



**Assessment of Water Quality in Wadeable
Streams near Surface Coal Mining Facilities in
the Black Warrior River Basin in Alabama**

December 2013

Acknowledgments

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Executive Summary

Beginning in 2011 and concluding in early 2013, a study of wadeable streams near four coal mining facilities in the Black Warrior River basin was performed to measure and evaluate potential water quality impacts at coal mining facilities. A host of parameters was collected during this study from January through August of 2011 and December 2012 through February 2013 including: physical, chemical, and biological data.

Study results reveal that an increase in conductivity (associated with increased total dissolved solids) was statistically significant from upstream to downstream at four of the six outfalls included in the study. However, hardness-dependent metals measured in water samples at or above the method detection limit did not exceed Alabama water quality criteria for protection of aquatic life or human health at any of the stream stations. Low-level mercury analyses at stream and outfall locations indicated that aquatic life and human health criteria were not exceeded. Based on samples collected from the effluent from mining facility outfalls, all of the facilities met the numeric permit limits in place at the time of the study. In-situ measurements of dissolved oxygen, pH, and turbidity indicated compliance with water quality criteria for these parameters with the exception of low dissolved oxygen concentrations at three locations as a result of natural conditions. Macroinvertebrate communities were assessed as “Good” or “Fair” at three stream stations near surface coal mining facilities and “Poor” or “Very Poor” at the remaining eight stations. Macroinvertebrate communities were assessed as “Fair” at two of the ecoregional reference sites and as “Poor” at the third ecoregional reference site. Habitat assessments completed for each of the stream stations indicated “Optimal” or “Suboptimal” habitat conditions. Whole effluent toxicity (WET) tests conducted on effluent at four treatment pond outfalls exhibited no toxic effects on the growth and reproduction of fathead minnows (*P. promelas*); however, toxic effects on the growth and reproduction of water fleas (*C. dubia*) occurred at a concentration of 65% at one outfall; and at a concentration of 56% at a second outfall. The concentration of selected metals measured in stream bottom sediment at the study locations exceeded the concentrations measured in stream bottom sediments at ecoregional reference stations.

Additional water quality samples and field measurements were obtained in late 2012 and early 2013 at each of the study sites to address questions not answered during the initial sampling effort. Specifically, water samples were analyzed for dissolved arsenic to more fully evaluate the potential for surface coal mining facilities to contribute arsenic to receiving streams. Nutrients were also measured during the study to determine the degree to which surface mining activities might increase nitrogen and phosphorus in surface waters near these facilities. Most of the parameters measured during the first study were also included in the second study, with the exception of phenols, cyanide, metals in the sediment, and toxicity. Results from the extended study indicate that dissolved arsenic concentrations in receiving streams near surface mining facilities rarely exceeded laboratory method detection limits. Alabama’s aquatic life and human health water quality criteria for arsenic are expressed as dissolved trivalent arsenic. However, due to analytical costs, the Alabama Department of Environmental Management (ADEM) uses dissolved arsenic as a conservative surrogate for dissolved trivalent arsenic. Of the eighty seven samples analyzed for dissolved arsenic, none contained dissolved arsenic in concentrations which exceeded aquatic life criteria (expressed as dissolved trivalent arsenic) and only five (5.7%)

concentrations (measured downstream of two different outfalls) exceeded human health water quality criteria (expressed as dissolved trivalent arsenic). Fifteen (17.2%) of the eighty seven concentrations exceeded laboratory method detection limits.

The mean concentration of total phosphorus in streams near the mining facilities was not significantly different ($p > 0.05$) from the mean concentration of total phosphorus measured at the ecoregional reference stations. However, mean concentrations of total nitrogen in streams near the mining facilities were statistically different ($p < 0.05$) from mean concentrations measured at ecoregional reference stations. In addition, mean total nitrogen concentration downstream of treatment pond outfalls were statistically different (i.e., higher) ($p < 0.05$) from the mean concentration measured upstream of treatment pond outfalls.

Introduction

The Alabama Department of Environmental Management (ADEM) issues National Pollutant Discharge Elimination System (NPDES) permits for the control of water pollution for a variety of industrial activities in Alabama. These permits are issued in accordance with ADEM Administrative Code, Rule 335-6 to ensure that pollutants discharged to state waters do not interfere with the designated uses of those waters as prescribed by Alabama's surface water quality standards established in ADEM Administrative Code, Rule 335-6-10 and 335-6-11. (ADEM 2011) As in most other coal mining states, Alabama has traditionally relied upon the United States Environmental Protection Agency (USEPA) regulations in 40 CFR Part 434 when permitting surface coal mining facilities. The regulations contain effluent limitation guidelines representing the degree of effluent reduction attainable with the use of best available technology (BAT) and best management practices (BMPs).

In June 2009, the USEPA signed a memorandum of understanding (MOU) with the U.S. Army Corps of Engineers (USACOE) and the Department of Interior (DOI) concerning interagency review of Clean Water Act Section 404 permits issued for surface mining activities in the Appalachian region. (USACOE, USEPA, DOI, 2009) This interagency MOU was intended to address water quality impacts resulting from "mountaintop removal" surface mining practices in the states of Kentucky, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia. The MOU was prompted, in large part, by water quality studies conducted downstream of mountaintop coal mining areas in USEPA Region 3, which linked alkaline mine drainage with changes in aquatic macroinvertebrate communities. As early as July 2008, USEPA Region 4 proposed to conduct a study of the effects of current surface coal mining practices on water quality in Alabama, Kentucky, Mississippi, and Tennessee. Alabama provided comments on the draft study plan and offered to participate in the study. However, EPA's study in Alabama was reduced in scope and not initiated until late in the spring of 2012. Following the signing of the American Reinvestment and Recovery Act (ARRA) in February 2009, ADEM included a proposal in its ARRA 604b grant application to USEPA to conduct a water quality study assessing the impacts of surface coal mining on wadeable streams in Alabama. The study was initiated in 2011, and the results are summarized herein.

Study Purpose

This study was conducted to provide information on the effects of discharges from surface coal mining facilities on water quality and aquatic macroinvertebrates in wadeable streams in Ecoregion 68 – Southwestern Appalachians. Facilities in all stages of activity are included in this study to identify impacts to water quality that may occur during each phase of the surface coal mining process. Data gathered during the study will assist ADEM with understanding what specific additional requirements, if any, should be included in permits for surface coal mining facilities in order to provide reasonable assurance that discharges from these facilities will not cause or contribute to water quality standards violations.

Study Scope

ADEM was the lead agency during this study and conducted all field sampling and laboratory analyses with the exception of low level mercury analyses performed by the USEPA. The study focused on surface mining facilities in the Black Warrior River basin with permitted discharges to wadeable streams. The sampling period was from January 2011 through February of 2013. Sampling locations were established at permitted outfalls, and upstream and downstream of those outfalls. Samples of the discharge were collected at the sampling location specified in the facility's National Pollutant Discharge Elimination System (NPDES) permit. In addition, three ecoregional reference stations were included in the study and sampled concurrently with the other stations. A complete description, including the latitude and longitude for all stream sampling locations as well as permitted outfalls, is provided in Tables 1 and 2. Maps of these locations are provided as Figures 1-7. Photographs were taken at each sampling station and treatment pond outfall at various times during the study. Representative photographs of each location, including upstream and downstream views, are included as Appendix B. The photographs portray temporal and spatial changes in weather and hydrologic conditions and provide a visual reference when considering the results of the various chemical, physical, and biological analyses.

A total of eleven stream stations, three ecoregional reference stations, and six permitted outfalls from treatment ponds were sampled, at varying frequencies, during the study period.

Table 1. Stream Sampling Locations

Stream Name	Station ID	Station Type*	Associated Facility Outfall ID	County	Latitude	Longitude	Drainage Area (mi²)
Bear Creek	BERT-4	Level IV Eco-Reference		Tuscaloosa	33.54241	-87.56112	14.5
Inman Creek	INMW-1	Level IV Eco-Reference		Winston	34.21590	-87.22400	5.32
Brushy Creek	BRS�-3	Level IV Eco-Reference		Lawrence	34.33070	-87.28620	8.9
Cane Creek	CANW-51	DS River/Stream	DRMW-12	Walker	33.85872	-87.33677	1.76
Cane Creek	CANW-52	US River/Stream	DRMW-12	Walker	33.86633	-87.33974	0.91
Baker Branch	BKRW-1	US River/Stream	DRMW-3	Walker	33.87330	-87.37061	1.12
Burton Creek	BURW-1	DS River/Stream	DRMW-3	Walker	33.86076	-87.37828	3.12
Charlies Creek	CHAW-1	DS River/Stream	BWMW-21	Walker	33.94075	-87.33703	5.46
Charlies Creek	CHAW-2	US River/Stream	BWMW-21	Walker	33.94624	-87.33177	3.89
Spring Creek	SPRW-52	US River/Stream	BWMW-36	Walker	33.95149	-87.29915	4.31
UT to Spring Creek	SPRW-51	DS River/Stream	BWMW-36	Walker	33.94799	-87.29957	1.28
Coal Creek	CLCJ-1	US River/Stream	CHMJ-47/WIMJ-1	Jefferson	33.61248	-87.13851	2.01
Coal Creek	CLCJ-3	US/DS River/Stream	CHMJ-47/WIMJ-1	Jefferson	33.60724	-87.13526	2.36
Coal Creek	CLCJ-4	DS River/Stream	CHMJ-47/WIMJ-1	Jefferson	33.60011	-87.13849	2.60

*US: station upstream of treatment pond outfall, DS: station downstream of treatment pond outfall

Table 2. Surface Coal Mining Facility Outfall Locations

NPDES	Company Name	Facility Name	Facility Outfall ID	Active / Reclaimed	County	Receiving Stream	Outfall #	Latitude	Longitude
AL0067547	Drummond Company, Inc.	Surface Mine No.1	DRMW-12	Reclaimed	Walker	Cane Creek	12	33.86202	-87.34245
AL0067547	Drummond Company, Inc.	Surface Mine No.1	DRMW-3	Active	Walker	Richard Branch	3	33.86655	-87.36741
AL0025399	Black Warrior Minerals, Inc.	Manchester Mine	BWMW-21	Reclaimed	Walker	Charlies Creek	21	33.94194	-87.33477
AL0025399	Black Warrior Minerals, Inc.	Manchester Mine	BWMW-36	Active	Walker	Spring Creek	36	33.94483	-87.30362
AL0075809	Cherokee Mining, LLC	Praco Mine	CHMJ-47	Reclaimed	Jefferson	Coal Creek	47	33.60916	-87.13556
AL0079740	Warrior Investment, Inc.	Maxine-Pratt Mine	WIMJ-1	Active	Jefferson	Coal Creek	1	33.60111	-87.13917

