0.7254	8.02E-03	1756.9818	647.3961	2404.3778		
	8/7/2008 15:00	386	220	1500	5.444	5.444		0.6991	7.66E-03	1678.8821	618.6186	2297.5008		
	8/7/2008 16:00	387	220	1600	5.478	5.478		0.6886	7.52E-03	1647.7615	607.1516	2254.9132		
	8/7/2008 17:00	388	220	1700	5.438	5.438		0.7010	7.68E-03	1684.4258	620.6613	2305.0871		
	8/7/2008 18:00	389	220	1800	5.558	5.558		0.6643	7.19E-03	1576.4593	580.8788	2157.3381		
	8/7/2008 19:00	390	220	1900	5.778	5.778		0.6009	6.36E-03	1393.4257	513.4364	1906.8620		
	8/7/2008 20:00	391	220	2000	6.209	6.209		0.4898	4.94E-03	1083.3328	399.1762	1482.5090		
	8/7/2008 21:00	392	220	2100	7.495	7.495		0.2342	1.99E-03	436.7567	160.9320	597.6887		
	8/7/2008 22:00	393	220	2200	8.4	8.4		0.1012	7.09E-04	155.4910	57.2939	212.7848		
	8/7/2008 23:00	394	220	2300	8.92	8.92		0.0370	2.06E-04	45.0578	16.6025	61.6603		
	8/8/2008 0:00	395	221	0	9.21	9.21	9.57	0.0043	1.47E-05	3.2249	1.1883	4.4131		
	8/8/2008 1:00	396	221	100	9.17	9.17		0.0087	3.47E-05	7.6104	2.8042	10.4146		
	8/8/2008 2:00	397	221	200	9.41	9.41		-0.0170	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	9.57	9.57		-0.0334	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	9.57	9.57		-0.0334	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	9.53	9.53		-0.0294	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	9.47	9.47		-0.0232	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	9.43	9.43		-0.0191	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 8:00	403	221	800	9.2	9.2		0.0054	1.94E-05	4.2500	1.5660	5.8160		
	8/8/2008 9:00	404	221	900	7.246	7.246		0.2766	2.45E-03	536.0847	197.5314	733.6161		
	8/8/2008 10:00	405	221	1000	5.523	5.523		0.6748	7.33E-03	1607.3271	592.2527	2199.5798		
	8/8/2008 11:00	406	221	1100	5.395	5.395		0.7146	7.87E-03	1724.6178	635.4709	2360.0887		
	8/8/2008 12:00	407	221	1200	5.288	5.288		0.7492	8.34E-03	1828.2655	673.6620	2501.9276		
	8/8/2008 13:00	408	221	1300	5.282	5.282		0.7512	8.37E-03	1834.2360	675.8620	2510.0980		
	8/8/2008 14:00	409	221	1400	5.256	5.256		0.7599	8.49E-03	1860.3082	685.4688	2545.7771		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.287	5.287		0.7496	8.35E-03	1829.2594	674.0283	2503.2877		
	8/8/2008 16:00	411	221	1600	5.314	5.314		0.7407	8.22E-03	1802.5911	664.2018	2466.7928		
	8/8/2008 17:00	412	221	1700	5.404	5.404		0.7117	7.83E-03	1716.1379	632.3463	2348.4841		
	8/8/2008 18:00	413	221	1800	5.668	5.668		0.6320	6.76E-03	1482.6368	546.3080	2028.9449		
	8/8/2008 19:00	414	221	1900	5.69	5.69		0.6257	6.68E-03	1464.4349	539.6012	2004.0361		
	8/8/2008 20:00	415	221	2000	6.243	6.243		0.4817	4.84E-03	1061.2834	391.0517	1452.3351		
	8/8/2008 21:00	416	221	2100	7.392	7.392		0.2514	2.17E-03	476.5710	175.6024	652.1734		
	8/8/2008 22:00	417	221	2200	8.19	8.19		0.1294	9.60E-04	210.5122	77.5676	288.0798		
	8/8/2008 23:00	418	221	2300	8.34	8.34		0.1091	7.78E-04	170.6094	62.8645	233.4739		
	8/9/2008 0:00	419	222	0	8.27	8.27	9.27	0.1185	8.62E-04	188.8549	69.5875	258.4424		
	8/9/2008 1:00	420	222	100	8.22	8.22		0.1253	9.23E-04	202.2897	74.5378	276.8275		
	8/9/2008 2:00	421	222	200	8.25	8.25		0.1212	8.86E-04	194.1885	71.5527	265.7413		
	8/9/2008 3:00	422	222	300	8.27	8.27		0.1185	8.62E-04	188.8549	69.5875	258.4424		
	8/9/2008 4:00	423	222	400	8.24	8.24		0.1226	8.98E-04	196.8754	72.5428	269.4182		
	8/9/2008 5:00	424	222	500	8.1	8.1		0.1420	1.08E-03	235.9132	86.9271	322.8403		
	8/9/2008 6:00	425	222	600	8.12	8.12		0.1392	1.05E-03	230.1730	84.8120	314.9850		
	8/9/2008 7:00	426	222	700	7.714	7.714		0.1991	1.63E-03	357.7542	131.8219	489.5760		
	8/9/2008 8:00	427	222	800	7.155	7.155		0.2928	2.62E-03	575.0842	211.9016	786.9857		
	8/9/2008 9:00	428	222	900	7.743	7.743		0.1946	1.59E-03	347.8471	128.1714	476.0186		
	8/9/2008 10:00	429	222	1000	7.271	7.271		0.2722	2.40E-03	525.6307	193.6794	719.3101		
	8/9/2008 11:00	430	222	1100	6.739	6.739		0.3726	3.53E-03	773.7286	285.0962	1058.8248		
	8/9/2008 12:00	431	222	1200	6.089	6.089		0.5191	5.31E-03	1163.8210	428.8338	1592.6548		
	8/9/2008 13:00	432	222	1300	5.875	5.875		0.5745	6.01E-03	1318.3620	485.7776	1804.1395		
	8/9/2008 14:00	433	222	1400	5.458	5.458		0.6948	7.60E-03	1666.0076	613.8747	2279.8823		
	8/9/2008 15:00	434	222	1500	5.339	5.339		0.7325	8.11E-03	1778.2035	655.2157	2433.4192		
	8/9/2008 16:00	435	222	1600	5.413	5.413		0.7088	7.79E-03	1707.6939	629.2349	2336.9288		
	8/9/2008 17:00	436	222	1700	5.565	5.565		0.6622	7.16E-03	1570.3457	578.6262	2148.9718		
	8/9/2008 18:00	437	222	1800	5.65	5.65		0.6372	6.83E-03	1497.6663	551.8460	2049.5123		
	8/9/2008 19:00	438	222	1900	5.841	5.841		0.5836	6.13E-03	1344.3007	495.3352	1839.6359		
	8/9/2008 20:00	439	222	2000	6.296	6.296		0.4692	4.69E-03	1027.5548	378.6237	1406.1784		
	8/9/2008 21:00	440	222	2100	7.919	7.919		0.1681	1.32E-03	290.3878	106.9993	397.3871		
	8/9/2008 22:00	441	222	2200	9.06	9.06		0.0210	1.02E-04	22.4026	8.2547	30.6574		
	8/9/2008 23:00	442	222	2300	9.27	9.27		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	9.33	9.33	9.36	-0.0086	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	9.36	9.36		-0.0118	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	9.34	9.34		-0.0096	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	9.31	9.31		-0.0064	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 4:00	447	223	400	9.27	9.27		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 5:00	448	223	500	9.19	9.19		0.0065	2.43E-05	5.3265	1.9627	7.2891		
	8/10/2008 6:00	449	223	600	9.11	9.11		0.0154	6.97E-05	15.2790	5.6299	20.9089		
	8/10/2008 7:00	450	223	700	9.04	9.04		0.0232	1.16E-04	25.4090	9.3625	34.7714		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	8.92	8.92		0.0370	2.06E-04	45.0578	16.6025	61.6603		
	8/10/2008 9:00	452	223	900	7.769	7.769		0.1906	1.55E-03	339.0722	124.9381	464.0103		
	8/10/2008 10:00	453	223	1000	5.515	5.515		0.6772	7.37E-03	1614.4535	594.8786	2209.3321		
	8/10/2008 11:00	454	223	1100	4.96	4.96		0.8649	9.95E-03	2181.7014	803.8928	2985.5942		
	8/10/2008 12:00	455	223	1200	4.896	4.896		0.8893	1.03E-02	2257.6427	831.8749	3089.5176		
	8/10/2008 13:00	456	223	1300	4.881	4.881		0.8951	1.04E-02	2275.8010	838.5657	3114.3667		
	8/10/2008 14:00	457	223	1400	4.856	4.856		0.9049	1.05E-02	2306.3754	849.8315	3156.2069		
	8/10/2008 15:00	458	223	1500	5.077	5.077		0.8219	9.35E-03	2049.0279	755.0065	2804.0344		
	8/10/2008 16:00	459	223	1600	5.029	5.029		0.8393	9.59E-03	2102.5229	774.7178	2877.2407		
	8/10/2008 17:00	460	223	1700	5.23	5.23		0.7686	8.61E-03	1886.7094	695.1969	2581.9063		
	8/10/2008 18:00	461	223	1800	7.708	7.708		0.2001	1.64E-03	359.8197	132.5830	492.4027		
	8/10/2008 19:00	462	223	1900	8.55	8.55		0.0819	5.47E-04	119.7964	44.1414	163.9378		
	8/10/2008 20:00	463	223	2000	8.26	8.26		0.1199	8.74E-04	191.5150	70.5676	262.0827		
	8/10/2008 21:00	464	223	2100	8.2	8.2		0.1280	9.48E-04	207.7579	76.5527	284.3105		
	8/10/2008 22:00	465	223	2200	8.37	8.37		0.1051	7.44E-04	162.9902	60.0571	223.0473		
	8/10/2008 23:00	466	223	2300	8.28	8.28		0.1171	8.50E-04	186.2083	68.6123	254.8206		
	8/11/2008 0:00	467	224	0	8.25	8.25	8.53	0.1212	8.86E-04	194.1885	71.5527	265.7413		
	8/11/2008 1:00	468	224	100	8.34	8.34		0.1091	7.78E-04	170.6094	62.8645	233.4739		
	8/11/2008 2:00	469	224	200	8.48	8.48		0.0908	6.21E-04	136.0796	50.1413	186.2210		
	8/11/2008 3:00	470	224	300	8.53	8.53		0.0844	5.67E-04	124.3817	45.8310	170.2127		
	8/11/2008 4:00	471	224	400	8.48	8.48		0.0908	6.21E-04	136.0796	50.1413	186.2210		
	8/11/2008 5:00	472	224	500	8.39	8.39		0.1025	7.21E-04	157.9774	58.2100	216.1874		
	8/11/2008 6:00	473	224	600	8.38	8.38		0.1038	7.32E-04	160.4771	59.1311	219.6082		
	8/11/2008 7:00	474	224	700	8.34	8.34		0.1091	7.78E-04	170.6094	62.8645	233.4739		
	8/11/2008 8:00	475	224	800	8.24	8.24		0.1226	8.98E-04	196.8754	72.5428	269.4182		
	8/11/2008 9:00	476	224	900	7.276	7.276		0.2713	2.39E-03	523.5531	192.9139	716.4671		
	8/11/2008 10:00	477	224	1000	5.312	5.312		0.7413	8.23E-03	1804.5547	664.9253	2469.4800		
	8/11/2008 11:00	478	224	1100	4.812	4.812		0.9223	1.08E-02	2361.1472	870.0132	3231.1604		
	8/11/2008 12:00	479	224	1200	4.709	4.709		0.9643	1.14E-02	2494.3455	919.0929	3413.4384		
	8/11/2008 13:00	480	224	1300	4.863	4.863		0.9021	1.05E-02	2297.7752	846.6625	3144.4377		
	8/11/2008 14:00	481	224	1400	4.643	4.643		0.9922	1.18E-02	2583.5506	951.9624	3535.5130		
	8/11/2008 15:00	482	224	1500	4.573	4.573		1.0227	1.22E-02	2681.6401	988.1054	3669.7455		
	8/11/2008 16:00	483	224	1600	4.836	4.836		0.9127	1.06E-02	2331.1182	858.9485	3190.0667		
	8/11/2008 17:00	484	224	1700	4.988	4.988		0.8545	9.81E-03	2149.2406	791.9319	2941.1725		
	8/11/2008 18:00	485	224	1800	5.279	5.279		0.7522	8.38E-03	1837.2278	676.9644	2514.1921		
	8/11/2008 19:00	486	224	1900	5.418	5.418		0.7073	7.77E-03	1703.0183	627.5121	2330.5304		
	8/11/2008 20:00	487	224	2000	6.064	6.064		0.5254	5.39E-03	1181.1289	435.2112	1616.3402		
	8/11/2008 21:00	488	224	2100	6.933	6.933		0.3342	3.09E-03	676.7500	249.3625	926.1125		
	8/11/2008 22:00	489	224	2200	7.534	7.534		0.2278	1.93E-03	422.1342	155.5440	577.6783		
	8/11/2008 23:00	490	224	2300	7.813	7.813		0.1839	1.48E-03	324.4508	119.5506	444.0014		
	8/12/2008 0:00	491	225	0	7.983	7.983	8.44	0.1587	1.23E-03	270.6013	99.7086	370.3099		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	8.05	8.05		0.1491	1.14E-03	250.5046	92.3036	342.8082		
	8/12/2008 2:00	493	225	200	8.18	8.18		0.1308	9.73E-04	213.2802	78.5875	291.8676		
	8/12/2008 3:00	494	225	300	8.43	8.43		0.0973	6.76E-04	148.1117	54.5748	202.6865		
	8/12/2008 4:00	495	225	400	8.44	8.44		0.0960	6.65E-04	145.6786	53.6783	199.3569		
	8/12/2008 5:00	496	225	500	8.38	8.38		0.1038	7.32E-04	160.4771	59.1311	219.6082		
	8/12/2008 6:00	497	225	600	8.31	8.31		0.1131	8.14E-04	178.3487	65.7162	244.0649		
	8/12/2008 7:00	498	225	700	8.31	8.31		0.1131	8.14E-04	178.3487	65.7162	244.0649		
	8/12/2008 8:00	499	225	800	8.25	8.25		0.1212	8.86E-04	194.1885	71.5527	265.7413		
	8/12/2008 9:00	500	225	900	7.43	7.43		0.2450	2.11E-03	461.6778	170.1147	631.7925		
	8/12/2008 10:00	501	225	1000	5.48	5.48		0.6880	7.51E-03	1645.9463	606.4828	2252.4291		
	8/12/2008 11:00	502	225	1100	4.663	4.663		0.9837	1.17E-02	2556.1897	941.8807	3498.0704		
	8/12/2008 12:00	503	225	1200	4.559	4.559		1.0290	1.23E-02	2701.7030	995.4981	3697.2011		
	8/12/2008 13:00	504	225	1300	4.455	4.455		1.0763	1.30E-02	2855.6014	1052.2051	3907.8064		
	8/12/2008 14:00	505	225	1400	4.408	4.408		1.0985	1.34E-02	2928.0767	1078.9101	4006.9868		
	8/12/2008 15:00	506	225	1500	4.419	4.419		1.0932	1.33E-02	2910.9455	1072.5977	3983.5433		
	8/12/2008 16:00	507	225	1600	4.464	4.464		1.0721	1.30E-02	2841.9357	1047.1697	3889.1053		
	8/12/2008 17:00	508	225	1700	4.511	4.511		1.0505	1.26E-02	2771.6528	1021.2725	3792.9252		
	8/12/2008 18:00	509	225	1800	4.607	4.607		1.0078	1.20E-02	2633.5386	970.3815	3603.9201		
	8/12/2008 19:00	510	225	1900	4.829	4.829		0.9155	1.07E-02	2339.8384	862.1616	3202.0000		
	8/12/2008 20:00	511	225	2000	5.294	5.294		0.7473	8.31E-03	1822.3122	671.4684	2493.7807		
	8/12/2008 21:00	512	225	2100	6.822	6.822		0.3559	3.34E-03	731.2639	269.4492	1000.7131		
	8/12/2008 22:00	513	225	2200	7.711	7.711		0.1996	1.64E-03	358.7863	132.2022	490.9884		
	8/12/2008 23:00	514	225	2300	7.862	7.862		0.1765	1.41E-03	308.5024	113.6741	422.1765		
	8/13/2008 0:00	515	226	0	8.03	8.03	8.27	0.1519	1.17E-03	256.4380	94.4899	350.9279		
	8/13/2008 1:00	516	226	100	8.04	8.04		0.1505	1.16E-03	253.4644	93.3942	346.8585		
	8/13/2008 2:00	517	226	200	8.06	8.06		0.1476	1.13E-03	247.5587	91.2181	338.7768		
	8/13/2008 3:00	518	226	300	8.17	8.17		0.1322	9.86E-04	216.0616	79.6123	295.6740		
	8/13/2008 4:00	519	226	400	8.18	8.18		0.1308	9.73E-04	213.2802	78.5875	291.8676		
	8/13/2008 5:00	520	226	500	8.13	8.13		0.1378	1.04E-03	227.3235	83.7620	311.0855		
	8/13/2008 6:00	521	226	600	8.26	8.26		0.1199	8.74E-04	191.5150	70.5676	262.0827		
	8/13/2008 7:00	522	226	700	8.27	8.27		0.1185	8.62E-04	188.8549	69.5875	258.4424		
	8/13/2008 8:00	523	226	800	7.96	7.96		0.1621	1.27E-03	277.6453	102.3041	379.9494		
	8/13/2008 9:00	524	226	900	6.087	6.087		0.5196	5.32E-03	1165.1986	429.3414	1594.5401		
	8/13/2008 10:00	525	226	1000	4.744	4.744		0.9498	1.12E-02	2448.2805	902.1193	3350.3999		
	8/13/2008 11:00	526	226	1100	4.666	4.666		0.9824	1.16E-02	2552.1105	940.3776	3492.4881		
	8/13/2008 12:00	527	226	1200	4.266	4.266		1.1683	1.44E-02	3158.9389	1163.9760	4322.9149		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	4.974	4.974	9.14	0.8376	9.57E-03	2435.4512	897.3921	3332.8433		
W809EC1	7/22/2008 14:00	1	204	1400	5.478	5.478		0.6685	7.25E-03	1845.1998	679.9018	2525.1016		
	7/22/2008 15:00	2	204	1500	5.401	5.401		0.6923	7.57E-03	1926.3540	709.8048	2636.1588		
Probe #	7/22/2008 16:00	3	204	1600	5.299	5.299		0.7249	8.01E-03	2038.5345	751.1400	2789.6745		
	7/22/2008 17:00	4	204	1700	5.327	5.327		0.7158	7.88E-03	2007.1927	739.5914	2746.7842		
18	7/22/2008 18:00	5	204	1800	5.458	5.458		0.6746	7.33E-03	1865.9960	687.5646	2553.5606		
	7/22/2008 19:00	6	204	1900	5.717	5.717		0.5987	6.33E-03	1611.1304	593.6541	2204.7845		
	7/22/2008 20:00	7	204	2000	6.085	6.085		0.5021	5.10E-03	1297.1012	477.9436	1775.0448		
	7/22/2008 21:00	8	204	2100	7.496	7.496		0.2193	1.84E-03	467.9611	172.4299	640.3910		
DBH (cm)	7/22/2008 22:00	9	204	2200	8.69	8.69		0.0518	3.11E-04	79.1628	29.1692	108.3320		
	7/22/2008 23:00	10	204	2300	9.14	9.14		0.0000	0.00E+00	0.0000	0.0000	0.0000		
11.7	7/23/2008 0:00	11	205	0	9.45	9.45	9.64	-0.0328	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.57	9.57		-0.0449	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.62	9.62		-0.0499	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.64	9.64		-0.0519	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.61	9.61		-0.0489	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.51	9.51		-0.0389	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.34	9.34		-0.0214	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9	9		0.0156	7.08E-05	18.0120	6.6369	24.6488		
	7/23/2008 8:00	19	205	800	8.23	8.23		0.1106	7.91E-04	201.4061	74.2122	275.6183		
	7/23/2008 9:00	20	205	900	6.802	6.802		0.3437	3.20E-03	813.6202	299.7951	1113.4153		
	7/23/2008 10:00	21	205	1000	5.817	5.817		0.5713	5.97E-03	1520.5795	560.2888	2080.8683		
	7/23/2008 11:00	22	205	1100	5.718	5.718		0.5985	6.33E-03	1610.2043	593.3129	2203.5172		
	7/23/2008 12:00	23	205	1200	5.586	5.586		0.6362	6.82E-03	1736.2080	639.7415	2375.9495		
	7/23/2008 13:00	24	205	1300	5.482	5.482		0.6673	7.23E-03	1841.0640	678.3779	2519.4419		
	7/23/2008 14:00	25	205	1400	5.456	5.456		0.6752	7.34E-03	1868.0864	688.3348	2556.4212		
	7/23/2008 15:00	26	205	1500	5.433	5.433		0.6823	7.43E-03	1892.2685	697.2453	2589.5138		
	7/23/2008 16:00	27	205	1600	5.575	5.575		0.6395	6.86E-03	1747.0595	643.7400	2390.7995		
	7/23/2008 17:00	28	205	1700	6.065	6.065		0.5070	5.16E-03	1312.8722	483.7548	1796.6270		
	7/23/2008 18:00	29	205	1800	6.822	6.822		0.3398	3.15E-03	802.1566	295.5711	1097.7277		
	7/23/2008 19:00	30	205	1900	6.722	6.722		0.3597	3.38E-03	860.4663	317.0565	1177.5228		
	7/23/2008 20:00	31	205	2000	7.134	7.134		0.2812	2.50E-03	635.4277	234.1364	869.5641		
	7/23/2008 21:00	32	205	2100	7.908	7.908		0.1558	1.21E-03	307.1649	113.1812	420.3461		
	7/23/2008 22:00	33	205	2200	8.44	8.44		0.0829	5.55E-04	141.3637	52.0884	193.4521		
	7/23/2008 23:00	34	205	2300	8.48	8.48		0.0778	5.14E-04	130.7233	48.1677	178.8910		
	7/24/2008 0:00	35	206	0	8.45	8.45	9.51	0.0817	5.45E-04	138.6796	51.0993	189.7789		
	7/24/2008 1:00	36	206	100	8.52	8.52		0.0728	4.73E-04	120.3408	44.3420	164.6828		
	7/24/2008 2:00	37	206	200	8.63	8.63		0.0591	3.66E-04	93.1407	34.3196	127.4603		
	7/24/2008 3:00	38	206	300	8.79	8.79		0.0398	2.25E-04	57.2858	21.1081	78.3940		
	7/24/2008 4:00	39	206	400	8.96	8.96		0.0201	9.69E-05	24.6774	9.0929	33.7703		
	7/24/2008 5:00	40	206	500	9.1	9.1		0.0044	1.49E-05	3.8011	1.4006	5.2017		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.2	9.2		-0.0065	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.19	9.19		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	8.91	8.91		0.0258	1.32E-04	33.5999	12.3806	45.9804		
	7/24/2008 9:00	44	206	900	8.42	8.42		0.0855	5.77E-04	146.7800	54.0841	200.8641		
	7/24/2008 10:00	45	206	1000	8.46	8.46		0.0804	5.34E-04	136.0114	50.1162	186.1276		
	7/24/2008 11:00	46	206	1100	6.584	6.584		0.3882	3.71E-03	945.1403	348.2564	1293.3967		
	7/24/2008 12:00	47	206	1200	5.709	5.709		0.6010	6.36E-03	1618.5545	596.3897	2214.9442		
	7/24/2008 13:00	48	206	1300	6.017	6.017		0.5190	5.31E-03	1351.2981	497.9136	1849.2116		
	7/24/2008 14:00	49	206	1400	5.913	5.913		0.5457	5.65E-03	1437.4272	529.6496	1967.0769		
	7/24/2008 15:00	50	206	1500	5.576	5.576		0.6392	6.86E-03	1746.0707	643.3757	2389.4463		
	7/24/2008 16:00	51	206	1600	5.522	5.522		0.6552	7.07E-03	1800.1304	663.2951	2463.4255		
	7/24/2008 17:00	52	206	1700	5.708	5.708		0.6013	6.36E-03	1619.4844	596.7324	2216.2168		
	7/24/2008 18:00	53	206	1800	5.637	5.637		0.6214	6.63E-03	1686.6133	621.4674	2308.0806		
	7/24/2008 19:00	54	206	1900	6.044	6.044		0.5122	5.22E-03	1329.5829	489.9121	1819.4950		
	7/24/2008 20:00	55	206	2000	6.994	6.994		0.3068	2.78E-03	707.5038	260.6943	968.1981		
	7/24/2008 21:00	56	206	2100	8.26	8.26		0.1065	7.56E-04	192.4002	70.8938	263.2940		
	7/24/2008 22:00	57	206	2200	9.19	9.19		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	9.51	9.51		-0.0389	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.65	9.65	9.72	-0.0528	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.7	9.7		-0.0577	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.71	9.71		-0.0587	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.71	9.71		-0.0587	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.72	9.72		-0.0597	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9.71	9.71		-0.0587	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.7	9.7		-0.0577	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.65	9.65		-0.0528	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.6	9.6		-0.0479	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.55	9.55		-0.0429	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	9.37	9.37		-0.0245	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 11:00	70	207	1100	8.22	8.22		0.1119	8.03E-04	204.4398	75.3300	279.7698		
	7/25/2008 12:00	71	207	1200	7.024	7.024		0.3013	2.72E-03	691.6941	254.8689	946.5631		
	7/25/2008 13:00	72	207	1300	6.202	6.202		0.4737	4.74E-03	1207.5775	444.9567	1652.5342		
	7/25/2008 14:00	73	207	1400	5.788	5.788		0.5791	6.07E-03	1546.4165	569.8090	2116.2254		
	7/25/2008 15:00	74	207	1500	5.7	5.7		0.6035	6.39E-03	1626.9392	599.4792	2226.4185		
	7/25/2008 16:00	75	207	1600	5.785	5.785		0.5799	6.09E-03	1549.1087	570.8010	2119.9097		
	7/25/2008 17:00	76	207	1700	5.583	5.583		0.6371	6.83E-03	1739.1620	640.8300	2379.9920		
	7/25/2008 18:00	77	207	1800	5.663	5.663		0.6140	6.53E-03	1661.7761	612.3156	2274.0916		
	7/25/2008 19:00	78	207	1900	5.814	5.814		0.5721	5.98E-03	1523.2366	561.2679	2084.5044		
	7/25/2008 20:00	79	207	2000	6.537	6.537		0.3982	3.83E-03	975.1415	359.3109	1334.4524		
	7/25/2008 21:00	80	207	2100	7.91	7.91		0.1555	1.20E-03	306.4558	112.9199	419.3757		
	7/25/2008 22:00	81	207	2200	9.07	9.07		0.0077	2.99E-05	7.6007	2.8006	10.4013		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.43	9.43		-0.0308	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.54	9.54	9.56	-0.0419	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.56	9.56		-0.0439	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.56	9.56		-0.0439	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.53	9.53		-0.0409	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.5	9.5		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.44	9.44		-0.0318	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	9.37	9.37		-0.0245	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	9.32	9.32		-0.0193	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	9.21	9.21		-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 9:00	92	208	900	7.671	7.671		0.1915	1.56E-03	396.0052	145.9163	541.9214		
	7/26/2008 10:00	93	208	1000	6.054	6.054		0.5097	5.19E-03	1321.6060	486.9729	1808.5789		
	7/26/2008 11:00	94	208	1100	5.966	5.966		0.5320	5.47E-03	1393.0345	513.2922	1906.3268		
	7/26/2008 12:00	95	208	1200	6.22	6.22		0.4695	4.69E-03	1194.2085	440.0307	1634.2392		
	7/26/2008 13:00	96	208	1300	5.688	5.688		0.6069	6.44E-03	1638.1729	603.6185	2241.7913		
	7/26/2008 14:00	97	208	1400	5.62	5.62		0.6263	6.69E-03	1703.0149	627.5109	2330.5258		
	7/26/2008 15:00	98	208	1500	5.566	5.566		0.6421	6.90E-03	1755.9794	647.0267	2403.0061		
	7/26/2008 16:00	99	208	1600	5.6	5.6		0.6321	6.77E-03	1722.4769	634.6820	2357.1589		
	7/26/2008 17:00	100	208	1700	5.492	5.492		0.6642	7.19E-03	1830.7585	674.5806	2505.3391		
	7/26/2008 18:00	101	208	1800	5.697	5.697		0.6044	6.40E-03	1629.7419	600.5119	2230.2538		
	7/26/2008 19:00	102	208	1900	5.854	5.854		0.5613	5.85E-03	1488.1041	548.3226	2036.4266		
	7/26/2008 20:00	103	208	2000	6.385	6.385		0.4315	4.23E-03	1076.4317	396.6334	1473.0650		
	7/26/2008 21:00	104	208	2100	7.869	7.869		0.1615	1.26E-03	321.1264	118.3256	439.4521		
	7/26/2008 22:00	105	208	2200	8.98	8.98		0.0178	8.36E-05	21.2882	7.8441	29.1322		
	7/26/2008 23:00	106	208	2300	9.31	9.31		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	9.38	9.38	9.38	-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	9.35	9.35		-0.0225	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	9.24	9.24		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	9.22	9.22		-0.0087	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	9.23	9.23		-0.0098	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	9.2	9.2		-0.0065	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	9.15	9.15		-0.0011	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	9.07	9.07		0.0077	2.99E-05	7.6007	2.8006	10.4013		
	7/27/2008 8:00	115	209	800	8.83	8.83		0.0351	1.93E-04	49.0612	18.0776	67.1389		
	7/27/2008 9:00	116	209	900	6.759	6.759		0.3523	3.29E-03	838.6010	308.9998	1147.6008		
	7/27/2008 10:00	117	209	1000	5.193	5.193		0.7601	8.49E-03	2161.0993	796.3015	2957.4007		
	7/27/2008 11:00	118	209	1100	5.14	5.14		0.7782	8.74E-03	2224.7955	819.7716	3044.5671		
	7/27/2008 12:00	119	209	1200	5.071	5.071		0.8024	9.08E-03	2310.2499	851.2591	3161.5089		
	7/27/2008 13:00	120	209	1300	5.172	5.172		0.7672	8.59E-03	2186.1398	805.5282	2991.6679		
	7/27/2008 14:00	121	209	1400	5.11	5.11		0.7886	8.88E-03	2261.5918	833.3300	3094.9218		
	7/27/2008 15:00	122	209	1500	5.155	5.155		0.7730	8.67E-03	2206.6000	813.0672	3019.6672		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.214	5.214		0.7530	8.39E-03	2136.3142	787.1689	2923.4831		
	7/27/2008 17:00	124	209	1700	5.303	5.303		0.7236	7.99E-03	2034.0313	749.4806	2783.5119		
	7/27/2008 18:00	125	209	1800	5.421	5.421		0.6860	7.48E-03	1904.9901	701.9328	2606.9228		
	7/27/2008 19:00	126	209	1900	5.602	5.602		0.6316	6.76E-03	1720.5225	633.9619	2354.4844		
	7/27/2008 20:00	127	209	2000	5.964	5.964		0.5325	5.48E-03	1394.6907	513.9025	1908.5931		
	7/27/2008 21:00	128	209	2100	7.018	7.018		0.3024	2.73E-03	694.8399	256.0281	950.8680		
	7/27/2008 22:00	129	209	2200	8.14	8.14		0.1229	9.01E-04	229.2827	84.4839	313.7666		
	7/27/2008 23:00	130	209	2300	8.34	8.34		0.0959	6.64E-04	169.0823	62.3019	231.3842		
	7/28/2008 0:00	131	210	0	8.43	8.43	8.88	0.0842	5.66E-04	144.0639	53.0833	197.1472		
	7/28/2008 1:00	132	210	100	8.56	8.56		0.0678	4.33E-04	110.2185	40.6123	150.8308		
	7/28/2008 2:00	133	210	200	8.59	8.59		0.0640	4.04E-04	102.7994	37.8786	140.6780		
	7/28/2008 3:00	134	210	300	8.68	8.68		0.0530	3.20E-04	81.4492	30.0116	111.4609		
	7/28/2008 4:00	135	210	400	8.65	8.65		0.0566	3.47E-04	88.4126	32.5775	120.9901		
	7/28/2008 5:00	136	210	500	8.88	8.88		0.0293	1.54E-04	39.2361	14.4573	53.6934		
	7/28/2008 6:00	137	210	600	8.87	8.87		0.0304	1.62E-04	41.1590	15.1659	56.3249		
	7/28/2008 7:00	138	210	700	8.7	8.7		0.0506	3.02E-04	76.8939	28.3331	105.2270		
	7/28/2008 8:00	139	210	800	7.087	7.087		0.2897	2.59E-03	659.1456	242.8758	902.0214		
	7/28/2008 9:00	140	210	900	5.747	5.747		0.5904	6.22E-03	1583.5306	583.4844	2167.0150		
	7/28/2008 10:00	141	210	1000	5.376	5.376		0.7001	7.67E-03	1953.3460	719.7505	2673.0964		
	7/28/2008 11:00	142	210	1100	5.387	5.387		0.6967	7.63E-03	1941.4300	715.3598	2656.7897		
	7/28/2008 12:00	143	210	1200	5.417	5.417		0.6873	7.50E-03	1909.2467	703.5012	2612.7479		
	7/28/2008 13:00	144	210	1300	5.319	5.319		0.7184	7.92E-03	2016.1046	742.8752	2758.9798		
	7/28/2008 14:00	145	210	1400	5.3	5.3		0.7245	8.00E-03	2037.4079	750.7248	2788.1327		
	7/28/2008 15:00	146	210	1500	5.24	5.24		0.7443	8.27E-03	2105.9767	775.9904	2881.9671		
	7/28/2008 16:00	147	210	1600	5.263	5.263		0.7367	8.17E-03	2079.4568	766.2186	2845.6754		
	7/28/2008 17:00	148	210	1700	5.303	5.303		0.7236	7.99E-03	2034.0313	749.4806	2783.5119		
	7/28/2008 18:00	149	210	1800	5.395	5.395		0.6942	7.59E-03	1932.8029	712.1810	2644.9838		
	7/28/2008 19:00	150	210	1900	5.621	5.621		0.6260	6.69E-03	1702.0466	627.1541	2329.2006		
	7/28/2008 20:00	151	210	2000	6.172	6.172		0.4809	4.83E-03	1230.0948	453.2537	1683.3486		
	7/28/2008 21:00	152	210	2100	7.436	7.436		0.2292	1.94E-03	493.9354	182.0006	675.9360		
	7/28/2008 22:00	153	210	2200	7.92	7.92		0.1540	1.19E-03	302.9201	111.6171	414.5372		
	7/28/2008 23:00	154	210	2300	8.14	8.14		0.1229	9.01E-04	229.2827	84.4839	313.7666		
	7/29/2008 0:00	155	211	0	8.39	8.39	9.16	0.0894	6.09E-04	155.0241	57.1218	212.1459		
	7/29/2008 1:00	156	211	100	8.59	8.59		0.0640	4.04E-04	102.7994	37.8786	140.6780		
	7/29/2008 2:00	157	211	200	8.8	8.8		0.0386	2.17E-04	55.2004	20.3397	75.5401		
	7/29/2008 3:00	158	211	300	8.93	8.93		0.0235	1.18E-04	29.9574	11.0384	40.9958		
	7/29/2008 4:00	159	211	400	9.11	9.11		0.0033	1.05E-05	2.6639	0.9816	3.6455		
	7/29/2008 5:00	160	211	500	9.16	9.16		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	9.09	9.09		0.0055	1.97E-05	5.0094	1.8458	6.8553		
	7/29/2008 7:00	162	211	700	8.87	8.87		0.0304	1.62E-04	41.1590	15.1659	56.3249		
	7/29/2008 8:00	163	211	800	8.1	8.1		0.1284	9.51E-04	242.0878	89.2022	331.2900		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	6.305	6.305		0.4496	4.45E-03	1132.4794	417.2853	1549.7647		
	7/29/2008 10:00	165	211	1000	5.544	5.544		0.6486	6.98E-03	1777.9416	655.1191	2433.0607		
	7/29/2008 11:00	166	211	1100	5.846	5.846		0.5635	5.87E-03	1495.0799	550.8929	2045.9728		
	7/29/2008 12:00	167	211	1200	5.385	5.385		0.6973	7.63E-03	1943.5919	716.1564	2659.7483		
	7/29/2008 13:00	168	211	1300	5.409	5.409		0.6898	7.53E-03	1917.7841	706.6470	2624.4311		
	7/29/2008 14:00	169	211	1400	5.264	5.264		0.7363	8.16E-03	2078.3104	765.7962	2844.1066		
	7/29/2008 15:00	170	211	1500	5.428	5.428		0.6839	7.45E-03	1897.5604	699.1952	2596.7555		
	7/29/2008 16:00	171	211	1600	5.577	5.577		0.6389	6.86E-03	1745.0823	643.0115	2388.0938		
	7/29/2008 17:00	172	211	1700	5.764	5.764		0.5857	6.16E-03	1568.0577	577.7831	2145.8408		
	7/29/2008 18:00	173	211	1800	5.778	5.778		0.5819	6.11E-03	1555.4049	573.1209	2128.5259		
	7/29/2008 19:00	174	211	1900	5.874	5.874		0.5560	5.78E-03	1470.7744	541.9371	2012.7115		
	7/29/2008 20:00	175	211	2000	6.733	6.733		0.3575	3.35E-03	853.9297	314.6479	1168.5776		
	7/29/2008 21:00	176	211	2100	8.05	8.05		0.1354	1.02E-03	258.4563	95.2335	353.6898		
	7/29/2008 22:00	177	211	2200	8.8	8.8		0.0386	2.17E-04	55.2004	20.3397	75.5401		
	7/29/2008 23:00	178	211	2300	9.12	9.12		0.0022	6.34E-06	1.6150	0.5951	2.2100		
	7/30/2008 0:00	179	212	0	9.25	9.25	9.27	-0.0119	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	9.27	9.27		-0.0140	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 2:00	181	212	200	9.26	9.26		-0.0130	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 3:00	182	212	300	9.24	9.24		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 4:00	183	212	400	9.19	9.19		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 5:00	184	212	500	9.12	9.12		0.0022	6.34E-06	1.6150	0.5951	2.2100		
	7/30/2008 6:00	185	212	600	9.04	9.04		0.0111	4.65E-05	11.8388	4.3622	16.2010		
	7/30/2008 7:00	186	212	700	8.98	8.98		0.0178	8.36E-05	21.2882	7.8441	29.1322		
	7/30/2008 8:00	187	212	800	8.94	8.94		0.0224	1.11E-04	28.1722	10.3806	38.5529		
	7/30/2008 9:00	188	212	900	7.653	7.653		0.1943	1.58E-03	403.1511	148.5493	551.7004		
	7/30/2008 10:00	189	212	1000	5.548	5.548		0.6474	6.97E-03	1773.9317	653.6416	2427.5733		
	7/30/2008 11:00	190	212	1100	5.268	5.268		0.7350	8.15E-03	2073.7305	764.1087	2837.8392		
	7/30/2008 12:00	191	212	1200	5.26	5.26		0.7376	8.18E-03	2082.8992	767.4870	2850.3862		
	7/30/2008 13:00	192	212	1300	5.25	5.25		0.7410	8.23E-03	2094.4100	771.7284	2866.1384		
	7/30/2008 14:00	193	212	1400	5.218	5.218		0.7516	8.37E-03	2131.6219	785.4399	2917.0618		
	7/30/2008 15:00	194	212	1500	5.367	5.367		0.7030	7.71E-03	1963.1420	723.3600	2686.5020		
	7/30/2008 16:00	195	212	1600	5.223	5.223		0.7500	8.35E-03	2125.7693	783.2834	2909.0527		
	7/30/2008 17:00	196	212	1700	5.253	5.253		0.7400	8.21E-03	2090.9509	770.4539	2861.4047		
	7/30/2008 18:00	197	212	1800	5.395	5.395		0.6942	7.59E-03	1932.8029	712.1810	2644.9838		
	7/30/2008 19:00	198	212	1900	5.566	5.566		0.6421	6.90E-03	1755.9794	647.0267	2403.0061		
	7/30/2008 20:00	199	212	2000	6.063	6.063		0.5075	5.16E-03	1314.4570	484.3387	1798.7957		
	7/30/2008 21:00	200	212	2100	7.354	7.354		0.2429	2.08E-03	530.5488	195.4916	726.0404		
	7/30/2008 22:00	201	212	2200	8.28	8.28		0.1039	7.33E-04	186.4756	68.7108	255.1864		
	7/30/2008 23:00	202	212	2300	8.72	8.72		0.0482	2.84E-04	72.4092	26.6807	99.0899		
	7/31/2008 0:00	203	213	0	9.01	9.01	9.31	0.0144	6.45E-05	16.4190	6.0499	22.4690		
	7/31/2008 1:00	204	213	100	9.14	9.14		0.0000	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.18	9.18		-0.0044	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	9.22	9.22		-0.0087	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	9.28	9.28		-0.0151	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	9.29	9.29		-0.0161	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	9.31	9.31		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 7:00	210	213	700	9.31	9.31		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 8:00	211	213	800	9.18	9.18		-0.0044	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 9:00	212	213	900	7.625	7.625		0.1987	1.63E-03	414.3817	152.6874	567.0691		
	7/31/2008 10:00	213	213	1000	5.603	5.603		0.6313	6.75E-03	1719.5461	633.6021	2353.1482		
	7/31/2008 11:00	214	213	1100	5.513	5.513		0.6579	7.11E-03	1809.2737	666.6641	2475.9378		
	7/31/2008 12:00	215	213	1200	5.296	5.296		0.7258	8.02E-03	2041.9176	752.3865	2794.3042		
	7/31/2008 13:00	216	213	1300	5.465	5.465		0.6725	7.30E-03	1858.6950	684.8744	2543.5694		
	7/31/2008 14:00	217	213	1400	5.199	5.199		0.7580	8.46E-03	2153.9919	793.6826	2947.6745		
	7/31/2008 15:00	218	213	1500	5.207	5.207		0.7553	8.42E-03	2144.5477	790.2027	2934.7504		
	7/31/2008 16:00	219	213	1600	5.233	5.233		0.7466	8.30E-03	2114.1068	778.9861	2893.0929		
	7/31/2008 17:00	220	213	1700	5.272	5.272		0.7337	8.13E-03	2069.1595	762.4244	2831.5838		
	7/31/2008 18:00	221	213	1800	5.372	5.372		0.7014	7.69E-03	1957.6945	721.3528	2679.0474		
	7/31/2008 19:00	222	213	1900	5.628	5.628		0.6240	6.66E-03	1695.2805	624.6610	2319.9414		
	7/31/2008 20:00	223	213	2000	6.286	6.286		0.4540	4.50E-03	1146.0797	422.2966	1568.3763		
	7/31/2008 21:00	224	213	2100	7.152	7.152		0.2780	2.46E-03	626.4698	230.8357	857.3055		
	7/31/2008 22:00	225	213	2200	7.877	7.877		0.1603	1.25E-03	318.2418	117.2627	435.5045		
	7/31/2008 23:00	226	213	2300	7.926	7.926		0.1532	1.18E-03	300.8067	110.8384	411.6451		
	8/1/2008 0:00	227	214	0	8.3	8.3	9.50	0.1012	7.09E-04	180.6145	66.5511	247.1656		
	8/1/2008 1:00	228	214	100	8.85	8.85		0.0328	1.77E-04	45.0687	16.6065	61.6751		