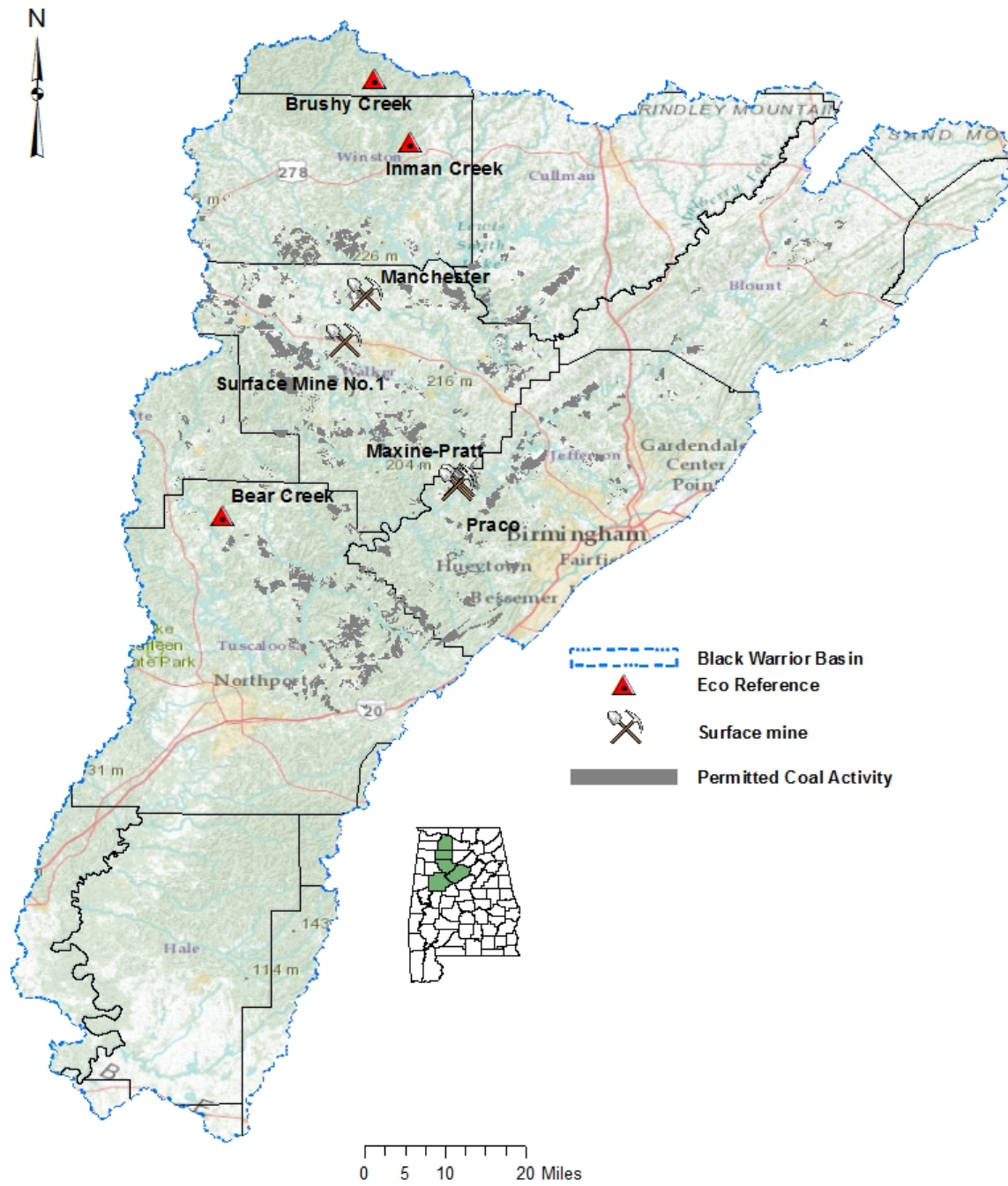
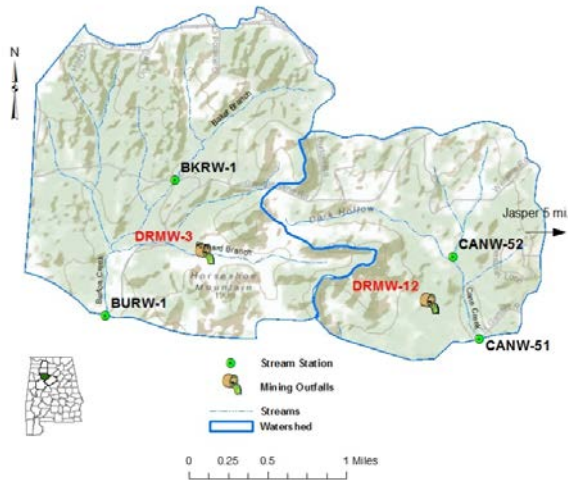


Figure 1. Study Area (Black Warrior Basin)
 (Shows the permitted coal mining facilities along with the mines included in this study)



(A) Overview map with sampling locations



(B) Land use map

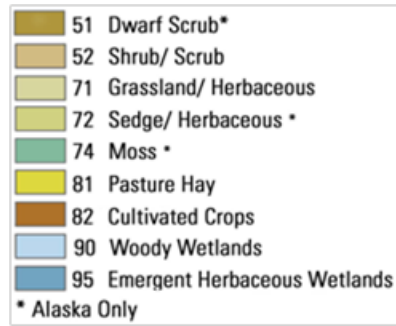
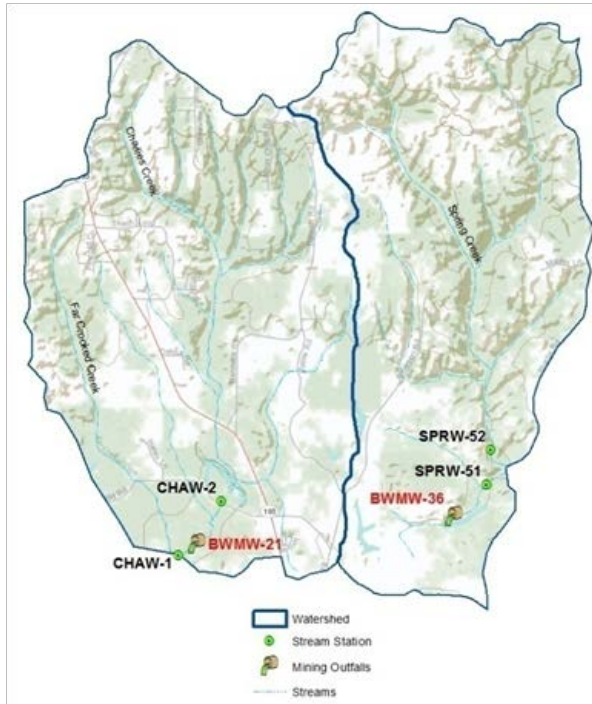
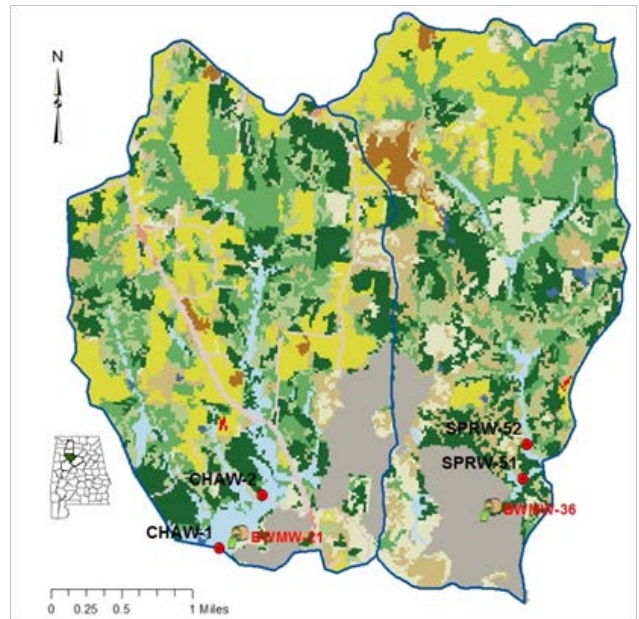


Figure 2. Surface Mine Number 1



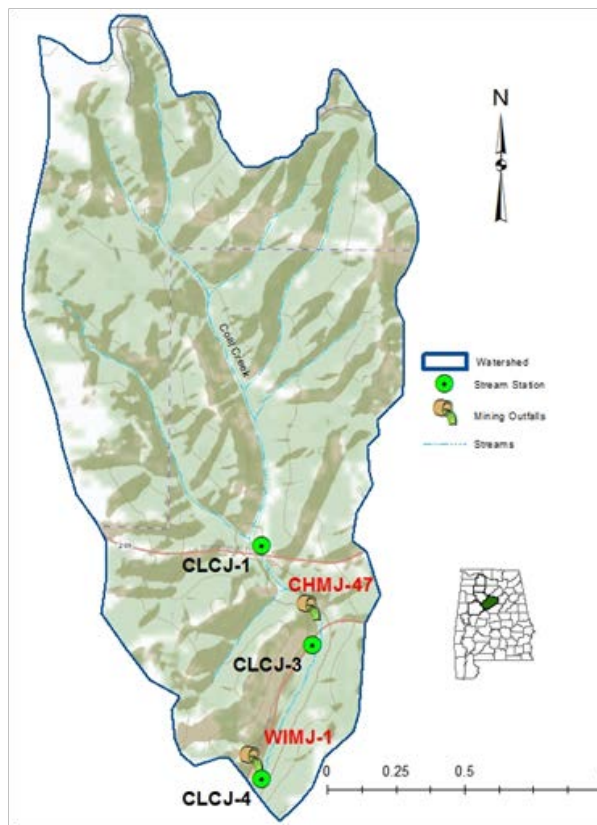
(A) Overview map with sampling locations