	8/1/2008 2:00	229	214	200	9.14	9.14		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 3:00	230	214	300	9.21	9.21		-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 4:00	231	214	400	9.36	9.36		-0.0235	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	9.45	9.45		-0.0328	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	9.49	9.49		-0.0369	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	9.5	9.5		-0.0379	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	9.35	9.35		-0.0225	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 9:00	236	214	900	7.776	7.776		0.1754	1.40E-03	355.4556	130.9749	486.4306		
	8/1/2008 10:00	237	214	1000	5.74	5.74		0.5923	6.25E-03	1589.9367	585.8449	2175.7816		
	8/1/2008 11:00	238	214	1100	5.609	5.609		0.6295	6.73E-03	1713.6967	631.4468	2345.1435		
	8/1/2008 12:00	239	214	1200	5.544	5.544		0.6486	6.98E-03	1777.9416	655.1191	2433.0607		
	8/1/2008 13:00	240	214	1300	5.404	5.404		0.6913	7.55E-03	1923.1365	708.6192	2631.7557		
	8/1/2008 14:00	241	214	1400	5.353	5.353		0.7075	7.77E-03	1978.4640	729.0058	2707.4698		
	8/1/2008 15:00	242	214	1500	5.302	5.302		0.7239	7.99E-03	2035.1563	749.8952	2785.0514		
	8/1/2008 16:00	243	214	1600	5.34	5.34		0.7116	7.83E-03	1992.7837	734.2821	2727.0658		
	8/1/2008 17:00	244	214	1700	5.386	5.386		0.6970	7.63E-03	1942.5107	715.7580	2658.2687		
	8/1/2008 18:00	245	214	1800	5.472	5.472		0.6703	7.27E-03	1851.4181	682.1931	2533.6112		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	5.697	5.697		0.6044	6.40E-03	1629.7419	600.5119	2230.2538		
	8/1/2008 20:00	247	214	2000	6.388	6.388		0.4308	4.22E-03	1074.3675	395.8728	1470.2403		
	8/1/2008 21:00	248	214	2100	7.964	7.964		0.1477	1.13E-03	287.5601	105.9574	393.5176		
	8/1/2008 22:00	249	214	2200	8.78	8.78		0.0410	2.33E-04	59.3904	21.8836	81.2741		
	8/1/2008 23:00	250	214	2300	9.09	9.09		0.0055	1.97E-05	5.0094	1.8458	6.8553		
	8/2/2008 0:00	251	215	0	9.22	9.22	9.46	-0.0087	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	9.32	9.32		-0.0193	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	9.4	9.4		-0.0277	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.46	9.46		-0.0338	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.37	9.37		-0.0245	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.33	9.33		-0.0204	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.31	9.31		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.12	9.12		0.0022	6.34E-06	1.6150	0.5951	2.2100		
	8/2/2008 8:00	259	215	800	7.756	7.756		0.1784	1.43E-03	363.0314	133.7664	496.7978		
	8/2/2008 9:00	260	215	900	5.986	5.986		0.5269	5.41E-03	1376.5541	507.2197	1883.7738		
	8/2/2008 10:00	261	215	1000	5.813	5.813		0.5723	5.99E-03	1524.1231	561.5945	2085.7176		
	8/2/2008 11:00	262	215	1100	5.634	5.634		0.6223	6.64E-03	1689.4983	622.5304	2312.0288		
	8/2/2008 12:00	263	215	1200	5.521	5.521		0.6555	7.08E-03	1801.1444	663.6687	2464.8131		
	8/2/2008 13:00	264	215	1300	5.429	5.429		0.6836	7.45E-03	1896.5010	698.8048	2595.3058		
	8/2/2008 14:00	265	215	1400	5.413	5.413		0.6885	7.52E-03	1913.5113	705.0726	2618.5840		
	8/2/2008 15:00	266	215	1500	5.38	5.38		0.6989	7.66E-03	1949.0056	718.1512	2667.1569		
	8/2/2008 16:00	267	215	1600	5.368	5.368		0.7027	7.71E-03	1962.0514	722.9582	2685.0096		
	8/2/2008 17:00	268	215	1700	5.41	5.41		0.6895	7.53E-03	1916.7152	706.2531	2622.9683		
	8/2/2008 18:00	269	215	1800	5.493	5.493		0.6639	7.19E-03	1829.7306	674.2019	2503.9325		
	8/2/2008 19:00	270	215	1900	5.666	5.666		0.6131	6.52E-03	1658.9293	611.2666	2270.1959		
	8/2/2008 20:00	271	215	2000	6.192	6.192		0.4761	4.77E-03	1215.0503	447.7103	1662.7606		
	8/2/2008 21:00	272	215	2100	7.261	7.261		0.2588	2.25E-03	573.6765	211.3829	785.0595		
	8/2/2008 22:00	273	215	2200	8.21	8.21		0.1133	8.15E-04	207.4894	76.4537	283.9431		
	8/2/2008 23:00	274	215	2300	8.61	8.61		0.0616	3.85E-04	97.9365	36.0867	134.0232		
	8/3/2008 0:00	275	216	0	8.54	8.54	9.20	0.0703	4.53E-04	115.2469	42.4651	157.7120		
	8/3/2008 1:00	276	216	100	8.36	8.36		0.0933	6.42E-04	163.4114	60.2123	223.6237		
	8/3/2008 2:00	277	216	200	8.63	8.63		0.0591	3.66E-04	93.1407	34.3196	127.4603		
	8/3/2008 3:00	278	216	300	8.92	8.92		0.0247	1.25E-04	31.7668	11.7051	43.4719		
	8/3/2008 4:00	279	216	400	9.09	9.09		0.0055	1.97E-05	5.0094	1.8458	6.8553		
	8/3/2008 5:00	280	216	500	9.2	9.2		-0.0065	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	8.99	8.99		0.0167	7.71E-05	19.6354	7.2351	26.8705		
	8/3/2008 7:00	282	216	700	8.66	8.66		0.0554	3.38E-04	86.0743	31.7158	117.7901		
	8/3/2008 8:00	283	216	800	7.61	7.61		0.2011	1.65E-03	420.4559	154.9256	575.3816		
	8/3/2008 9:00	284	216	900	5.945	5.945		0.5374	5.54E-03	1410.4982	519.7271	1930.2253		
	8/3/2008 10:00	285	216	1000	5.591	5.591		0.6348	6.80E-03	1731.2937	637.9308	2369.2245		
	8/3/2008 11:00	286	216	1100	5.505	5.505		0.6603	7.14E-03	1817.4334	669.6707	2487.1041		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.427	5.427		0.6842	7.46E-03	1898.6203	699.5857	2598.2060		
	8/3/2008 13:00	288	216	1300	5.377	5.377		0.6998	7.67E-03	1952.2601	719.3504	2671.6105		
	8/3/2008 14:00	289	216	1400	5.393	5.393		0.6948	7.60E-03	1934.9566	712.9745	2647.9311		
	8/3/2008 15:00	290	216	1500	5.428	5.428		0.6839	7.45E-03	1897.5604	699.1952	2596.7555		
	8/3/2008 16:00	291	216	1600	5.437	5.437		0.6811	7.42E-03	1888.0440	695.6887	2583.7327		
	8/3/2008 17:00	292	216	1700	5.469	5.469		0.6712	7.29E-03	1854.5338	683.3411	2537.8750		
	8/3/2008 18:00	293	216	1800	5.52	5.52		0.6558	7.08E-03	1802.1589	664.0425	2466.2014		
	8/3/2008 19:00	294	216	1900	5.651	5.651		0.6174	6.57E-03	1673.2024	616.5258	2289.7282		
	8/3/2008 20:00	295	216	2000	5.922	5.922		0.5434	5.62E-03	1429.8143	526.8445	1956.6589		
	8/3/2008 21:00	296	216	2100	6.728	6.728		0.3585	3.37E-03	856.8971	315.7413	1172.6384		
	8/3/2008 22:00	297	216	2200	7.261	7.261		0.2588	2.25E-03	573.6765	211.3829	785.0595		
	8/3/2008 23:00	298	216	2300	7.41	7.41		0.2335	1.99E-03	505.4037	186.2264	691.6300		
	8/4/2008 0:00	299	217	0	7.485	7.485	8.65	0.2211	1.86E-03	472.6722	174.1658	646.8380		
	8/4/2008 1:00	300	217	100	7.569	7.569		0.2076	1.72E-03	437.2666	161.1199	598.3865		
	8/4/2008 2:00	301	217	200	7.278	7.278		0.2558	2.22E-03	565.6633	208.4303	774.0935		
	8/4/2008 3:00	302	217	300	7.099	7.099		0.2875	2.57E-03	653.0446	240.6277	893.6723		
	8/4/2008 4:00	303	217	400	6.901	6.901		0.3244	2.98E-03	757.8194	279.2341	1037.0536		
	8/4/2008 5:00	304	217	500	7.073	7.073		0.2922	2.62E-03	666.3031	245.5131	911.8162		
	8/4/2008 6:00	305	217	600	7.492	7.492		0.2200	1.84E-03	469.6716	173.0602	642.7318		
	8/4/2008 7:00	306	217	700	7.597	7.597		0.2031	1.67E-03	425.7531	156.8775	582.6306		
	8/4/2008 8:00	307	217	800	7.534	7.534		0.2132	1.78E-03	451.8602	166.4972	618.3574		
	8/4/2008 9:00	308	217	900	7.187	7.187		0.2717	2.39E-03	609.2481	224.4900	833.7380		
	8/4/2008 10:00	309	217	1000	6.344	6.344		0.4407	4.34E-03	1104.9129	407.1279	1512.0407		
	8/4/2008 11:00	310	217	1100	5.782	5.782		0.5808	6.10E-03	1551.8046	571.7943	2123.5990		
	8/4/2008 12:00	311	217	1200	5.53	5.53		0.6528	7.04E-03	1792.0353	660.3123	2452.3476		
	8/4/2008 13:00	312	217	1300	5.487	5.487		0.6658	7.21E-03	1835.9052	676.4770	2512.3822		
	8/4/2008 14:00	313	217	1400	5.805	5.805		0.5745	6.02E-03	1531.2295	564.2130	2095.4425		
	8/4/2008 15:00	314	217	1500	6.153	6.153		0.4855	4.89E-03	1244.5100	458.5653	1703.0754		
	8/4/2008 16:00	315	217	1600	5.589	5.589		0.6354	6.81E-03	1733.2581	638.6546	2371.9126		
	8/4/2008 17:00	316	217	1700	5.538	5.538		0.6504	7.01E-03	1783.9705	657.3406	2441.3111		
	8/4/2008 18:00	317	217	1800	5.636	5.636		0.6217	6.63E-03	1687.5745	621.8215	2309.3961		
	8/4/2008 19:00	318	217	1900	5.903	5.903		0.5484	5.68E-03	1445.9221	532.7797	1978.7019		
	8/4/2008 20:00	319	217	2000	6.469	6.469		0.4129	4.01E-03	1019.6353	375.7056	1395.3409		
	8/4/2008 21:00	320	217	2100	7.835	7.835		0.1666	1.31E-03	333.5066	122.8873	456.3939		
	8/4/2008 22:00	321	217	2200	8.41	8.41		0.0868	5.87E-04	149.5121	55.0908	204.6029		
	8/4/2008 23:00	322	217	2300	8.65	8.65		0.0566	3.47E-04	88.4126	32.5775	120.9901		
	8/5/2008 0:00	323	218	0	8.94	8.94	9.44	0.0224	1.11E-04	28.1722	10.3806	38.5529		
	8/5/2008 1:00	324	218	100	9.12	9.12		0.0022	6.34E-06	1.6150	0.5951	2.2100		
	8/5/2008 2:00	325	218	200	9.27	9.27		-0.0140	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	9.21	9.21		-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 4:00	327	218	400	9.03	9.03		0.0122	5.24E-05	13.3307	4.9120	18.2427		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.02	9.02		0.0133	5.84E-05	14.8581	5.4748	20.3328		
	8/5/2008 6:00	329	218	600	9.16	9.16		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 7:00	330	218	700	9.27	9.27		-0.0140	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	9.16	9.16		-0.0022	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 9:00	332	218	900	7.741	7.741		0.1807	1.45E-03	368.7587	135.8767	504.6354		
	8/5/2008 10:00	333	218	1000	6.27	6.27		0.4577	4.55E-03	1157.6202	426.5490	1584.1692		
	8/5/2008 11:00	334	218	1100	6.457	6.457		0.4155	4.04E-03	1027.6234	378.6490	1406.2724		
	8/5/2008 12:00	335	218	1200	6.139	6.139		0.4888	4.93E-03	1255.2091	462.5076	1717.7168		
	8/5/2008 13:00	336	218	1300	5.687	5.687		0.6072	6.44E-03	1639.1118	603.9645	2243.0762		
	8/5/2008 14:00	337	218	1400	6.178	6.178		0.4794	4.81E-03	1225.5676	451.5856	1677.1532		
	8/5/2008 15:00	338	218	1500	6.582	6.582		0.3886	3.72E-03	946.4046	348.7223	1295.1269		
	8/5/2008 16:00	339	218	1600	6.418	6.418		0.4241	4.14E-03	1053.8725	388.3210	1442.1935		
	8/5/2008 17:00	340	218	1700	5.97	5.97		0.5310	5.46E-03	1389.7267	512.0734	1901.8000		
	8/5/2008 18:00	341	218	1800	5.751	5.751		0.5893	6.21E-03	1579.8791	582.1389	2162.0181		
	8/5/2008 19:00	342	218	1900	5.941	5.941		0.5385	5.55E-03	1413.8432	520.9596	1934.8029		
	8/5/2008 20:00	343	218	2000	6.73	6.73		0.3581	3.36E-03	855.7093	315.3037	1171.0131		
	8/5/2008 21:00	344	218	2100	8.4	8.4		0.0881	5.98E-04	152.2602	56.1034	208.3635		
	8/5/2008 22:00	345	218	2200	9.17	9.17		-0.0033	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	9.44	9.44		-0.0318	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.62	9.62	9.74	-0.0499	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.67	9.67		-0.0548	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.72	9.72		-0.0597	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.74	9.74		-0.0616	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	9.72	9.72		-0.0597	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	9.71	9.71		-0.0587	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	9.69	9.69		-0.0568	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	9.68	9.68		-0.0558	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	9.64	9.64		-0.0519	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 9:00	356	219	900	9.11	9.11		0.0033	1.05E-05	2.6639	0.9816	3.6455		
	8/6/2008 10:00	357	219	1000	6.552	6.552		0.3950	3.79E-03	965.5007	355.7586	1321.2593		
	8/6/2008 11:00	358	219	1100	5.681	5.681		0.6089	6.46E-03	1644.7544	606.0436	2250.7980		
	8/6/2008 12:00	359	219	1200	6.179	6.179		0.4792	4.81E-03	1224.8142	451.3080	1676.1222		
	8/6/2008 13:00	360	219	1300	6.466	6.466		0.4135	4.01E-03	1021.6285	376.4400	1398.0685		
	8/6/2008 14:00	361	219	1400	6.06	6.06		0.5083	5.17E-03	1316.8369	485.2156	1802.0525		
	8/6/2008 15:00	362	219	1500	5.73	5.73		0.5951	6.28E-03	1599.1240	589.2301	2188.3541		
	8/6/2008 16:00	363	219	1600	5.788	5.788		0.5791	6.07E-03	1546.4165	569.8090	2116.2254		
	8/6/2008 17:00	364	219	1700	5.7	5.7		0.6035	6.39E-03	1626.9392	599.4792	2226.4185		
	8/6/2008 18:00	365	219	1800	6.155	6.155		0.4850	4.88E-03	1242.9870	458.0041	1700.9911		
	8/6/2008 19:00	366	219	1900	6.2	6.2		0.4742	4.75E-03	1209.0694	445.5065	1654.5759		
	8/6/2008 20:00	367	219	2000	6.589	6.589		0.3872	3.70E-03	941.9842	347.0934	1289.0776		
	8/6/2008 21:00	368	219	2100	7.761	7.761		0.1777	1.42E-03	361.1310	133.0661	494.1972		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	8.87	8.87		0.0304	1.62E-04	41.1590	15.1659	56.3249		
	8/6/2008 23:00	370	219	2300	9.24	9.24		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 0:00	371	220	0	9.53	9.53	9.73	-0.0409	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	9.7	9.7		-0.0577	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	9.73	9.73		-0.0606	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	9.72	9.72		-0.0597	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	9.7	9.7		-0.0577	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	9.68	9.68		-0.0558	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	9.65	9.65		-0.0528	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 7:00	378	220	700	9.63	9.63		-0.0509	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 8:00	379	220	800	9.6	9.6		-0.0479	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 9:00	380	220	900	8.62	8.62		0.0603	3.75E-04	95.5302	35.2001	130.7302		
	8/7/2008 10:00	381	220	1000	6.267	6.267		0.4584	4.56E-03	1159.7931	427.3496	1587.1427		
	8/7/2008 11:00	382	220	1100	5.644	5.644		0.6194	6.60E-03	1679.8970	618.9926	2298.8896		
	8/7/2008 12:00	383	220	1200	5.618	5.618		0.6269	6.70E-03	1704.9530	628.2250	2333.1780		
	8/7/2008 13:00	384	220	1300	5.547	5.547		0.6477	6.97E-03	1774.9334	654.0107	2428.9442		
	8/7/2008 14:00	385	220	1400	5.554	5.554		0.6457	6.94E-03	1767.9308	651.4305	2419.3613		
	8/7/2008 15:00	386	220	1500	5.552	5.552		0.6463	6.95E-03	1769.9292	652.1668	2422.0961		
	8/7/2008 16:00	387	220	1600	5.485	5.485		0.6664	7.22E-03	1837.9673	677.2368	2515.2041		
	8/7/2008 17:00	388	220	1700	5.474	5.474		0.6697	7.26E-03	1849.3434	681.4286	2530.7720		
	8/7/2008 18:00	389	220	1800	5.599	5.599		0.6324	6.77E-03	1723.4547	635.0423	2358.4970		
	8/7/2008 19:00	390	220	1900	5.905	5.905		0.5478	5.67E-03	1444.2201	532.1526	1976.3727		
	8/7/2008 20:00	391	220	2000	6.438	6.438		0.4197	4.09E-03	1040.3562	383.3406	1423.6968		
	8/7/2008 21:00	392	220	2100	7.672	7.672		0.1913	1.55E-03	395.6099	145.7706	541.3805		
	8/7/2008 22:00	393	220	2200	8.45	8.45		0.0817	5.45E-04	138.6796	51.0993	189.7789		
	8/7/2008 23:00	394	220	2300	8.98	8.98		0.0178	8.36E-05	21.2882	7.8441	29.1322		
	8/8/2008 0:00	395	221	0	9.28	9.28	9.70	-0.0151	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 1:00	396	221	100	9.29	9.29		-0.0161	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 2:00	397	221	200	9.52	9.52		-0.0399	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	9.68	9.68		-0.0558	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	9.7	9.7		-0.0577	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	9.68	9.68		-0.0558	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	9.66	9.66		-0.0538	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	9.65	9.65		-0.0528	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 8:00	403	221	800	9.49	9.49		-0.0369	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 9:00	404	221	900	7.463	7.463		0.2247	1.89E-03	482.1627	177.6628	659.8254		
	8/8/2008 10:00	405	221	1000	5.811	5.811		0.5729	5.99E-03	1525.8973	562.2482	2088.1455		
	8/8/2008 11:00	406	221	1100	5.741	5.741		0.5921	6.24E-03	1589.0203	585.5072	2174.5276		
	8/8/2008 12:00	407	221	1200	5.598	5.598		0.6327	6.77E-03	1724.4330	635.4028	2359.8358		
	8/8/2008 13:00	408	221	1300	5.513	5.513		0.6579	7.11E-03	1809.2737	666.6641	2475.9378		
	8/8/2008 14:00	409	221	1400	5.47	5.47		0.6709	7.28E-03	1853.4948	682.9583	2536.4530		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.436	5.436		0.6814	7.42E-03	1889.0994	696.0775	2585.1769		
	8/8/2008 16:00	411	221	1600	5.401	5.401		0.6923	7.57E-03	1926.3540	709.8048	2636.1588		
	8/8/2008 17:00	412	221	1700	5.521	5.521		0.6555	7.08E-03	1801.1444	663.6687	2464.8131		
	8/8/2008 18:00	413	221	1800	5.722	5.722		0.5973	6.31E-03	1606.5041	591.9495	2198.4536		
	8/8/2008 19:00	414	221	1900	5.763	5.763		0.5860	6.16E-03	1568.9645	578.1172	2147.0818		
	8/8/2008 20:00	415	221	2000	6.343	6.343		0.4410	4.34E-03	1105.6139	407.3862	1513.0000		
	8/8/2008 21:00	416	221	2100	7.481	7.481		0.2218	1.86E-03	474.3910	174.7991	649.1901		
	8/8/2008 22:00	417	221	2200	8.19	8.19		0.1160	8.39E-04	213.6363	78.7187	292.3550		
	8/8/2008 23:00	418	221	2300	8.38	8.38		0.0907	6.20E-04	157.8040	58.1461	215.9501		
	8/9/2008 0:00	419	222	0	8.35	8.35	9.47	0.0946	6.53E-04	166.2389	61.2542	227.4931		
	8/9/2008 1:00	420	222	100	8.33	8.33		0.0972	6.75E-04	171.9416	63.3554	235.2970		
	8/9/2008 2:00	421	222	200	8.39	8.39		0.0894	6.09E-04	155.0241	57.1218	212.1459		
	8/9/2008 3:00	422	222	300	8.45	8.45		0.0817	5.45E-04	138.6796	51.0993	189.7789		
	8/9/2008 4:00	423	222	400	8.46	8.46		0.0804	5.34E-04	136.0114	50.1162	186.1276		
	8/9/2008 5:00	424	222	500	8.36	8.36		0.0933	6.42E-04	163.4114	60.2123	223.6237		
	8/9/2008 6:00	425	222	600	8.42	8.42		0.0855	5.77E-04	146.7800	54.0841	200.8641		
	8/9/2008 7:00	426	222	700	8.1	8.1		0.1284	9.51E-04	242.0878	89.2022	331.2900		
	8/9/2008 8:00	427	222	800	7.485	7.485		0.2211	1.86E-03	472.6722	174.1658	646.8380		
	8/9/2008 9:00	428	222	900	8.14	8.14		0.1229	9.01E-04	229.2827	84.4839	313.7666		
	8/9/2008 10:00	429	222	1000	7.731	7.731		0.1823	1.46E-03	372.5985	137.2916	509.8901		
	8/9/2008 11:00	430	222	1100	7.13	7.13		0.2819	2.50E-03	637.4278	234.8734	872.3011		
	8/9/2008 12:00	431	222	1200	6.43	6.43		0.4215	4.11E-03	1045.7487	385.3276	1431.0763		
	8/9/2008 13:00	432	222	1300	6.219	6.219		0.4697	4.69E-03	1194.9485	440.3033	1635.2518		
	8/9/2008 14:00	433	222	1400	5.75	5.75		0.5896	6.21E-03	1580.7914	582.4751	2163.2664		
	8/9/2008 15:00	434	222	1500	5.61	5.61		0.6292	6.73E-03	1712.7234	631.0881	2343.8115		
	8/9/2008 16:00	435	222	1600	5.58	5.58		0.6380	6.84E-03	1742.1201	641.9200	2384.0401		
	8/9/2008 17:00	436	222	1700	5.718	5.718		0.5985	6.33E-03	1610.2043	593.3129	2203.5172		
	8/9/2008 18:00	437	222	1800	5.75	5.75		0.5896	6.21E-03	1580.7914	582.4751	2163.2664		
	8/9/2008 19:00	438	222	1900	6.01	6.01		0.5208	5.33E-03	1356.9706	500.0037	1856.9744		
	8/9/2008 20:00	439	222	2000	6.59	6.59		0.3869	3.70E-03	941.3537	346.8611	1288.2149		
	8/9/2008 21:00	440	222	2100	8.19	8.19		0.1160	8.39E-04	213.6363	78.7187	292.3550		
	8/9/2008 22:00	441	222	2200	9.19	9.19		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	8/9/2008 23:00	442	222	2300	9.47	9.47		-0.0348	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	9.6	9.6	9.74	-0.0479	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	9.69	9.69		-0.0568	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	9.72	9.72		-0.0597	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	9.74	9.74		-0.0616	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 4:00	447	223	400	9.73	9.73		-0.0606	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 5:00	448	223	500	9.7	9.7		-0.0577	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 6:00	449	223	600	9.68	9.68		-0.0558	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 7:00	450	223	700	9.67	9.67		-0.0548	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	9.64	9.64		-0.0519	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 9:00	452	223	900	8.52	8.52		0.0728	4.73E-04	120.3408	44.3420	164.6828		
	8/10/2008 10:00	453	223	1000	6.344	6.344		0.4407	4.34E-03	1104.9129	407.1279	1512.0407		
	8/10/2008 11:00	454	223	1100	5.706	5.706		0.6018	6.37E-03	1621.3456	597.4181	2218.7637		
	8/10/2008 12:00	455	223	1200	5.701	5.701		0.6032	6.39E-03	1626.0059	599.1353	2225.1412		
	8/10/2008 13:00	456	223	1300	5.632	5.632		0.6229	6.64E-03	1691.4239	623.2399	2314.6639		
	8/10/2008 14:00	457	223	1400	5.597	5.597		0.6330	6.78E-03	1725.4117	635.7634	2361.1752		
	8/10/2008 15:00	458	223	1500	5.728	5.728		0.5957	6.29E-03	1600.9665	589.9090	2190.8755		
	8/10/2008 16:00	459	223	1600	5.536	5.536		0.6510	7.02E-03	1785.9839	658.0825	2444.0664		
	8/10/2008 17:00	460	223	1700	5.768	5.768		0.5846	6.15E-03	1564.4344	576.4480	2140.8824		
	8/10/2008 18:00	461	223	1800	8.23	8.23		0.1106	7.91E-04	201.4061	74.2122	275.6183		
	8/10/2008 19:00	462	223	1900	8.89	8.89		0.0281	1.47E-04	37.3350	13.7568	51.0918		
	8/10/2008 20:00	463	223	2000	8.62	8.62		0.0603	3.75E-04	95.5302	35.2001	130.7302		
	8/10/2008 21:00	464	223	2100	8.7	8.7		0.0506	3.02E-04	76.8939	28.3331	105.2270		
	8/10/2008 22:00	465	223	2200	8.94	8.94		0.0224	1.11E-04	28.1722	10.3806	38.5529		
	8/10/2008 23:00	466	223	2300	8.93	8.93		0.0235	1.18E-04	29.9574	11.0384	40.9958		
	8/11/2008 0:00	467	224	0	8.93	8.93	9.37	0.0235	1.18E-04	29.9574	11.0384	40.9958		
	8/11/2008 1:00	468	224	100	9.04	9.04		0.0111	4.65E-05	11.8388	4.3622	16.2010		
	8/11/2008 2:00	469	224	200	9.2	9.2		-0.0065	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 3:00	470	224	300	9.33	9.33		-0.0204	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 4:00	471	224	400	9.35	9.35		-0.0225	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 5:00	472	224	500	9.33	9.33		-0.0204	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 6:00	473	224	600	9.37	9.37		-0.0245	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 7:00	474	224	700	9.37	9.37		-0.0245	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 8:00	475	224	800	9.32	9.32		-0.0193	0.00E+00	0.0000	0.0000	0.0000		
	8/11/2008 9:00	476	224	900	8.34	8.34		0.0959	6.64E-04	169.0823	62.3019	231.3842		
	8/11/2008 10:00	477	224	1000	6.384	6.384		0.4317	4.23E-03	1077.1203	396.8871	1474.0075		
	8/11/2008 11:00	478	224	1100	5.9	5.9		0.5492	5.69E-03	1448.4781	533.7215	1982.1996		
	8/11/2008 12:00	479	224	1200	5.843	5.843		0.5643	5.88E-03	1497.7023	551.8592	2049.5615		
	8/11/2008 13:00	480	224	1300	6.014	6.014		0.5198	5.32E-03	1353.7270	498.8086	1852.5356		
	8/11/2008 14:00	481	224	1400	5.74	5.74		0.5923	6.25E-03	1589.9367	585.8449	2175.7816		
	8/11/2008 15:00	482	224	1500	5.659	5.659		0.6151	6.54E-03	1665.5778	613.7164	2279.2942		
	8/11/2008 16:00	483	224	1600	5.854	5.854		0.5613	5.85E-03	1488.1041	548.3226	2036.4266		
	8/11/2008 17:00	484	224	1700	5.919	5.919		0.5442	5.63E-03	1432.3486	527.7783	1960.1268		
	8/11/2008 18:00	485	224	1800	6.197	6.197		0.4749	4.76E-03	1211.3098	446.3320	1657.6418		
	8/11/2008 19:00	486	224	1900	6.335	6.335		0.4428	4.37E-03	1111.2329	409.4566	1520.6896		
	8/11/2008 20:00	487	224	2000	6.978	6.978		0.3098	2.81E-03	716.0187	263.8318	979.8505		
	8/11/2008 21:00	488	224	2100	7.845	7.845		0.1651	1.30E-03	329.8451	121.5382	451.3833		
	8/11/2008 22:00	489	224	2200	8.43	8.43		0.0842	5.66E-04	144.0639	53.0833	197.1472		
	8/11/2008 23:00	490	224	2300	8.73	8.73		0.0470	2.76E-04	70.1937	25.8643	96.0580		
	8/12/2008 0:00	491	225	0	8.91	8.91	9.56	0.0258	1.32E-04	33.5999	12.3806	45.9804		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	9	9		0.0156	7.08E-05	18.0120	6.6369	24.6488		
	8/12/2008 2:00	493	225	200	9.24	9.24		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 3:00	494	225	300	9.23	9.23		-0.0098	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 4:00	495	225	400	9.23	9.23		-0.0098	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 5:00	496	225	500	9.31	9.31		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 6:00	497	225	600	9.4	9.4		-0.0277	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 7:00	498	225	700	9.56	9.56		-0.0439	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 8:00	499	225	800	9.55	9.55		-0.0429	0.00E+00	0.0000	0.0000	0.0000		
	8/12/2008 9:00	500	225	900	8.75	8.75		0.0446	2.59E-04	65.8171	24.2516	90.0687		
	8/12/2008 10:00	501	225	1000	6.774	6.774		0.3493	3.26E-03	829.8346	305.7696	1135.6043		
	8/12/2008 11:00	502	225	1100	5.919	5.919		0.5442	5.63E-03	1432.3486	527.7783	1960.1268		
	8/12/2008 12:00	503	225	1200	5.83	5.83		0.5678	5.93E-03	1509.1073	556.0616	2065.1689		
	8/12/2008 13:00	504	225	1300	5.719	5.719		0.5982	6.32E-03	1609.2786	592.9718	2202.2504		
	8/12/2008 14:00	505	225	1400	5.695	5.695		0.6049	6.41E-03	1631.6124	601.2011	2232.8135		
	8/12/2008 15:00	506	225	1500	5.624	5.624		0.6252	6.67E-03	1699.1441	626.0846	2325.2287		
	8/12/2008 16:00	507	225	1600	5.586	5.586		0.6362	6.82E-03	1736.2080	639.7415	2375.9495		
	8/12/2008 17:00	508	225	1700	5.648	5.648		0.6183	6.58E-03	1676.0689	617.5821	2293.6509		
	8/12/2008 18:00	509	225	1800	5.733	5.733		0.5943	6.27E-03	1596.3634	588.2129	2184.5763		
	8/12/2008 19:00	510	225	1900	6.017	6.017		0.5190	5.31E-03	1351.2981	497.9136	1849.2116		
	8/12/2008 20:00	511	225	2000	6.588	6.588		0.3874	3.70E-03	942.6148	347.3258	1289.9407		
	8/12/2008 21:00	512	225	2100	8.04	8.04		0.1368	1.03E-03	261.7785	96.4577	358.2362		
	8/12/2008 22:00	513	225	2200	8.8	8.8		0.0386	2.17E-04	55.2004	20.3397	75.5401		
	8/12/2008 23:00	514	225	2300	8.99	8.99		0.0167	7.71E-05	19.6354	7.2351	26.8705		
	8/13/2008 0:00	515	226	0	9.21	9.21	9.58	-0.0076	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 1:00	516	226	100	9.24	9.24		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 2:00	517	226	200	9.25	9.25		-0.0119	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 3:00	518	226	300	9.41	9.41		-0.0287	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 4:00	519	226	400	9.41	9.41		-0.0287	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 5:00	520	226	500	9.39	9.39		-0.0266	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 6:00	521	226	600	9.56	9.56		-0.0439	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 7:00	522	226	700	9.58	9.58		-0.0459	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 8:00	523	226	800	9.31	9.31		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 9:00	524	226	900	7.57	7.57		0.2074	1.72E-03	436.8530	160.9675	597.8204		
	8/13/2008 10:00	525	226	1000	6.144	6.144		0.4876	4.92E-03	1251.3805	461.0969	1712.4773		
	8/13/2008 11:00	526	226	1100	6.108	6.108		0.4964	5.02E-03	1279.1362	471.3240	1750.4602		
	8/13/2008 12:00	527	226	1200	5.71	5.71		0.6007	6.35E-03	1617.6250	596.0472	2213.6722		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	5.127	5.127	9.52	0.8568	9.84E-03	912.5376	336.2433	1248.7809		
W708EC1	7/22/2008 14:00	1	204	1400	5.639	5.639		0.6882	7.51E-03	696.8083	256.7534	953.5617		
	7/22/2008 15:00	2	204	1500	5.588	5.588		0.7037	7.72E-03	716.0611	263.8474	979.9086		
Probe #	7/22/2008 16:00	3	204	1600	5.542	5.542		0.7178	7.91E-03	733.8163	270.3897	1004.2060		
	7/22/2008 17:00	4	204	1700	5.589	5.589		0.7033	7.72E-03	715.6793	263.7068	979.3860		
19	7/22/2008 18:00	5	204	1800	5.636	5.636		0.6891	7.52E-03	697.9285	257.1661	955.0946		
	7/22/2008 19:00	6	204	1900	5.846	5.846		0.6285	6.72E-03	623.0696	229.5828	852.6525		
	7/22/2008 20:00	7	204	2000	6.274	6.274		0.5174	5.29E-03	490.3952	180.6962	671.0914		
	7/22/2008 21:00	8	204	2100	7.882	7.882		0.2078	1.72E-03	159.5565	58.7919	218.3483		
DBH (cm)	7/22/2008 22:00	9	204	2200	9.19	9.19		0.0359	1.98E-04	18.3782	6.7718	25.1500		
	7/22/2008 23:00	10	204	2300	9.52	9.52		0.0000	0.00E+00	0.0000	0.0000	0.0000		
7.1	7/23/2008 0:00	11	205	0	9.76	9.76	9.91	-0.0246	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	9.84	9.84		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	9.87	9.87		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	9.91	9.91		-0.0394	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	9.91	9.91		-0.0394	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	9.89	9.89		-0.0374	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	9.79	9.79		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 7:00	18	205	700	9.51	9.51		0.0011	2.57E-06	0.2381	0.0877	0.3258		
	7/23/2008 8:00	19	205	800	8.68	8.68		0.0968	6.71E-04	62.2764	22.9470	85.2234		
	7/23/2008 9:00	20	205	900	7.232	7.232		0.3164	2.89E-03	267.6682	98.6278	366.2960		
	7/23/2008 10:00	21	205	1000	6.159	6.159		0.5457	5.65E-03	523.6597	192.9532	716.6129		
	7/23/2008 11:00	22	205	1100	6.051	6.051		0.5733	6.00E-03	556.4367	205.0305	761.4672		
	7/23/2008 12:00	23	205	1200	5.882	5.882		0.6185	6.59E-03	610.9282	225.1091	836.0372		
	7/23/2008 13:00	24	205	1300	5.753	5.753		0.6548	7.07E-03	655.3512	241.4776	896.8289		
	7/23/2008 14:00	25	205	1400	5.749	5.749		0.6559	7.08E-03	656.7701	242.0004	898.7705		
	7/23/2008 15:00	26	205	1500	5.737	5.737		0.6594	7.13E-03	661.0419	243.5745	904.6164		
	7/23/2008 16:00	27	205	1600	5.887	5.887		0.6171	6.57E-03	609.2572	224.4933	833.7505		
	7/23/2008 17:00	28	205	1700	6.422	6.422		0.4824	4.85E-03	449.9172	165.7812	615.6984		
	7/23/2008 18:00	29	205	1800	7.228	7.228		0.3171	2.89E-03	268.4271	98.9075	367.3346		
	7/23/2008 19:00	30	205	1900	7.16	7.16		0.3296	3.04E-03	281.5206	103.7321	385.2527		
	7/23/2008 20:00	31	205	2000	7.614	7.614		0.2503	2.16E-03	200.6408	73.9302	274.5711		
	7/23/2008 21:00	32	205	2100	8.49	8.49		0.1213	8.87E-04	82.2566	30.3091	112.5657		
	7/23/2008 22:00	33	205	2200	9.01	9.01		0.0566	3.47E-04	32.1815	11.8579	44.0394		
	7/23/2008 23:00	34	205	2300	9.06	9.06		0.0508	3.04E-04	28.1503	10.3726	38.5229		
	7/24/2008 0:00	35	206	0	9.06	9.06	9.72	0.0508	3.04E-04	28.1503	10.3726	38.5229		
	7/24/2008 1:00	36	206	100	9.13	9.13		0.0427	2.45E-04	22.7570	8.3853	31.1422		
	7/24/2008 2:00	37	206	200	9.24	9.24		0.0303	1.61E-04	14.9129	5.4950	20.4079		
	7/24/2008 3:00	38	206	300	9.36	9.36		0.0171	7.95E-05	7.3703	2.7157	10.0860		
	7/24/2008 4:00	39	206	400	9.46	9.46		0.0063	2.34E-05	2.1749	0.8014	2.9763		
	7/24/2008 5:00	40	206	500	9.58	9.58		-0.0063	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	9.63	9.63		-0.0114	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 7:00	42	206	700	9.64	9.64		-0.0124	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 8:00	43	206	800	9.41	9.41		0.0117	4.98E-05	4.6166	1.7011	6.3176		
	7/24/2008 9:00	44	206	900	8.92	8.92		0.0673	4.29E-04	39.7978	14.6643	54.4621		
	7/24/2008 10:00	45	206	1000	8.99	8.99		0.0590	3.65E-04	33.8344	12.4670	46.3014		
	7/24/2008 11:00	46	206	1100	7.087	7.087		0.3433	3.19E-03	295.9887	109.0631	405.0519		
	7/24/2008 12:00	47	206	1200	6.097	6.097		0.5614	5.85E-03	542.2884	199.8173	742.1058		
	7/24/2008 13:00	48	206	1300	6.452	6.452		0.4755	4.77E-03	442.0167	162.8701	604.8868		
	7/24/2008 14:00	49	206	1400	6.342	6.342		0.5011	5.08E-03	471.4813	173.7270	645.2082		
	7/24/2008 15:00	50	206	1500	5.955	5.955		0.5987	6.33E-03	586.8935	216.2530	803.1465		
	7/24/2008 16:00	51	206	1600	5.882	5.882		0.6185	6.59E-03	610.9282	225.1091	836.0372		
	7/24/2008 17:00	52	206	1700	6.085	6.085		0.5645	5.89E-03	545.9521	201.1673	747.1194		
	7/24/2008 18:00	53	206	1800	6.046	6.046		0.5746	6.02E-03	557.9917	205.6035	763.5952		
	7/24/2008 19:00	54	206	1900	6.39	6.39		0.4898	4.94E-03	458.4553	168.9273	627.3826		
	7/24/2008 20:00	55	206	2000	7.376	7.376		0.2907	2.60E-03	241.1591	88.8600	330.0191		
	7/24/2008 21:00	56	206	2100	8.69	8.69		0.0955	6.61E-04	61.2781	22.5792	83.8573		
	7/24/2008 22:00	57	206	2200	9.55	9.55		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	9.72	9.72		-0.0206	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	9.74	9.74	9.78	-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	9.68	9.68		-0.0165	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	9.64	9.64		-0.0124	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	9.61	9.61		-0.0094	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	9.6	9.6		-0.0083	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	9.62	9.62		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	9.67	9.67		-0.0155	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	9.63	9.63		-0.0114	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	9.6	9.6		-0.0083	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	9.53	9.53		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 10:00	69	207	1000	9.46	9.46		0.0063	2.34E-05	2.1749	0.8014	2.9763		
	7/25/2008 11:00	70	207	1100	8.71	8.71		0.0930	6.39E-04	59.2975	21.8494	81.1468		
	7/25/2008 12:00	71	207	1200	7.406	7.406		0.2854	2.54E-03	235.8306	86.8966	322.7273		
	7/25/2008 13:00	72	207	1300	6.734	6.734		0.4137	4.02E-03	372.4097	137.2220	509.6318		
	7/25/2008 14:00	73	207	1400	6.201	6.201		0.5352	5.51E-03	511.3203	188.4065	699.7268		
	7/25/2008 15:00	74	207	1500	6.155	6.155		0.5467	5.66E-03	524.8466	193.3905	718.2371		
	7/25/2008 16:00	75	207	1600	6.254	6.254		0.5222	5.35E-03	496.0633	182.7847	678.8480		
	7/25/2008 17:00	76	207	1700	6.031	6.031		0.5785	6.07E-03	562.6769	207.3299	770.0068		
	7/25/2008 18:00	77	207	1800	6.026	6.026		0.5798	6.08E-03	564.2455	207.9079	772.1534		
	7/25/2008 19:00	78	207	1900	6.114	6.114		0.5571	5.79E-03	537.1308	197.9169	735.0477		
	7/25/2008 20:00	79	207	2000	6.912	6.912		0.3773	3.58E-03	332.4880	122.5120	455.0000		
	7/25/2008 21:00	80	207	2100	8.42	8.42		0.1306	9.71E-04	90.1050	33.2010	123.3060		
	7/25/2008 22:00	81	207	2200	9.54	9.54		-0.0021	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	9.78	9.78		-0.0266	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	9.84	9.84	9.84	-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	9.84	9.84		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	9.82	9.82		-0.0305	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	9.8	9.8		-0.0286	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	9.76	9.76		-0.0246	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	9.72	9.72		-0.0206	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	9.65	9.65		-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	9.61	9.61		-0.0094	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	9.54	9.54		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 9:00	92	208	900	8.31	8.31		0.1456	1.11E-03	102.9754	37.9434	140.9188		
	7/26/2008 10:00	93	208	1000	6.674	6.674		0.4264	4.17E-03	386.5425	142.4295	528.9720		
	7/26/2008 11:00	94	208	1100	6.728	6.728		0.4150	4.03E-03	373.8072	137.7370	511.5442		
	7/26/2008 12:00	95	208	1200	6.996	6.996		0.3608	3.39E-03	314.6410	115.9360	430.5770		
	7/26/2008 13:00	96	208	1300	6.377	6.377		0.4929	4.98E-03	461.9571	170.2176	632.1746		
	7/26/2008 14:00	97	208	1400	6.243	6.243		0.5249	5.38E-03	499.2014	183.9410	683.1424		
	7/26/2008 15:00	98	208	1500	6.126	6.126		0.5540	5.75E-03	533.5128	196.5838	730.0966		
	7/26/2008 16:00	99	208	1600	6.197	6.197		0.5362	5.53E-03	512.4859	188.8360	701.3219		
	7/26/2008 17:00	100	208	1700	6.034	6.034		0.5777	6.06E-03	561.7374	206.9837	768.7211		
	7/26/2008 18:00	101	208	1800	6.098	6.098		0.5612	5.84E-03	541.9840	199.7051	741.6891		
	7/26/2008 19:00	102	208	1900	6.239	6.239		0.5259	5.39E-03	500.3462	184.3628	684.7091		
	7/26/2008 20:00	103	208	2000	6.785	6.785		0.4031	3.89E-03	360.6701	132.8963	493.5664		
	7/26/2008 21:00	104	208	2100	8.32	8.32		0.1442	1.10E-03	101.7780	37.5022	139.2802		
	7/26/2008 22:00	105	208	2200	9.43	9.43		0.0095	3.88E-05	3.5967	1.3253	4.9220		
	7/26/2008 23:00	106	208	2300	9.66	9.66		-0.0145	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	9.73	9.73	9.82	-0.0216	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	9.79	9.79		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	9.81	9.81		-0.0296	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	9.82	9.82		-0.0305	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	9.78	9.78		-0.0266	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	9.75	9.75		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 8:00	115	209	800	9.63	9.63		-0.0114	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 9:00	116	209	900	7.761	7.761		0.2266	1.91E-03	177.5363	65.4169	242.9531		
	7/27/2008 10:00	117	209	1000	6.241	6.241		0.5254	5.39E-03	499.7736	184.1518	683.9254		
	7/27/2008 11:00	118	209	1100	6.141	6.141		0.5502	5.70E-03	529.0168	194.9271	723.9439		
	7/27/2008 12:00	119	209	1200	5.944	5.944		0.6016	6.37E-03	590.4659	217.5693	808.0352		
	7/27/2008 13:00	120	209	1300	5.98	5.98		0.5920	6.24E-03	578.8384	213.2849	792.1233		
	7/27/2008 14:00	121	209	1400	5.778	5.778		0.6476	6.97E-03	646.5410	238.2313	884.7724		
	7/27/2008 15:00	122	209	1500	5.721	5.721		0.6640	7.19E-03	666.7736	245.6865	912.4601		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	5.741	5.741		0.6582	7.11E-03	659.6154	243.0489	902.6642		
	7/27/2008 17:00	124	209	1700	5.768	5.768		0.6505	7.01E-03	650.0533	239.5255	889.5788		
	7/27/2008 18:00	125	209	1800	5.819	5.819		0.6360	6.82E-03	632.3040	232.9854	865.2895		
	7/27/2008 19:00	126	209	1900	5.98	5.98		0.5920	6.24E-03	578.8384	213.2849	792.1233		
	7/27/2008 20:00	127	209	2000	6.414	6.414		0.4843	4.87E-03	452.0409	166.5638	618.6047		
	7/27/2008 21:00	128	209	2100	7.629	7.629		0.2479	2.14E-03	198.2180	73.0375	271.2555		
	7/27/2008 22:00	129	209	2200	8.89	8.89		0.0709	4.58E-04	42.4369	15.6367	58.0736		
	7/27/2008 23:00	130	209	2300	9.09	9.09		0.0473	2.78E-04	25.8025	9.5074	35.3099		
	7/28/2008 0:00	131	210	0	9.15	9.15	9.77	0.0404	2.29E-04	21.2716	7.8380	29.1096		
	7/28/2008 1:00	132	210	100	9.31	9.31		0.0226	1.12E-04	10.3688	3.8206	14.1894		
	7/28/2008 2:00	133	210	200	9.4	9.4		0.0128	5.55E-05	5.1452	1.8959	7.0411		
	7/28/2008 3:00	134	210	300	9.55	9.55		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 4:00	135	210	400	9.58	9.58		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 5:00	136	210	500	9.72	9.72		-0.0206	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 6:00	137	210	600	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 7:00	138	210	700	9.73	9.73		-0.0216	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 8:00	139	210	800	8.17	8.17		0.1652	1.30E-03	120.3231	44.3355	164.6586		
	7/28/2008 9:00	140	210	900	6.762	6.762		0.4079	3.95E-03	365.9338	134.8358	500.7696		
	7/28/2008 10:00	141	210	1000	6.278	6.278		0.5164	5.28E-03	489.2674	180.2806	669.5480		
	7/28/2008 11:00	142	210	1100	6.197	6.197		0.5362	5.53E-03	512.4859	188.8360	701.3219		
	7/28/2008 12:00	143	210	1200	6.152	6.152		0.5475	5.67E-03	525.7381	193.7190	719.4571		
	7/28/2008 13:00	144	210	1300	6.01	6.01		0.5840	6.14E-03	569.2881	209.7659	779.0540		
	7/28/2008 14:00	145	210	1400	5.935	5.935		0.6040	6.40E-03	593.4016	218.6510	812.0527		
	7/28/2008 15:00	146	210	1500	5.784	5.784		0.6459	6.95E-03	644.4412	237.4576	881.8989		
	7/28/2008 16:00	147	210	1600	5.801	5.801		0.6411	6.88E-03	638.5223	235.2767	873.7990		
	7/28/2008 17:00	148	210	1700	5.825	5.825		0.6343	6.80E-03	630.2423	232.2258	862.4681		
	7/28/2008 18:00	149	210	1800	5.849	5.849		0.6276	6.71E-03	622.0504	229.2073	851.2577		
	7/28/2008 19:00	150	210	1900	6.047	6.047		0.5743	6.01E-03	557.6804	205.4888	763.1692		
	7/28/2008 20:00	151	210	2000	6.704	6.704		0.4200	4.09E-03	379.4321	139.8096	519.2417		
	7/28/2008 21:00	152	210	2100	8.13	8.13		0.1710	1.35E-03	125.4825	46.2366	171.7191		
	7/28/2008 22:00	153	210	2200	8.73	8.73		0.0905	6.18E-04	57.3382	21.1274	78.4656		
	7/28/2008 23:00	154	210	2300	8.94	8.94		0.0649	4.10E-04	38.0660	14.0262	52.0922		
	7/29/2008 0:00	155	211	0	9.2	9.2	9.89	0.0348	1.91E-04	17.6714	6.5114	24.1828		
	7/29/2008 1:00	156	211	100	9.42	9.42		0.0106	4.42E-05	4.1001	1.5108	5.6109		
	7/29/2008 2:00	157	211	200	9.61	9.61		-0.0094	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 3:00	158	211	300	9.73	9.73		-0.0216	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 4:00	159	211	400	9.85	9.85		-0.0335	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 5:00	160	211	500	9.89	9.89		-0.0374	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	9.88	9.88		-0.0364	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 7:00	162	211	700	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 8:00	163	211	800	9.14	9.14		0.0416	2.37E-04	22.0111	8.1105	30.1216		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	7.493	7.493		0.2705	2.38E-03	220.7442	81.3377	302.0819		
	7/29/2008 10:00	165	211	1000	6.627	6.627		0.4365	4.29E-03	397.8618	146.6004	544.4621		
	7/29/2008 11:00	166	211	1100	6.89	6.89		0.3817	3.64E-03	337.2649	124.2722	461.5371		
	7/29/2008 12:00	167	211	1200	6.312	6.312		0.5082	5.17E-03	479.7582	176.7768	656.5350		
	7/29/2008 13:00	168	211	1300	6.253	6.253		0.5225	5.35E-03	496.3479	182.8896	679.2375		
	7/29/2008 14:00	169	211	1400	6.014	6.014		0.5830	6.12E-03	568.0241	209.3002	777.3243		
	7/29/2008 15:00	170	211	1500	6.133	6.133		0.5523	5.73E-03	531.4110	195.8093	727.2204		
	7/29/2008 16:00	171	211	1600	6.331	6.331		0.5037	5.12E-03	474.5039	174.8407	649.3446		
	7/29/2008 17:00	172	211	1700	6.569	6.569		0.4492	4.44E-03	412.1393	151.8612	564.0005		
	7/29/2008 18:00	173	211	1800	6.614	6.614		0.4394	4.32E-03	401.0319	147.7685	548.8004		
	7/29/2008 19:00	174	211	1900	6.572	6.572		0.4486	4.44E-03	411.3923	151.5859	562.9782		
	7/29/2008 20:00	175	211	2000	7.412	7.412		0.2844	2.53E-03	234.7728	86.5069	321.2796		
	7/29/2008 21:00	176	211	2100	8.85	8.85		0.0757	4.96E-04	46.0325	16.9616	62.9941		
	7/29/2008 22:00	177	211	2200	9.52	9.52		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 23:00	178	211	2300	9.75	9.75		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 0:00	179	212	0	9.84	9.84	9.87	-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	9.87	9.87		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 2:00	181	212	200	9.87	9.87		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 3:00	182	212	300	9.87	9.87		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 4:00	183	212	400	9.86	9.86		-0.0345	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 5:00	184	212	500	9.83	9.83		-0.0315	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 6:00	185	212	600	9.79	9.79		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 7:00	186	212	700	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 8:00	187	212	800	9.74	9.74		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 9:00	188	212	900	8.56	8.56		0.1121	8.05E-04	74.6714	27.5142	102.1856		
	7/30/2008 10:00	189	212	1000	6.552	6.552		0.4530	4.49E-03	416.3900	153.4275	569.8175		
	7/30/2008 11:00	190	212	1100	6.314	6.314		0.5078	5.17E-03	479.2031	176.5722	655.7754		
	7/30/2008 12:00	191	212	1200	6.215	6.215		0.5318	5.47E-03	507.2564	186.9090	694.1654		
	7/30/2008 13:00	192	212	1300	6.152	6.152		0.5475	5.67E-03	525.7381	193.7190	719.4571		
	7/30/2008 14:00	193	212	1400	6.106	6.106		0.5591	5.82E-03	539.5532	198.8095	738.3626		
	7/30/2008 15:00	194	212	1500	6.237	6.237		0.5264	5.40E-03	500.9193	184.5740	685.4934		
	7/30/2008 16:00	195	212	1600	6.093	6.093		0.5624	5.86E-03	543.5075	200.2665	743.7741		
	7/30/2008 17:00	196	212	1700	6.09	6.09		0.5632	5.87E-03	544.4232	200.6039	745.0272		
	7/30/2008 18:00	197	212	1800	6.146	6.146		0.5490	5.69E-03	527.5245	194.3773	721.9018		
	7/30/2008 19:00	198	212	1900	6.23	6.23		0.5281	5.42E-03	502.9292	185.3146	688.2438		
	7/30/2008 20:00	199	212	2000	6.788	6.788		0.4025	3.88E-03	359.9872	132.6447	492.6319		
	7/30/2008 21:00	200	212	2100	8.19	8.19		0.1624	1.27E-03	117.7775	43.3975	161.1751		
	7/30/2008 22:00	201	212	2200	9.15	9.15		0.0404	2.29E-04	21.2716	7.8380	29.1096		
	7/30/2008 23:00	202	212	2300	9.46	9.46		0.0063	2.34E-05	2.1749	0.8014	2.9763		
	7/31/2008 0:00	203	213	0	9.67	9.67	9.89	-0.0155	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 1:00	204	213	100	9.78	9.78		-0.0266	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	9.81	9.81		-0.0296	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 3:00	206	213	300	9.84	9.84		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 4:00	207	213	400	9.88	9.88		-0.0364	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	9.89	9.89		-0.0374	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	9.88	9.88		-0.0364	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 7:00	210	213	700	9.87	9.87		-0.0355	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 8:00	211	213	800	9.78	9.78		-0.0266	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 9:00	212	213	900	8.32	8.32		0.1442	1.10E-03	101.7780	37.5022	139.2802		
	7/31/2008 10:00	213	213	1000	6.463	6.463		0.4730	4.73E-03	439.1448	161.8119	600.9567		
	7/31/2008 11:00	214	213	1100	6.353	6.353		0.4985	5.05E-03	468.4727	172.6184	641.0911		
	7/31/2008 12:00	215	213	1200	6.063	6.063		0.5702	5.96E-03	552.7185	203.6605	756.3790		
	7/31/2008 13:00	216	213	1300	6.256	6.256		0.5217	5.34E-03	495.4943	182.5751	678.0693		
	7/31/2008 14:00	217	213	1400	5.905	5.905		0.6122	6.50E-03	603.2719	222.2879	825.5599		
	7/31/2008 15:00	218	213	1500	5.875	5.875		0.6204	6.61E-03	613.2739	225.9734	839.2472		
	7/31/2008 16:00	219	213	1600	5.914	5.914		0.6097	6.47E-03	600.2971	221.1918	821.4889		
	7/31/2008 17:00	220	213	1700	5.956	5.956		0.5984	6.32E-03	586.5696	216.1336	802.7033		
	7/31/2008 18:00	221	213	1800	5.999	5.999		0.5869	6.18E-03	572.7753	211.0508	783.8261		
	7/31/2008 19:00	222	213	1900	6.283	6.283		0.5152	5.26E-03	487.8603	179.7622	667.6225		
	7/31/2008 20:00	223	213	2000	7.076	7.076		0.3454	3.22E-03	298.2066	109.8804	408.0870		
	7/31/2008 21:00	224	213	2100	7.974	7.974		0.1939	1.58E-03	146.4896	53.9771	200.4668		
	7/31/2008 22:00	225	213	2200	8.72	8.72		0.0917	6.29E-04	58.3152	21.4874	79.8026		
	7/31/2008 23:00	226	213	2300	8.78	8.78		0.0843	5.66E-04	52.5335	19.3570	71.8905		
	8/1/2008 0:00	227	214	0	9.08	9.08	9.83	0.0485	2.87E-04	26.5791	9.7936	36.3727		
	8/1/2008 1:00	228	214	100	9.49	9.49		0.0032	9.95E-06	0.9229	0.3401	1.2630		
	8/1/2008 2:00	229	214	200	9.66	9.66		-0.0145	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 3:00	230	214	300	9.71	9.71		-0.0196	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 4:00	231	214	400	9.79	9.79		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	9.83	9.83		-0.0315	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	9.78	9.78		-0.0266	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	9.72	9.72		-0.0206	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	9.65	9.65		-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 9:00	236	214	900	8.41	8.41		0.1320	9.84E-04	91.2478	33.6221	124.8699		
	8/1/2008 10:00	237	214	1000	6.494	6.494		0.4660	4.65E-03	431.1223	158.8559	589.9782		
	8/1/2008 11:00	238	214	1100	6.356	6.356		0.4978	5.04E-03	467.6546	172.3170	639.9716		
	8/1/2008 12:00	239	214	1200	6.262	6.262		0.5203	5.32E-03	493.7902	181.9472	675.7374		
	8/1/2008 13:00	240	214	1300	6.069	6.069		0.5686	5.94E-03	550.8667	202.9782	753.8449		
	8/1/2008 14:00	241	214	1400	5.991	5.991		0.5891	6.20E-03	575.3220	211.9892	787.3113		
	8/1/2008 15:00	242	214	1500	5.924	5.924		0.6070	6.44E-03	597.0056	219.9790	816.9846		
	8/1/2008 16:00	243	214	1600	6.002	6.002		0.5861	6.17E-03	571.8226	210.6998	782.5224		
	8/1/2008 17:00	244	214	1700	6.095	6.095		0.5619	5.85E-03	542.8977	200.0418	742.9396		
	8/1/2008 18:00	245	214	1800	6.091	6.091		0.5630	5.87E-03	544.1179	200.4914	744.6093		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	6.278	6.278		0.5164	5.28E-03	489.2674	180.2806	669.5480		
	8/1/2008 20:00	247	214	2000	7.023	7.023		0.3555	3.33E-03	309.0340	113.8699	422.9040		
	8/1/2008 21:00	248	214	2100	8.61	8.61		0.1057	7.48E-04	69.4136	25.5769	94.9905		
	8/1/2008 22:00	249	214	2200	9.42	9.42		0.0106	4.42E-05	4.1001	1.5108	5.6109		
	8/1/2008 23:00	250	214	2300	9.58	9.58		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 0:00	251	215	0	9.65	9.65	9.88	-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	9.76	9.76		-0.0246	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	9.86	9.86		-0.0345	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	9.88	9.88		-0.0364	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	9.84	9.84		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	9.82	9.82		-0.0305	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 6:00	257	215	600	9.84	9.84		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 8:00	259	215	800	8.63	8.63		0.1031	7.26E-04	67.3478	24.8157	92.1635		
	8/2/2008 9:00	260	215	900	6.8	6.8		0.4000	3.85E-03	357.2641	131.6413	488.9054		
	8/2/2008 10:00	261	215	1000	6.551	6.551		0.4532	4.49E-03	416.6410	153.5199	570.1609		
	8/2/2008 11:00	262	215	1100	6.396	6.396		0.4884	4.93E-03	456.8456	168.3342	625.1798		
	8/2/2008 12:00	263	215	1200	6.199	6.199		0.5357	5.52E-03	511.9028	188.6211	700.5240		
	8/2/2008 13:00	264	215	1300	6.091	6.091		0.5630	5.87E-03	544.1179	200.4914	744.6093		
	8/2/2008 14:00	265	215	1400	6.065	6.065		0.5697	5.95E-03	552.1007	203.4329	755.5336		
	8/2/2008 15:00	266	215	1500	6.017	6.017		0.5822	6.11E-03	567.0776	208.9514	776.0290		
	8/2/2008 16:00	267	215	1600	6.014	6.014		0.5830	6.12E-03	568.0241	209.3002	777.3243		
	8/2/2008 17:00	268	215	1700	6.044	6.044		0.5751	6.02E-03	558.6146	205.8330	764.4476		
	8/2/2008 18:00	269	215	1800	6.14	6.14		0.5505	5.71E-03	529.3156	195.0372	724.3528		
	8/2/2008 19:00	270	215	1900	6.307	6.307		0.5094	5.19E-03	481.1480	177.2889	658.4369		
	8/2/2008 20:00	271	215	2000	6.918	6.918		0.3761	3.57E-03	331.1927	122.0347	453.2274		
	8/2/2008 21:00	272	215	2100	8.03	8.03		0.1856	1.50E-03	138.7845	51.1380	189.9225		
	8/2/2008 22:00	273	215	2200	8.97	8.97		0.0613	3.83E-04	35.5101	13.0844	48.5946		
	8/2/2008 23:00	274	215	2300	9.28	9.28		0.0259	1.32E-04	12.2699	4.5211	16.7910		
	8/3/2008 0:00	275	216	0	9.24	9.24	9.77	0.0303	1.61E-04	14.9129	5.4950	20.4079		
	8/3/2008 1:00	276	216	100	9.08	9.08		0.0485	2.87E-04	26.5791	9.7936	36.3727		
	8/3/2008 2:00	277	216	200	9.28	9.28		0.0259	1.32E-04	12.2699	4.5211	16.7910		
	8/3/2008 3:00	278	216	300	9.53	9.53		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 4:00	279	216	400	9.67	9.67		-0.0155	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 5:00	280	216	500	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 6:00	281	216	600	9.67	9.67		-0.0155	0.00E+00	0.0000	0.0000	0.0000		
	8/3/2008 7:00	282	216	700	9.47	9.47		0.0053	1.87E-05	1.7354	0.6394	2.3748		
	8/3/2008 8:00	283	216	800	8.44	8.44		0.1280	9.47E-04	87.8356	32.3648	120.2004		
	8/3/2008 9:00	284	216	900	6.63	6.63		0.4359	4.28E-03	397.1326	146.3317	543.4643		
	8/3/2008 10:00	285	216	1000	6.205	6.205		0.5342	5.50E-03	510.1567	187.9777	698.1344		
	8/3/2008 11:00	286	216	1100	6.092	6.092		0.5627	5.86E-03	543.8126	200.3790	744.1916		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	5.967	5.967		0.5954	6.29E-03	583.0160	214.8243	797.8403		
	8/3/2008 13:00	288	216	1300	5.908	5.908		0.6114	6.49E-03	602.2790	221.9221	824.2011		
	8/3/2008 14:00	289	216	1400	5.941	5.941		0.6024	6.38E-03	591.4432	217.9294	809.3726		
	8/3/2008 15:00	290	216	1500	5.988	5.988		0.5898	6.21E-03	576.2794	212.3420	788.6214		
	8/3/2008 16:00	291	216	1600	6.009	6.009		0.5843	6.14E-03	569.6044	209.8825	779.4868		
	8/3/2008 17:00	292	216	1700	6.038	6.038		0.5767	6.04E-03	560.4867	206.5228	767.0095		
	8/3/2008 18:00	293	216	1800	6.085	6.085		0.5645	5.89E-03	545.9521	201.1673	747.1194		
	8/3/2008 19:00	294	216	1900	6.192	6.192		0.5375	5.54E-03	513.9457	189.3739	703.3196		
	8/3/2008 20:00	295	216	2000	6.488	6.488		0.4673	4.66E-03	432.6669	159.4250	592.0919		
	8/3/2008 21:00	296	216	2100	7.373	7.373		0.2912	2.61E-03	241.6956	89.0577	330.7533		
	8/3/2008 22:00	297	216	2200	8.03	8.03		0.1856	1.50E-03	138.7845	51.1380	189.9225		
	8/3/2008 23:00	298	216	2300	8.18	8.18		0.1638	1.28E-03	119.0475	43.8655	162.9130		
	8/4/2008 0:00	299	217	0	8.28	8.28	9.27	0.1498	1.15E-03	106.6007	39.2792	145.8800		
	8/4/2008 1:00	300	217	100	8.39	8.39		0.1347	1.01E-03	93.5496	34.4703	128.0199		
	8/4/2008 2:00	301	217	200	8.13	8.13		0.1710	1.35E-03	125.4825	46.2366	171.7191		
	8/4/2008 3:00	302	217	300	7.938	7.938		0.1993	1.63E-03	151.5418	55.8387	207.3804		
	8/4/2008 4:00	303	217	400	7.748	7.748		0.2287	1.94E-03	179.5229	66.1489	245.6718		
	8/4/2008 5:00	304	217	500	7.933	7.933		0.2001	1.64E-03	152.2496	56.0995	208.3491		
	8/4/2008 6:00	305	217	600	8.39	8.39		0.1347	1.01E-03	93.5496	34.4703	128.0199		
	8/4/2008 7:00	306	217	700	8.48	8.48		0.1226	8.99E-04	83.3616	30.7163	114.0779		
	8/4/2008 8:00	307	217	800	8.29	8.29		0.1484	1.14E-03	105.3868	38.8319	144.2187		
	8/4/2008 9:00	308	217	900	7.901	7.901		0.2049	1.69E-03	156.8158	57.7820	214.5978		
	8/4/2008 10:00	309	217	1000	6.971	6.971		0.3657	3.45E-03	319.8884	117.8695	437.7579		
	8/4/2008 11:00	310	217	1100	6.427	6.427		0.4813	4.84E-03	448.5935	165.2935	613.8870		
	8/4/2008 12:00	311	217	1200	6.13	6.13		0.5530	5.74E-03	532.3110	196.1410	728.4520		
	8/4/2008 13:00	312	217	1300	6.075	6.075		0.5671	5.92E-03	549.0197	202.2976	751.3173		
	8/4/2008 14:00	313	217	1400	6.441	6.441		0.4780	4.80E-03	444.9019	163.9333	608.8352		
	8/4/2008 15:00	314	217	1500	6.83	6.83		0.3939	3.78E-03	350.5150	129.1545	479.6695		
	8/4/2008 16:00	315	217	1600	6.28	6.28		0.5159	5.27E-03	488.7042	180.0731	668.7773		
	8/4/2008 17:00	316	217	1700	6.213	6.213		0.5323	5.48E-03	507.8355	187.1224	694.9579		
	8/4/2008 18:00	317	217	1800	6.264	6.264		0.5198	5.32E-03	493.2232	181.7382	674.9614		
	8/4/2008 19:00	318	217	1900	6.502	6.502		0.4642	4.63E-03	429.0689	158.0993	587.1682		
	8/4/2008 20:00	319	217	2000	7.08	7.08		0.3446	3.21E-03	297.3989	109.5828	406.9817		
	8/4/2008 21:00	320	217	2100	8.55	8.55		0.1135	8.17E-04	75.7389	27.9076	103.6465		
	8/4/2008 22:00	321	217	2200	9.14	9.14		0.0416	2.37E-04	22.0111	8.1105	30.1216		
	8/4/2008 23:00	322	217	2300	9.27	9.27		0.0270	1.39E-04	12.9194	4.7604	17.6798		
	8/5/2008 0:00	323	218	0	9.43	9.43	9.76	0.0095	3.88E-05	3.5967	1.3253	4.9220		
	8/5/2008 1:00	324	218	100	9.53	9.53		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 2:00	325	218	200	9.61	9.61		-0.0094	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 3:00	326	218	300	9.59	9.59		-0.0073	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 4:00	327	218	400	9.53	9.53		-0.0010	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	9.56	9.56		-0.0042	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 6:00	329	218	600	9.62	9.62		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 7:00	330	218	700	9.65	9.65		-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 8:00	331	218	800	9.58	9.58		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 9:00	332	218	900	8.4	8.4		0.1333	9.96E-04	92.3960	34.0452	126.4412		
	8/5/2008 10:00	333	218	1000	6.86	6.86		0.3878	3.71E-03	343.8490	126.6982	470.5473		
	8/5/2008 11:00	334	218	1100	7.115	7.115		0.3380	3.13E-03	290.3881	106.9995	397.3876		
	8/5/2008 12:00	335	218	1200	6.797	6.797		0.4006	3.86E-03	357.9436	131.8917	489.8353		
	8/5/2008 13:00	336	218	1300	6.355	6.355		0.4980	5.05E-03	467.9272	172.4174	640.3446		
	8/5/2008 14:00	337	218	1400	6.873	6.873		0.3851	3.68E-03	340.9859	125.6433	466.6292		
	8/5/2008 15:00	338	218	1500	7.254	7.254		0.3124	2.84E-03	263.5163	97.0980	360.6143		
	8/5/2008 16:00	339	218	1600	7.151	7.151		0.3313	3.05E-03	283.2811	104.3807	387.6618		
	8/5/2008 17:00	340	218	1700	6.658	6.658		0.4299	4.21E-03	390.3710	143.8402	534.2113		
	8/5/2008 18:00	341	218	1800	6.442	6.442		0.4778	4.79E-03	444.6391	163.8364	608.4755		
	8/5/2008 19:00	342	218	1900	6.562	6.562		0.4508	4.46E-03	413.8859	152.5048	566.3907		
	8/5/2008 20:00	343	218	2000	7.313	7.313		0.3018	2.72E-03	252.5646	93.0626	345.6272		
	8/5/2008 21:00	344	218	2100	8.92	8.92		0.0673	4.29E-04	39.7978	14.6643	54.4621		
	8/5/2008 22:00	345	218	2200	9.61	9.61		-0.0094	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	9.76	9.76		-0.0246	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	9.85	9.85	9.85	-0.0335	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	9.85	9.85		-0.0335	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	9.84	9.84		-0.0325	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	9.81	9.81		-0.0296	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	9.75	9.75		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	9.7	9.7		-0.0186	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	9.64	9.64		-0.0124	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	9.59	9.59		-0.0073	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 9:00	356	219	900	9.28	9.28		0.0259	1.32E-04	12.2699	4.5211	16.7910		
	8/6/2008 10:00	357	219	1000	6.993	6.993		0.3614	3.40E-03	315.2679	116.1669	431.4348		
	8/6/2008 11:00	358	219	1100	6.157	6.157		0.5462	5.65E-03	524.2529	193.1718	717.4246		
	8/6/2008 12:00	359	219	1200	6.746	6.746		0.4112	3.99E-03	369.6251	136.1960	505.8211		
	8/6/2008 13:00	360	219	1300	7.155	7.155		0.3305	3.05E-03	282.4979	104.0921	386.5900		
	8/6/2008 14:00	361	219	1400	6.726	6.726		0.4154	4.04E-03	374.2739	137.9089	512.1828		
	8/6/2008 15:00	362	219	1500	6.38	6.38		0.4922	4.97E-03	461.1473	169.9192	631.0664		
	8/6/2008 16:00	363	219	1600	6.442	6.442		0.4778	4.79E-03	444.6391	163.8364	608.4755		
	8/6/2008 17:00	364	219	1700	6.379	6.379		0.4924	4.97E-03	461.4171	170.0186	631.4357		
	8/6/2008 18:00	365	219	1800	6.773	6.773		0.4056	3.92E-03	363.4101	133.9059	497.3160		
	8/6/2008 19:00	366	219	1900	6.832	6.832		0.3934	3.77E-03	350.0681	128.9898	479.0578		
	8/6/2008 20:00	367	219	2000	7.119	7.119		0.3373	3.12E-03	289.5933	106.7066	396.2999		
	8/6/2008 21:00	368	219	2100	8.4	8.4		0.1333	9.96E-04	92.3960	34.0452	126.4412		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	9.48	9.48		0.0042	1.42E-05	1.3169	0.4852	1.8021		
	8/6/2008 23:00	370	219	2300	9.7	9.7		-0.0186	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 0:00	371	220	0	9.79	9.79	9.79	-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	9.79	9.79		-0.0276	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	9.74	9.74		-0.0226	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	9.67	9.67		-0.0155	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	9.6	9.6		-0.0083	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	9.53	9.53		-0.0010	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	9.47	9.47		0.0053	1.87E-05	1.7354	0.6394	2.3748		
	8/7/2008 7:00	378	220	700	9.41	9.41		0.0117	4.98E-05	4.6166	1.7011	6.3176		
	8/7/2008 8:00	379	220	800	9.32	9.32		0.0215	1.05E-04	9.7515	3.5931	13.3446		
	8/7/2008 9:00	380	220	900	8.56	8.56		0.1121	8.05E-04	74.6714	27.5142	102.1856		
	8/7/2008 10:00	381	220	1000	6.335	6.335		0.5028	5.10E-03	473.4031	174.4351	647.8382		
	8/7/2008 11:00	382	220	1100	5.831	5.831		0.6327	6.77E-03	628.1862	231.4681	859.6543		
	8/7/2008 12:00	383	220	1200	5.913	5.913		0.6100	6.48E-03	600.6271	221.3134	821.9404		
	8/7/2008 13:00	384	220	1300	5.946	5.946		0.6011	6.36E-03	589.8151	217.3295	807.1446		
	8/7/2008 14:00	385	220	1400	6.039	6.039		0.5764	6.04E-03	560.1743	206.4077	766.5821		
	8/7/2008 15:00	386	220	1500	6.107	6.107		0.5589	5.81E-03	539.2499	198.6977	737.9476		
	8/7/2008 16:00	387	220	1600	6.109	6.109		0.5584	5.81E-03	538.6438	198.4744	737.1182		
	8/7/2008 17:00	388	220	1700	6.087	6.087		0.5640	5.88E-03	545.3402	200.9418	746.2819		
	8/7/2008 18:00	389	220	1800	6.148	6.148		0.5485	5.68E-03	526.9285	194.1576	721.0862		
	8/7/2008 19:00	390	220	1900	6.406	6.406		0.4861	4.90E-03	454.1718	167.3489	621.5208		
	8/7/2008 20:00	391	220	2000	6.887	6.887		0.3823	3.64E-03	337.9197	124.5134	462.4331		
	8/7/2008 21:00	392	220	2100	8.25	8.25		0.1539	1.19E-03	110.2760	40.6335	150.9095		
	8/7/2008 22:00	393	220	2200	9.09	9.09		0.0473	2.78E-04	25.8025	9.5074	35.3099		
	8/7/2008 23:00	394	220	2300	9.45	9.45		0.0074	2.84E-05	2.6328	0.9701	3.6029		
	8/8/2008 0:00	395	221	0	9.65	9.65	9.77	-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 1:00	396	221	100	9.65	9.65		-0.0135	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 2:00	397	221	200	9.75	9.75		-0.0236	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	9.77	9.77		-0.0256	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	9.7	9.7		-0.0186	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	9.62	9.62		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	9.54	9.54		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	9.46	9.46		0.0063	2.34E-05	2.1749	0.8014	2.9763		
	8/8/2008 8:00	403	221	800	9.33	9.33		0.0204	9.86E-05	9.1427	3.3688	12.5115		
	8/8/2008 9:00	404	221	900	7.547	7.547		0.2614	2.28E-03	211.6483	77.9862	289.6344		
	8/8/2008 10:00	405	221	1000	6.036	6.036		0.5772	6.05E-03	561.1118	206.7532	767.8649		
	8/8/2008 11:00	406	221	1100	6.073	6.073		0.5676	5.93E-03	549.6349	202.5243	752.1591		
	8/8/2008 12:00	407	221	1200	5.987	5.987		0.5901	6.22E-03	576.5988	212.4597	789.0584		
	8/8/2008 13:00	408	221	1300	5.989	5.989		0.5896	6.21E-03	575.9601	212.2244	788.1845		
	8/8/2008 14:00	409	221	1400	6.01	6.01		0.5840	6.14E-03	569.2881	209.7659	779.0540		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	5.976	5.976		0.5930	6.25E-03	580.1213	213.7576	793.8789		
	8/8/2008 16:00	411	221	1600	5.952	5.952		0.5995	6.34E-03	587.8661	216.6114	804.4775		
	8/8/2008 17:00	412	221	1700	6.089	6.089		0.5635	5.87E-03	544.7288	200.7165	745.4453		
	8/8/2008 18:00	413	221	1800	6.309	6.309		0.5090	5.18E-03	480.5917	177.0839	657.6756		
	8/8/2008 19:00	414	221	1900	6.305	6.305		0.5099	5.19E-03	481.7047	177.4940	659.1988		
	8/8/2008 20:00	415	221	2000	6.928	6.928		0.3741	3.55E-03	329.0409	121.2419	450.2828		
	8/8/2008 21:00	416	221	2100	8.13	8.13		0.1710	1.35E-03	125.4825	46.2366	171.7191		
	8/8/2008 22:00	417	221	2200	8.84	8.84		0.0769	5.06E-04	46.9450	17.2978	64.2428		
	8/8/2008 23:00	418	221	2300	9.02	9.02		0.0554	3.38E-04	31.3636	11.5566	42.9202		
	8/9/2008 0:00	419	222	0	9.02	9.02	9.62	0.0554	3.38E-04	31.3636	11.5566	42.9202		
	8/9/2008 1:00	420	222	100	8.99	8.99		0.0590	3.65E-04	33.8344	12.4670	46.3014		
	8/9/2008 2:00	421	222	200	9.02	9.02		0.0554	3.38E-04	31.3636	11.5566	42.9202		
	8/9/2008 3:00	422	222	300	9.04	9.04		0.0531	3.21E-04	29.7453	10.9603	40.7055		
	8/9/2008 4:00	423	222	400	9.03	9.03		0.0543	3.29E-04	30.5515	11.2573	41.8089		
	8/9/2008 5:00	424	222	500	8.94	8.94		0.0649	4.10E-04	38.0660	14.0262	52.0922		
	8/9/2008 6:00	425	222	600	8.96	8.96		0.0625	3.92E-04	36.3565	13.3963	49.7528		
	8/9/2008 7:00	426	222	700	8.66	8.66		0.0993	6.93E-04	64.2890	23.6886	87.9776		
	8/9/2008 8:00	427	222	800	7.979	7.979		0.1931	1.57E-03	145.7941	53.7208	199.5149		
	8/9/2008 9:00	428	222	900	8.56	8.56		0.1121	8.05E-04	74.6714	27.5142	102.1856		
	8/9/2008 10:00	429	222	1000	8.3	8.3		0.1470	1.12E-03	104.1783	38.3866	142.5650		
	8/9/2008 11:00	430	222	1100	7.606	7.606		0.2516	2.18E-03	201.9392	74.4086	276.3478		
	8/9/2008 12:00	431	222	1200	6.912	6.912		0.3773	3.58E-03	332.4880	122.5120	455.0000		
	8/9/2008 13:00	432	222	1300	6.713	6.713		0.4181	4.07E-03	377.3162	139.0299	516.3462		
	8/9/2008 14:00	433	222	1400	6.292	6.292		0.5130	5.23E-03	485.3352	178.8317	664.1669		
	8/9/2008 15:00	434	222	1500	6.182	6.182		0.5400	5.57E-03	516.8748	190.4532	707.3280		
	8/9/2008 16:00	435	222	1600	6.191	6.191		0.5377	5.54E-03	514.2381	189.4816	703.7197		
	8/9/2008 17:00	436	222	1700	6.373	6.373		0.4938	4.99E-03	463.0384	170.6160	633.6544		
	8/9/2008 18:00	437	222	1800	6.399	6.399		0.4877	4.92E-03	456.0423	168.0382	624.0804		
	8/9/2008 19:00	438	222	1900	6.581	6.581		0.4466	4.41E-03	409.1569	150.7623	559.9192		
	8/9/2008 20:00	439	222	2000	7.087	7.087		0.3433	3.19E-03	295.9887	109.0631	405.0519		
	8/9/2008 21:00	440	222	2100	8.66	8.66		0.0993	6.93E-04	64.2890	23.6886	87.9776		
	8/9/2008 22:00	441	222	2200	9.54	9.54		-0.0021	0.00E+00	0.0000	0.0000	0.0000		
	8/9/2008 23:00	442	222	2300	9.62	9.62		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	9.6	9.6	9.60	-0.0083	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	9.58	9.58		-0.0063	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	9.52	9.52		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	9.47	9.47		0.0053	1.87E-05	1.7354	0.6394	2.3748		
	8/10/2008 4:00	447	223	400	9.38	9.38		0.0149	6.72E-05	6.2367	2.2980	8.5348		
	8/10/2008 5:00	448	223	500	9.28	9.28		0.0259	1.32E-04	12.2699	4.5211	16.7910		
	8/10/2008 6:00	449	223	600	9.2	9.2		0.0348	1.91E-04	17.6714	6.5114	24.1828		
	8/10/2008 7:00	450	223	700	9.12	9.12		0.0439	2.53E-04	23.5091	8.6624	32.1715		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	9.03	9.03		0.0543	3.29E-04	30.5515	11.2573	41.8089		
	8/10/2008 9:00	452	223	900	8.16	8.16		0.1667	1.31E-03	121.6044	44.8076	166.4120		
	8/10/2008 10:00	453	223	1000	6.031	6.031		0.5785	6.07E-03	562.6769	207.3299	770.0068		
	8/10/2008 11:00	454	223	1100	5.64	5.64		0.6879	7.51E-03	696.4353	256.6159	953.0512		