(B) Land use map



Figure 3. Manchester Mine



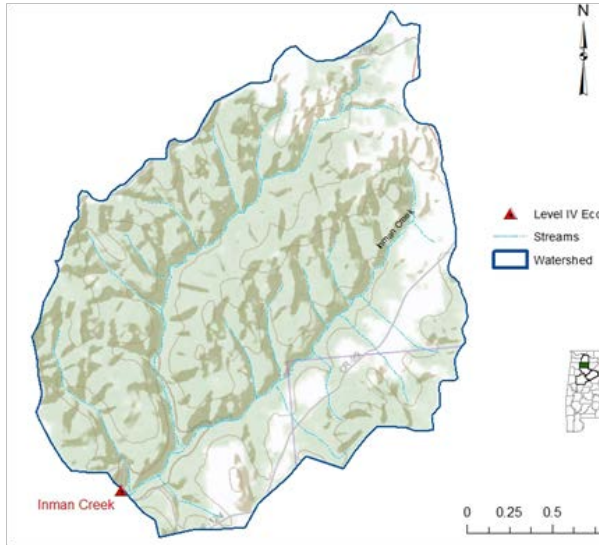
(A) Overview with sampling locations



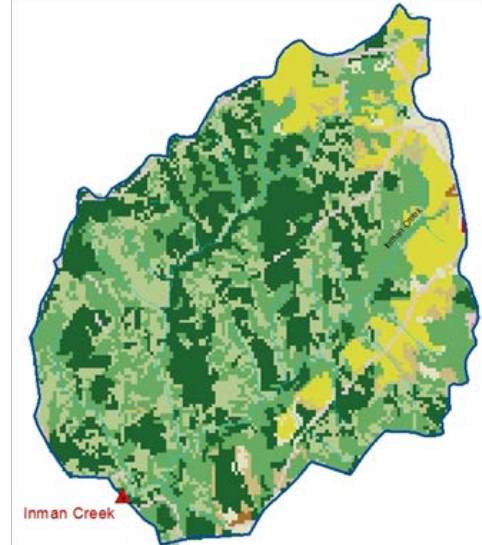
(B) Land use map



Figure 4. Maxine Pratt and Praco Mine



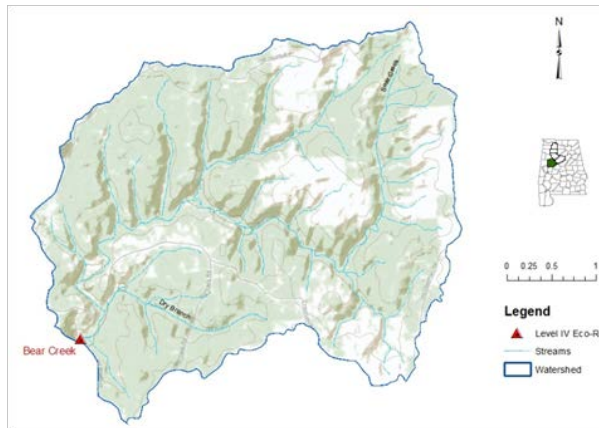
(A) Overview with sampling locations



(B) Land use map



Figure 5. Inman Creek Eco-Reference Stream

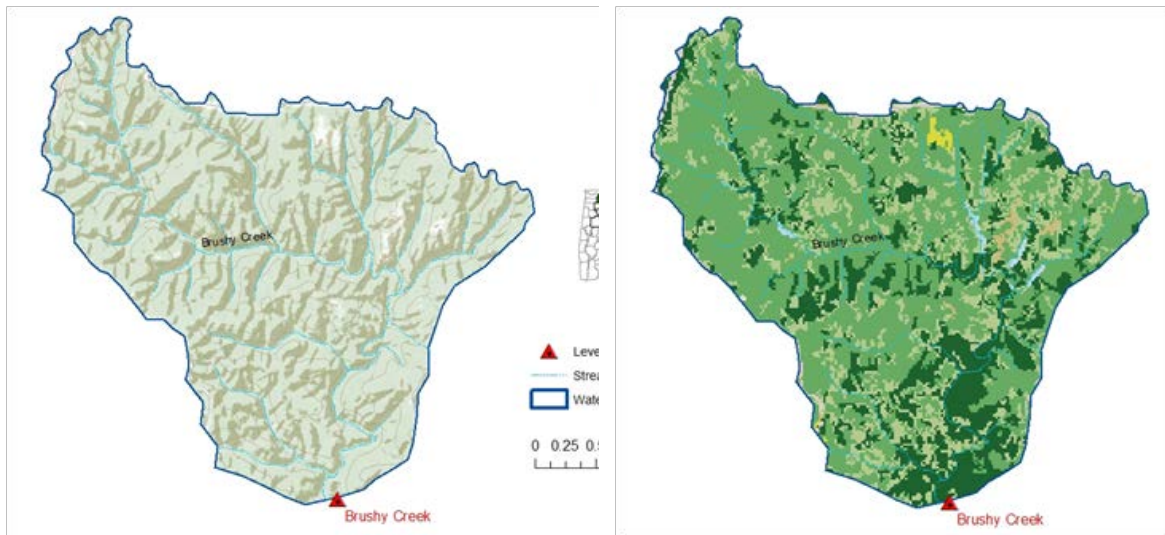


(A) Overview map with sampling locations

(B) Land use map



Figure 6. Bear Creek Eco-Reference Stream



(A) Overview map with sampling locations

(B) Land use map

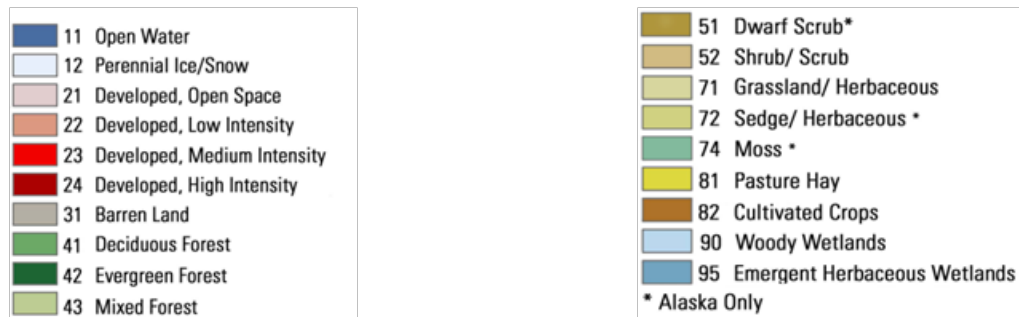


Figure 7. Brushy Creek Eco-Reference

Table 3. Percent Land Cover Classes

Class Description	Surface Mine No.1		Manchester Mine		Maxine Pratt/Praco	Eco-Reference		
	DRMW-3	DRMW-12	BWMW-21	BWMW-36	CHMJ-47/WIMJ-1	BERT-4	BRSL-3	INMW-1
Emergent Herbaceous Wetlands	0.00	0.00	0.03	0.10	0.00	0.00	0.00	0.00
Open Water	0.20	0.28	0.18	0.43	0.25	0.00	0.00	0.00
Woody Wetlands	1.14	0.28	6.59	2.53	0.00	1.61	0.48	0.03
Herbaceous	6.39	1.95	4.56	10.47	3.80	3.72	0.21	1.97
Hay/Pasture	12.15	13.06	20.81	13.19	2.50	0.26	0.37	10.39
Developed, High Intensity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evergreen Forest	33.48	19.48	19.12	16.28	12.73	35.26	22.54	29.10
Shrub/Scrub	9.15	9.78	6.75	15.07	10.11	17.99	0.70	2.89
Cultivated Crops	0.00	0.35	0.70	2.11	0.27	0.00	0.00	0.17
Mixed Forest	9.38	13.12	10.79	8.23	5.34	12.00	19.13	22.13
Deciduous Forest	21.73	16.62	16.63	19.29	52.25	27.85	55.32	30.51
Developed, Medium Intensity	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.03
Developed, Low Intensity	0.47	0.00	0.32	0.04	0.03	0.00	0.00	0.03
Developed, Open Space	2.31	5.77	5.14	0.79	3.38	1.30	1.25	2.73
Barren Land/Surface Mine	3.59	19.31	8.33	11.43	9.34	0.00	0.00	0.02

The United States Geological Survey (USGS) land cover data from 2006 was used in conjunction with aerial and satellite imagery to calculate the land use percentages within each watershed. (Fry, 2011) The results are shown above in Table 3.

Outfall DRMW-3 is located on Richard Branch upstream of its confluence with Burton Branch. Richard Branch has a drainage area of 0.89 square miles and is characterized by a series of wetland pools to the confluence of Burton Branch. Burton Branch at station BURW-1 downstream of the confluence with Richard Branch is a small wadeable stream with a drainage area of 3.12 square miles. Outfall DRMW-12 discharges to Cane Creek which has a drainage area of 1.41 square miles upstream of the outfall at CANW-52, and a drainage area of 1.76 square miles at station CANW-51 downstream of the outfall. Cane Creek is a small wadeable stream which stops flowing during summer and fall dry periods. Outfall BWMW-21 discharges to Charlies Creek which has a drainage area of 5.32 square miles at CHAW-2, upstream of the outfall and a drainage area of 5.46 square miles at station CHAW-1 downstream of the outfall. Charlies Creek is a small wadeable stream characterized by a series of pools due to low ambient stream flow and the presence of beaver dams. Outfall BWMW-36 discharges to an unnamed tributary to Spring Creek which has a drainage area of 0.74 square miles upstream of the outfall and a drainage area of 1.28 square miles at station SPRW-51. Downstream of the outfall the tributary is dominated by a large wetland area. Spring Creek upstream of its confluence with the unnamed tributary has a drainage area of 4.31 square miles at station SPRW-52. Outfall CHMJ-47 discharges to Coal Creek which has a drainage area of 2.31 square miles upstream of the outfall and a drainage area of 2.36 square miles at station CLCJ-3 downstream of the outfall. Outfall WIMJ-1 discharges to Coal Creek which has a drainage area of 2.52 square miles upstream of the outfall and a drainage area of 2.60 square miles at station CLCJ-4 downstream of the outfall. Coal Creek is a small wadeable stream characterized by a series of pools and riffles.

Study Parameters

The water quality study consisted of the following components:

- A. In-situ parameters
 - i. Ambient
 - ii. Continuous Monitoring of In-Situ Parameters
- B. Precipitation Measurements
- C. Stream water sample and surface mine outfall sample collection
 - i. Conventional parameters
 - ii. Metals
- D. Sediment sampling for selected metals
- E. Macroinvertebrate community assessment
- F. Whole effluent toxicity (WET) tests
- G. Physical characterization and habitat assessment

A In situ parameters

Ambient in situ monitoring occurred twice each month (Jan-Aug 2011, Dec 2012 – Feb 2013) at each station with the following data collected:

i. Ambient

- Collector - Use Last Name, First Initial (or Logon Initials)
- Date (mm/dd/yyyy)
- Air Temperature, °C
- Water Temperature, °C (SOP #2041)
- Total Stream Depth at Sampling Point, ft
- Field Measurement Depth, ft
- Sample Collection Depth, ft
- Dissolved Oxygen (DO), mg/L (SOP #2047)
- Conductivity, $\mu\text{S}/\text{cm}$ (SOP #2047)
- pH, s.u. (SOP #2047)
- Turbidity, NTU (with Nephelometer, not multiprobe) (SOP #2044)
- Weather Conditions
- Stream Flow cfs (SOP #2040)
- Visual observations and notes
- Permitted outfall flow, cfs
- Rainfall, inches (at selected locations)

ii. Continuous Monitoring of Specific In-situ Parameters

The Department's YSI multi-parameter data sondes were deployed for two 72 hour periods at each station (including the regional eco-reference stations and treatment pond outfalls) during the study period. The 1st set of deployments occurred between February and March 2011, and the second set of deployments occurred in May 2011. Table 4 provides the starting and ending dates for continuous monitoring at each location. Each data sondes measured the following parameters at 15 minute intervals during the deployment:

- Water temperature, °C
- pH, s.u.
- Conductivity, $\mu\text{S}/\text{cm}$
- Water depth, ft
- Dissolved oxygen, mg/L

Table 4. Continuous Monitoring Schedule

	Station ID	Begin Date	End Date	Begin Date	End Date
Ecoregional Reference Stations	BERT-4	2/21/11	2/24/11	5/9/11	5/12/11
	INWM-1	3/28/11	3/31/11	5/23/11	5/26/11
	BRSL-3	3/28/11	3/31/11	5/23/11	5/26/11
Stream Stations	BKRW-1	2/21/11	2/24/11	5/9/11	5/12/11
	BURW-1	2/21/11	2/24/11	5/9/11	5/12/11
	CANW-51	2/21/11	2/24/11	5/9/11	5/12/11
	CANW-52	2/21/11	2/24/11	5/9/11	5/12/11
	CHAW-1	3/28/11	3/31/11	5/23/11	5/26/11
	CHAW-2	3/28/11	3/31/11	5/23/11	5/26/11
	CLCJ-1	2/21/11	2/24/11	5/9/11	5/12/11
	CLCJ-3	2/21/11	2/24/11	5/9/11	5/12/11
	CLCJ-4	2/21/11	2/24/11	5/9/11	5/12/11
	SPRW-51	3/28/11	3/31/11	5/23/11	5/26/11
	SPRW-52	3/28/11	3/31/11	5/23/11	5/26/11
	Pond Outfall Stations	BWMW-21	3/28/11	3/31/11	5/23/11
BWMW-36		3/28/11	3/31/11	5/23/11	5/26/11
CHMJ-47		2/21/11	2/24/11	5/9/11	5/12/11
DRMW-3		2/21/11	2/24/11	5/9/11	5/12/11
DRMW-12		2/21/11	2/24/11	5/9/11	5/12/11
WIMJ-1		2/21/11	2/24/11	5/9/11	5/12/11

B. Precipitation Measurements

Continuous recording rain gauges manufactured by RainWise, Inc. and equipped with data loggers were deployed at three locations within the study area to record precipitation. The gauges measured rainfall from January 1, 2011 through August 31, 2011 at the following locations:

- Maxine-Pratt Mine
- Surface Mine #1
- Manchester Mine

C. Surface Water and Outfall Samples

i. Conventional

The conventional parameters were collected twice each month with the in-situ parameters for a total of 23 station visits and 23 water samples for most stations. These samples were then transported to the ADEM laboratories and analyzed for the multiple parameters.