	8/10/2008 12:00	455	223	1200	5.753	5.753		0.6548	7.07E-03	655.3512	241.4776	896.8289		
	8/10/2008 13:00	456	223	1300	5.858	5.858		0.6251	6.67E-03	619.0009	228.0836	847.0845		
	8/10/2008 14:00	457	223	1400	5.931	5.931		0.6051	6.41E-03	594.7101	219.1332	813.8433		
	8/10/2008 15:00	458	223	1500	6.164	6.164		0.5445	5.63E-03	522.1790	192.4076	714.5866		
	8/10/2008 16:00	459	223	1600	6.035	6.035		0.5775	6.05E-03	561.4245	206.8684	768.2930		
	8/10/2008 17:00	460	223	1700	6.243	6.243		0.5249	5.38E-03	499.2014	183.9410	683.1424		
	8/10/2008 18:00	461	223	1800	8.6	8.6		0.1070	7.60E-04	70.4545	25.9604	96.4149		
	8/10/2008 19:00	462	223	1900	9.24	9.24		0.0303	1.61E-04	14.9129	5.4950	20.4079		
	8/10/2008 20:00	463	223	2000	9.01	9.01		0.0566	3.47E-04	32.1815	11.8579	44.0394		
	8/10/2008 21:00	464	223	2100	8.92	8.92		0.0673	4.29E-04	39.7978	14.6643	54.4621		
	8/10/2008 22:00	465	223	2200	9.03	9.03		0.0543	3.29E-04	30.5515	11.2573	41.8089		
	8/10/2008 23:00	466	223	2300	8.94	8.94		0.0649	4.10E-04	38.0660	14.0262	52.0922		
	8/11/2008 0:00	467	224	0	8.94	8.94	9.27	0.0649	4.10E-04	38.0660	14.0262	52.0922		
	8/11/2008 1:00	468	224	100	9.14	9.14		0.0416	2.37E-04	22.0111	8.1105	30.1216		
	8/11/2008 2:00	469	224	200	9.27	9.27		0.0270	1.39E-04	12.9194	4.7604	17.6798		
	8/11/2008 3:00	470	224	300	9.26	9.26		0.0281	1.46E-04	13.5765	5.0025	18.5790		
	8/11/2008 4:00	471	224	400	9.24	9.24		0.0303	1.61E-04	14.9129	5.4950	20.4079		
	8/11/2008 5:00	472	224	500	9.19	9.19		0.0359	1.98E-04	18.3782	6.7718	25.1500		
	8/11/2008 6:00	473	224	600	9.2	9.2		0.0348	1.91E-04	17.6714	6.5114	24.1828		
	8/11/2008 7:00	474	224	700	9.19	9.19		0.0359	1.98E-04	18.3782	6.7718	25.1500		
	8/11/2008 8:00	475	224	800	9.13	9.13		0.0427	2.45E-04	22.7570	8.3853	31.1422		
	8/11/2008 9:00	476	224	900	8.24	8.24		0.1553	1.20E-03	111.5122	41.0890	152.6012		
	8/11/2008 10:00	477	224	1000	6.419	6.419		0.4831	4.86E-03	450.7127	166.0744	616.7871		
	8/11/2008 11:00	478	224	1100	5.978	5.978		0.5925	6.25E-03	579.4796	213.5212	793.0007		
	8/11/2008 12:00	479	224	1200	6.055	6.055		0.5723	5.99E-03	555.1951	204.5731	759.7682		
	8/11/2008 13:00	480	224	1300	6.344	6.344		0.5006	5.08E-03	470.9332	173.5250	644.4582		
	8/11/2008 14:00	481	224	1400	6.109	6.109		0.5584	5.81E-03	538.6438	198.4744	737.1182		
	8/11/2008 15:00	482	224	1500	6.037	6.037		0.5769	6.05E-03	560.7992	206.6380	767.4371		
	8/11/2008 16:00	483	224	1600	6.261	6.261		0.5205	5.33E-03	494.0739	182.0517	676.1256		
	8/11/2008 17:00	484	224	1700	6.367	6.367		0.4952	5.01E-03	464.6639	171.2150	635.8788		
	8/11/2008 18:00	485	224	1800	6.63	6.63		0.4359	4.28E-03	397.1326	146.3317	543.4643		
	8/11/2008 19:00	486	224	1900	6.791	6.791		0.4019	3.87E-03	359.3051	132.3934	491.6985		
	8/11/2008 20:00	487	224	2000	7.434	7.434		0.2806	2.49E-03	230.9162	85.0858	316.0020		
	8/11/2008 21:00	488	224	2100	8.32	8.32		0.1442	1.10E-03	101.7780	37.5022	139.2802		
	8/11/2008 22:00	489	224	2200	8.78	8.78		0.0843	5.66E-04	52.5335	19.3570	71.8905		
	8/11/2008 23:00	490	224	2300	8.97	8.97		0.0613	3.83E-04	35.5101	13.0844	48.5946		
	8/12/2008 0:00	491	225	0	9.06	9.06	9.24	0.0508	3.04E-04	28.1503	10.3726	38.5229		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	9.08	9.08		0.0485	2.87E-04	26.5791	9.7936	36.3727		
	8/12/2008 2:00	493	225	200	8.86	8.86		0.0745	4.87E-04	45.1254	16.6274	61.7528		
	8/12/2008 3:00	494	225	300	8.73	8.73		0.0905	6.18E-04	57.3382	21.1274	78.4656		
	8/12/2008 4:00	495	225	400	8.71	8.71		0.0930	6.39E-04	59.2975	21.8494	81.1468		
	8/12/2008 5:00	496	225	500	8.79	8.79		0.0830	5.56E-04	51.5886	19.0089	70.5975		
	8/12/2008 6:00	497	225	600	8.86	8.86		0.0745	4.87E-04	45.1254	16.6274	61.7528		
	8/12/2008 7:00	498	225	700	8.83	8.83		0.0781	5.16E-04	47.8629	17.6361	65.4990		
	8/12/2008 8:00	499	225	800	8.72	8.72		0.0917	6.29E-04	58.3152	21.4874	79.8026		
	8/12/2008 9:00	500	225	900	7.934	7.934		0.1999	1.64E-03	152.1079	56.0473	208.1552		
	8/12/2008 10:00	501	225	1000	6.198	6.198		0.5360	5.52E-03	512.1943	188.7285	700.9228		
	8/12/2008 11:00	502	225	1100	5.65	5.65		0.6850	7.47E-03	692.7141	255.2448	947.9589		
	8/12/2008 12:00	503	225	1200	5.679	5.679		0.6764	7.35E-03	682.0179	251.3035	933.3214		
	8/12/2008 13:00	504	225	1300	5.692	5.692		0.6725	7.30E-03	677.2685	249.5535	926.8220		
	8/12/2008 14:00	505	225	1400	5.784	5.784		0.6459	6.95E-03	644.4412	237.4576	881.8989		
	8/12/2008 15:00	506	225	1500	5.844	5.844		0.6290	6.73E-03	623.7499	229.8335	853.5833		
	8/12/2008 16:00	507	225	1600	5.915	5.915		0.6095	6.47E-03	599.9673	221.0703	821.0376		
	8/12/2008 17:00	508	225	1700	6.033	6.033		0.5780	6.06E-03	562.0505	207.0991	769.1495		
	8/12/2008 18:00	509	225	1800	6.081	6.081		0.5655	5.90E-03	547.1775	201.6188	748.7964		
	8/12/2008 19:00	510	225	1900	6.335	6.335		0.5028	5.10E-03	473.4031	174.4351	647.8382		
	8/12/2008 20:00	511	225	2000	6.854	6.854		0.3890	3.72E-03	345.1756	127.1871	472.3627		
	8/12/2008 21:00	512	225	2100	8.4	8.4		0.1333	9.96E-04	92.3960	34.0452	126.4412		
	8/12/2008 22:00	513	225	2200	9.17	9.17		0.0382	2.14E-04	19.8118	7.3001	27.1119		
	8/12/2008 23:00	514	225	2300	9.24	9.24		0.0303	1.61E-04	14.9129	5.4950	20.4079		
	8/13/2008 0:00	515	226	0	9.25	9.25	9.25	0.0292	1.54E-04	14.2410	5.2474	19.4884		
	8/13/2008 1:00	516	226	100	9.18	9.18		0.0370	2.06E-04	19.0917	7.0347	26.1264		
	8/13/2008 2:00	517	226	200	9.14	9.14		0.0416	2.37E-04	22.0111	8.1105	30.1216		
	8/13/2008 3:00	518	226	300	9.17	9.17		0.0382	2.14E-04	19.8118	7.3001	27.1119		
	8/13/2008 4:00	519	226	400	9.1	9.1		0.0462	2.70E-04	25.0319	9.2235	34.2554		
	8/13/2008 5:00	520	226	500	9.04	9.04		0.0531	3.21E-04	29.7453	10.9603	40.7055		
	8/13/2008 6:00	521	226	600	9.03	9.03		0.0543	3.29E-04	30.5515	11.2573	41.8089		
	8/13/2008 7:00	522	226	700	8.91	8.91		0.0685	4.39E-04	40.6720	14.9864	55.6584		
	8/13/2008 8:00	523	226	800	8.65	8.65		0.1006	7.04E-04	65.3033	24.0623	89.3656		
	8/13/2008 9:00	524	226	900	7.043	7.043		0.3517	3.29E-03	304.9205	112.3542	417.2748		
	8/13/2008 10:00	525	226	1000	5.724	5.724		0.6632	7.18E-03	665.6958	245.2893	910.9851		
	8/13/2008 11:00	526	226	1100	5.797	5.797		0.6422	6.90E-03	639.9110	235.7884	875.6993		
	8/13/2008 12:00	527	226	1200	5.554	5.554		0.7141	7.86E-03	729.1483	268.6697	997.8179		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	16.55	16.55	25.76	0.5565	5.78E-03	55.3654	31.1430	86.5084		
W707GA	7/22/2008 14:00	1	204	1400	18.11	18.11		0.4224	4.12E-03	39.4334	22.1813	61.6147		
	7/22/2008 15:00	2	204	1500	17.86	17.86		0.4423	4.36E-03	41.7338	23.4753	65.2091		
Probe #	7/22/2008 16:00	3	204	1600	17.58	17.58		0.4653	4.64E-03	44.4177	24.9850	69.4027		
	7/22/2008 17:00	4	204	1700	17.62	17.62		0.4620	4.60E-03	44.0271	24.7653	68.7924		
20	7/22/2008 18:00	5	204	1800	18.75	18.75		0.3739	3.54E-03	33.9304	19.0859	53.0163		
	7/22/2008 19:00	6	204	1900	19.03	19.03		0.3537	3.31E-03	31.6864	17.8236	49.5099		
	7/22/2008 20:00	7	204	2000	20.14	20.14		0.2790	2.47E-03	23.6703	13.3145	36.9848		
	7/22/2008 21:00	8	204	2100	23.18	23.18		0.1113	7.98E-04	7.6353	4.2948	11.9301		
DBH (cm)	7/22/2008 22:00	9	204	2200	25.11	25.11		0.0259	1.32E-04	1.2678	0.7132	1.9810		
	7/22/2008 23:00	10	204	2300	25.76	25.76		0.0000	0.00E+00	0.0000	0.0000	0.0000		
2.5	7/23/2008 0:00	11	205	0	26.21	26.21	26.30	-0.0172	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 1:00	12	205	100	26.3	26.3		-0.0205	0.00E+00	0.0000	0.0000	0.0000		
Day Count	7/23/2008 2:00	13	205	200	26.11	26.11		-0.0134	0.00E+00	0.0000	0.0000	0.0000		
35	7/23/2008 3:00	14	205	300	26.19	26.19		-0.0164	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 4:00	15	205	400	26.05	26.05		-0.0111	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 5:00	16	205	500	25.8	25.8		-0.0016	0.00E+00	0.0000	0.0000	0.0000		
	7/23/2008 6:00	17	205	600	25.53	25.53		0.0090	3.61E-05	0.3458	0.1945	0.5403		
	7/23/2008 7:00	18	205	700	25.07	25.07		0.0275	1.43E-04	1.3672	0.7691	2.1363		
	7/23/2008 8:00	19	205	800	24.16	24.16		0.0662	4.21E-04	4.0295	2.2666	6.2961		
	7/23/2008 9:00	20	205	900	22.12	22.12		0.1646	1.29E-03	12.3555	6.9500	19.3055		
	7/23/2008 10:00	21	205	1000	20.05	20.05		0.2848	2.54E-03	24.2712	13.6525	37.9237		
	7/23/2008 11:00	22	205	1100	19.57	19.57		0.3163	2.89E-03	27.6184	15.5353	43.1537		
	7/23/2008 12:00	23	205	1200	19.04	19.04		0.3529	3.30E-03	31.6080	17.7795	49.3874		
	7/23/2008 13:00	24	205	1300	18.54	18.54		0.3894	3.73E-03	35.6772	20.0684	55.7457		
	7/23/2008 14:00	25	205	1400	18.37	18.37		0.4023	3.88E-03	37.1328	20.8872	58.0200		
	7/23/2008 15:00	26	205	1500	18.3	18.3		0.4077	3.94E-03	37.7432	21.2306	58.9738		
	7/23/2008 16:00	27	205	1600	18.8	18.8		0.3702	3.50E-03	33.5227	18.8565	52.3792		
	7/23/2008 17:00	28	205	1700	19.79	19.79		0.3017	2.72E-03	26.0540	14.6554	40.7094		
	7/23/2008 18:00	29	205	1800	21.22	21.22		0.2139	1.78E-03	17.0682	9.6009	26.6690		
	7/23/2008 19:00	30	205	1900	21.27	21.27		0.2111	1.75E-03	16.7884	9.4435	26.2318		
	7/23/2008 20:00	31	205	2000	21.83	21.83		0.1800	1.44E-03	13.8006	7.7628	21.5634		
	7/23/2008 21:00	32	205	2100	23.07	23.07		0.1166	8.45E-04	8.0852	4.5479	12.6331		
	7/23/2008 22:00	33	205	2200	24.22	24.22		0.0636	4.00E-04	3.8326	2.1558	5.9885		
	7/23/2008 23:00	34	205	2300	24.14	24.14		0.0671	4.28E-04	4.0958	2.3039	6.3997		
	7/24/2008 0:00	35	206	0	24.02	24.02	26.24	0.0724	4.70E-04	4.4999	2.5312	7.0311		
	7/24/2008 1:00	36	206	100	24.25	24.25		0.0623	3.90E-04	3.7352	2.1011	5.8363		
	7/24/2008 2:00	37	206	200	24.54	24.54		0.0497	2.96E-04	2.8311	1.5925	4.4235		
	7/24/2008 3:00	38	206	300	24.84	24.84		0.0370	2.06E-04	1.9705	1.1084	3.0788		
	7/24/2008 4:00	39	206	400	25.21	25.21		0.0218	1.07E-04	1.0271	0.5778	1.6049		
	7/24/2008 5:00	40	206	500	25.45	25.45		0.0122	5.24E-05	0.5012	0.2819	0.7832		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	25.41	25.41		0.0138	6.09E-05	0.5831	0.3280	0.9111		
	7/24/2008 7:00	42	206	700	25.42	25.42		0.0134	5.88E-05	0.5624	0.3164	0.8788		
	7/24/2008 8:00	43	206	800	24.71	24.71		0.0425	2.44E-04	2.3336	1.3127	3.6463		
	7/24/2008 9:00	44	206	900	24.09	24.09		0.0693	4.45E-04	4.2628	2.3978	6.6607		
	7/24/2008 10:00	45	206	1000	24.08	24.08		0.0698	4.49E-04	4.2965	2.4168	6.7132		
	7/24/2008 11:00	46	206	1100	20.97	20.97		0.2284	1.93E-03	18.5004	10.4065	28.9068		
	7/24/2008 12:00	47	206	1200	19.11	19.11		0.3480	3.24E-03	31.0625	17.4727	48.5352		
	7/24/2008 13:00	48	206	1300	19.44	19.44		0.3251	2.98E-03	28.5675	16.0692	44.6368		
	7/24/2008 14:00	49	206	1400	19.04	19.04		0.3529	3.30E-03	31.6080	17.7795	49.3874		
	7/24/2008 15:00	50	206	1500	18.21	18.21		0.4146	4.03E-03	38.5377	21.6775	60.2152		
	7/24/2008 16:00	51	206	1600	18.11	18.11		0.4224	4.12E-03	39.4334	22.1813	61.6147		
	7/24/2008 17:00	52	206	1700	18.51	18.51		0.3917	3.75E-03	35.9314	20.2114	56.1428		
	7/24/2008 18:00	53	206	1800	18.89	18.89		0.3637	3.43E-03	32.7965	18.4480	51.2445		
	7/24/2008 19:00	54	206	1900	19.83	19.83		0.2990	2.69E-03	25.7751	14.4985	40.2737		
	7/24/2008 20:00	55	206	2000	21.66	21.66		0.1893	1.53E-03	14.6797	8.2573	22.9370		
	7/24/2008 21:00	56	206	2100	24.3	24.3		0.0601	3.73E-04	3.5745	2.0106	5.5851		
	7/24/2008 22:00	57	206	2200	25.9	25.9		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	7/24/2008 23:00	58	206	2300	26.24	26.24		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 0:00	59	207	0	26.28	26.28	26.28	-0.0198	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 1:00	60	207	100	26.17	26.17		-0.0157	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 2:00	61	207	200	26.04	26.04		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 3:00	62	207	300	26.04	26.04		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 4:00	63	207	400	26.15	26.15		-0.0149	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 5:00	64	207	500	26.24	26.24		-0.0183	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 6:00	65	207	600	26.27	26.27		-0.0194	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 7:00	66	207	700	26.22	26.22		-0.0175	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 8:00	67	207	800	26.08	26.08		-0.0123	0.00E+00	0.0000	0.0000	0.0000		
	7/25/2008 9:00	68	207	900	25.71	25.71		0.0019	5.47E-06	0.0524	0.0295	0.0818		
	7/25/2008 10:00	69	207	1000	25.29	25.29		0.0186	8.81E-05	0.8431	0.4743	1.3174		
	7/25/2008 11:00	70	207	1100	23.29	23.29		0.1061	7.52E-04	7.1945	4.0469	11.2414		
	7/25/2008 12:00	71	207	1200	21.43	21.43		0.2021	1.66E-03	15.9076	8.9480	24.8555		
	7/25/2008 13:00	72	207	1300	20.05	20.05		0.2848	2.54E-03	24.2712	13.6525	37.9237		
	7/25/2008 14:00	73	207	1400	18.72	18.72		0.3761	3.57E-03	34.1766	19.2243	53.4009		
	7/25/2008 15:00	74	207	1500	18.28	18.28		0.4092	3.96E-03	37.9189	21.3294	59.2482		
	7/25/2008 16:00	75	207	1600	18.54	18.54		0.3894	3.73E-03	35.6772	20.0684	55.7457		
	7/25/2008 17:00	76	207	1700	17.78	17.78		0.4488	4.44E-03	42.4888	23.9000	66.3888		
	7/25/2008 18:00	77	207	1800	18.65	18.65		0.3812	3.63E-03	34.7553	19.5498	54.3051		
	7/25/2008 19:00	78	207	1900	18.78	18.78		0.3717	3.52E-03	33.6854	18.9480	52.6334		
	7/25/2008 20:00	79	207	2000	20.68	20.68		0.2456	2.11E-03	20.2325	11.3808	31.6134		
	7/25/2008 21:00	80	207	2100	23.99	23.99		0.0738	4.81E-04	4.6027	2.5890	7.1917		
	7/25/2008 22:00	81	207	2200	25.97	25.97		-0.0081	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	26.19	26.19		-0.0164	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 0:00	83	208	0	26.19	26.19	26.19	-0.0164	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 1:00	84	208	100	26.15	26.15		-0.0149	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 2:00	85	208	200	26.11	26.11		-0.0134	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 3:00	86	208	300	26.09	26.09		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 4:00	87	208	400	26.09	26.09		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 5:00	88	208	500	26.07	26.07		-0.0119	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 6:00	89	208	600	26	26		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 7:00	90	208	700	25.96	25.96		-0.0077	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 8:00	91	208	800	25.86	25.86		-0.0039	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 9:00	92	208	900	25.25	25.25		0.0202	9.76E-05	0.9341	0.5255	1.4596		
	7/26/2008 10:00	93	208	1000	21.34	21.34		0.2071	1.71E-03	16.4003	9.2252	25.6255		
	7/26/2008 11:00	94	208	1100	20.52	20.52		0.2554	2.22E-03	21.2218	11.9372	33.1590		
	7/26/2008 12:00	95	208	1200	20.62	20.62		0.2493	2.15E-03	20.6007	11.5879	32.1885		
	7/26/2008 13:00	96	208	1300	19.09	19.09		0.3494	3.26E-03	31.2178	17.5600	48.7778		
	7/26/2008 14:00	97	208	1400	18.88	18.88		0.3644	3.43E-03	32.8767	18.4931	51.3698		
	7/26/2008 15:00	98	208	1500	18.43	18.43		0.3977	3.82E-03	36.6148	20.5958	57.2106		
	7/26/2008 16:00	99	208	1600	18.55	18.55		0.3887	3.72E-03	35.5928	20.0209	55.6137		
	7/26/2008 17:00	100	208	1700	17.62	17.62		0.4620	4.60E-03	44.0271	24.7653	68.7924		
	7/26/2008 18:00	101	208	1800	18.97	18.97		0.3579	3.36E-03	32.1592	18.0896	50.2488		
	7/26/2008 19:00	102	208	1900	19.25	19.25		0.3382	3.13E-03	29.9888	16.8687	46.8575		
	7/26/2008 20:00	103	208	2000	20.91	20.91		0.2319	1.97E-03	18.8524	10.6045	29.4569		
	7/26/2008 21:00	104	208	2100	24.01	24.01		0.0729	4.74E-04	4.5341	2.5504	7.0845		
	7/26/2008 22:00	105	208	2200	25.76	25.76		0.0000	0.00E+00	0.0000	0.0000	0.0000		
	7/26/2008 23:00	106	208	2300	26.1	26.1		-0.0130	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 0:00	107	209	0	26.14	26.14	26.14	-0.0145	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 1:00	108	209	100	26.09	26.09		-0.0126	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 2:00	109	209	200	25.94	25.94		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 3:00	110	209	300	25.82	25.82		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 4:00	111	209	400	25.96	25.96		-0.0077	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 5:00	112	209	500	26.12	26.12		-0.0138	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 6:00	113	209	600	26.13	26.13		-0.0142	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 7:00	114	209	700	26.1	26.1		-0.0130	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 8:00	115	209	800	26.01	26.01		-0.0096	0.00E+00	0.0000	0.0000	0.0000		
	7/27/2008 9:00	116	209	900	23.87	23.87		0.0792	5.24E-04	5.0207	2.8241	7.8448		
	7/27/2008 10:00	117	209	1000	20.03	20.03		0.2861	2.55E-03	24.4059	13.7283	38.1342		
	7/27/2008 11:00	118	209	1100	19.36	19.36		0.3306	3.05E-03	29.1610	16.4030	45.5640		
	7/27/2008 12:00	119	209	1200	18.29	18.29		0.4084	3.95E-03	37.8310	21.2799	59.1109		
	7/27/2008 13:00	120	209	1300	18.04	18.04		0.4279	4.19E-03	40.0687	22.5386	62.6073		
	7/27/2008 14:00	121	209	1400	17.57	17.57		0.4661	4.65E-03	44.5157	25.0401	69.5558		
	7/27/2008 15:00	122	209	1500	17.21	17.21		0.4968	5.03E-03	48.1481	27.0833	75.2314		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	17.42	17.42		0.4788	4.81E-03	46.0045	25.8775	71.8820		
	7/27/2008 17:00	124	209	1700	17.23	17.23		0.4951	5.01E-03	47.9409	26.9667	74.9076		
	7/27/2008 18:00	125	209	1800	17.58	17.58		0.4653	4.64E-03	44.4177	24.9850	69.4027		
	7/27/2008 19:00	126	209	1900	17.89	17.89		0.4399	4.33E-03	41.4531	23.3173	64.7704		
	7/27/2008 20:00	127	209	2000	19.19	19.19		0.3424	3.18E-03	30.4462	17.1260	47.5721		
	7/27/2008 21:00	128	209	2100	22.29	22.29		0.1557	1.21E-03	11.5398	6.4911	18.0309		
	7/27/2008 22:00	129	209	2200	24.64	24.64		0.0455	2.65E-04	2.5354	1.4262	3.9616		
	7/27/2008 23:00	130	209	2300	24.86	24.86		0.0362	2.00E-04	1.9160	1.0777	2.9937		
	7/28/2008 0:00	131	210	0	24.65	24.65	26.03	0.0450	2.62E-04	2.5063	1.4098	3.9162		
	7/28/2008 1:00	132	210	100	25.19	25.19		0.0226	1.12E-04	1.0743	0.6043	1.6787		
	7/28/2008 2:00	133	210	200	25.21	25.21		0.0218	1.07E-04	1.0271	0.5778	1.6049		
	7/28/2008 3:00	134	210	300	25.84	25.84		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 4:00	135	210	400	25.94	25.94		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 5:00	136	210	500	26.03	26.03		-0.0104	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 6:00	137	210	600	25.93	25.93		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	7/28/2008 7:00	138	210	700	25.41	25.41		0.0138	6.09E-05	0.5831	0.3280	0.9111		
	7/28/2008 8:00	139	210	800	22.1	22.1		0.1656	1.30E-03	12.4530	7.0048	19.4578		
	7/28/2008 9:00	140	210	900	19.95	19.95		0.2912	2.61E-03	24.9486	14.0336	38.9822		
	7/28/2008 10:00	141	210	1000	18.41	18.41		0.3992	3.84E-03	36.7869	20.6926	57.4796		
	7/28/2008 11:00	142	210	1100	18.04	18.04		0.4279	4.19E-03	40.0687	22.5386	62.6073		
	7/28/2008 12:00	143	210	1200	17.73	17.73		0.4529	4.49E-03	42.9655	24.1681	67.1335		
	7/28/2008 13:00	144	210	1300	17.66	17.66		0.4587	4.56E-03	43.6390	24.5469	68.1859		
	7/28/2008 14:00	145	210	1400	17.41	17.41		0.4796	4.82E-03	46.1050	25.9340	72.0390		
	7/28/2008 15:00	146	210	1500	17.11	17.11		0.5056	5.14E-03	49.1939	27.6716	76.8654		
	7/28/2008 16:00	147	210	1600	17.29	17.29		0.4899	4.94E-03	47.3232	26.6193	73.9425		
	7/28/2008 17:00	148	210	1700	17.13	17.13		0.5038	5.12E-03	48.9834	27.5532	76.5366		
	7/28/2008 18:00	149	210	1800	17.54	17.54		0.4686	4.68E-03	44.8107	25.2060	70.0167		
	7/28/2008 19:00	150	210	1900	18.11	18.11		0.4224	4.12E-03	39.4334	22.1813	61.6147		
	7/28/2008 20:00	151	210	2000	20.75	20.75		0.2414	2.07E-03	19.8073	11.1416	30.9490		
	7/28/2008 21:00	152	210	2100	23.9	23.9		0.0778	5.13E-04	4.9152	2.7648	7.6799		
	7/28/2008 22:00	153	210	2200	23.97	23.97		0.0747	4.88E-04	4.6716	2.6278	7.2994		
	7/28/2008 23:00	154	210	2300	24.01	24.01		0.0729	4.74E-04	4.5341	2.5504	7.0845		
	7/29/2008 0:00	155	211	0	24.59	24.59	26.05	0.0476	2.80E-04	2.6822	1.5087	4.1909		
	7/29/2008 1:00	156	211	100	25.05	25.05		0.0283	1.48E-04	1.4176	0.7974	2.2149		
	7/29/2008 2:00	157	211	200	25.5	25.5		0.0102	4.21E-05	0.4027	0.2265	0.6292		
	7/29/2008 3:00	158	211	300	25.61	25.61		0.0059	2.13E-05	0.2035	0.1145	0.3180		
	7/29/2008 4:00	159	211	400	25.99	25.99		-0.0088	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 5:00	160	211	500	26.05	26.05		-0.0111	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 6:00	161	211	600	25.94	25.94		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	7/29/2008 7:00	162	211	700	25.15	25.15		0.0243	1.22E-04	1.1702	0.6582	1.8284		
	7/29/2008 8:00	163	211	800	23.39	23.39		0.1013	7.11E-04	6.8016	3.8259	10.6276		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	21.47	21.47		0.1998	1.64E-03	15.6908	8.8261	24.5169		
	7/29/2008 10:00	165	211	1000	19.65	19.65		0.3109	2.83E-03	27.0435	15.2120	42.2554		
	7/29/2008 11:00	166	211	1100	19.83	19.83		0.2990	2.69E-03	25.7751	14.4985	40.2737		
	7/29/2008 12:00	167	211	1200	18.48	18.48		0.3939	3.78E-03	36.1867	20.3550	56.5417		
	7/29/2008 13:00	168	211	1300	18.34	18.34		0.4046	3.91E-03	37.3936	21.0339	58.4275		
	7/29/2008 14:00	169	211	1400	17.82	17.82		0.4456	4.40E-03	42.1101	23.6870	65.7971		
	7/29/2008 15:00	170	211	1500	18.15	18.15		0.4193	4.08E-03	39.0735	21.9788	61.0524		
	7/29/2008 16:00	171	211	1600	18.39	18.39		0.4008	3.86E-03	36.9596	20.7898	57.7494		
	7/29/2008 17:00	172	211	1700	18.9	18.9		0.3630	3.42E-03	32.7164	18.4030	51.1194		
	7/29/2008 18:00	173	211	1800	19.1	19.1		0.3487	3.25E-03	31.1401	17.5163	48.6564		
	7/29/2008 19:00	174	211	1900	19.02	19.02		0.3544	3.32E-03	31.7649	17.8677	49.6326		
	7/29/2008 20:00	175	211	2000	20.82	20.82		0.2373	2.03E-03	19.3867	10.9050	30.2917		
	7/29/2008 21:00	176	211	2100	23.66	23.66		0.0888	6.04E-04	5.7785	3.2504	9.0289		
	7/29/2008 22:00	177	211	2200	25.46	25.46		0.0118	5.03E-05	0.4812	0.2707	0.7518		
	7/29/2008 23:00	178	211	2300	25.97	25.97		-0.0081	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 0:00	179	212	0	26.07	26.07	26.07	-0.0119	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 1:00	180	212	100	26.05	26.05		-0.0111	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 2:00	181	212	200	26.06	26.06		-0.0115	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 3:00	182	212	300	26.05	26.05		-0.0111	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 4:00	183	212	400	26.02	26.02		-0.0100	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 5:00	184	212	500	25.96	25.96		-0.0077	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 6:00	185	212	600	25.95	25.95		-0.0073	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 7:00	186	212	700	25.99	25.99		-0.0088	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 8:00	187	212	800	25.93	25.93		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	7/30/2008 9:00	188	212	900	24.53	24.53		0.0501	2.99E-04	2.8611	1.6094	4.4704		
	7/30/2008 10:00	189	212	1000	20.32	20.32		0.2677	2.35E-03	22.4928	12.6522	35.1450		
	7/30/2008 11:00	190	212	1100	19.2	19.2		0.3417	3.17E-03	30.3697	17.0829	47.4526		
	7/30/2008 12:00	191	212	1200	18.72	18.72		0.3761	3.57E-03	34.1766	19.2243	53.4009		
	7/30/2008 13:00	192	212	1300	18.22	18.22		0.4138	4.02E-03	38.4489	21.6275	60.0764		
	7/30/2008 14:00	193	212	1400	17.77	17.77		0.4496	4.45E-03	42.5838	23.9534	66.5373		
	7/30/2008 15:00	194	212	1500	17.9	17.9		0.4391	4.32E-03	41.3598	23.2649	64.6246		
	7/30/2008 16:00	195	212	1600	17.74	17.74		0.4521	4.48E-03	42.8698	24.1143	66.9841		
	7/30/2008 17:00	196	212	1700	17.52	17.52		0.4703	4.70E-03	45.0081	25.3171	70.3252		
	7/30/2008 18:00	197	212	1800	18.26	18.26		0.4107	3.98E-03	38.0950	21.4284	59.5234		
	7/30/2008 19:00	198	212	1900	18.25	18.25		0.4115	3.99E-03	38.1833	21.4781	59.6614		
	7/30/2008 20:00	199	212	2000	19.8	19.8		0.3010	2.71E-03	25.9841	14.6161	40.6002		
	7/30/2008 21:00	200	212	2100	23.02	23.02		0.1190	8.66E-04	8.2927	4.6646	12.9573		
	7/30/2008 22:00	201	212	2200	24.84	24.84		0.0370	2.06E-04	1.9705	1.1084	3.0788		
	7/30/2008 23:00	202	212	2300	25.38	25.38		0.0150	6.75E-05	0.6462	0.3635	1.0097		
	7/31/2008 0:00	203	213	0	25.63	25.63	25.84	0.0051	1.78E-05	0.1705	0.0959	0.2664		
	7/31/2008 1:00	204	213	100	25.79	25.79		-0.0012	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	25.75	25.75		0.0004	7.53E-07	0.0072	0.0041	0.0113		
	7/31/2008 3:00	206	213	300	25.67	25.67		0.0035	1.13E-05	0.1082	0.0609	0.1691		
	7/31/2008 4:00	207	213	400	25.84	25.84		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 5:00	208	213	500	25.78	25.78		-0.0008	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 6:00	209	213	600	25.73	25.73		0.0012	2.91E-06	0.0279	0.0157	0.0436		
	7/31/2008 7:00	210	213	700	25.79	25.79		-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	7/31/2008 8:00	211	213	800	25.61	25.61		0.0059	2.13E-05	0.2035	0.1145	0.3180		
	7/31/2008 9:00	212	213	900	23.17	23.17		0.1118	8.02E-04	7.6758	4.3176	11.9934		
	7/31/2008 10:00	213	213	1000	19.6	19.6		0.3143	2.86E-03	27.4020	15.4136	42.8156		
	7/31/2008 11:00	214	213	1100	18.73	18.73		0.3753	3.56E-03	34.0944	19.1781	53.2725		
	7/31/2008 12:00	215	213	1200	17.9	17.9		0.4391	4.32E-03	41.3598	23.2649	64.6246		
	7/31/2008 13:00	216	213	1300	17.87	17.87		0.4415	4.35E-03	41.6401	23.4225	65.0626		
	7/31/2008 14:00	217	213	1400	17.25	17.25		0.4933	4.99E-03	47.7343	26.8506	74.5849		
	7/31/2008 15:00	218	213	1500	16.93	16.93		0.5216	5.34E-03	51.1182	28.7540	79.8723		
	7/31/2008 16:00	219	213	1600	17.23	17.23		0.4951	5.01E-03	47.9409	26.9667	74.9076		
	7/31/2008 17:00	220	213	1700	17.05	17.05		0.5109	5.21E-03	49.8293	28.0290	77.8583		
	7/31/2008 18:00	221	213	1800	17.4	17.4		0.4805	4.83E-03	46.2056	25.9907	72.1963		
	7/31/2008 19:00	222	213	1900	17.98	17.98		0.4327	4.24E-03	40.6186	22.8480	63.4665		
	7/31/2008 20:00	223	213	2000	20.24	20.24		0.2727	2.40E-03	23.0121	12.9443	35.9565		
	7/31/2008 21:00	224	213	2100	22.03	22.03		0.1693	1.34E-03	12.7967	7.1981	19.9948		
	7/31/2008 22:00	225	213	2200	23.74	23.74		0.0851	5.73E-04	5.4859	3.0858	8.5717		
	7/31/2008 23:00	226	213	2300	23.61	23.61		0.0911	6.23E-04	5.9638	3.3547	9.3185		
	8/1/2008 0:00	227	214	0	24.44	24.44	25.98	0.0540	3.28E-04	3.1351	1.7635	4.8986		
	8/1/2008 1:00	228	214	100	25.52	25.52		0.0094	3.81E-05	0.3645	0.2051	0.5696		
	8/1/2008 2:00	229	214	200	25.79	25.79		-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 3:00	230	214	300	25.74	25.74		0.0008	1.77E-06	0.0169	0.0095	0.0265		
	8/1/2008 4:00	231	214	400	25.92	25.92		-0.0062	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 5:00	232	214	500	25.98	25.98		-0.0085	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 6:00	233	214	600	25.82	25.82		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 7:00	234	214	700	25.8	25.8		-0.0016	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 8:00	235	214	800	25.71	25.71		0.0019	5.47E-06	0.0524	0.0295	0.0818		
	8/1/2008 9:00	236	214	900	22.55	22.55		0.1424	1.08E-03	10.3362	5.8141	16.1503		
	8/1/2008 10:00	237	214	1000	19.31	19.31		0.3340	3.09E-03	29.5355	16.6137	46.1493		
	8/1/2008 11:00	238	214	1100	18.78	18.78		0.3717	3.52E-03	33.6854	18.9480	52.6334		
	8/1/2008 12:00	239	214	1200	18.52	18.52		0.3909	3.74E-03	35.8465	20.1637	56.0102		
	8/1/2008 13:00	240	214	1300	17.91	17.91		0.4383	4.31E-03	41.2666	23.2125	64.4791		
	8/1/2008 14:00	241	214	1400	17.62	17.62		0.4620	4.60E-03	44.0271	24.7653	68.7924		
	8/1/2008 15:00	242	214	1500	17.11	17.11		0.5056	5.14E-03	49.1939	27.6716	76.8654		
	8/1/2008 16:00	243	214	1600	17.47	17.47		0.4745	4.75E-03	45.5044	25.5962	71.1006		
	8/1/2008 17:00	244	214	1700	17.38	17.38		0.4822	4.85E-03	46.4074	26.1042	72.5115		
	8/1/2008 18:00	245	214	1800	18.16	18.16		0.4185	4.07E-03	38.9839	21.9284	60.9123		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	18.62	18.62		0.3835	3.66E-03	35.0052	19.6904	54.6956		
	8/1/2008 20:00	247	214	2000	21.34	21.34		0.2071	1.71E-03	16.4003	9.2252	25.6255		
	8/1/2008 21:00	248	214	2100	24.86	24.86		0.0362	2.00E-04	1.9160	1.0777	2.9937		
	8/1/2008 22:00	249	214	2200	25.77	25.77		-0.0004	0.00E+00	0.0000	0.0000	0.0000		
	8/1/2008 23:00	250	214	2300	25.94	25.94		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 0:00	251	215	0	25.89	25.89	26.06	-0.0050	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 1:00	252	215	100	26.01	26.01		-0.0096	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 2:00	253	215	200	26.06	26.06		-0.0115	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 3:00	254	215	300	26.06	26.06		-0.0115	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 4:00	255	215	400	25.84	25.84		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 5:00	256	215	500	25.74	25.74		0.0008	1.77E-06	0.0169	0.0095	0.0265		
	8/2/2008 6:00	257	215	600	25.77	25.77		-0.0004	0.00E+00	0.0000	0.0000	0.0000		
	8/2/2008 7:00	258	215	700	25.37	25.37		0.0154	6.97E-05	0.6675	0.3755	1.0430		
	8/2/2008 8:00	259	215	800	23.42	23.42		0.0999	6.98E-04	6.6853	3.7605	10.4457		
	8/2/2008 9:00	260	215	900	20.8	20.8		0.2385	2.04E-03	19.5064	10.9723	30.4787		
	8/2/2008 10:00	261	215	1000	19.44	19.44		0.3251	2.98E-03	28.5675	16.0692	44.6368		
	8/2/2008 11:00	262	215	1100	18.76	18.76		0.3731	3.54E-03	33.8486	19.0399	52.8885		
	8/2/2008 12:00	263	215	1200	18.46	18.46		0.3954	3.80E-03	36.3575	20.4511	56.8086		
	8/2/2008 13:00	264	215	1300	18.01	18.01		0.4303	4.21E-03	40.3430	22.6929	63.0359		
	8/2/2008 14:00	265	215	1400	17.59	17.59		0.4645	4.63E-03	44.3198	24.9299	69.2497		
	8/2/2008 15:00	266	215	1500	17.23	17.23		0.4951	5.01E-03	47.9409	26.9667	74.9076		
	8/2/2008 16:00	267	215	1600	17.35	17.35		0.4847	4.88E-03	46.7112	26.2751	72.9863		
	8/2/2008 17:00	268	215	1700	17.16	17.16		0.5012	5.08E-03	48.6689	27.3763	76.0452		
	8/2/2008 18:00	269	215	1800	17.46	17.46		0.4754	4.76E-03	45.6041	25.6523	71.2564		
	8/2/2008 19:00	270	215	1900	17.97	17.97		0.4335	4.25E-03	40.7107	22.8998	63.6105		
	8/2/2008 20:00	271	215	2000	19.86	19.86		0.2971	2.67E-03	25.5671	14.3815	39.9486		
	8/2/2008 21:00	272	215	2100	22.37	22.37		0.1515	1.17E-03	11.1638	6.2796	17.4434		
	8/2/2008 22:00	273	215	2200	24.3	24.3		0.0601	3.73E-04	3.5745	2.0106	5.5851		
	8/2/2008 23:00	274	215	2300	24.96	24.96		0.0321	1.72E-04	1.6492	0.9277	2.5769		
	8/3/2008 0:00	275	216	0	24.46	24.46	25.46	0.0531	3.21E-04	3.0736	1.7289	4.8025		
	8/3/2008 1:00	276	216	100	23.92	23.92		0.0769	5.06E-04	4.8452	2.7254	7.5706		
	8/3/2008 2:00	277	216	200	24.74	24.74		0.0412	2.35E-04	2.2485	1.2648	3.5132		
	8/3/2008 3:00	278	216	300	25.22	25.22		0.0214	1.05E-04	1.0037	0.5646	1.5683		
	8/3/2008 4:00	279	216	400	25.46	25.46		0.0118	5.03E-05	0.4812	0.2707	0.7518		
	8/3/2008 5:00	280	216	500	25.46	25.46		0.0118	5.03E-05	0.4812	0.2707	0.7518		
	8/3/2008 6:00	281	216	600	25.12	25.12		0.0255	1.30E-04	1.2432	0.6993	1.9426		
	8/3/2008 7:00	282	216	700	24.62	24.62		0.0463	2.71E-04	2.5939	1.4591	4.0529		
	8/3/2008 8:00	283	216	800	23.33	23.33		0.1042	7.35E-04	7.0364	3.9580	10.9944		
	8/3/2008 9:00	284	216	900	19.67	19.67		0.3096	2.81E-03	26.9008	15.1317	42.0325		
	8/3/2008 10:00	285	216	1000	17.98	17.98		0.4327	4.24E-03	40.6186	22.8480	63.4665		
	8/3/2008 11:00	286	216	1100	17.59	17.59		0.4645	4.63E-03	44.3198	24.9299	69.2497		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	17.37	17.37		0.4830	4.86E-03	46.5085	26.1610	72.6695		
	8/3/2008 13:00	288	216	1300	17.14	17.14		0.5029	5.11E-03	48.8784	27.4941	76.3725		
	8/3/2008 14:00	289	216	1400	16.86	16.86		0.5279	5.42E-03	51.8815	29.1833	81.0648		
	8/3/2008 15:00	290	216	1500	16.78	16.78		0.5352	5.51E-03	52.7642	29.6799	82.4440		
	8/3/2008 16:00	291	216	1600	16.95	16.95		0.5198	5.32E-03	50.9017	28.6322	79.5339		
	8/3/2008 17:00	292	216	1700	16.8	16.8		0.5333	5.49E-03	52.5425	29.5551	82.0976		
	8/3/2008 18:00	293	216	1800	17.09	17.09		0.5073	5.16E-03	49.4050	27.7903	77.1953		
	8/3/2008 19:00	294	216	1900	17.59	17.59		0.4645	4.63E-03	44.3198	24.9299	69.2497		
	8/3/2008 20:00	295	216	2000	18.7	18.7		0.3775	3.59E-03	34.3413	19.3170	53.6583		
	8/3/2008 21:00	296	216	2100	20.42	20.42		0.2615	2.28E-03	21.8524	12.2920	34.1444		
	8/3/2008 22:00	297	216	2200	21.58	21.58		0.1937	1.58E-03	15.1017	8.4947	23.5964		
	8/3/2008 23:00	298	216	2300	21.85	21.85		0.1789	1.43E-03	13.6987	7.7055	21.4042		
	8/4/2008 0:00	299	217	0	21.95	21.95	24.61	0.1736	1.38E-03	13.1943	7.4218	20.6162		
	8/4/2008 1:00	300	217	100	22.06	22.06		0.1677	1.32E-03	12.6489	7.1150	19.7639		
	8/4/2008 2:00	301	217	200	21.22	21.22		0.2139	1.78E-03	17.0682	9.6009	26.6690		
	8/4/2008 3:00	302	217	300	20.87	20.87		0.2343	1.99E-03	19.0890	10.7375	29.8265		
	8/4/2008 4:00	303	217	400	20.45	20.45		0.2597	2.26E-03	21.6622	12.1850	33.8472		
	8/4/2008 5:00	304	217	500	21.24	21.24		0.2128	1.77E-03	16.9560	9.5377	26.4937		
	8/4/2008 6:00	305	217	600	22.11	22.11		0.1651	1.30E-03	12.4042	6.9774	19.3816		
	8/4/2008 7:00	306	217	700	22.19	22.19		0.1609	1.26E-03	12.0168	6.7595	18.7763		
	8/4/2008 8:00	307	217	800	22.65	22.65		0.1373	1.03E-03	9.8872	5.5616	15.4488		
	8/4/2008 9:00	308	217	900	22.06	22.06		0.1677	1.32E-03	12.6489	7.1150	19.7639		
	8/4/2008 10:00	309	217	1000	20.33	20.33		0.2671	2.34E-03	22.4283	12.6159	35.0442		
	8/4/2008 11:00	310	217	1100	19.16	19.16		0.3445	3.20E-03	30.6764	17.2555	47.9319		
	8/4/2008 12:00	311	217	1200	17.99	17.99		0.4319	4.23E-03	40.5266	22.7962	63.3228		
	8/4/2008 13:00	312	217	1300	17.68	17.68		0.4570	4.54E-03	43.4458	24.4383	67.8840		
	8/4/2008 14:00	313	217	1400	18.31	18.31		0.4069	3.93E-03	37.6556	21.1813	58.8369		
	8/4/2008 15:00	314	217	1500	19.21	19.21		0.3410	3.16E-03	30.2932	17.0400	47.3332		
	8/4/2008 16:00	315	217	1600	17.83	17.83		0.4448	4.39E-03	42.0158	23.6339	65.6497		
	8/4/2008 17:00	316	217	1700	17.51	17.51		0.4712	4.71E-03	45.1071	25.3727	70.4798		
	8/4/2008 18:00	317	217	1800	18.21	18.21		0.4146	4.03E-03	38.5377	21.6775	60.2152		
	8/4/2008 19:00	318	217	1900	18.68	18.68		0.3790	3.60E-03	34.5065	19.4099	53.9164		
	8/4/2008 20:00	319	217	2000	20.3	20.3		0.2690	2.36E-03	22.6220	12.7249	35.3469		
	8/4/2008 21:00	320	217	2100	23.16	23.16		0.1123	8.06E-04	7.7164	4.3405	12.0569		
	8/4/2008 22:00	321	217	2200	24.19	24.19		0.0649	4.11E-04	3.9307	2.2110	6.1417		
	8/4/2008 23:00	322	217	2300	24.61	24.61		0.0467	2.74E-04	2.6232	1.4756	4.0988		
	8/5/2008 0:00	323	218	0	25.21	25.21	26.04	0.0218	1.07E-04	1.0271	0.5778	1.6049		
	8/5/2008 1:00	324	218	100	25.32	25.32		0.0174	8.11E-05	0.7762	0.4366	1.2129		
	8/5/2008 2:00	325	218	200	25.4	25.4		0.0142	6.31E-05	0.6040	0.3397	0.9437		
	8/5/2008 3:00	326	218	300	25.15	25.15		0.0243	1.22E-04	1.1702	0.6582	1.8284		
	8/5/2008 4:00	327	218	400	24.56	24.56		0.0489	2.89E-04	2.7713	1.5588	4.3301		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	24.74	24.74		0.0412	2.35E-04	2.2485	1.2648	3.5132		
	8/5/2008 6:00	329	218	600	25.06	25.06		0.0279	1.45E-04	1.3923	0.7832	2.1755		
	8/5/2008 7:00	330	218	700	25.14	25.14		0.0247	1.25E-04	1.1944	0.6719	1.8663		
	8/5/2008 8:00	331	218	800	24.75	24.75		0.0408	2.32E-04	2.2203	1.2489	3.4692		
	8/5/2008 9:00	332	218	900	22.53	22.53		0.1434	1.09E-03	10.4269	5.8651	16.2920		
	8/5/2008 10:00	333	218	1000	19.97	19.97		0.2899	2.59E-03	24.8123	13.9569	38.7692		
	8/5/2008 11:00	334	218	1100	20.04	20.04		0.2854	2.54E-03	24.3385	13.6904	38.0289		
	8/5/2008 12:00	335	218	1200	19.24	19.24		0.3389	3.14E-03	30.0647	16.9114	46.9761		
	8/5/2008 13:00	336	218	1300	18.06	18.06		0.4264	4.17E-03	39.8865	22.4361	62.3226		
	8/5/2008 14:00	337	218	1400	19.01	19.01		0.3551	3.33E-03	31.8435	17.9120	49.7555		
	8/5/2008 15:00	338	218	1500	20.19	20.19		0.2759	2.44E-03	23.3400	13.1287	36.4687		
	8/5/2008 16:00	339	218	1600	19.6	19.6		0.3143	2.86E-03	27.4020	15.4136	42.8156		
	8/5/2008 17:00	340	218	1700	18.84	18.84		0.3673	3.47E-03	33.1987	18.6743	51.8730		
	8/5/2008 18:00	341	218	1800	18.38	18.38		0.4015	3.87E-03	37.0461	20.8385	57.8846		
	8/5/2008 19:00	342	218	1900	18.79	18.79		0.3709	3.51E-03	33.6040	18.9022	52.5062		
	8/5/2008 20:00	343	218	2000	21.65	21.65		0.1898	1.54E-03	14.7321	8.2868	23.0190		
	8/5/2008 21:00	344	218	2100	25.03	25.03		0.0292	1.53E-04	1.4683	0.8259	2.2942		
	8/5/2008 22:00	345	218	2200	25.87	25.87		-0.0043	0.00E+00	0.0000	0.0000	0.0000		
	8/5/2008 23:00	346	218	2300	26.04	26.04		-0.0108	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 0:00	347	219	0	26.05	26.05	26.05	-0.0111	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 1:00	348	219	100	25.98	25.98		-0.0085	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 2:00	349	219	200	25.93	25.93		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 3:00	350	219	300	25.91	25.91		-0.0058	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 4:00	351	219	400	25.82	25.82		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 5:00	352	219	500	25.86	25.86		-0.0039	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 6:00	353	219	600	25.81	25.81		-0.0019	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 7:00	354	219	700	25.82	25.82		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 8:00	355	219	800	25.73	25.73		0.0012	2.91E-06	0.0279	0.0157	0.0436		
	8/6/2008 9:00	356	219	900	25.63	25.63		0.0051	1.78E-05	0.1705	0.0959	0.2664		
	8/6/2008 10:00	357	219	1000	22.09	22.09		0.1661	1.31E-03	12.5018	7.0323	19.5341		
	8/6/2008 11:00	358	219	1100	19.08	19.08		0.3501	3.27E-03	31.2956	17.6038	48.8993		
	8/6/2008 12:00	359	219	1200	19.55	19.55		0.3176	2.90E-03	27.7632	15.6168	43.3800		
	8/6/2008 13:00	360	219	1300	20.32	20.32		0.2677	2.35E-03	22.4928	12.6522	35.1450		
	8/6/2008 14:00	361	219	1400	18.85	18.85		0.3666	3.46E-03	33.1180	18.6289	51.7469		
	8/6/2008 15:00	362	219	1500	18.11	18.11		0.4224	4.12E-03	39.4334	22.1813	61.6147		
	8/6/2008 16:00	363	219	1600	18.61	18.61		0.3842	3.67E-03	35.0888	19.7374	54.8262		
	8/6/2008 17:00	364	219	1700	18.25	18.25		0.4115	3.99E-03	38.1833	21.4781	59.6614		
	8/6/2008 18:00	365	219	1800	19.78	19.78		0.3023	2.73E-03	26.1240	14.6947	40.8187		
	8/6/2008 19:00	366	219	1900	20.1	20.1		0.2816	2.50E-03	23.9363	13.4642	37.4005		
	8/6/2008 20:00	367	219	2000	21.52	21.52		0.1970	1.61E-03	15.4217	8.6747	24.0965		
	8/6/2008 21:00	368	219	2100	24.07	24.07		0.0702	4.52E-04	4.3302	2.4357	6.7659		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	25.77	25.77		-0.0004	0.00E+00	0.0000	0.0000	0.0000		
	8/6/2008 23:00	370	219	2300	25.99	25.99		-0.0088	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 0:00	371	220	0	26	26	26.00	-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 1:00	372	220	100	25.96	25.96		-0.0077	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 2:00	373	220	200	25.93	25.93		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 3:00	374	220	300	25.8	25.8		-0.0016	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 4:00	375	220	400	25.89	25.89		-0.0050	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 5:00	376	220	500	25.88	25.88		-0.0046	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 6:00	377	220	600	25.86	25.86		-0.0039	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 7:00	378	220	700	25.84	25.84		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	8/7/2008 8:00	379	220	800	25.67	25.67		0.0035	1.13E-05	0.1082	0.0609	0.1691		
	8/7/2008 9:00	380	220	900	25.05	25.05		0.0283	1.48E-04	1.4176	0.7974	2.2149		
	8/7/2008 10:00	381	220	1000	20.67	20.67		0.2463	2.12E-03	20.2937	11.4152	31.7088		
	8/7/2008 11:00	382	220	1100	19.17	19.17		0.3438	3.20E-03	30.5996	17.2122	47.8118		
	8/7/2008 12:00	383	220	1200	18.63	18.63		0.3827	3.65E-03	34.9218	19.6435	54.5653		
	8/7/2008 13:00	384	220	1300	18.07	18.07		0.4256	4.16E-03	39.7956	22.3850	62.1806		
	8/7/2008 14:00	385	220	1400	17.66	17.66		0.4587	4.56E-03	43.6390	24.5469	68.1859		
	8/7/2008 15:00	386	220	1500	17.41	17.41		0.4796	4.82E-03	46.1050	25.9340	72.0390		
	8/7/2008 16:00	387	220	1600	17.61	17.61		0.4628	4.61E-03	44.1245	24.8201	68.9446		
	8/7/2008 17:00	388	220	1700	17.21	17.21		0.4968	5.03E-03	48.1481	27.0833	75.2314		
	8/7/2008 18:00	389	220	1800	18.12	18.12		0.4216	4.11E-03	39.3432	22.1306	61.4738		
	8/7/2008 19:00	390	220	1900	19.09	19.09		0.3494	3.26E-03	31.2178	17.5600	48.7778		
	8/7/2008 20:00	391	220	2000	21.27	21.27		0.2111	1.75E-03	16.7884	9.4435	26.2318		
	8/7/2008 21:00	392	220	2100	24.33	24.33		0.0588	3.63E-04	3.4790	1.9569	5.4359		
	8/7/2008 22:00	393	220	2200	25.49	25.49		0.0106	4.41E-05	0.4220	0.2374	0.6594		
	8/7/2008 23:00	394	220	2300	25.9	25.9		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 0:00	395	221	0	26.02	26.02	26.02	-0.0100	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 1:00	396	221	100	26	26		-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 2:00	397	221	200	25.89	25.89		-0.0050	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 3:00	398	221	300	25.93	25.93		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 4:00	399	221	400	25.9	25.9		-0.0054	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 5:00	400	221	500	25.87	25.87		-0.0043	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 6:00	401	221	600	25.79	25.79		-0.0012	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 7:00	402	221	700	25.86	25.86		-0.0039	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 8:00	403	221	800	25.77	25.77		-0.0004	0.00E+00	0.0000	0.0000	0.0000		
	8/8/2008 9:00	404	221	900	23.54	23.54		0.0943	6.50E-04	6.2265	3.5024	9.7289		
	8/8/2008 10:00	405	221	1000	19.42	19.42		0.3265	3.00E-03	28.7152	16.1523	44.8675		
	8/8/2008 11:00	406	221	1100	18.86	18.86		0.3659	3.45E-03	33.0374	18.5836	51.6210		
	8/8/2008 12:00	407	221	1200	18.25	18.25		0.4115	3.99E-03	38.1833	21.4781	59.6614		
	8/8/2008 13:00	408	221	1300	17.82	17.82		0.4456	4.40E-03	42.1101	23.6870	65.7971		
	8/8/2008 14:00	409	221	1400	17.36	17.36		0.4839	4.87E-03	46.6098	26.2180	72.8278		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	17.15	17.15		0.5020	5.10E-03	48.7736	27.4351	76.2087		
	8/8/2008 16:00	411	221	1600	17.34	17.34		0.4856	4.89E-03	46.8128	26.3322	73.1450		
	8/8/2008 17:00	412	221	1700	17.23	17.23		0.4951	5.01E-03	47.9409	26.9667	74.9076		
	8/8/2008 18:00	413	221	1800	17.99	17.99		0.4319	4.23E-03	40.5266	22.7962	63.3228		
	8/8/2008 19:00	414	221	1900	18.48	18.48		0.3939	3.78E-03	36.1867	20.3550	56.5417		
	8/8/2008 20:00	415	221	2000	20.32	20.32		0.2677	2.35E-03	22.4928	12.6522	35.1450		
	8/8/2008 21:00	416	221	2100	22.65	22.65		0.1373	1.03E-03	9.8872	5.5616	15.4488		
	8/8/2008 22:00	417	221	2200	24.16	24.16		0.0662	4.21E-04	4.0295	2.2666	6.2961		
	8/8/2008 23:00	418	221	2300	24.11	24.11		0.0684	4.38E-04	4.1958	2.3601	6.5559		
	8/9/2008 0:00	419	222	0	23.64	23.64	25.97	0.0897	6.11E-04	5.8524	3.2920	9.1444		
	8/9/2008 1:00	420	222	100	23.33	23.33		0.1042	7.35E-04	7.0364	3.9580	10.9944		
	8/9/2008 2:00	421	222	200	23.56	23.56		0.0934	6.43E-04	6.1511	3.4600	9.6110		
	8/9/2008 3:00	422	222	300	23.53	23.53		0.0948	6.54E-04	6.2643	3.5237	9.7879		
	8/9/2008 4:00	423	222	400	23.76	23.76		0.0842	5.66E-04	5.4135	3.0451	8.4586		
	8/9/2008 5:00	424	222	500	23.34	23.34		0.1037	7.31E-04	6.9971	3.9359	10.9330		
	8/9/2008 6:00	425	222	600	23.41	23.41		0.1004	7.02E-04	6.7240	3.7822	10.5062		
	8/9/2008 7:00	426	222	700	22.66	22.66		0.1368	1.03E-03	9.8427	5.5365	15.3793		
	8/9/2008 8:00	427	222	800	22.05	22.05		0.1683	1.33E-03	12.6981	7.1427	19.8408		
	8/9/2008 9:00	428	222	900	23.67	23.67		0.0883	6.00E-04	5.7417	3.2297	8.9713		
	8/9/2008 10:00	429	222	1000	22.59	22.59		0.1403	1.06E-03	10.1557	5.7126	15.8682		
	8/9/2008 11:00	430	222	1100	21.33	21.33		0.2077	1.72E-03	16.4555	9.2562	25.7117		
	8/9/2008 12:00	431	222	1200	19.82	19.82		0.2997	2.70E-03	25.8447	14.5376	40.3823		
	8/9/2008 13:00	432	222	1300	19.37	19.37		0.3299	3.04E-03	29.0864	16.3611	45.4475		
	8/9/2008 14:00	433	222	1400	18.19	18.19		0.4162	4.04E-03	38.7158	21.7776	60.4934		
	8/9/2008 15:00	434	222	1500	17.53	17.53		0.4695	4.69E-03	44.9093	25.2615	70.1708		
	8/9/2008 16:00	435	222	1600	17.71	17.71		0.4545	4.51E-03	43.1571	24.2759	67.4330		
	8/9/2008 17:00	436	222	1700	17.71	17.71		0.4545	4.51E-03	43.1571	24.2759	67.4330		
	8/9/2008 18:00	437	222	1800	18.56	18.56		0.3879	3.71E-03	35.5085	19.9735	55.4820		
	8/9/2008 19:00	438	222	1900	19.19	19.19		0.3424	3.18E-03	30.4462	17.1260	47.5721		
	8/9/2008 20:00	439	222	2000	20.92	20.92		0.2314	1.96E-03	18.7935	10.5714	29.3649		
	8/9/2008 21:00	440	222	2100	24.41	24.41		0.0553	3.37E-04	3.2279	1.8157	5.0436		
	8/9/2008 22:00	441	222	2200	25.83	25.83		-0.0027	0.00E+00	0.0000	0.0000	0.0000		
	8/9/2008 23:00	442	222	2300	25.97	25.97		-0.0081	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 0:00	443	223	0	26	26	26.00	-0.0092	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 1:00	444	223	100	25.99	25.99		-0.0088	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 2:00	445	223	200	25.94	25.94		-0.0069	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 3:00	446	223	300	25.93	25.93		-0.0066	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 4:00	447	223	400	25.82	25.82		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 5:00	448	223	500	25.86	25.86		-0.0039	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 6:00	449	223	600	25.82	25.82		-0.0023	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 7:00	450	223	700	25.86	25.86		-0.0039	0.00E+00	0.0000	0.0000	0.0000		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	25.77	25.77		-0.0004	0.00E+00	0.0000	0.0000	0.0000		
	8/10/2008 9:00	452	223	900	25.29	25.29		0.0186	8.81E-05	0.8431	0.4743	1.3174		
	8/10/2008 10:00	453	223	1000	20.99	20.99		0.2273	1.92E-03	18.3837	10.3409	28.7246		
	8/10/2008 11:00	454	223	1100	19.25	19.25		0.3382	3.13E-03	29.9888	16.8687	46.8575		
	8/10/2008 12:00	455	223	1200	18.73	18.73		0.3753	3.56E-03	34.0944	19.1781	53.2725		
	8/10/2008 13:00	456	223	1300	18.24	18.24		0.4123	4.00E-03	38.2717	21.5278	59.7995		
	8/10/2008 14:00	457	223	1400	17.84	17.84		0.4439	4.38E-03	41.9217	23.5809	65.5026		
	8/10/2008 15:00	458	223	1500	18.04	18.04		0.4279	4.19E-03	40.0687	22.5386	62.6073		
	8/10/2008 16:00	459	223	1600	17.93	17.93		0.4367	4.29E-03	41.0808	23.1079	64.1887		
	8/10/2008 17:00	460	223	1700	18.33	18.33		0.4053	3.92E-03	37.4808	21.0830	58.5638		
	8/10/2008 18:00	461	223	1800	23.99	23.99		0.0738	4.81E-04	4.6027	2.5890	7.1917		
	8/10/2008 19:00	462	223	1900	25.45	25.45		0.0122	5.24E-05	0.5012	0.2819	0.7832		
	8/10/2008 20:00	463	223	2000	25.52	25.52		0.0094	3.81E-05	0.3645	0.2051	0.5696		
	8/10/2008 21:00	464	223	2100	25.56	25.56		0.0078	3.04E-05	0.2907	0.1635	0.4542		
	8/10/2008 22:00	465	223	2200	25.62	25.62		0.0055	1.95E-05	0.1869	0.1051	0.2920		
	8/10/2008 23:00	466	223	2300	25.09	25.09		0.0267	1.38E-04	1.3173	0.7410	2.0583		
	8/11/2008 0:00	467	224	0	24.56	24.56	25.47	0.0489	2.89E-04	2.7713	1.5588	4.3301		
	8/11/2008 1:00	468	224	100	24.93	24.93		0.0333	1.81E-04	1.7282	0.9721	2.7003		
	8/11/2008 2:00	469	224	200	25.39	25.39		0.0146	6.53E-05	0.6250	0.3516	0.9766		
	8/11/2008 3:00	470	224	300	25.47	25.47		0.0114	4.82E-05	0.4613	0.2595	0.7208		
	8/11/2008 4:00	471	224	400	25.42	25.42		0.0134	5.88E-05	0.5624	0.3164	0.8788		
	8/11/2008 5:00	472	224	500	25.25	25.25		0.0202	9.76E-05	0.9341	0.5255	1.4596		
	8/11/2008 6:00	473	224	600	25.36	25.36		0.0158	7.20E-05	0.6890	0.3875	1.0765		
	8/11/2008 7:00	474	224	700	25.32	25.32		0.0174	8.11E-05	0.7762	0.4366	1.2129		
	8/11/2008 8:00	475	224	800	25.15	25.15		0.0243	1.22E-04	1.1702	0.6582	1.8284		
	8/11/2008 9:00	476	224	900	23.04	23.04		0.1181	8.58E-04	8.2094	4.6178	12.8272		
	8/11/2008 10:00	477	224	1000	20.27	20.27		0.2708	2.38E-03	22.8166	12.8344	35.6510		
	8/11/2008 11:00	478	224	1100	19.33	19.33		0.3326	3.07E-03	29.3854	16.5293	45.9147		
	8/11/2008 12:00	479	224	1200	18.82	18.82		0.3688	3.49E-03	33.3604	18.7652	52.1257		
	8/11/2008 13:00	480	224	1300	19.03	19.03		0.3537	3.31E-03	31.6864	17.8236	49.5099		
	8/11/2008 14:00	481	224	1400	18.32	18.32		0.4061	3.92E-03	37.5682	21.1321	58.7003		
	8/11/2008 15:00	482	224	1500	17.96	17.96		0.4343	4.26E-03	40.8030	22.9517	63.7547		
	8/11/2008 16:00	483	224	1600	18.44	18.44		0.3970	3.82E-03	36.5289	20.5475	57.0764		
	8/11/2008 17:00	484	224	1700	18.86	18.86		0.3659	3.45E-03	33.0374	18.5836	51.6210		
	8/11/2008 18:00	485	224	1800	19.52	19.52		0.3197	2.92E-03	27.9812	15.7394	43.7206		
	8/11/2008 19:00	486	224	1900	19.53	19.53		0.3190	2.92E-03	27.9084	15.6985	43.6069		
	8/11/2008 20:00	487	224	2000	21.17	21.17		0.2168	1.81E-03	17.3502	9.7595	27.1097		
	8/11/2008 21:00	488	224	2100	22.49	22.49		0.1454	1.11E-03	10.6092	5.9677	16.5769		
	8/11/2008 22:00	489	224	2200	23.74	23.74		0.0851	5.73E-04	5.4859	3.0858	8.5717		
	8/11/2008 23:00	490	224	2300	24.02	24.02		0.0724	4.70E-04	4.4999	2.5312	7.0311		
	8/12/2008 0:00	491	225	0	24.23	24.23	25.83	0.0631	3.97E-04	3.8001	2.1375	5.9376		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	24.26	24.26		0.0618	3.87E-04	3.7029	2.0829	5.7858		
	8/12/2008 2:00	493	225	200	25.01	25.01		0.0300	1.59E-04	1.5195	0.8547	2.3742		
	8/12/2008 3:00	494	225	300	25	25		0.0304	1.61E-04	1.5452	0.8692	2.4144		
	8/12/2008 4:00	495	225	400	25.08	25.08		0.0271	1.40E-04	1.3422	0.7550	2.0972		
	8/12/2008 5:00	496	225	500	25.12	25.12		0.0255	1.30E-04	1.2432	0.6993	1.9426		
	8/12/2008 6:00	497	225	600	25.2	25.2		0.0222	1.10E-04	1.0507	0.5910	1.6417		
	8/12/2008 7:00	498	225	700	25.36	25.36		0.0158	7.20E-05	0.6890	0.3875	1.0765		
	8/12/2008 8:00	499	225	800	25.44	25.44		0.0126	5.45E-05	0.5215	0.2933	0.8148		
	8/12/2008 9:00	500	225	900	24.46	24.46		0.0531	3.21E-04	3.0736	1.7289	4.8025		
	8/12/2008 10:00	501	225	1000	21.48	21.48		0.1993	1.63E-03	15.6368	8.7957	24.4325		
	8/12/2008 11:00	502	225	1100	20	20		0.2880	2.57E-03	24.6086	13.8423	38.4510		
	8/12/2008 12:00	503	225	1200	19.02	19.02		0.3544	3.32E-03	31.7649	17.8677	49.6326		
	8/12/2008 13:00	504	225	1300	18.36	18.36		0.4031	3.89E-03	37.2196	20.9360	58.1557		
	8/12/2008 14:00	505	225	1400	17.92	17.92		0.4375	4.30E-03	41.1736	23.1602	64.3338		
	8/12/2008 15:00	506	225	1500	17.46	17.46		0.4754	4.76E-03	45.6041	25.6523	71.2564		
	8/12/2008 16:00	507	225	1600	17.99	17.99		0.4319	4.23E-03	40.5266	22.7962	63.3228		
	8/12/2008 17:00	508	225	1700	17.73	17.73		0.4529	4.49E-03	42.9655	24.1681	67.1335		
	8/12/2008 18:00	509	225	1800	18.4	18.4		0.4000	3.85E-03	36.8732	20.7412	57.6144		
	8/12/2008 19:00	510	225	1900	19.29	19.29		0.3354	3.10E-03	29.6862	16.6985	46.3846		
	8/12/2008 20:00	511	225	2000	21.73	21.73		0.1855	1.50E-03	14.3148	8.0521	22.3669		
	8/12/2008 21:00	512	225	2100	24.7	24.7		0.0429	2.47E-04	2.3622	1.3287	3.6909		
	8/12/2008 22:00	513	225	2200	25.74	25.74		0.0008	1.77E-06	0.0169	0.0095	0.0265		
	8/12/2008 23:00	514	225	2300	25.83	25.83		-0.0027	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 0:00	515	226	0	25.81	25.81	25.88	-0.0019	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 1:00	516	226	100	25.81	25.81		-0.0019	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 2:00	517	226	200	25.53	25.53		0.0090	3.61E-05	0.3458	0.1945	0.5403		
	8/13/2008 3:00	518	226	300	25.8	25.8		-0.0016	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 4:00	519	226	400	25.63	25.63		0.0051	1.78E-05	0.1705	0.0959	0.2664		
	8/13/2008 5:00	520	226	500	25.44	25.44		0.0126	5.45E-05	0.5215	0.2933	0.8148		
	8/13/2008 6:00	521	226	600	25.83	25.83		-0.0027	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 7:00	522	226	700	25.88	25.88		-0.0046	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 8:00	523	226	800	25.84	25.84		-0.0031	0.00E+00	0.0000	0.0000	0.0000		
	8/13/2008 9:00	524	226	900	23.22	23.22		0.1094	7.81E-04	7.4739	4.2041	11.6780		
	8/13/2008 10:00	525	226	1000	20.17	20.17		0.2771	2.45E-03	23.4718	13.2029	36.6747		
	8/13/2008 11:00	526	226	1100	19.83	19.83		0.2990	2.69E-03	25.7751	14.4985	40.2737		
	8/13/2008 12:00	527	226	1200	18.84	18.84		0.3673	3.47E-03	33.1987	18.6743	51.8730		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/22/2008 13:00	0	204	1300	0.068	0.068	4.91	71.1471	2.27E+00	526405.9871	193965.1124	720371.0996		
W708EC2	7/22/2008 14:00	1	204	1400	4.827	4.827		0.0164	7.53E-05	17.4859	6.4430	23.9289		
	7/22/2008 15:00	2	204	1500	4.906	4.906		0.0000	0.00E+00	0.0000	0.0000	0.0000		
Probe #	7/22/2008 16:00	3	204	1600	4.669	4.669		0.0508	3.03E-04	70.4395	25.9549	96.3944		
	7/22/2008 17:00	4	204	1700	2.617	2.617		0.8747	1.01E-02	2342.7352	863.2290	3205.9642		
21	7/22/2008 18:00	5	204	1800	2.804	2.804		0.7496	8.35E-03	1937.5894	713.9447	2651.5341		
	7/22/2008 19:00	6	204	1900	2.86	2.86		0.7154	7.88E-03	1829.1691	673.9950	2503.1641		
	7/22/2008 20:00	7	204	2000	2.937	2.937		0.6704	7.27E-03	1688.6604	622.2217	2310.8821		
	7/22/2008 21:00	8	204	2100	3.66	3.66		0.3404	3.16E-03	733.2517	270.1817	1003.4334		
DBH (cm)	7/22/2008 22:00	9	204	2200	4.28	4.28		0.1463	1.12E-03	259.1739	95.4980	354.6719		
	7/22/2008 23:00	10	204	2300	4.489	4.489		0.0929	6.38E-04	148.2200	54.6147	202.8348		
11.2	7/23/2008 0:00	11	205	0	4.658	4.658	4.77	0.0532	3.22E-04	74.7020	27.5255	102.2275		
	7/23/2008 1:00	12	205	100	4.721	4.721		0.0392	2.21E-04	51.2234	18.8743	70.0977		
Day Count	7/23/2008 2:00	13	205	200	4.771	4.771		0.0283	1.48E-04	34.3074	12.6413	46.9487		
35	7/23/2008 3:00	14	205	300	4.772	4.772		0.0281	1.46E-04	33.9861	12.5229	46.5090		
	7/23/2008 4:00	15	205	400	4.76	4.76		0.0307	1.63E-04	37.8878	13.9606	51.8484		
	7/23/2008 5:00	16	205	500	4.719	4.719		0.0396	2.24E-04	51.9330	19.1358	71.0688		
	7/23/2008 6:00	17	205	600	4.648	4.648		0.0555	3.39E-04	78.6348	28.9746	107.6094		
	7/23/2008 7:00	18	205	700	4.474	4.474		0.0966	6.70E-04	155.4495	57.2786	212.7281		
	7/23/2008 8:00	19	205	800	4.017	4.017		0.2213	1.86E-03	431.5295	159.0059	590.5355		
	7/23/2008 9:00	20	205	900	3.202	3.202		0.5322	5.47E-03	1270.8112	468.2565	1739.0677		
	7/23/2008 10:00	21	205	1000	2.641	2.641		0.8576	9.85E-03	2286.6920	842.5787	3129.2707		
	7/23/2008 11:00	22	205	1100	2.706	2.706		0.8130	9.22E-03	2141.1270	788.9423	2930.0692		
	7/23/2008 12:00	23	205	1200	2.729	2.729		0.7977	9.01E-03	2091.6980	770.7292	2862.4272		
	7/23/2008 13:00	24	205	1300	2.718	2.718		0.8050	9.11E-03	2115.2066	779.3914	2894.5979		
	7/23/2008 14:00	25	205	1400	2.715	2.715		0.8070	9.14E-03	2121.6596	781.7691	2903.4288		
	7/23/2008 15:00	26	205	1500	2.683	2.683		0.8286	9.44E-03	2191.6240	807.5489	2999.1729		
	7/23/2008 16:00	27	205	1600	2.756	2.756		0.7801	8.77E-03	2034.9964	749.8363	2784.8327		
	7/23/2008 17:00	28	205	1700	2.937	2.937		0.6704	7.27E-03	1688.6604	622.2217	2310.8821		
	7/23/2008 18:00	29	205	1800	3.271	3.271		0.4998	5.07E-03	1176.4791	433.4979	1609.9770		
	7/23/2008 19:00	30	205	1900	3.215	3.215		0.5260	5.40E-03	1252.6237	461.5550	1714.1786		
	7/23/2008 20:00	31	205	2000	3.387	3.387		0.4485	4.43E-03	1029.4630	379.3268	1408.7898		
	7/23/2008 21:00	32	205	2100	3.819	3.819		0.2846	2.53E-03	588.2124	216.7389	804.9513		
	7/23/2008 22:00	33	205	2200	4.114	4.114		0.1925	1.57E-03	363.4854	133.9337	497.4191		
	7/23/2008 23:00	34	205	2300	4.185	4.185		0.1723	1.37E-03	317.0493	116.8233	433.8726		
	7/24/2008 0:00	35	206	0	4.203	4.203	4.58	0.1673	1.32E-03	305.7145	112.6468	418.3613		
	7/24/2008 1:00	36	206	100	4.23	4.23		0.1598	1.25E-03	289.0380	106.5020	395.5401		
	7/24/2008 2:00	37	206	200	4.271	4.271		0.1487	1.14E-03	264.4528	97.4431	361.8959		
	7/24/2008 3:00	38	206	300	4.336	4.336		0.1315	9.79E-04	227.2692	83.7420	311.0113		
	7/24/2008 4:00	39	206	400	4.392	4.392		0.1170	8.48E-04	196.9672	72.5766	269.5438		
	7/24/2008 5:00	40	206	500	4.457	4.457		0.1007	7.05E-04	163.7794	60.3479	224.1273		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/24/2008 6:00	41	206	600	4.515	4.515		0.0866	5.86E-04	135.9570	50.0961	186.0531		
	7/24/2008 7:00	42	206	700	4.517	4.517		0.0861	5.82E-04	135.0278	49.7538	184.7815		
	7/24/2008 8:00	43	206	800	4.439	4.439		0.1052	7.44E-04	172.7574	63.6560	236.4134		
	7/24/2008 9:00	44	206	900	4.218	4.218		0.1631	1.28E-03	296.4018	109.2153	405.6171		
	7/24/2008 10:00	45	206	1000	4.183	4.183		0.1728	1.37E-03	318.3195	117.2914	435.6109		
	7/24/2008 11:00	46	206	1100	3.155	3.155		0.5550	5.76E-03	1338.2358	493.1005	1831.3363		
	7/24/2008 12:00	47	206	1200	2.681	2.681		0.8299	9.46E-03	2196.0665	809.1859	3005.2523		
	7/24/2008 13:00	48	206	1300	2.957	2.957		0.6591	7.12E-03	1653.6973	609.3388	2263.0360		
	7/24/2008 14:00	49	206	1400	2.892	2.892		0.6964	7.62E-03	1769.6106	652.0494	2421.6601		
	7/24/2008 15:00	50	206	1500	2.748	2.748		0.7853	8.84E-03	2051.6503	755.9728	2807.6231		
	7/24/2008 16:00	51	206	1600	2.773	2.773		0.7692	8.62E-03	2000.0095	736.9446	2736.9542		
	7/24/2008 17:00	52	206	1700	2.847	2.847		0.7232	7.99E-03	1853.8543	683.0908	2536.9451		
	7/24/2008 18:00	53	206	1800	2.866	2.866		0.7118	7.83E-03	1817.8723	669.8324	2487.7047		
	7/24/2008 19:00	54	206	1900	3.129	3.129		0.5679	5.93E-03	1376.6914	507.2702	1883.9616		
	7/24/2008 20:00	55	206	2000	3.44	3.44		0.4262	4.16E-03	966.7698	356.2262	1322.9961		
	7/24/2008 21:00	56	206	2100	4.078	4.078		0.2030	1.67E-03	388.1061	143.0057	531.1117		
	7/24/2008 22:00	57	206	2200	4.501	4.501		0.0900	6.14E-04	142.5179	52.5136	195.0315		
	7/24/2008 23:00	58	206	2300	4.584	4.584		0.0702	4.53E-04	105.0737	38.7166	143.7903		
	7/25/2008 0:00	59	207	0	4.585	4.585	4.59	0.0700	4.51E-04	104.6441	38.5583	143.2023		
	7/25/2008 1:00	60	207	100	4.534	4.534		0.0820	5.48E-04	127.2112	46.8736	174.0847		
	7/25/2008 2:00	61	207	200	4.477	4.477		0.0958	6.63E-04	153.9946	56.7425	210.7370		
	7/25/2008 3:00	62	207	300	4.445	4.445		0.1037	7.31E-04	169.7467	62.5467	232.2933		
	7/25/2008 4:00	63	207	400	4.449	4.449		0.1027	7.23E-04	167.7496	61.8108	229.5604		
	7/25/2008 5:00	64	207	500	4.471	4.471		0.0973	6.76E-04	156.9090	57.8163	214.7253		
	7/25/2008 6:00	65	207	600	4.5	4.5		0.0902	6.16E-04	142.9903	52.6877	195.6780		
	7/25/2008 7:00	66	207	700	4.499	4.499		0.0905	6.18E-04	143.4632	52.8620	196.3252		
	7/25/2008 8:00	67	207	800	4.488	4.488		0.0931	6.41E-04	148.6985	54.7910	203.4895		
	7/25/2008 9:00	68	207	900	4.406	4.406		0.1135	8.17E-04	189.6396	69.8766	259.5161		
	7/25/2008 10:00	69	207	1000	4.389	4.389		0.1178	8.55E-04	198.5503	73.1599	271.7102		
	7/25/2008 11:00	70	207	1100	3.97	3.97		0.2358	2.01E-03	466.4929	171.8889	638.3818		
	7/25/2008 12:00	71	207	1200	3.182	3.182		0.5418	5.60E-03	1299.1792	478.7093	1777.8885		
	7/25/2008 13:00	72	207	1300	2.887	2.887		0.6993	7.66E-03	1778.8054	655.4374	2434.2428		
	7/25/2008 14:00	73	207	1400	2.777	2.777		0.7667	8.58E-03	1991.8560	733.9403	2725.7963		
	7/25/2008 15:00	74	207	1500	2.824	2.824		0.7373	8.18E-03	1898.2393	699.4453	2597.6845		
	7/25/2008 16:00	75	207	1600	2.879	2.879		0.7041	7.73E-03	1793.6020	660.8896	2454.4916		
	7/25/2008 17:00	76	207	1700	2.794	2.794		0.7559	8.43E-03	1957.5331	721.2933	2678.8265		
	7/25/2008 18:00	77	207	1800	2.856	2.856		0.7178	7.91E-03	1836.7340	676.7824	2513.5164		
	7/25/2008 19:00	78	207	1900	2.954	2.954		0.6608	7.15E-03	1658.9028	611.2569	2270.1597		
	7/25/2008 20:00	79	207	2000	3.199	3.199		0.5336	5.49E-03	1275.0363	469.8133	1744.8496		
	7/25/2008 21:00	80	207	2100	3.91	3.91		0.2547	2.21E-03	513.1015	189.0628	702.1643		
	7/25/2008 22:00	81	207	2200	4.444	4.444		0.1040	7.33E-04	170.2472	62.7311	232.9783		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/25/2008 23:00	82	207	2300	4.543	4.543		0.0799	5.30E-04	123.1322	45.3706	168.5028		
	7/26/2008 0:00	83	208	0	4.56	4.56	4.56	0.0759	4.98E-04	115.5401	42.5731	158.1132		
	7/26/2008 1:00	84	208	100	4.559	4.559		0.0761	5.00E-04	115.9826	42.7362	158.7187		
	7/26/2008 2:00	85	208	200	4.547	4.547		0.0790	5.23E-04	121.3326	44.7075	166.0401		
	7/26/2008 3:00	86	208	300	4.537	4.537		0.0813	5.42E-04	125.8470	46.3709	172.2179		
	7/26/2008 4:00	87	208	400	4.517	4.517		0.0861	5.82E-04	135.0278	49.7538	184.7815		
	7/26/2008 5:00	88	208	500	4.493	4.493		0.0919	6.30E-04	146.3113	53.9114	200.2227		
	7/26/2008 6:00	89	208	600	4.468	4.468		0.0980	6.82E-04	158.3729	58.3558	216.7287		
	7/26/2008 7:00	90	208	700	4.449	4.449		0.1027	7.23E-04	167.7496	61.8108	229.5604		
	7/26/2008 8:00	91	208	800	4.44	4.44		0.1050	7.42E-04	172.2544	63.4707	235.7250		
	7/26/2008 9:00	92	208	900	3.831	3.831		0.2806	2.49E-03	577.9925	212.9732	790.9657		
	7/26/2008 10:00	93	208	1000	2.628	2.628		0.8668	9.98E-03	2316.8900	853.7058	3170.5958		
	7/26/2008 11:00	94	208	1100	2.772	2.772		0.7698	8.62E-03	2002.0526	737.6974	2739.7500		
	7/26/2008 12:00	95	208	1200	3.049	3.049		0.6091	6.46E-03	1500.4630	552.8764	2053.3394		
	7/26/2008 13:00	96	208	1300	2.823	2.823		0.7379	8.19E-03	1900.1899	700.1641	2600.3540		
	7/26/2008 14:00	97	208	1400	2.844	2.844		0.7250	8.01E-03	1859.5918	685.2049	2544.7967		
	7/26/2008 15:00	98	208	1500	2.826	2.826		0.7360	8.16E-03	1894.3432	698.0097	2592.3528		
	7/26/2008 16:00	99	208	1600	2.847	2.847		0.7232	7.99E-03	1853.8543	683.0908	2536.9451		
	7/26/2008 17:00	100	208	1700	2.787	2.787		0.7603	8.49E-03	1971.6018	726.4772	2698.0791		
	7/26/2008 18:00	101	208	1800	2.925	2.925		0.6773	7.37E-03	1709.9344	630.0605	2339.9949		
	7/26/2008 19:00	102	208	1900	3.015	3.015		0.6272	6.70E-03	1555.6797	573.2222	2128.9019		
	7/26/2008 20:00	103	208	2000	3.167	3.167		0.5491	5.69E-03	1320.7683	486.6642	1807.4325		
	7/26/2008 21:00	104	208	2100	3.876	3.876		0.2657	2.33E-03	540.5275	199.1685	739.6960		
	7/26/2008 22:00	105	208	2200	4.359	4.359		0.1255	9.25E-04	214.6312	79.0853	293.7164		
	7/26/2008 23:00	106	208	2300	4.471	4.471		0.0973	6.76E-04	156.9090	57.8163	214.7253		
	7/27/2008 0:00	107	209	0	4.49	4.49	4.49	0.0927	6.36E-04	147.7421	54.4386	202.1807		
	7/27/2008 1:00	108	209	100	4.493	4.493		0.0919	6.30E-04	146.3113	53.9114	200.2227		
	7/27/2008 2:00	109	209	200	4.488	4.488		0.0931	6.41E-04	148.6985	54.7910	203.4895		
	7/27/2008 3:00	110	209	300	4.459	4.459		0.1002	7.01E-04	162.7919	59.9840	222.7760		
	7/27/2008 4:00	111	209	400	4.44	4.44		0.1050	7.42E-04	172.2544	63.4707	235.7250		
	7/27/2008 5:00	112	209	500	4.41	4.41		0.1125	8.08E-04	187.5641	69.1118	256.6759		
	7/27/2008 6:00	113	209	600	4.365	4.365		0.1239	9.11E-04	211.3785	77.8868	289.2653		
	7/27/2008 7:00	114	209	700	4.327	4.327		0.1338	1.00E-03	232.2880	85.5913	317.8794		
	7/27/2008 8:00	115	209	800	4.281	4.281		0.1460	1.11E-03	258.5900	95.2828	353.8728		
	7/27/2008 9:00	116	209	900	3.372	3.372		0.4549	4.51E-03	1047.7002	386.0467	1433.7469		
	7/27/2008 10:00	117	209	1000	2.486	2.486		0.9735	1.15E-02	2672.5783	984.7665	3657.3448		
	7/27/2008 11:00	118	209	1100	2.601	2.601		0.8862	1.03E-02	2380.8156	877.2605	3258.0760		
	7/27/2008 12:00	119	209	1200	2.666	2.666		0.8402	9.60E-03	2229.6520	821.5611	3051.2131		
	7/27/2008 13:00	120	209	1300	2.723	2.723		0.8017	9.07E-03	2104.4912	775.4431	2879.9343		
	7/27/2008 14:00	121	209	1400	2.713	2.713		0.8083	9.16E-03	2125.9717	783.3580	2909.3297		
	7/27/2008 15:00	122	209	1500	2.701	2.701		0.8164	9.27E-03	2152.0127	792.9533	2944.9660		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/27/2008 16:00	123	209	1600	2.729	2.729		0.7977	9.01E-03	2091.6980	770.7292	2862.4272		
	7/27/2008 17:00	124	209	1700	2.743	2.743		0.7886	8.88E-03	2062.1214	759.8310	2821.9524		
	7/27/2008 18:00	125	209	1800	2.842	2.842		0.7262	8.03E-03	1863.4254	686.6174	2550.0428		
	7/27/2008 19:00	126	209	1900	2.975	2.975		0.6491	6.99E-03	1622.7482	597.9349	2220.6831		
	7/27/2008 20:00	127	209	2000	3.063	3.063		0.6017	6.37E-03	1478.1903	544.6696	2022.8599		
	7/27/2008 21:00	128	209	2100	3.585	3.585		0.3685	3.48E-03	808.2967	297.8336	1106.1303		
	7/27/2008 22:00	129	209	2200	4.056	4.056		0.2096	1.74E-03	403.5169	148.6841	552.2010		
	7/27/2008 23:00	130	209	2300	4.166	4.166		0.1776	1.42E-03	329.2043	121.3021	450.5063		
	7/28/2008 0:00	131	210	0	4.206	4.206	4.38	0.1664	1.31E-03	303.8423	111.9569	415.7992		
	7/28/2008 1:00	132	210	100	4.285	4.285		0.1449	1.10E-03	256.2595	94.4241	350.6835		
	7/28/2008 2:00	133	210	200	4.3	4.3		0.1409	1.07E-03	247.5938	91.2310	338.8248		
	7/28/2008 3:00	134	210	300	4.33	4.33		0.1330	9.93E-04	230.6105	84.9732	315.5837		
	7/28/2008 4:00	135	210	400	4.351	4.351		0.1276	9.43E-04	218.9965	80.6938	299.6902		
	7/28/2008 5:00	136	210	500	4.358	4.358		0.1257	9.27E-04	215.1750	79.2857	294.4607		
	7/28/2008 6:00	137	210	600	4.376	4.376		0.1211	8.85E-04	205.4627	75.7070	281.1697		