- Total dissolved solids, mg/L
- Total suspended solids, mg/L
- Total phosphorus, mg/L
- Ammonia, mg/L as N
- Nitrite + Nitrate, mg/L as N
- Total Kjeldahl nitrogen, mg/L
- Sulfate, mg/L
- Chloride, mg/L
- Alkalinity, mg/L as CaCO₃

No sample was collected if there was no measureable stream flow at the station during the station visit.

ii. Metals Parameters

The metal parameters were sampled once a month at each station. USEPA's Science and Ecosystem Support Division in Athens, Georgia assisted ADEM with collection and analysis of samples for low-level mercury.

- Total Hardness (Ca + Mg), mg/L as CaCO₃
- Aluminum, total, mg/L
- Arsenic, total, µg/L
- Arsenic, dissolved, µg/L (2012 – 2013 only)
- Cadmium, total and dissolved, µg/L
- Lead, total and dissolved, mg/L
- Copper, total and dissolved, µg/L
- Chromium, total and dissolved, µg/L
- Nickel, total and dissolved, µg/L
- Zinc, total and dissolved, µg/L
- Silver, total and dissolved, µg/L
- Iron, total, µg/L
- Manganese, total, µg/L
- Mercury, total, µg/L
- Selenium, total, µg/L
- Antimony, total, µg/L
- Beryllium, total, µg/L
- Thallium, total, µg/L
- Cyanide, total, µg/L
- Phenols, total, µg/L
- Sodium, total, µg/L
- Potassium, total, µg/L

No sample was collected if there was no measureable stream flow at the station during the station visit. Phenols and cyanide were not measured in water samples collected during the December 2012 through February 2013 study.

D. Sediment Samples

Sediment samples were collected twice at each stream station, once in February or March and also in May 2011.

- Aluminum, total, µg/g
- Arsenic, total, µg/g
- Cadmium, total, µg/g
- Lead, total, µg/g
- Copper, total, µg/g
- Chromium, total, µg/g
- Nickel, total, µg/g
- Zinc, total, µg/g
- Silver, total, µg/g
- Iron, total, µg/g
- Manganese, total, µg/g
- Mercury, total, µg/g
- Selenium, total, µg/g
- Antimony, total, µg/g
- Beryllium, total, µg/g
- Thallium, total, µg/g
- Sodium, total, µg/g
- Potassium, total, µg/g

E. Macroinvertebrate Community Assessments

Macroinvertebrate community assessments were conducted once at each stream station and regional eco-reference station using the ADEM Aquatic Macroinvertebrate Community Wadeable Multi-Habitat Bioassessment protocol (WMB-I). All sample collection, processing, organism identification, and data analysis followed ADEM SOPs (6000 Rev. 2.0, 6001 Rev. 3.0, 6002 Rev. 2.0, 6004 Rev. 1.1). ADEM Physical Characterization and Habitat Assessment forms were also completed during these visits (SOPs 6300 Rev. 2.0, 6301 Rev. 2.0).

F. Whole Effluent Toxicity (WET) Tests

WET tests were conducted using samples collected from discharges from active treatment pond outfalls at two surface mining facilities. A multi-concentration (definitive) chronic toxicity test was performed using ADEM's WET test procedures which are consistent with those described in the USEPA guidance manual *Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*, Fourth Edition, October 2002, EPA-821-R-02-013. These tests measured the degree to which treatment pond discharges are chronically toxic to two species of test organisms, *Ceriodaphnia dubia* (water flea) and *Pimephales promelas* (fathead minnow).

G. Physical Characterization and Habitat Assessments

Physical characterization and habitat assessments were conducted during May 2011 using the ADEM Habitat Assessment form and physical characterization forms. The physical characterization assessment gathers data to characterize:

- riparian land use and vegetation
- instream features such as stream width, stream depth in pools and riffles, bank height, stream gradient, and canopy cover
- aquatic vegetation including dominant type (rooted or floating) with percentages for each and species (if known)
- sediment and substrate descriptions including odors, oils, and deposits
- observed water quality indicators such as water odors, surface oils, water color, and indicators of biological activity such as mussels, crayfish, fish, snails, macroinvertebrates, and fresh beaver sticks
- visit observations and measurements such as stream flow, weather conditions, flow stage, observed stream velocity, whether there has been recent rainfall, air temperature, and water turbidity
- substrate composition and general habitat assessment including the percent substrate material (bedrock, hardpan clay, boulder, cobble, gravel, sand, silt, clay, detritus, and muck), riffle / run habitat composition, and glide / pool habitat composition.

Detailed habitat forms for riffle / run areas of the assessment reach characterize instream cover, epifaunal surface, embeddedness, velocity/depth regimes, man-made channel alteration, sediment deposition, frequency of riffles relative to stream width, channel flow description (e.g., bank to bank flow), and condition of the stream banks. Detailed habitat forms for glide / pool areas of the assessment reach characterize instream cover, pool substrate composition, pool variability, man-made channel alteration, sediment deposition, channel sinuosity, channel flow description, and condition of the stream banks.

Results

A. In-situ parameters

Measurements of dissolved oxygen, turbidity, pH, and conductivity were conducted twice each month at the mining outfalls as well as the upstream and downstream stations. Plots depicting the mean values are shown below. Measured values for dissolved oxygen and pH at stations upstream and downstream of each outfall were compared to the applicable water quality criterion and the number of exceedances, if any, for each of those parameters is summarized in Table 5.

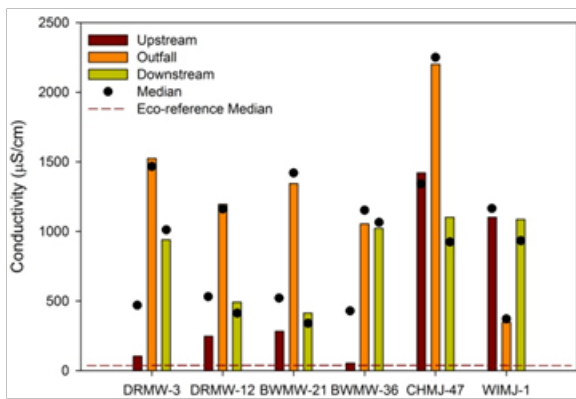


Figure 8. Conductivity

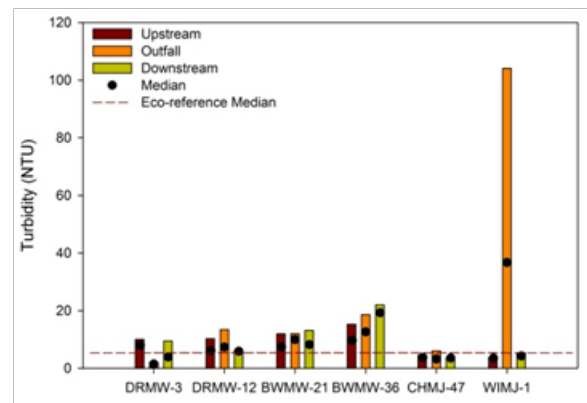


Figure 9. Turbidity

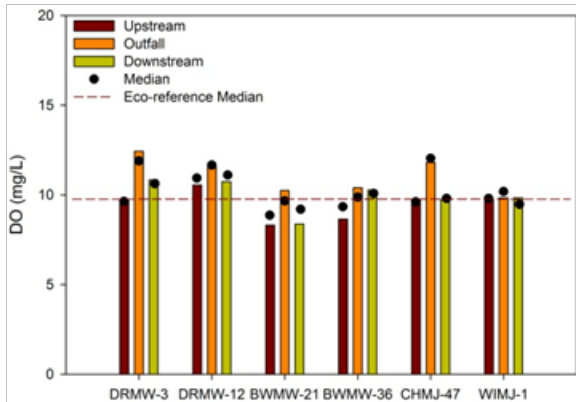


Figure 10. Dissolved Oxygen

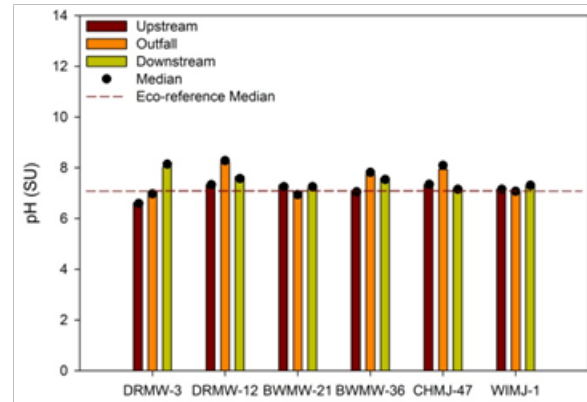


Figure 11. pH

The figures above show that conductivity is the in-situ parameter most affected by surface coal mining activity. At three of the six sites (50%) there was a statistically significant ($p < 0.05$) increase from upstream to downstream of a treatment pond outfall. Dissolved oxygen (D.O.), turbidity, and pH were not significantly affected, based on the biweekly sampling results shown in Table 5. Continuous monitoring of D.O., pH, temperature, and conductivity was performed twice during the study period.

Table 5. In situ WQ Criteria Exceedances (Biweekly Sampling)

Station ID	Stream Name	N	D.O.	p.H.	Turbidity
BERT-4	Bear Creek	32	0	1	0
INMW-1	Inman Creek	23	2	0	0
BRSL-3	Brushy Creek	22	0	0	1
CANW-51	Cane Creek	23	1	1	0
CANW-52	Cane Creek	19	1	1	0
BKRW-1	Baker Creek	22	1	2	0
BURW-1	Burton Creek	23	0	0	1
CHAW-1	Charlies Creek	23	2	0	1
CHAW-2	Charlies Creek	23	3	0	1
SPRW-52	Spring Creek	16	2	0	0
SPRW-51	UT to Spring Creek	22	0	0	1
CLCJ-1	Coal Creek	23	0	0	0
CLCJ-3	Coal Creek	21	1	0	0
CLCJ-4	Coal Creek	23	0	0	0

The results for continuous conductivity measurements are summarized as mean and median values in the following figures.