	7/28/2008 7:00	138	210	700	4.331	4.331		0.1328	9.91E-04	230.0524	84.7675	314.8199		
	7/28/2008 8:00	139	210	800	3.638	3.638		0.3485	3.25E-03	754.8027	278.1226	1032.9253		
	7/28/2008 9:00	140	210	900	2.82	2.82		0.7397	8.21E-03	1906.0525	702.3243	2608.3768		
	7/28/2008 10:00	141	210	1000	2.569	2.569		0.9097	1.06E-02	2458.7528	905.9781	3364.7309		
	7/28/2008 11:00	142	210	1100	2.674	2.674		0.8347	9.53E-03	2211.6809	814.9393	3026.6203		
	7/28/2008 12:00	143	210	1200	2.684	2.684		0.8279	9.43E-03	2189.4058	806.7316	2996.1375		
	7/28/2008 13:00	144	210	1300	2.714	2.714		0.8077	9.15E-03	2123.8147	782.5632	2906.3778		
	7/28/2008 14:00	145	210	1400	2.735	2.735		0.7938	8.96E-03	2078.9755	766.0413	2845.0168		
	7/28/2008 15:00	146	210	1500	2.713	2.713		0.8083	9.16E-03	2125.9717	783.3580	2909.3297		
	7/28/2008 16:00	147	210	1600	2.739	2.739		0.7912	8.92E-03	2070.5329	762.9304	2833.4634		
	7/28/2008 17:00	148	210	1700	2.753	2.753		0.7821	8.79E-03	2041.2273	752.1322	2793.3595		
	7/28/2008 18:00	149	210	1800	2.854	2.854		0.7190	7.93E-03	1840.5266	678.1799	2518.7065		
	7/28/2008 19:00	150	210	1900	2.988	2.988		0.6419	6.90E-03	1600.6955	589.8092	2190.5047		
	7/28/2008 20:00	151	210	2000	3.163	3.163		0.5511	5.71E-03	1326.5713	488.8025	1815.3738		
	7/28/2008 21:00	152	210	2100	3.782	3.782		0.2972	2.67E-03	620.3457	228.5791	848.9248		
	7/28/2008 22:00	153	210	2200	4.006	4.006		0.2247	1.89E-03	439.5932	161.9772	601.5704		
	7/28/2008 23:00	154	210	2300	4.102	4.102		0.1960	1.60E-03	371.6107	136.9276	508.5382		
	7/29/2008 0:00	155	211	0	4.209	4.209	4.43	0.1656	1.30E-03	301.9749	111.2689	413.2438		
	7/29/2008 1:00	156	211	100	4.289	4.289		0.1439	1.09E-03	253.9372	93.5684	347.5056		
	7/29/2008 2:00	157	211	200	4.367	4.367		0.1234	9.06E-04	210.2984	77.4888	287.7871		
	7/29/2008 3:00	158	211	300	4.4	4.4		0.1150	8.30E-04	192.7679	71.0293	263.7972		
	7/29/2008 4:00	159	211	400	4.427	4.427		0.1082	7.70E-04	178.8331	65.8947	244.7278		
	7/29/2008 5:00	160	211	500	4.399	4.399		0.1153	8.33E-04	193.2910	71.2221	264.5131		
	7/29/2008 6:00	161	211	600	4.352	4.352		0.1273	9.41E-04	218.4490	80.4920	298.9411		
	7/29/2008 7:00	162	211	700	4.262	4.262		0.1511	1.16E-03	269.7739	99.4037	369.1777		
	7/29/2008 8:00	163	211	800	3.933	3.933		0.2474	2.13E-03	494.9682	182.3812	677.3495		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/29/2008 9:00	164	211	900	3.064	3.064		0.6012	6.36E-03	1476.6096	544.0872	2020.6967		
	7/29/2008 10:00	165	211	1000	2.658	2.658		0.8457	9.68E-03	2247.7587	828.2329	3075.9916		
	7/29/2008 11:00	166	211	1100	2.879	2.879		0.7041	7.73E-03	1793.6020	660.8896	2454.4916		
	7/29/2008 12:00	167	211	1200	2.669	2.669		0.8381	9.58E-03	2222.8970	819.0721	3041.9692		
	7/29/2008 13:00	168	211	1300	2.714	2.714		0.8077	9.15E-03	2123.8147	782.5632	2906.3778		
	7/29/2008 14:00	169	211	1400	2.672	2.672		0.8361	9.55E-03	2216.1611	816.5901	3032.7512		
	7/29/2008 15:00	170	211	1500	2.797	2.797		0.7540	8.41E-03	1951.5310	719.0817	2670.6127		
	7/29/2008 16:00	171	211	1600	2.811	2.811		0.7453	8.29E-03	1923.7359	708.8401	2632.5760		
	7/29/2008 17:00	172	211	1700	2.896	2.896		0.6941	7.59E-03	1762.2842	649.3498	2411.6340		
	7/29/2008 18:00	173	211	1800	2.831	2.831		0.7330	8.12E-03	1884.6335	694.4320	2579.0655		
	7/29/2008 19:00	174	211	1900	3.016	3.016		0.6267	6.69E-03	1554.0326	572.6153	2126.6478		
	7/29/2008 20:00	175	211	2000	3.312	3.312		0.4813	4.84E-03	1122.9167	413.7617	1536.6784		
	7/29/2008 21:00	176	211	2100	3.992	3.992		0.2290	1.94E-03	449.9610	165.7974	615.7583		
	7/29/2008 22:00	177	211	2200	4.312	4.312		0.1378	1.04E-03	240.7449	88.7074	329.4524		
	7/29/2008 23:00	178	211	2300	4.391	4.391		0.1173	8.51E-04	197.4944	72.7709	270.2652		
	7/30/2008 0:00	179	212	0	4.368	4.368	4.37	0.1232	9.04E-04	209.7590	77.2900	287.0491		
	7/30/2008 1:00	180	212	100	4.32	4.32		0.1356	1.02E-03	236.2202	87.0402	323.2604		
	7/30/2008 2:00	181	212	200	4.264	4.264		0.1506	1.16E-03	268.5878	98.9667	367.5545		
	7/30/2008 3:00	182	212	300	4.225	4.225		0.1612	1.26E-03	292.0970	107.6291	399.7261		
	7/30/2008 4:00	183	212	400	4.173	4.173		0.1757	1.40E-03	324.7033	119.6436	444.3468		
	7/30/2008 5:00	184	212	500	4.122	4.122		0.1902	1.54E-03	358.1135	131.9543	490.0679		
	7/30/2008 6:00	185	212	600	4.071	4.071		0.2051	1.69E-03	392.9792	144.8013	537.7805		
	7/30/2008 7:00	186	212	700	4.023	4.023		0.2195	1.84E-03	427.1615	157.3965	584.5580		
	7/30/2008 8:00	187	212	800	3.994	3.994		0.2283	1.93E-03	448.4726	165.2490	613.7216		
	7/30/2008 9:00	188	212	900	3.514	3.514		0.3961	3.81E-03	883.5956	325.5790	1209.1746		
	7/30/2008 10:00	189	212	1000	2.286	2.286		1.1461	1.41E-02	3267.5457	1203.9944	4471.5401		
	7/30/2008 11:00	190	212	1100	2.353	2.353		1.0850	1.32E-02	3054.4187	1125.4634	4179.8821		
	7/30/2008 12:00	191	212	1200	2.467	2.467		0.9887	1.17E-02	2724.0377	1003.7277	3727.7654		
	7/30/2008 13:00	192	212	1300	2.488	2.488		0.9719	1.15E-02	2667.2179	982.7913	3650.0092		
	7/30/2008 14:00	193	212	1400	2.526	2.526		0.9422	1.11E-02	2567.3578	945.9958	3513.3536		
	7/30/2008 15:00	194	212	1500	2.586	2.586		0.8971	1.04E-02	2417.0499	890.6117	3307.6616		
	7/30/2008 16:00	195	212	1600	2.55	2.55		0.9239	1.08E-02	2506.1810	923.4539	3429.6349		
	7/30/2008 17:00	196	212	1700	2.562	2.562		0.9149	1.07E-02	2476.1248	912.3791	3388.5039		
	7/30/2008 18:00	197	212	1800	2.714	2.714		0.8077	9.15E-03	2123.8147	782.5632	2906.3778		
	7/30/2008 19:00	198	212	1900	2.861	2.861		0.7148	7.87E-03	1827.2821	673.2997	2500.5818		
	7/30/2008 20:00	199	212	2000	2.976	2.976		0.6485	6.98E-03	1621.0430	597.3066	2218.3496		
	7/30/2008 21:00	200	212	2100	3.602	3.602		0.3620	3.41E-03	790.8917	291.4203	1082.3120		
	7/30/2008 22:00	201	212	2200	4.026	4.026		0.2186	1.83E-03	424.9856	156.5947	581.5802		
	7/30/2008 23:00	202	212	2300	4.18	4.18		0.1737	1.38E-03	320.2289	117.9949	438.2239		
	7/31/2008 0:00	203	213	0	4.263	4.263	4.28	0.1508	1.16E-03	269.1806	99.1851	368.3657		
	7/31/2008 1:00	204	213	100	4.284	4.284		0.1452	1.11E-03	256.8413	94.6385	351.4798		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	7/31/2008 2:00	205	213	200	4.255	4.255		0.1530	1.18E-03	273.9419	100.9395	374.8814		
	7/31/2008 3:00	206	213	300	4.212	4.212		0.1648	1.29E-03	300.1124	110.5826	410.6950		
	7/31/2008 4:00	207	213	400	4.171	4.171		0.1762	1.40E-03	325.9865	120.1164	446.1030		
	7/31/2008 5:00	208	213	500	4.117	4.117		0.1916	1.56E-03	361.4668	133.1899	494.6566		
	7/31/2008 6:00	209	213	600	4.073	4.073		0.2045	1.69E-03	391.5840	144.2872	535.8712		
	7/31/2008 7:00	210	213	700	4.023	4.023		0.2195	1.84E-03	427.1615	157.3965	584.5580		
	7/31/2008 8:00	211	213	800	3.965	3.965		0.2373	2.03E-03	470.2914	173.2886	643.5800		
	7/31/2008 9:00	212	213	900	3.282	3.282		0.4948	5.01E-03	1161.9312	428.1375	1590.0687		
	7/31/2008 10:00	213	213	1000	2.255	2.255		1.1756	1.45E-02	3371.3946	1242.2597	4613.6543		
	7/31/2008 11:00	214	213	1100	2.379	2.379		1.0622	1.28E-02	2975.6449	1096.4376	4072.0825		
	7/31/2008 12:00	215	213	1200	2.359	2.359		1.0797	1.31E-02	3036.0516	1118.6957	4154.7473		
	7/31/2008 13:00	216	213	1300	2.495	2.495		0.9663	1.14E-02	2648.5400	975.9090	3624.4490		
	7/31/2008 14:00	217	213	1400	2.433	2.433		1.0164	1.21E-02	2818.6008	1038.5714	3857.1722		
	7/31/2008 15:00	218	213	1500	2.469	2.469		0.9870	1.17E-02	2718.5749	1001.7148	3720.2898		
	7/31/2008 16:00	219	213	1600	2.53	2.53		0.9391	1.10E-02	2557.0617	942.2020	3499.2637		
	7/31/2008 17:00	220	213	1700	2.571	2.571		0.9082	1.06E-02	2453.8110	904.1571	3357.9682		
	7/31/2008 18:00	221	213	1800	2.684	2.684		0.8279	9.43E-03	2189.4058	806.7316	2996.1375		
	7/31/2008 19:00	222	213	1900	2.86	2.86		0.7154	7.88E-03	1829.1691	673.9950	2503.1641		
	7/31/2008 20:00	223	213	2000	3.085	3.085		0.5903	6.22E-03	1443.7236	531.9696	1975.6932		
	7/31/2008 21:00	224	213	2100	3.411	3.411		0.4383	4.31E-03	1000.7406	368.7435	1369.4841		
	7/31/2008 22:00	225	213	2200	3.73	3.73		0.3153	2.87E-03	667.1346	245.8195	912.9540		
	7/31/2008 23:00	226	213	2300	3.735	3.735		0.3135	2.85E-03	662.5512	244.1306	906.6818		
	8/1/2008 0:00	227	214	0	3.877	3.877	4.17	0.2654	2.32E-03	539.7102	198.8673	738.5775		
	8/1/2008 1:00	228	214	100	4.079	4.079		0.2027	1.67E-03	387.4122	142.7500	530.1622		
	8/1/2008 2:00	229	214	200	4.15	4.15		0.1822	1.46E-03	339.5930	125.1300	464.7230		
	8/1/2008 3:00	230	214	300	4.157	4.157		0.1802	1.44E-03	335.0306	123.4489	458.4796		
	8/1/2008 4:00	231	214	400	4.169	4.169		0.1768	1.41E-03	327.2720	120.5901	447.8621		
	8/1/2008 5:00	232	214	500	4.144	4.144		0.1839	1.48E-03	343.5251	126.5789	470.1040		
	8/1/2008 6:00	233	214	600	4.056	4.056		0.2096	1.74E-03	403.5169	148.6841	552.2010		
	8/1/2008 7:00	234	214	700	3.962	3.962		0.2383	2.04E-03	472.5779	174.1311	646.7090		
	8/1/2008 8:00	235	214	800	3.912	3.912		0.2541	2.20E-03	511.5113	188.4769	699.9882		
	8/1/2008 9:00	236	214	900	3.325	3.325		0.4755	4.77E-03	1106.3059	407.6412	1513.9470		
	8/1/2008 10:00	237	214	1000	2.293	2.293		1.1396	1.40E-02	3244.5677	1195.5277	4440.0953		
	8/1/2008 11:00	238	214	1100	2.366	2.366		1.0735	1.30E-02	3014.7671	1110.8530	4125.6201		
	8/1/2008 12:00	239	214	1200	2.44	2.44		1.0107	1.21E-02	2798.8667	1031.3000	3830.1666		
	8/1/2008 13:00	240	214	1300	2.439	2.439		1.0115	1.21E-02	2801.6773	1032.3356	3834.0129		
	8/1/2008 14:00	241	214	1400	2.451	2.451		1.0016	1.19E-02	2768.1358	1019.9766	3788.1123		
	8/1/2008 15:00	242	214	1500	2.459	2.459		0.9951	1.18E-02	2745.9984	1011.8196	3757.8180		
	8/1/2008 16:00	243	214	1600	2.492	2.492		0.9687	1.14E-02	2656.5289	978.8527	3635.3817		
	8/1/2008 17:00	244	214	1700	2.51	2.51		0.9546	1.12E-02	2608.9486	961.3208	3570.2694		
	8/1/2008 18:00	245	214	1800	2.704	2.704		0.8143	9.24E-03	2145.4752	790.5445	2936.0196		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/1/2008 19:00	246	214	1900	2.793	2.793		0.7565	8.44E-03	1959.5375	722.0319	2681.5694		
	8/1/2008 20:00	247	214	2000	3.018	3.018		0.6256	6.68E-03	1550.7425	571.4030	2122.1454		
	8/1/2008 21:00	248	214	2100	3.719	3.719		0.3192	2.92E-03	677.2825	249.5586	926.8411		
	8/1/2008 22:00	249	214	2200	4.041	4.041		0.2141	1.78E-03	414.1853	152.6151	566.8004		
	8/1/2008 23:00	250	214	2300	4.115	4.115		0.1922	1.56E-03	362.8120	133.6855	496.4975		
	8/2/2008 0:00	251	215	0	4.144	4.144	4.24	0.1839	1.48E-03	343.5251	126.5789	470.1040		
	8/2/2008 1:00	252	215	100	4.201	4.201		0.1678	1.32E-03	306.9653	113.1077	420.0730		
	8/2/2008 2:00	253	215	200	4.237	4.237		0.1579	1.23E-03	284.7778	104.9323	389.7101		
	8/2/2008 3:00	254	215	300	4.225	4.225		0.1612	1.26E-03	292.0970	107.6291	399.7261		
	8/2/2008 4:00	255	215	400	4.167	4.167		0.1773	1.42E-03	328.5596	121.0645	449.6242		
	8/2/2008 5:00	256	215	500	4.113	4.113		0.1928	1.57E-03	364.1594	134.1820	498.3414		
	8/2/2008 6:00	257	215	600	4.067	4.067		0.2063	1.70E-03	395.7766	145.8320	541.6086		
	8/2/2008 7:00	258	215	700	3.966	3.966		0.2370	2.02E-03	469.5305	173.0082	642.5387		
	8/2/2008 8:00	259	215	800	3.414	3.414		0.4370	4.30E-03	997.1894	367.4349	1364.6243		
	8/2/2008 9:00	260	215	900	2.515	2.515		0.9507	1.12E-02	2595.8812	956.5058	3552.3870		
	8/2/2008 10:00	261	215	1000	2.349	2.349		1.0885	1.32E-02	3066.7272	1129.9987	4196.7259		
	8/2/2008 11:00	262	215	1100	2.389	2.389		1.0536	1.27E-02	2945.9052	1085.4794	4031.3846		
	8/2/2008 12:00	263	215	1200	2.41	2.41		1.0357	1.24E-02	2884.4347	1062.8293	3947.2640		
	8/2/2008 13:00	264	215	1300	2.454	2.454		0.9992	1.19E-02	2759.8134	1016.9100	3776.7235		
	8/2/2008 14:00	265	215	1400	2.519	2.519		0.9476	1.11E-02	2585.4734	952.6708	3538.1442		
	8/2/2008 15:00	266	215	1500	2.529	2.529		0.9399	1.10E-02	2559.6320	943.1490	3502.7810		
	8/2/2008 16:00	267	215	1600	2.568	2.568		0.9104	1.06E-02	2461.2273	906.8898	3368.1172		
	8/2/2008 17:00	268	215	1700	2.59	2.59		0.8942	1.04E-02	2407.3363	887.0326	3294.3689		
	8/2/2008 18:00	269	215	1800	2.672	2.672		0.8361	9.55E-03	2216.1611	816.5901	3032.7512		
	8/2/2008 19:00	270	215	1900	2.842	2.842		0.7262	8.03E-03	1863.4254	686.6174	2550.0428		
	8/2/2008 20:00	271	215	2000	2.961	2.961		0.6569	7.09E-03	1646.7777	606.7891	2253.5668		
	8/2/2008 21:00	272	215	2100	3.374	3.374		0.4541	4.50E-03	1045.2557	385.1460	1430.4017		
	8/2/2008 22:00	273	215	2200	3.782	3.782		0.2972	2.67E-03	620.3457	228.5791	848.9248		
	8/2/2008 23:00	274	215	2300	3.945	3.945		0.2436	2.09E-03	485.6398	178.9440	664.5837		
	8/3/2008 0:00	275	216	0	3.907	3.907	4.15	0.2557	2.22E-03	515.4915	189.9434	705.4349		
	8/3/2008 1:00	276	216	100	3.861	3.861		0.2707	2.38E-03	552.8665	203.7150	756.5816		
	8/3/2008 2:00	277	216	200	3.958	3.958		0.2395	2.05E-03	475.6352	175.2576	650.8928		
	8/3/2008 3:00	278	216	300	4.081	4.081		0.2022	1.66E-03	386.0262	142.2393	528.2654		
	8/3/2008 4:00	279	216	400	4.129	4.129		0.1882	1.52E-03	353.4426	130.2332	483.6757		
	8/3/2008 5:00	280	216	500	4.151	4.151		0.1819	1.46E-03	338.9396	124.8893	463.8288		
	8/3/2008 6:00	281	216	600	4.092	4.092		0.1989	1.63E-03	378.4439	139.4454	517.8893		
	8/3/2008 7:00	282	216	700	3.989	3.989		0.2299	1.95E-03	452.1980	166.6217	618.8197		
	8/3/2008 8:00	283	216	800	3.551	3.551		0.3816	3.63E-03	843.8227	310.9238	1154.7465		
	8/3/2008 9:00	284	216	900	2.549	2.549		0.9247	1.08E-02	2508.7015	924.3827	3433.0842		
	8/3/2008 10:00	285	216	1000	2.367	2.367		1.0727	1.30E-02	3011.7391	1109.7372	4121.4763		
	8/3/2008 11:00	286	216	1100	2.471	2.471		0.9854	1.17E-02	2713.1230	999.7060	3712.8290		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/3/2008 12:00	287	216	1200	2.477	2.477		0.9806	1.16E-02	2696.8325	993.7034	3690.5359		
	8/3/2008 13:00	288	216	1300	2.54	2.54		0.9315	1.09E-02	2531.4972	932.7822	3464.2794		
	8/3/2008 14:00	289	216	1400	2.58	2.58		0.9016	1.05E-02	2431.6906	896.0064	3327.6970		
	8/3/2008 15:00	290	216	1500	2.585	2.585		0.8979	1.04E-02	2419.4841	891.5087	3310.9928		
	8/3/2008 16:00	291	216	1600	2.661	2.661		0.8437	9.65E-03	2240.9527	825.7251	3066.6778		
	8/3/2008 17:00	292	216	1700	2.671	2.671		0.8368	9.56E-03	2218.4043	817.4167	3035.8210		
	8/3/2008 18:00	293	216	1800	2.742	2.742		0.7892	8.89E-03	2064.2213	760.6048	2824.8262		
	8/3/2008 19:00	294	216	1900	2.867	2.867		0.7112	7.82E-03	1815.9953	669.1408	2485.1362		
	8/3/2008 20:00	295	216	2000	2.895	2.895		0.6946	7.60E-03	1764.1133	650.0238	2414.1372		
	8/3/2008 21:00	296	216	2100	3.193	3.193		0.5365	5.53E-03	1283.5183	472.9387	1756.4570		
	8/3/2008 22:00	297	216	2200	3.413	3.413		0.4374	4.30E-03	998.3722	367.8708	1366.2429		
	8/3/2008 23:00	298	216	2300	3.45	3.45		0.4220	4.11E-03	955.2388	351.9774	1307.2162		
	8/4/2008 0:00	299	217	0	3.441	3.441	3.89	0.4257	4.16E-03	965.6125	355.7998	1321.4123		
	8/4/2008 1:00	300	217	100	3.492	3.492		0.4049	3.91E-03	907.8089	334.5009	1242.3098		
	8/4/2008 2:00	301	217	200	3.388	3.388		0.4481	4.43E-03	1028.2550	378.8817	1407.1367		
	8/4/2008 3:00	302	217	300	3.266	3.266		0.5021	5.10E-03	1183.1355	435.9506	1619.0861		
	8/4/2008 4:00	303	217	400	3.161	3.161		0.5520	5.73E-03	1329.4801	489.8743	1819.3544		
	8/4/2008 5:00	304	217	500	3.245	3.245		0.5119	5.22E-03	1211.3938	446.3629	1657.7567		
	8/4/2008 6:00	305	217	600	3.513	3.513		0.3965	3.81E-03	884.6870	325.9811	1210.6681		
	8/4/2008 7:00	306	217	700	3.599	3.599		0.3632	3.42E-03	793.9461	292.5458	1086.4918		
	8/4/2008 8:00	307	217	800	3.523	3.523		0.3926	3.76E-03	873.8125	321.9742	1195.7867		
	8/4/2008 9:00	308	217	900	3.295	3.295		0.4889	4.93E-03	1144.9070	421.8645	1566.7715		
	8/4/2008 10:00	309	217	1000	2.734	2.734		0.7944	8.96E-03	2081.0911	766.8208	2847.9119		
	8/4/2008 11:00	310	217	1100	2.591	2.591		0.8935	1.04E-02	2404.9137	886.1399	3291.0537		
	8/4/2008 12:00	311	217	1200	2.631	2.631		0.8647	9.95E-03	2309.8882	851.1258	3161.0140		
	8/4/2008 13:00	312	217	1300	2.649	2.649		0.8520	9.77E-03	2268.2926	835.7991	3104.0916		
	8/4/2008 14:00	313	217	1400	2.755	2.755		0.7808	8.77E-03	2037.0715	750.6009	2787.6723		
	8/4/2008 15:00	314	217	1500	2.834	2.834		0.7311	8.09E-03	1878.8287	692.2931	2571.1218		
	8/4/2008 16:00	315	217	1600	2.655	2.655		0.8478	9.71E-03	2254.5840	830.7478	3085.3318		
	8/4/2008 17:00	316	217	1700	2.657	2.657		0.8464	9.69E-03	2250.0317	829.0704	3079.1021		
	8/4/2008 18:00	317	217	1800	2.757	2.757		0.7795	8.76E-03	2032.9232	749.0724	2781.9956		
	8/4/2008 19:00	318	217	1900	2.886	2.886		0.6999	7.67E-03	1780.6492	656.1168	2436.7660		
	8/4/2008 20:00	319	217	2000	3.026	3.026		0.6213	6.62E-03	1537.6386	566.5746	2104.2132		
	8/4/2008 21:00	320	217	2100	3.604	3.604		0.3613	3.40E-03	788.8595	290.6715	1079.5310		
	8/4/2008 22:00	321	217	2200	3.84	3.84		0.2776	2.46E-03	570.3914	210.1725	780.5639		
	8/4/2008 23:00	322	217	2300	3.893	3.893		0.2602	2.27E-03	526.7211	194.0812	720.8024		
	8/5/2008 0:00	323	218	0	3.987	3.987	4.05	0.2305	1.95E-03	453.6924	167.1723	620.8647		
	8/5/2008 1:00	324	218	100	4.034	4.034		0.2162	1.81E-03	419.2089	154.4662	573.6751		
	8/5/2008 2:00	325	218	200	4.049	4.049		0.2117	1.76E-03	408.4791	150.5125	558.9917		
	8/5/2008 3:00	326	218	300	4.012	4.012		0.2228	1.87E-03	435.1859	160.3532	595.5391		
	8/5/2008 4:00	327	218	400	3.942	3.942		0.2445	2.10E-03	487.9634	179.8002	667.7636		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/5/2008 5:00	328	218	500	3.923	3.923		0.2506	2.17E-03	502.8111	185.2711	688.0822		
	8/5/2008 6:00	329	218	600	3.914	3.914		0.2534	2.20E-03	509.9238	187.8919	697.8157		
	8/5/2008 7:00	330	218	700	3.896	3.896		0.2592	2.26E-03	524.3042	193.1906	717.4948		
	8/5/2008 8:00	331	218	800	3.836	3.836		0.2789	2.47E-03	573.7629	211.4148	785.1777		
	8/5/2008 9:00	332	218	900	3.271	3.271		0.4998	5.07E-03	1176.4791	433.4979	1609.9770		
	8/5/2008 10:00	333	218	1000	2.438	2.438		1.0123	1.21E-02	2804.4908	1033.3723	3837.8631		
	8/5/2008 11:00	334	218	1100	2.606	2.606		0.8826	1.02E-02	2368.8528	872.8525	3241.7054		
	8/5/2008 12:00	335	218	1200	2.512	2.512		0.9530	1.12E-02	2603.7139	959.3919	3563.1059		
	8/5/2008 13:00	336	218	1300	2.366	2.366		1.0735	1.30E-02	3014.7671	1110.8530	4125.6201		
	8/5/2008 14:00	337	218	1400	2.61	2.61		0.8797	1.02E-02	2359.3237	869.3414	3228.6651		
	8/5/2008 15:00	338	218	1500	2.743	2.743		0.7886	8.88E-03	2062.1214	759.8310	2821.9524		
	8/5/2008 16:00	339	218	1600	2.677	2.677		0.8326	9.50E-03	2204.9765	812.4689	3017.4454		
	8/5/2008 17:00	340	218	1700	2.492	2.492		0.9687	1.14E-02	2656.5289	978.8527	3635.3817		
	8/5/2008 18:00	341	218	1800	2.479	2.479		0.9790	1.16E-02	2691.4239	991.7105	3683.1344		
	8/5/2008 19:00	342	218	1900	2.626	2.626		0.8682	1.00E-02	2321.5691	855.4299	3176.9989		
	8/5/2008 20:00	343	218	2000	2.844	2.844		0.7250	8.01E-03	1859.5918	685.2049	2544.7967		
	8/5/2008 21:00	344	218	2100	3.63	3.63		0.3515	3.29E-03	762.7334	281.0448	1043.7781		
	8/5/2008 22:00	345	218	2200	3.889	3.889		0.2615	2.28E-03	529.9528	195.2720	725.2248		
	8/5/2008 23:00	346	218	2300	3.879	3.879		0.2648	2.32E-03	538.0774	198.2657	736.3431		
	8/6/2008 0:00	347	219	0	3.835	3.835	3.84	0.2793	2.48E-03	574.6075	211.7259	786.3334		
	8/6/2008 1:00	348	219	100	3.801	3.801		0.2907	2.60E-03	603.7266	222.4555	826.1821		
	8/6/2008 2:00	349	219	200	3.786	3.786		0.2958	2.66E-03	616.8260	227.2822	844.1082		
	8/6/2008 3:00	350	219	300	3.766	3.766		0.3027	2.73E-03	634.5368	233.8081	868.3449		
	8/6/2008 4:00	351	219	400	3.773	3.773		0.3003	2.71E-03	628.3060	231.5123	859.8182		
	8/6/2008 5:00	352	219	500	3.719	3.719		0.3192	2.92E-03	677.2825	249.5586	926.8411		
	8/6/2008 6:00	353	219	600	3.697	3.697		0.3270	3.01E-03	697.8462	257.1358	954.9820		
	8/6/2008 7:00	354	219	700	3.665	3.665		0.3386	3.14E-03	728.4062	268.3962	996.8024		
	8/6/2008 8:00	355	219	800	3.655	3.655		0.3423	3.18E-03	738.1166	271.9743	1010.0909		
	8/6/2008 9:00	356	219	900	3.665	3.665		0.3386	3.14E-03	728.4062	268.3962	996.8024		
	8/6/2008 10:00	357	219	1000	2.528	2.528		0.9407	1.10E-02	2562.2047	944.0970	3506.3018		
	8/6/2008 11:00	358	219	1100	2.006	2.006		1.4457	1.87E-02	4348.6873	1602.3633	5951.0505		
	8/6/2008 12:00	359	219	1200	2.347	2.347		1.0903	1.32E-02	3072.9007	1132.2735	4205.1741		
	8/6/2008 13:00	360	219	1300	2.535	2.535		0.9353	1.10E-02	2544.2482	937.4806	3481.7288		
	8/6/2008 14:00	361	219	1400	2.325	2.325		1.1101	1.35E-02	3141.6658	1157.6114	4299.2772		
	8/6/2008 15:00	362	219	1500	2.206	2.206		1.2239	1.53E-02	3542.7950	1305.4157	4848.2107		
	8/6/2008 16:00	363	219	1600	2.264	2.264		1.1670	1.44E-02	3340.8889	1231.0192	4571.9081		
	8/6/2008 17:00	364	219	1700	2.208	2.208		1.2219	1.52E-02	3535.6185	1302.7713	4838.3898		
	8/6/2008 18:00	365	219	1800	2.455	2.455		0.9984	1.19E-02	2757.0449	1015.8899	3772.9348		
	8/6/2008 19:00	366	219	1900	2.366	2.366		1.0735	1.30E-02	3014.7671	1110.8530	4125.6201		
	8/6/2008 20:00	367	219	2000	2.521	2.521		0.9461	1.11E-02	2580.2848	950.7590	3531.0438		
	8/6/2008 21:00	368	219	2100	3.174	3.174		0.5457	5.65E-03	1310.6597	482.9395	1793.5992		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/6/2008 22:00	369	219	2200	3.612	3.612		0.3583	3.36E-03	780.7630	287.6882	1068.4512		
	8/6/2008 23:00	370	219	2300	3.7	3.7		0.3259	2.99E-03	695.0208	256.0947	951.1156		
	8/7/2008 0:00	371	220	0	3.73	3.73	3.73	0.3153	2.87E-03	667.1346	245.8195	912.9540		
	8/7/2008 1:00	372	220	100	3.716	3.716		0.3202	2.93E-03	680.0655	250.5841	930.6496		
	8/7/2008 2:00	373	220	200	3.693	3.693		0.3285	3.02E-03	701.6238	258.5277	960.1516		
	8/7/2008 3:00	374	220	300	3.7	3.7		0.3259	2.99E-03	695.0208	256.0947	951.1156		
	8/7/2008 4:00	375	220	400	3.646	3.646		0.3456	3.22E-03	746.9223	275.2189	1022.1412		
	8/7/2008 5:00	376	220	500	3.63	3.63		0.3515	3.29E-03	762.7334	281.0448	1043.7781		
	8/7/2008 6:00	377	220	600	3.609	3.609		0.3594	3.38E-03	783.7932	288.8047	1072.5979		
	8/7/2008 7:00	378	220	700	3.601	3.601		0.3624	3.41E-03	791.9090	291.7952	1083.7042		
	8/7/2008 8:00	379	220	800	3.605	3.605		0.3609	3.39E-03	787.8446	290.2976	1078.1422		
	8/7/2008 9:00	380	220	900	3.405	3.405		0.4408	4.34E-03	1007.8690	371.3701	1379.2390		
	8/7/2008 10:00	381	220	1000	2.157	2.157		1.2745	1.60E-02	3723.6615	1372.0596	5095.7211		
	8/7/2008 11:00	382	220	1100	2.004	2.004		1.4481	1.88E-02	4357.7271	1605.6942	5963.4213		
	8/7/2008 12:00	383	220	1200	2.12	2.12		1.3142	1.67E-02	3866.9443	1424.8552	5291.7995		
	8/7/2008 13:00	384	220	1300	2.131	2.131		1.3022	1.65E-02	3823.7204	1408.9284	5232.6488		
	8/7/2008 14:00	385	220	1400	2.16	2.16		1.2713	1.60E-02	3712.3029	1367.8743	5080.1772		
	8/7/2008 15:00	386	220	1500	2.183	2.183		1.2474	1.56E-02	3626.4702	1336.2475	4962.7177		
	8/7/2008 16:00	387	220	1600	2.193	2.193		1.2371	1.55E-02	3589.8289	1322.7463	4912.5752		
	8/7/2008 17:00	388	220	1700	2.114	2.114		1.3207	1.68E-02	3890.7494	1433.6266	5324.3760		
	8/7/2008 18:00	389	220	1800	2.254	2.254		1.1766	1.45E-02	3374.8024	1243.5154	4618.3178		
	8/7/2008 19:00	390	220	1900	2.423	2.423		1.0248	1.23E-02	2847.0356	1049.0488	3896.0845		
	8/7/2008 20:00	391	220	2000	2.491	2.491		0.9695	1.15E-02	2659.1972	979.8359	3639.0331		
	8/7/2008 21:00	392	220	2100	3.11	3.11		0.5775	6.05E-03	1405.3311	517.8232	1923.1543		
	8/7/2008 22:00	393	220	2200	3.438	3.438		0.4270	4.17E-03	969.0872	357.0801	1326.1673		
	8/7/2008 23:00	394	220	2300	3.573	3.573		0.3731	3.54E-03	820.7254	302.4132	1123.1386		
	8/8/2008 0:00	395	221	0	3.657	3.657	3.76	0.3415	3.17E-03	736.1684	271.2564	1007.4247		
	8/8/2008 1:00	396	221	100	3.682	3.682		0.3324	3.07E-03	712.0744	262.3785	974.4529		
	8/8/2008 2:00	397	221	200	3.764	3.764		0.3034	2.74E-03	636.3234	234.4665	870.7899		
	8/8/2008 3:00	398	221	300	3.726	3.726		0.3167	2.89E-03	670.8145	247.1754	917.9898		
	8/8/2008 4:00	399	221	400	3.694	3.694		0.3281	3.02E-03	700.6783	258.1793	958.8576		
	8/8/2008 5:00	400	221	500	3.656	3.656		0.3419	3.18E-03	737.1421	271.6152	1008.7573		
	8/8/2008 6:00	401	221	600	3.632	3.632		0.3508	3.28E-03	760.7460	280.3125	1041.0584		
	8/8/2008 7:00	402	221	700	3.599	3.599		0.3632	3.42E-03	793.9461	292.5458	1086.4918		
	8/8/2008 8:00	403	221	800	3.599	3.599		0.3632	3.42E-03	793.9461	292.5458	1086.4918		
	8/8/2008 9:00	404	221	900	2.876	2.876		0.7058	7.75E-03	1799.1780	662.9441	2462.1221		
	8/8/2008 10:00	405	221	1000	1.963	1.963		1.4992	1.96E-02	4547.9066	1675.7697	6223.6763		
	8/8/2008 11:00	406	221	1100	2.02	2.02		1.4287	1.85E-02	4286.0068	1579.2674	5865.2742		
	8/8/2008 12:00	407	221	1200	2.094	2.094		1.3429	1.71E-02	3971.2861	1463.3020	5434.5882		
	8/8/2008 13:00	408	221	1300	2.119	2.119		1.3152	1.67E-02	3870.9006	1426.3129	5297.2135		
	8/8/2008 14:00	409	221	1400	2.116	2.116		1.3185	1.67E-02	3882.7963	1430.6961	5313.4924		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/8/2008 15:00	410	221	1500	2.099	2.099		1.3373	1.70E-02	3950.9789	1455.8194	5406.7983		
	8/8/2008 16:00	411	221	1600	2.133	2.133		1.3000	1.64E-02	3815.9191	1406.0539	5221.9730		
	8/8/2008 17:00	412	221	1700	2.161	2.161		1.2702	1.60E-02	3708.5251	1366.4824	5075.0075		
	8/8/2008 18:00	413	221	1800	2.278	2.278		1.1536	1.42E-02	3294.0168	1213.7482	4507.7650		
	8/8/2008 19:00	414	221	1900	2.347	2.347		1.0903	1.32E-02	3072.9007	1132.2735	4205.1741		
	8/8/2008 20:00	415	221	2000	2.497	2.497		0.9648	1.14E-02	2643.2272	973.9514	3617.1786		
	8/8/2008 21:00	416	221	2100	3.016	3.016		0.6267	6.69E-03	1554.0326	572.6153	2126.6478		
	8/8/2008 22:00	417	221	2200	3.275	3.275		0.4980	5.04E-03	1171.1737	431.5430	1602.7168		
	8/8/2008 23:00	418	221	2300	3.411	3.411		0.4383	4.31E-03	1000.7406	368.7435	1369.4841		
	8/9/2008 0:00	419	222	0	3.397	3.397	3.60	0.4442	4.38E-03	1017.4274	374.8921	1392.3195		
	8/9/2008 1:00	420	222	100	3.376	3.376		0.4532	4.49E-03	1042.8152	384.2467	1427.0619		
	8/9/2008 2:00	421	222	200	3.356	3.356		0.4619	4.60E-03	1067.3998	393.3054	1460.7052		
	8/9/2008 3:00	422	222	300	3.326	3.326		0.4750	4.76E-03	1105.0354	407.1730	1512.2085		
	8/9/2008 4:00	423	222	400	3.304	3.304		0.4849	4.88E-03	1133.2269	417.5608	1550.7877		
	8/9/2008 5:00	424	222	500	3.237	3.237		0.5156	5.27E-03	1222.2884	450.3773	1672.6657		
	8/9/2008 6:00	425	222	600	3.238	3.238		0.5151	5.26E-03	1220.9226	449.8741	1670.7967		
	8/9/2008 7:00	426	222	700	3.09	3.09		0.5877	6.19E-03	1435.9798	529.1163	1965.0961		
	8/9/2008 8:00	427	222	800	2.829	2.829		0.7342	8.13E-03	1888.5121	695.8611	2584.3733		
	8/9/2008 9:00	428	222	900	3.033	3.033		0.6175	6.57E-03	1526.2465	562.3769	2088.6234		
	8/9/2008 10:00	429	222	1000	2.935	2.935		0.6716	7.29E-03	1692.1906	623.5224	2315.7130		
	8/9/2008 11:00	430	222	1100	2.623	2.623		0.8704	1.00E-02	2328.6043	858.0221	3186.6264		
	8/9/2008 12:00	431	222	1200	2.256	2.256		1.1746	1.45E-02	3367.9905	1241.0054	4608.9959		
	8/9/2008 13:00	432	222	1300	2.165	2.165		1.2661	1.59E-02	3693.4563	1360.9299	5054.3862		
	8/9/2008 14:00	433	222	1400	2.031	2.031		1.4156	1.83E-02	4237.4822	1561.3875	5798.8697		
	8/9/2008 15:00	434	222	1500	2.09	2.09		1.3474	1.72E-02	3987.6160	1469.3191	5456.9351		
	8/9/2008 16:00	435	222	1600	2.147	2.147		1.2850	1.62E-02	3761.8001	1386.1126	5147.9127		
	8/9/2008 17:00	436	222	1700	2.176	2.176		1.2546	1.57E-02	3652.3613	1345.7877	4998.1490		
	8/9/2008 18:00	437	222	1800	2.22	2.22		1.2099	1.50E-02	3492.8875	1287.0262	4779.9137		
	8/9/2008 19:00	438	222	1900	2.405	2.405		1.0399	1.25E-02	2898.9512	1068.1782	3967.1294		
	8/9/2008 20:00	439	222	2000	2.489	2.489		0.9711	1.15E-02	2664.5417	981.8052	3646.3469		
	8/9/2008 21:00	440	222	2100	3.205	3.205		0.5307	5.46E-03	1266.5966	466.7036	1733.3001		
	8/9/2008 22:00	441	222	2200	3.555	3.555		0.3800	3.62E-03	839.5930	309.3653	1148.9583		
	8/9/2008 23:00	442	222	2300	3.601	3.601		0.3624	3.41E-03	791.9090	291.7952	1083.7042		
	8/10/2008 0:00	443	223	0	3.614	3.614	3.62	0.3575	3.35E-03	778.7469	286.9453	1065.6923		
	8/10/2008 1:00	444	223	100	3.621	3.621		0.3549	3.32E-03	771.7159	284.3546	1056.0705		
	8/10/2008 2:00	445	223	200	3.607	3.607		0.3601	3.38E-03	785.8173	289.5505	1075.3678		
	8/10/2008 3:00	446	223	300	3.593	3.593		0.3654	3.45E-03	800.0768	294.8047	1094.8815		
	8/10/2008 4:00	447	223	400	3.615	3.615		0.3571	3.35E-03	777.7401	286.5743	1064.3145		
	8/10/2008 5:00	448	223	500	3.564	3.564		0.3765	3.58E-03	830.1253	305.8767	1136.0021		
	8/10/2008 6:00	449	223	600	3.551	3.551		0.3816	3.63E-03	843.8227	310.9238	1154.7465		
	8/10/2008 7:00	450	223	700	3.538	3.538		0.3867	3.69E-03	857.6631	316.0236	1173.6867		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/10/2008 8:00	451	223	800	3.543	3.543		0.3847	3.67E-03	852.3228	314.0559	1166.3787		
	8/10/2008 9:00	452	223	900	3.366	3.366		0.4575	4.54E-03	1055.0575	388.7577	1443.8152		
	8/10/2008 10:00	453	223	1000	2.108	2.108		1.3273	1.69E-02	3914.7175	1442.4582	5357.1757		
	8/10/2008 11:00	454	223	1100	1.97	1.97		1.4904	1.94E-02	4514.7675	1663.5589	6178.3264		
	8/10/2008 12:00	455	223	1200	2.088	2.088		1.3496	1.72E-02	3995.8091	1472.3380	5468.1471		
	8/10/2008 13:00	456	223	1300	2.105	2.105		1.3306	1.69E-02	3926.7632	1446.8967	5373.6599		
	8/10/2008 14:00	457	223	1400	2.126	2.126		1.3076	1.66E-02	3843.3009	1416.1432	5259.4441		
	8/10/2008 15:00	458	223	1500	2.179	2.179		1.2515	1.57E-02	3641.2405	1341.6900	4982.9305		
	8/10/2008 16:00	459	223	1600	2.14	2.14		1.2925	1.63E-02	3788.7529	1396.0439	5184.7969		
	8/10/2008 17:00	460	223	1700	2.168	2.168		1.2629	1.59E-02	3682.1986	1356.7818	5038.9804		
	8/10/2008 18:00	461	223	1800	3.093	3.093		0.5862	6.17E-03	1431.3493	527.4101	1958.7594		
	8/10/2008 19:00	462	223	1900	3.406	3.406		0.4404	4.34E-03	1006.6785	370.9314	1377.6099		
	8/10/2008 20:00	463	223	2000	3.365	3.365		0.4579	4.55E-03	1056.2873	389.2108	1445.4980		
	8/10/2008 21:00	464	223	2100	3.342	3.342		0.4680	4.67E-03	1084.8486	399.7348	1484.5833		
	8/10/2008 22:00	465	223	2200	3.39	3.39		0.4472	4.42E-03	1025.8421	377.9926	1403.8347		
	8/10/2008 23:00	466	223	2300	3.34	3.34		0.4689	4.68E-03	1087.3575	400.6592	1488.0168		
	8/11/2008 0:00	467	224	0	3.371	3.371	3.62	0.4554	4.52E-03	1048.9240	386.4976	1435.4216		
	8/11/2008 1:00	468	224	100	3.51	3.51		0.3977	3.82E-03	887.9663	327.1895	1215.1558		
	8/11/2008 2:00	469	224	200	3.595	3.595		0.3647	3.44E-03	798.0299	294.0505	1092.0805		
	8/11/2008 3:00	470	224	300	3.618	3.618		0.3560	3.34E-03	774.7244	285.4631	1060.1876		
	8/11/2008 4:00	471	224	400	3.621	3.621		0.3549	3.32E-03	771.7159	284.3546	1056.0705		
	8/11/2008 5:00	472	224	500	3.583	3.583		0.3692	3.49E-03	810.3599	298.5938	1108.9537		
	8/11/2008 6:00	473	224	600	3.591	3.591		0.3662	3.46E-03	802.1268	295.5601	1097.6870		
	8/11/2008 7:00	474	224	700	3.588	3.588		0.3673	3.47E-03	805.2081	296.6955	1101.9036		
	8/11/2008 8:00	475	224	800	3.575	3.575		0.3723	3.53E-03	818.6457	301.6468	1120.2925		
	8/11/2008 9:00	476	224	900	3.225	3.225		0.5212	5.34E-03	1238.7663	456.4489	1695.2152		
	8/11/2008 10:00	477	224	1000	2.249	2.249		1.1814	1.46E-02	3391.8965	1249.8140	4641.7106		
	8/11/2008 11:00	478	224	1100	1.988	1.988		1.4678	1.91E-02	4430.8295	1632.6303	6063.4598		
	8/11/2008 12:00	479	224	1200	2.081	2.081		1.3575	1.73E-02	4024.6340	1482.9592	5507.5932		
	8/11/2008 13:00	480	224	1300	2.245	2.245		1.1853	1.47E-02	3405.6384	1254.8775	4660.5159		
	8/11/2008 14:00	481	224	1400	2.127	2.127		1.3065	1.65E-02	3839.3759	1414.6970	5254.0729		
	8/11/2008 15:00	482	224	1500	2.128	2.128		1.3055	1.65E-02	3835.4554	1413.2524	5248.7078		
	8/11/2008 16:00	483	224	1600	2.201	2.201		1.2290	1.53E-02	3560.8055	1312.0520	4872.8575		
	8/11/2008 17:00	484	224	1700	2.202	2.202		1.2280	1.53E-02	3557.1955	1310.7218	4867.9173		
	8/11/2008 18:00	485	224	1800	2.358	2.358		1.0806	1.31E-02	3039.1049	1119.8207	4158.9255		
	8/11/2008 19:00	486	224	1900	2.354	2.354		1.0841	1.31E-02	3051.3496	1124.3325	4175.6821		
	8/11/2008 20:00	487	224	2000	2.619	2.619		0.8732	1.01E-02	2338.0159	861.4900	3199.5060		
	8/11/2008 21:00	488	224	2100	2.996	2.996		0.6375	6.84E-03	1587.2478	584.8541	2172.1018		
	8/11/2008 22:00	489	224	2200	3.255	3.255		0.5072	5.16E-03	1197.8763	441.3822	1639.2585		
	8/11/2008 23:00	490	224	2300	3.385	3.385		0.4493	4.44E-03	1031.8818	380.2181	1412.0999		
	8/12/2008 0:00	491	225	0	3.46	3.46	3.47	0.4179	4.07E-03	943.8003	347.7626	1291.5629		

Tree ID	TS	RN	JD	HR	Raw TC_dTΔ	Fixed TC_dTΔ	dTM	K	Sap Velocity (cm/s)	Probed Drywood F (g/hr)	Extrapolated Wetwood F (g/hr)	Extrapolated Total Wood F (g/hr)		Relative Humidity, @10m (%)
	8/12/2008 1:00	492	225	100	3.467	3.467		0.4151	4.03E-03	935.8479	344.8324	1280.6803		
	8/12/2008 2:00	493	225	200	3.241	3.241		0.5137	5.24E-03	1216.8321	448.3668	1665.1989		
	8/12/2008 3:00	494	225	300	3.24	3.24		0.5142	5.25E-03	1218.1945	448.8688	1667.0633		
	8/12/2008 4:00	495	225	400	3.328	3.328		0.4742	4.75E-03	1102.4976	406.2379	1508.7356		
	8/12/2008 5:00	496	225	500	3.373	3.373		0.4545	4.51E-03	1046.4775	385.5962	1432.0736		
	8/12/2008 6:00	497	225	600	3.419	3.419		0.4349	4.27E-03	991.2898	365.2611	1356.5509		
	8/12/2008 7:00	498	225	700	3.432	3.432		0.4295	4.20E-03	976.0618	359.6500	1335.7118		
	8/12/2008 8:00	499	225	800	3.431	3.431		0.4299	4.21E-03	977.2275	360.0796	1337.3071		
	8/12/2008 9:00	500	225	900	3.213	3.213		0.5269	5.41E-03	1255.4090	462.5813	1717.9902		
	8/12/2008 10:00	501	225	1000	2.288	2.288		1.1442	1.40E-02	3260.9631	1201.5689	4462.5320		
	8/12/2008 11:00	502	225	1100	1.971	1.971		1.4891	1.94E-02	4510.0562	1661.8230	6171.8792		
	8/12/2008 12:00	503	225	1200	2	2		1.4530	1.88E-02	4375.8717	1612.3799	5988.2517		
	8/12/2008 13:00	504	225	1300	1.98	1.98		1.4778	1.92E-02	4467.9104	1646.2935	6114.2039		
	8/12/2008 14:00	505	225	1400	2.01	2.01		1.4408	1.87E-02	4330.6720	1595.7252	5926.3971		
	8/12/2008 15:00	506	225	1500	2.024	2.024		1.4239	1.84E-02	4268.2885	1572.7387	5841.0271		
	8/12/2008 16:00	507	225	1600	2.043	2.043		1.4014	1.80E-02	4185.2589	1542.1447	5727.4037		
	8/12/2008 17:00	508	225	1700	2.007	2.007		1.4444	1.87E-02	4344.1754	1600.7008	5944.8762		
	8/12/2008 18:00	509	225	1800	2.114	2.114		1.3207	1.68E-02	3890.7494	1433.6266	5324.3760		
	8/12/2008 19:00	510	225	1900	2.274	2.274		1.1574	1.42E-02	3307.3372	1218.6564	4525.9937		
	8/12/2008 20:00	511	225	2000	2.353	2.353		1.0850	1.32E-02	3054.4187	1125.4634	4179.8821		
	8/12/2008 21:00	512	225	2100	3.066	3.066		0.6001	6.35E-03	1473.4521	542.9237	2016.3759		
	8/12/2008 22:00	513	225	2200	3.406	3.406		0.4404	4.34E-03	1006.6785	370.9314	1377.6099		
	8/12/2008 23:00	514	225	2300	3.465	3.465		0.4159	4.04E-03	938.1154	345.6679	1283.7834		
	8/13/2008 0:00	515	226	0	3.486	3.486	3.54	0.4073	3.94E-03	914.4870	336.9616	1251.4486		
	8/13/2008 1:00	516	226	100	3.496	3.496		0.4033	3.89E-03	903.3747	332.8670	1236.2417		
	8/13/2008 2:00	517	226	200	3.511	3.511		0.3973	3.82E-03	886.8723	326.7864	1213.6587		
	8/13/2008 3:00	518	226	300	3.541	3.541		0.3855	3.68E-03	854.4564	314.8420	1169.2984		
	8/13/2008 4:00	519	226	400	3.534	3.534		0.3882	3.71E-03	861.9507	317.6034	1179.5541		
	8/13/2008 5:00	520	226	500	3.526	3.526		0.3914	3.75E-03	870.5671	320.7784	1191.3454		
	8/13/2008 6:00	521	226	600	3.527	3.527		0.3910	3.75E-03	869.4870	320.3804	1189.8674		
	8/13/2008 7:00	522	226	700	3.505	3.505		0.3997	3.85E-03	893.4495	329.2098	1222.6593		
	8/13/2008 8:00	523	226	800	3.462	3.462		0.4171	4.06E-03	941.5236	346.9237	1288.4473		
	8/13/2008 9:00	524	226	900	2.807	2.807		0.7478	8.32E-03	1931.6414	711.7530	2643.3945		
	8/13/2008 10:00	525	226	1000	1.955	1.955		1.5095	1.98E-02	4586.1267	1689.8527	6275.9794		
	8/13/2008 11:00	526	226	1100	2.02	2.02		1.4287	1.85E-02	4286.0068	1579.2674	5865.2742		
	8/13/2008 12:00	527	226	1200	1.95	1.95		1.5159	1.99E-02	4610.2042	1698.7245	6308.9287		