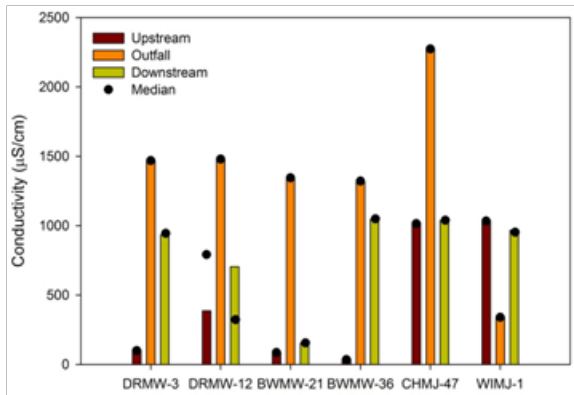


Figure 12. Feb/March Diurnal

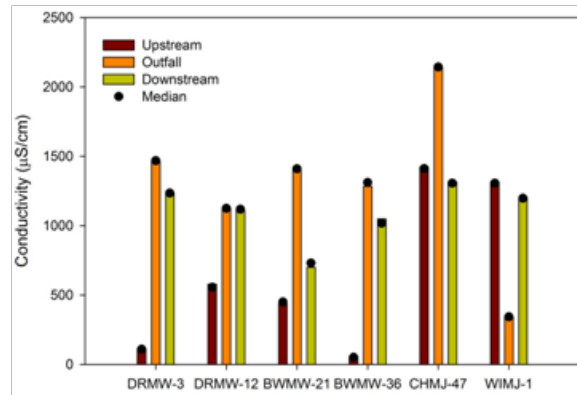


Figure 13. May Diurnal

Trends in the diurnal monitoring data set and the biweekly sampling data set are similar. At four of the six (66%) sites, the increase in conductivity was statistically significant ($p < 0.05$) from upstream to downstream in both early and late diurnal trips. It should be noted that reported results for the Jefferson county sites (i.e. CLCJ-1, CLCJ-3, CLCJ-4) may be influenced by coal mining activities conducted upstream of CHMJ-47. Also, the WIMJ-1 site is not a typical surface coal mining facility, but an underground mining operation with a newly constructed coal storage area on the surface. Tables 6 through 8 summarize the diurnal monitoring data for in-situ D.O., pH, conductivity, and water temperature measured during each of the continuous monitoring periods.

Upstream

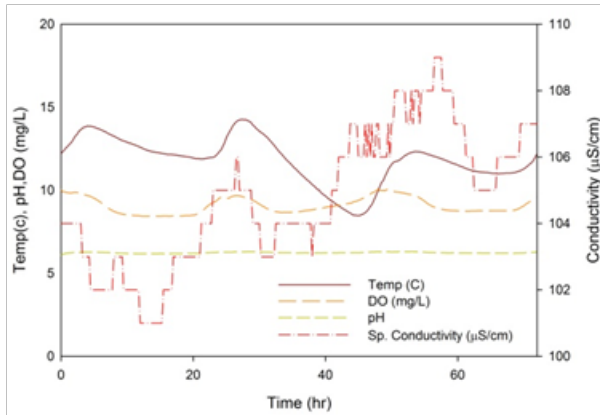


Figure 14. BKRW-1 (2/21/11-2/24/11)

Downstream

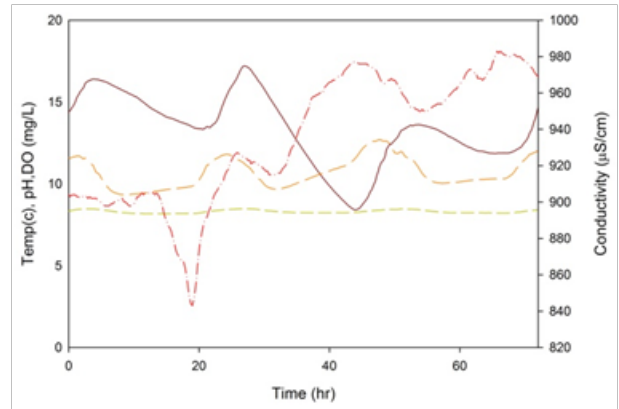


Figure 15. BURW-1 (2/21/11-2/24/11)

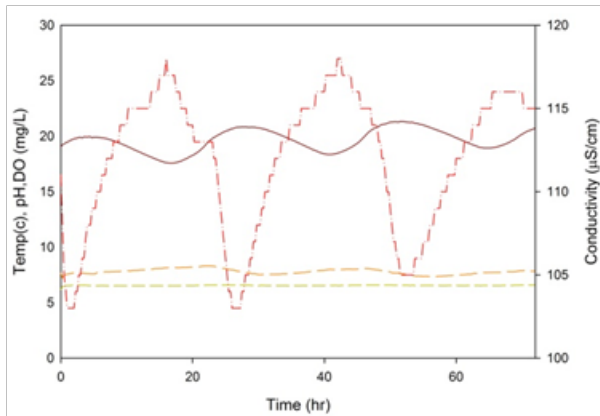


Figure 16. BKRW-1 (5/9/11-5/12/11)

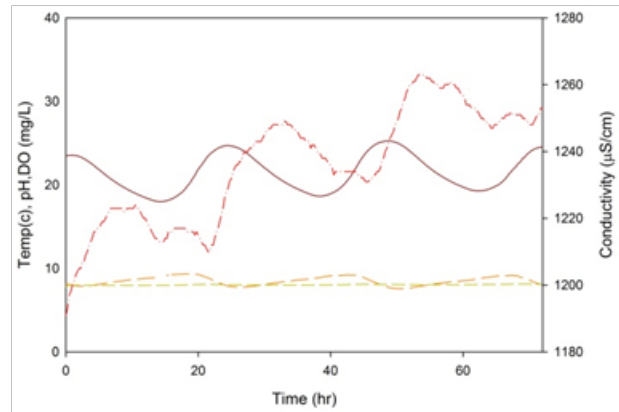


Figure 17. BURW-1 (5/9/11-5/12/11)

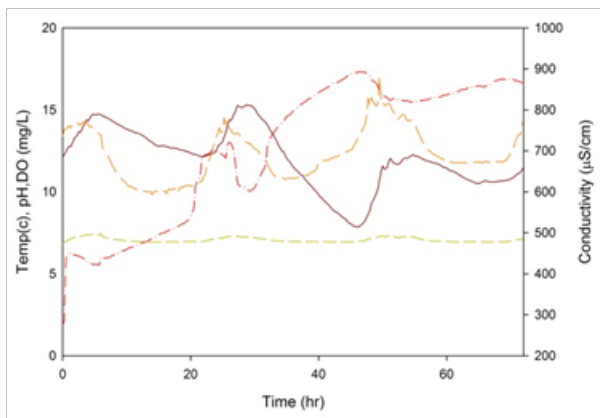


Figure 18. CANW-52 (2/21/11-2/24/11)

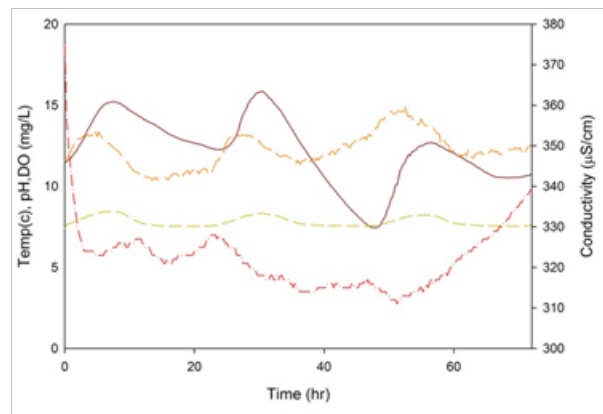


Figure 19. CANW-51 (2/21/11-2/24/11)

Upstream

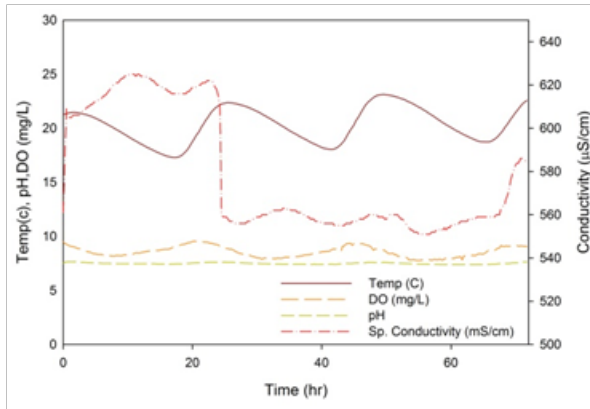


Figure 20. CANW-52 (5/9/11-5/12/11)

Downstream

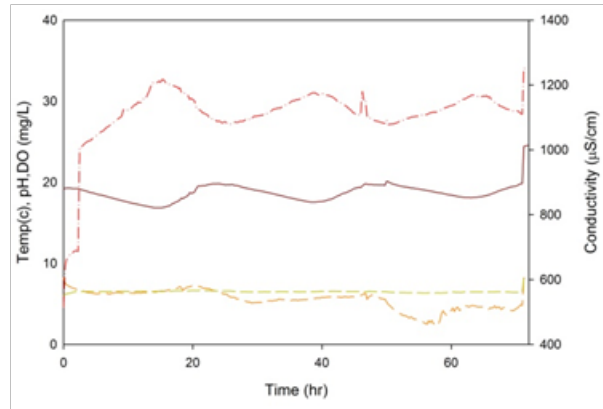


Figure 21. CANW-51 (5/9/11-5/12/11)

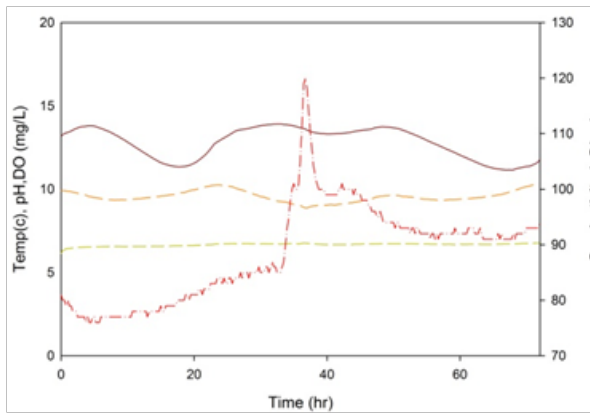


Figure 22. CHAW-2 (3/28/11-3/31/11)

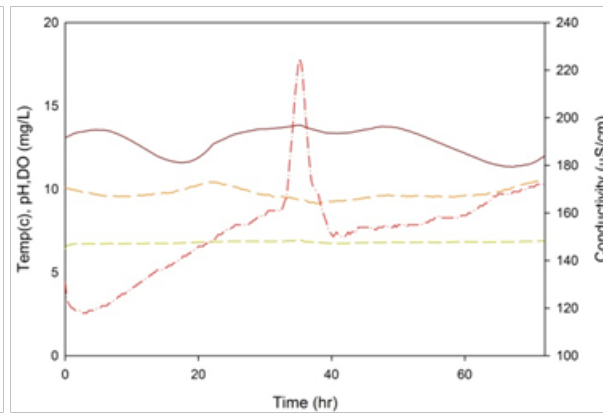


Figure 23. CHAW-1 (3/28/11-3/31/11)

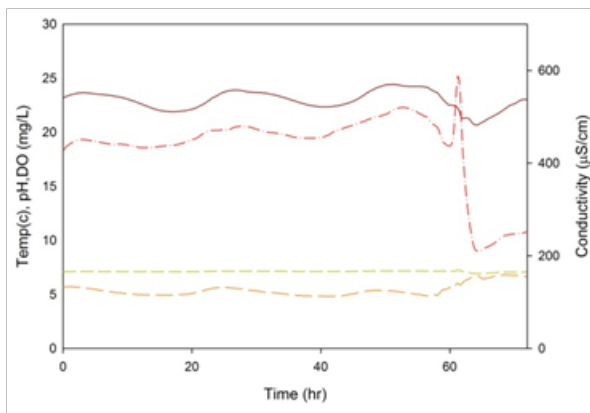


Figure 24. CHAW-2 (5/23/11-5/26/11)

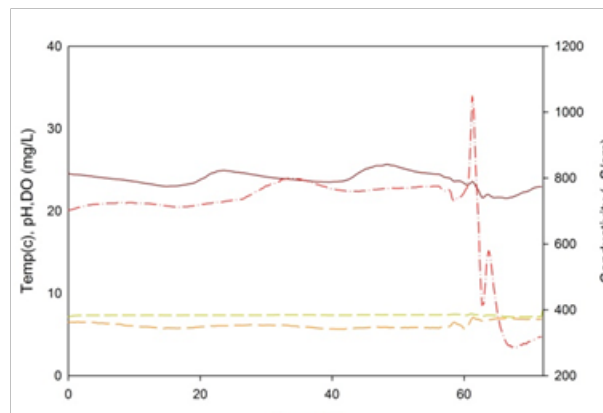


Figure 25. CHAW-1 (5/23/11-5/26/11)

Upstream

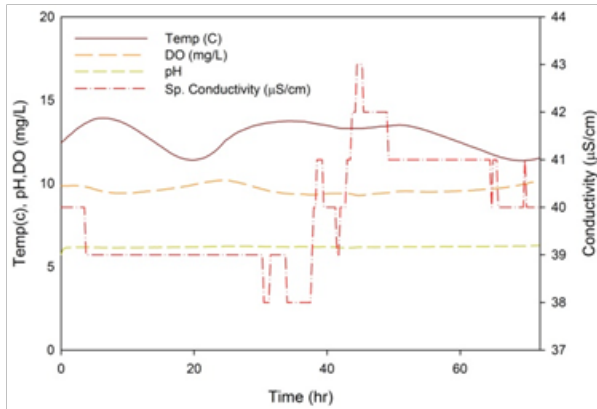


Figure 26. SPRW-52 (3/28/11-3/31/11)

Downstream

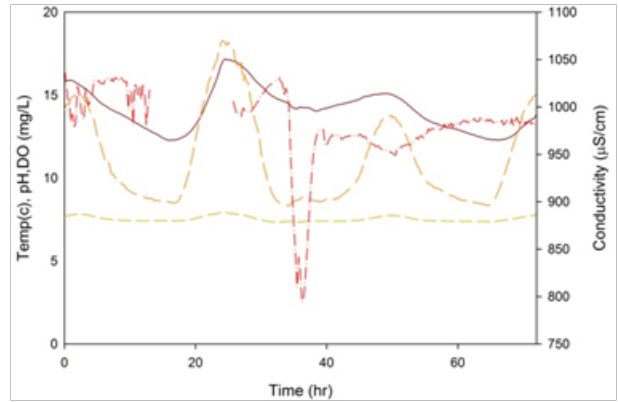


Figure 27. SPRW-51 (3/28/11-3/31/11)

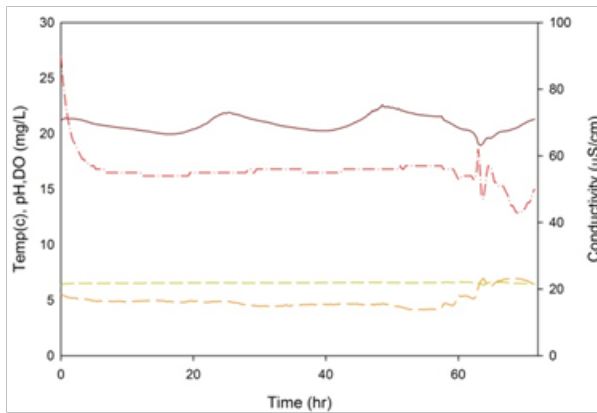


Figure 28. SPRW-52 (5/23/11-5/26/11)

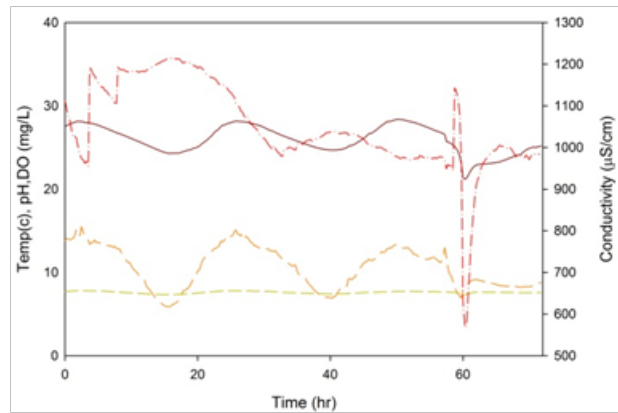


Figure 29. SPRW-51 (5/23/11-5/26/11)

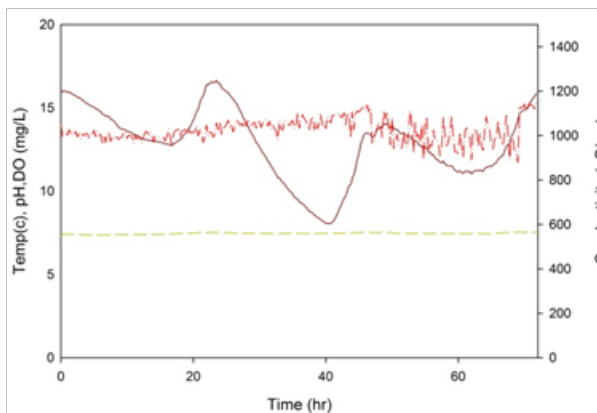


Figure 30. CLCJ-1 (2/21/11-2/24/11)

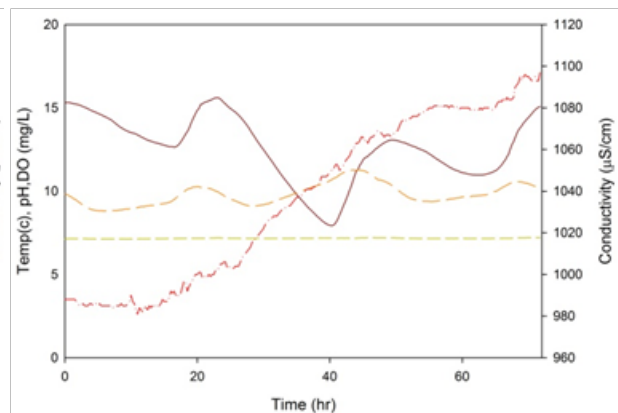


Figure 31. CLCJ-3 (2/21/11-2/24/11)

Upstream

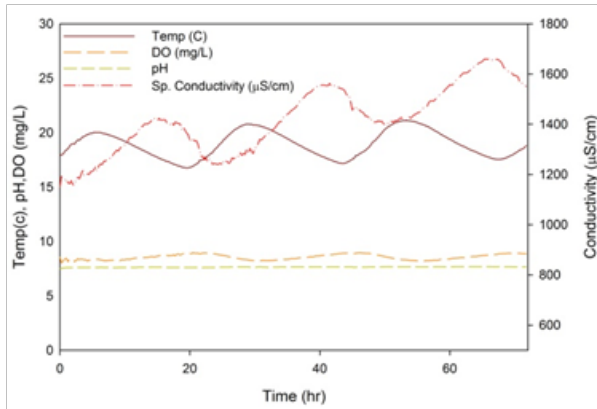


Figure 32. CLCJ-1 (5/9/11-5/12/11)

Downstream

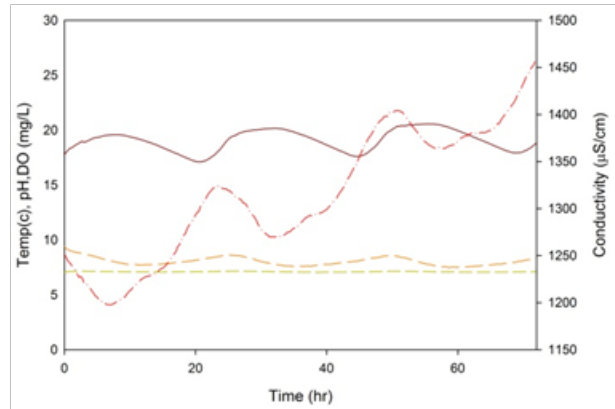


Figure 33. CLCJ-3 (5/9/11-5/12/11)

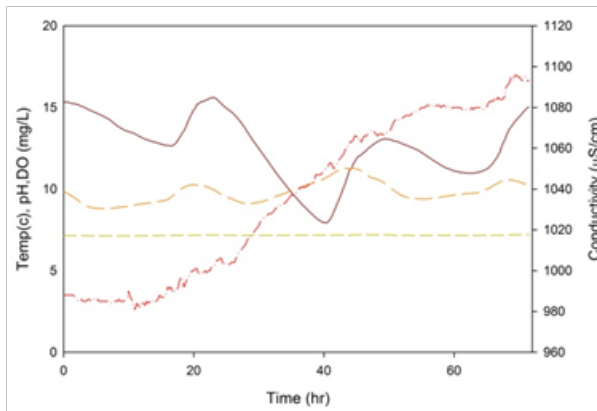


Figure 34. CLCJ-3 (2/21/11-2/24/11)

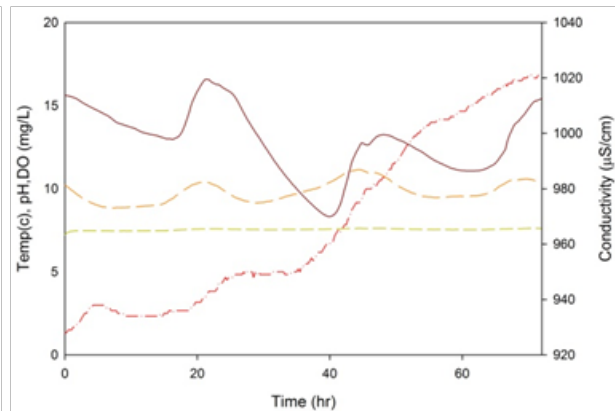


Figure 35. CLCJ-4 (2/21/11-2/24/11)

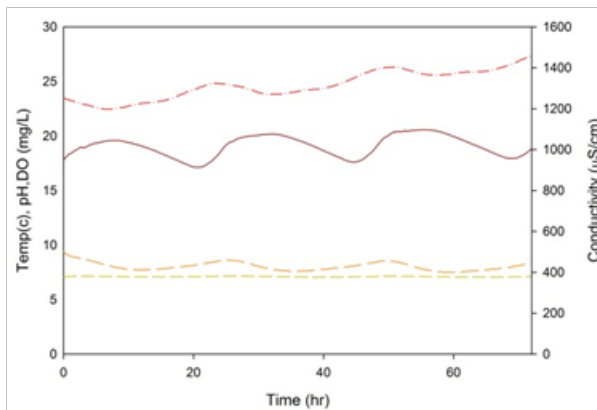


Figure 36. CLCJ-3 (5/9/11-5/12/11)

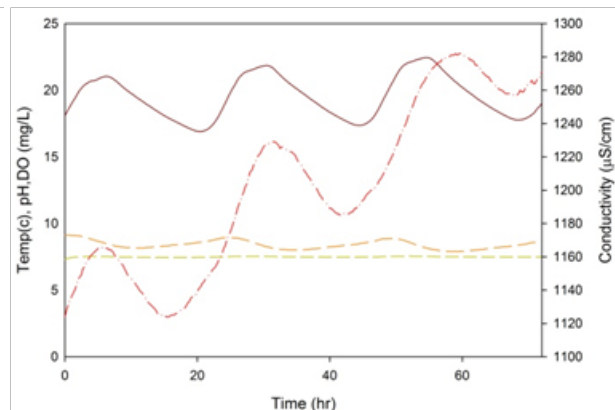


Figure 37. CLCJ-4 (5/9/11-5/12/11)