tree stand water use - summary

tree spp	count	mean diameter cm	mean sap flux mL/cm2/hr	sap flux stdev	sapwood diameter (minus bark) cm	tree basal area cm2	stand basal area cm2	sap flow L/day	sap flow gals/ day	yearly sap flow m3	yearly sap flow gal
EC	735	9	16.4	6.5	8	55	40,748	8,019	2,110	1,443	379,854
WN	924	15	24.4	4.3	15	167	154,751	45,311	11,924	8,156	2,146,320
BW	35	7	*19.5*	*6.5*	7	36	1,272	298	78	54	14,109
HP	10	13	*16.4*	*4.3*	13	123	1,228	242	64	43	11,444
GA	149	2	6.5	3.0	2	3	423	33	9	6	1,569
NC	56	3	*6.5*	*3.0*	2	4	233	18	5	3	860
total	**1,909**					**389**	**198,654**	**53,921**	**14,190**	**9,706**	**2,554,156**

italics: estimates

5th %ile

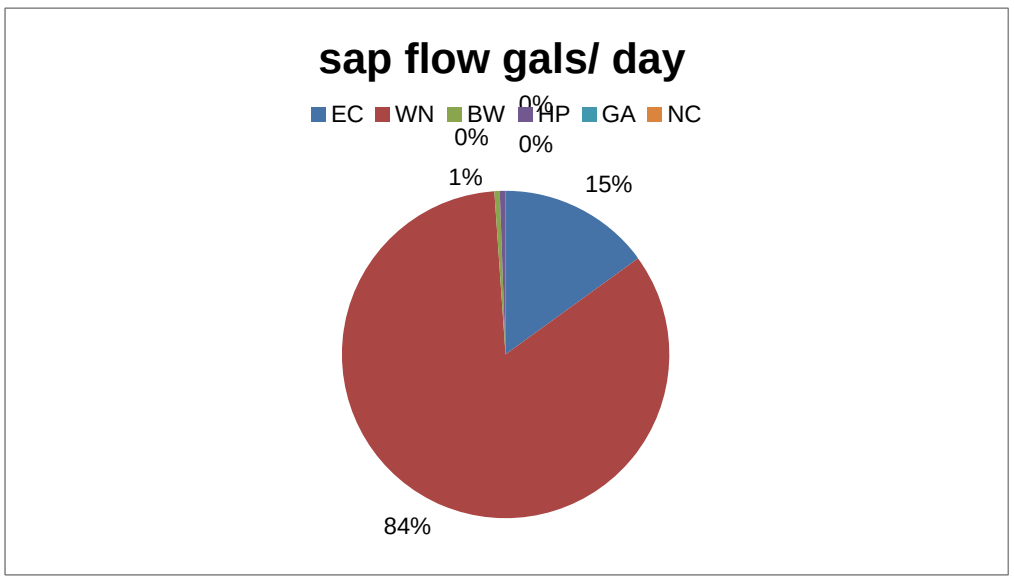
	count	mean diameter cm	5th %ile sap flux mL/cm2/hr	sapwood diameter (minus bark)	tree basal area cm2	stand basal area cm2	sap flow L/day	sap flow gals/ day	yearly sap flow m3	yearly sap flow gal
EC	735	9	3.4	8	55	40,748	1,663	438	299	78,750
WN	924	15	15.8	15	167	154,751	29,341	7,721	5,281	1,389,830
BW	35	7	6.5	7	36	1,272	99	26	18	4,713
HP	10	13	7.8	13	123	1,228	115	30	21	5,443
GA	149	2	0.5	2	3	423	3	1	0	127
NC	56	3	0.5	2	4	233	1	0	0	66
total	**1,909**					**198,654**	**31,222**	**8,216**	**5,620**	**1,478,929**

95th %ile

	count	mean diameter cm	95th %ile sap flux mL/cm2/hr	sapwood diameter (minus bark)	tree basal area cm2	stand basal area cm2	sap flow L/day	sap flow gals/ day	yearly sap flow m3	yearly sap flow gal
EC	735	9	29.4	8	55	40,748	14,376	3,783	2,588	680,958
WN	924	15	33.0	15	167	154,751	61,282	16,127	11,031	2,902,809
BW	35	7	32.5	7	36	1,272	496	131	89	23,505
HP	10	13	25.0	13	123	1,228	368	97	66	17,446
GA	149	2	12.5	2	3	423	64	17	11	3,010
NC	56	3	12.5	2	4	233	35	9	6	1,654
total	**1,909**					**198,654**	**76,620**	**20,163**	**13,792**	**3,629,382**

Stand-basis daily sap flow

tree spp	count	mean sap flow gals/ day	5th %ile sap flow gals/ day	95th %ile sap flow gals/ day
EC	735	2,110	438	3,783
WN	924	11,924	7,721	16,127
BW	35	78	26	131
HP	10	64	30	97
GA	149	9	1	17
NC	56	5	0	9
total	**1,909**	**14,190**	**8,216**	**20,163**



Stand-basis yearly sapflow

tree spp	count	mean sap flow gal/yr	5th %ile sap flow gal/yr	95th %ile sap flow gal/yr
EC	735	379,854	78,750	680,958
WN	924	2,146,320	1,389,830	2,902,809
BW	35	14,109	4,713	23,505
HP	10	11,444	5,443	17,446
GA	149	1,569	127	3,010
NC	56	860	66	1,654
total	**1,909**	**2,554,156**	**1,478,929**	**3,629,382**

tree area =	4.5 acres	1.8	1 acre=Ha	0.4
	Liters/yr	9884582		
	liters/Ha	########		
	mm	549		

Environmental Science Division
Argonne National Laboratory
9700 South Cass Avenue, Bldg. 203
Argonne, IL 60439-4843
www.anl.gov

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