Table 6. Diurnal In-Situ Parameter Summary, February 21 – 24, 2011

Station ID	Location	D.O., mg/L			pH, s.u.			Conductivity, $\mu\text{S}/\text{cm}$			Water Temperature, $^{\circ}\text{C}$		
		Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.
WIMJ-1	Outfall	8.87	9.21	9.43	6.72	7.17	7.29	336	340	344	13.05	15.90	20.92
DRMW-3	Outfall	10.77	11.67	13.82	7.22	7.36	7.43	1459	1470	1503	15.67	16.54	17.62
CHMJ-47	Outfall	8.90	10.82	11.84	7.61	7.84	7.88	2252	2275	2299	14.50	15.77	17.02
DRMW-12	Outfall	10.74	11.70	13.70	8.09	8.38	8.44	1415	1477	1508	13.69	15.48	16.88
BERT-4	Eco-Reference	9.75	10.51	11.46	6.35	6.77	6.85	72	73	78	9.69	12.75	15.93
CANW-51	Downstream	10.37	12.29	15.02	7.39	7.82	8.46	375	386	439	7.45	12.19	15.87
CANW-52	Upstream	9.82	12.30	17.02	6.84	7.06	7.46	276	705	893	7.85	12.02	15.31
BKRW-1	Upstream	8.43	9.08	10.05	6.09	6.24	6.31	101	105	109	8.47	11.81	14.26
BURW-1	Downstream	9.34	10.66	12.70	8.17	8.31	8.47	843	935	983	8.41	13.34	17.21
CLCJ-1	Upstream	---	---	---	7.31	7.46	7.54	317	1022	1146	8.04	12.87	16.64
CLCJ-3	Up/Downstream	8.80	9.80	11.28	7.12	7.17	7.21	981	1036	1097	7.93	12.57	15.61
CLCJ-4	Downstream	8.84	9.81	11.15	7.23	7.54	7.62	928	967	1021	8.33	12.87	16.59

Table 7. Diurnal In-Situ Parameter Summary, March 9 - 12, 2011

Station ID	Location	D.O., mg/L			pH, s.u.			Conductivity, $\mu\text{S}/\text{cm}$			Water Temperature, $^{\circ}\text{C}$		
		Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.
CHAW-2	Upstream	8.87	9.56	10.35	6.15	6.66	6.77	76	88	120	11.15	12.80	13.91
BWMW-21	Outfall	8.92	9.69	11.46	6.56	6.77	6.98	1267	1336	1399	14.21	15.18	17.16
CHAW-1	Downstream	9.14	9.74	10.52	6.42	6.80	6.94	118	152	225	11.33	12.85	13.84
SPRW-52	Upstream	9.28	9.63	10.19	5.73	6.19	6.27	38	40	43	11.37	12.85	13.92
BWMW-36	Outfall	6.78	7.88	8.85	7.42	7.52	7.59	1233	1318	1362	13.55	14.32	15.43
SPRW-51	Downstream	8.31	11.17	18.28	7.34	7.53	7.92	858	1045	1103	12.27	14.13	17.17
BRSL-3	Eco-Reference	10.41	10.73	11.17	4.82	6.33	6.47	18	18	24	10.02	11.34	12.49
INMW-1	Eco-Reference	---	---	---	5.68	6.25	6.40	29	30	33	10.16	11.73	13.06

Table 8. Diurnal In-Situ Parameter Summary, May 28 - 31, 2011

Station ID	Location	D.O., mg/L			pH, s.u.			Conductivity, $\mu\text{S}/\text{cm}$			Water Temperature, $^{\circ}\text{C}$		
		Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.
BERT-4	Eco-Reference	8.11	8.55	9.16	5.98	6.73	6.83	49	50	53	17.96	20.04	22.41
BKRW-1	Upstream	7.22	7.79	8.30	6.21	6.55	6.60	103	112	118	17.58	19.64	21.33
BURW-1	Downstream	7.55	8.50	9.36	7.79	8.03	8.13	1191	1235	1263	18.00	21.47	25.27
CANW-51	Downstream	7.78	8.57	9.55	7.39	7.49	7.66	551	578	625	17.29	20.31	23.13
CANW-52	Upstream	2.47	5.51	8.18	6.00	6.50	6.68	111	123	138	16.86	18.66	20.13
CHMJ-47	Outfall	10.67	14.92	17.67	7.77	8.50	8.65	2095	2141	2160	24.21	26.58	29.05
CLCJ-1	Upstream	8.02	8.56	9.00	7.50	7.64	7.68	1151	1417	1660	16.76	18.92	21.11
CLCJ-3	Up/Downstream	7.49	8.04	9.40	7.05	7.10	7.16	1198	1314	1460	17.12	19.05	20.56
CLCJ-4	Downstream	7.89	8.40	9.13	7.30	7.49	7.56	1124	1202	1282	16.90	19.50	22.44
DRMW-12	Outfall	12.19	13.64	16.58	8.17	8.32	8.46	1107	1125	1152	23.98	27.30	31.03
DRMW-3	Outfall	9.89	12.73	15.03	6.41	6.65	6.70	1423	1464	1486	18.39	19.43	20.68
WIMJ-1	Outfall	9.23	10.41	12.35	7.45	7.97	8.29	328	341	350	23.74	27.10	32.49
SPRW-52	Upstream	4.14	4.98	6.99	6.18	6.37	6.45	43	54	62	18.95	20.87	22.58
SPRW-51	Downstream	5.89	10.64	15.49	7.35	7.61	7.82	567	1049	1215	21.20	25.96	28.39

B. Surface Water Samples and Outfall Samples

i. Conventional Parameters

For the conventional parameter analysis, samples were taken twice each month between January and August of 2011 and December 2012 through February 2013 at each stream station. The mean and median concentrations were examined and compared in order to determine any trends from upstream to downstream of treatment pond outfalls; or differences from reclaimed or eco-reference to active mining sites.

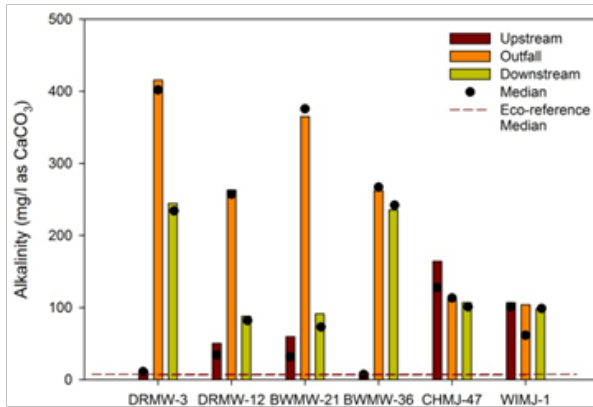


Figure 38. Alkalinity

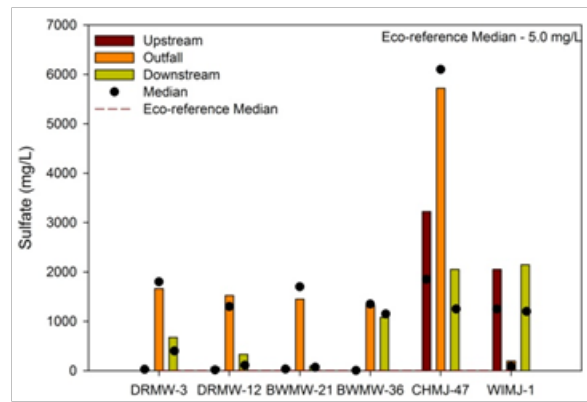


Figure 39. Sulfate

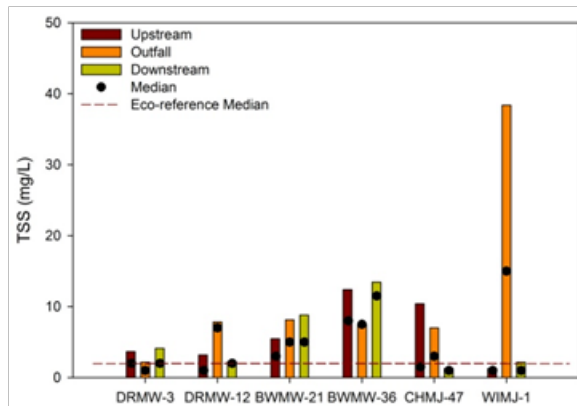


Figure 40. Total Suspended Solids

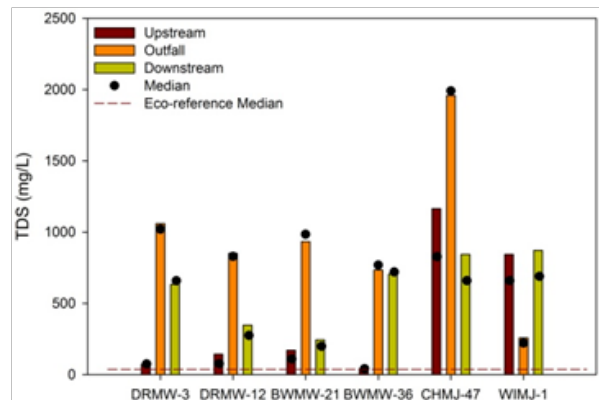


Figure 41. Total Dissolved Solids (TDS)

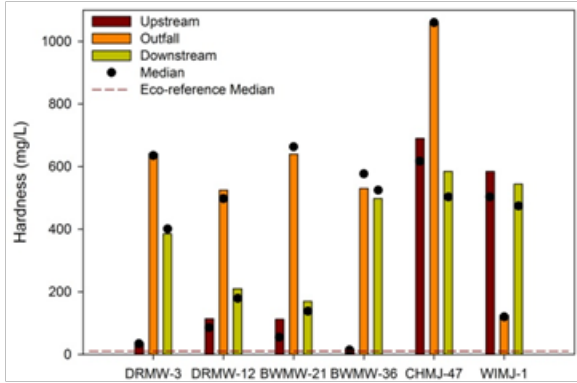


Figure 42. Total Hardness

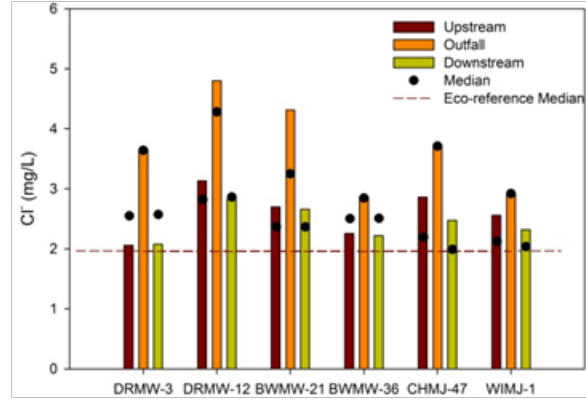


Figure 43. Chloride

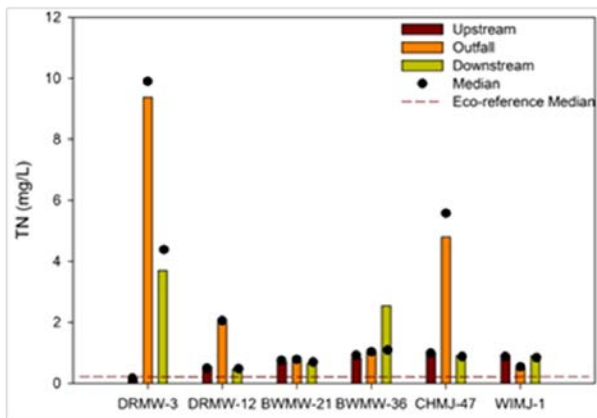


Figure 44. Total Nitrogen

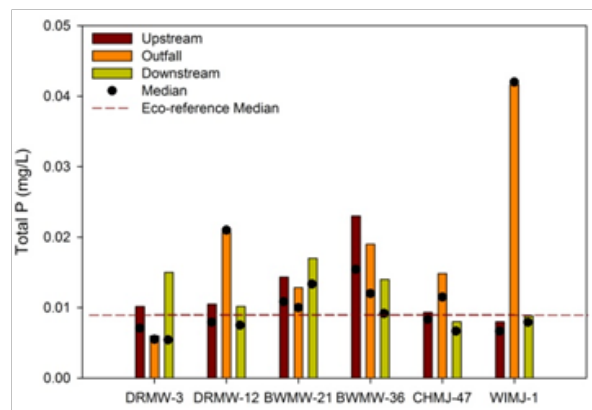


Figure 45. Total Phosphorus

Total nitrogen exhibited the only statistically significant trend ($p < 0.05$) in the above data set with an increase in concentration from upstream to downstream. In 25% of the upstream to downstream sample sets, there is a noted increase from upstream to downstream for the parameters shown. Another noted observation is that the TDS and Conductivity exhibit similar trends, which is to be expected. The dotted line shown on the Sulfate and Total Dissolved Solids charts is the 90th percentile concentration measured at the ecoregion stations.

ii. Metals Analysis

Samples were taken monthly and analyzed for a total of 21 different metals. Where the water quality criterion for a particular metal is expressed as the dissolved form of the metal, water samples were analyzed for both total and dissolved fractions of the metal. All other metals were measured only as the total fraction in the water sample. In the process of surface coal mining, potential metal-bearing earth is removed and may be stockpiled for extended periods of time. During rain events, some metals are either leached from the spoil or carried with sediment and enter the facility's treatment ponds where a portion of the total metal load is captured by the treatment system; however, some levels of metals are typically discharged to receiving streams, including in the dissolved and total forms.

A similar analysis was performed on the metals data as was performed on the conventional parameters to investigate trends from upstream to downstream of treatment pond outfalls, water quality differences between eco-reference streams, streams at reclaimed mines, and streams at active surface mines, and to detect any water quality criteria exceedances. Low level mercury analysis was performed twice during the study period, and neither analysis displayed mercury values which would warrant any concern. The concentrations of metals found to be present in study samples are shown below in Figures 46 - 71. The figures illustrate the average and median concentrations in samples collected upstream of treatment pond outfalls, downstream of treatment pond outfalls, and from the discharge of treatment ponds. The median concentration measured at the three ecoregion reference stations during the study period is also shown for each parameter. For concentrations reported as less than the method detection limit (MDL), 50% of the MDL was used in the calculations. Appendix A includes water quality summaries for each station sampled.

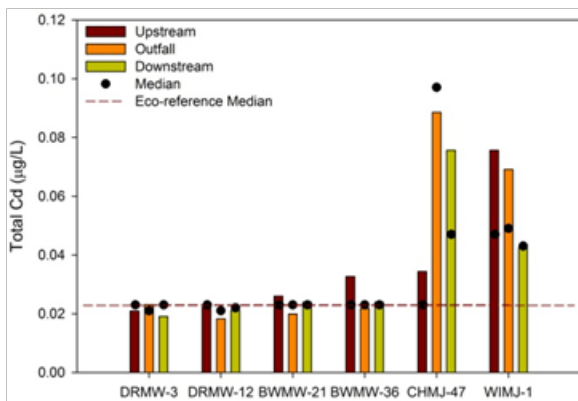


Figure 46. Total Cadmium

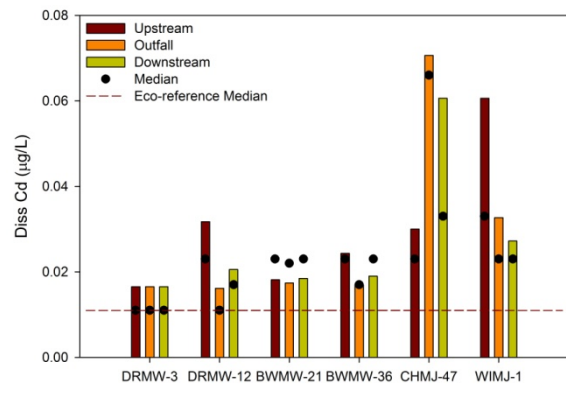


Figure 47. Dissolved Cadmium

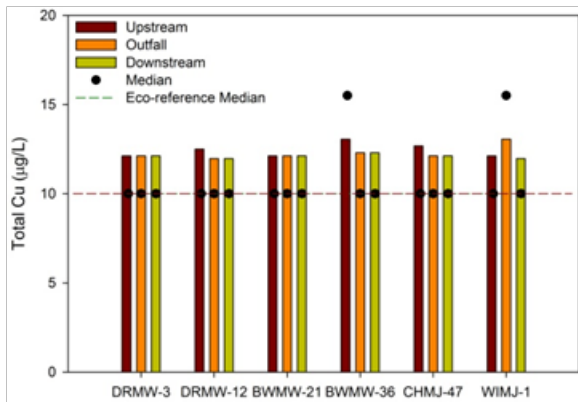


Figure 48. Total Copper

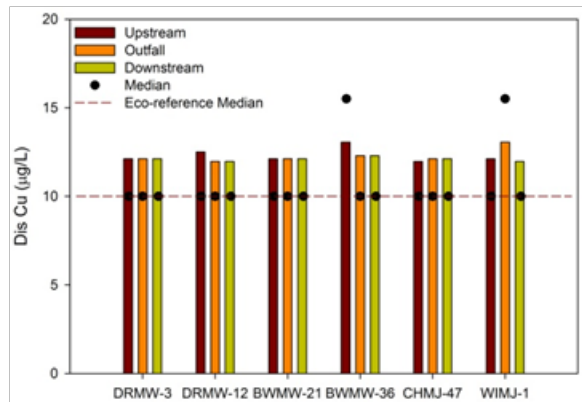


Figure 49. Dissolved Copper

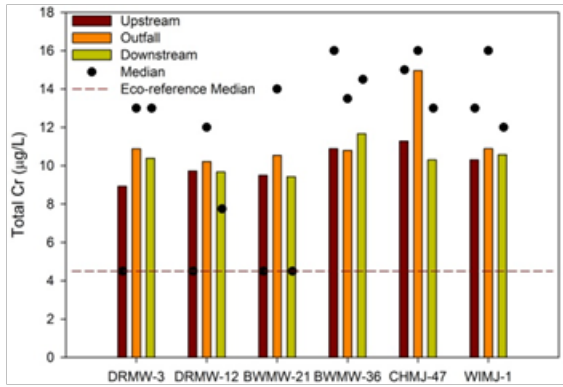


Figure 50. Total Chromium

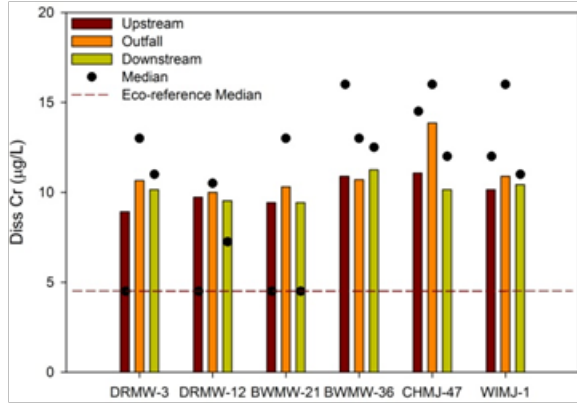


Figure 51. Dissolved Chromium

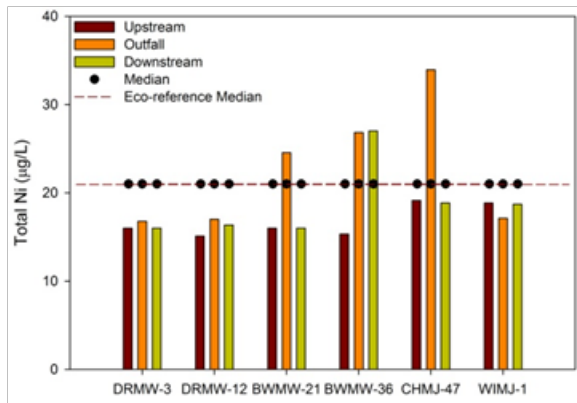


Figure 52. Total Nickel

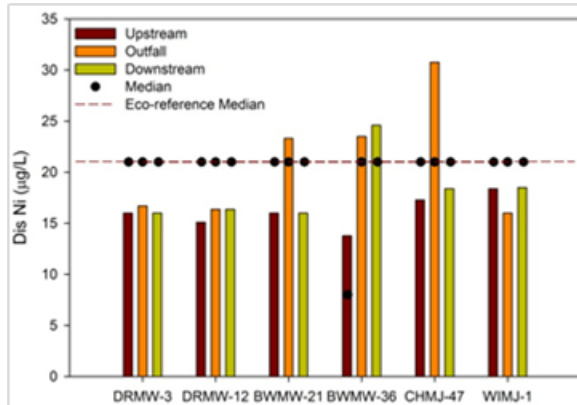


Figure 53. Dissolved Nickel

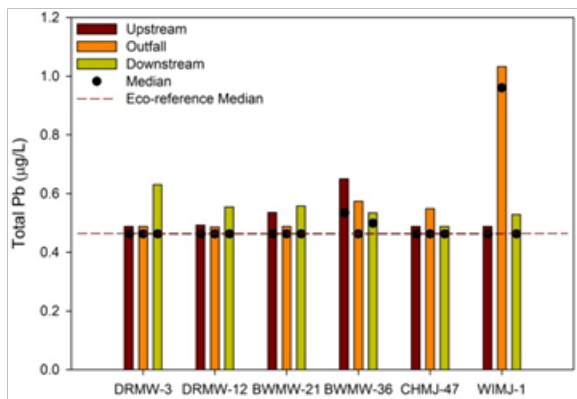


Figure 54. Total Lead

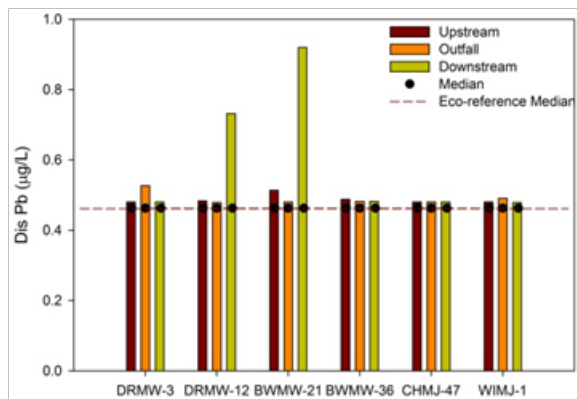


Figure 55. Dissolved Lead

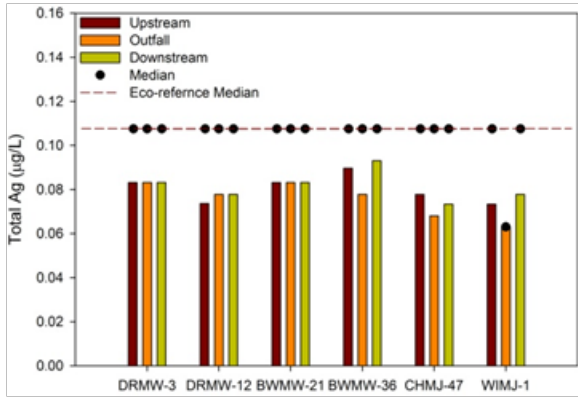


Figure 56. Total Silver

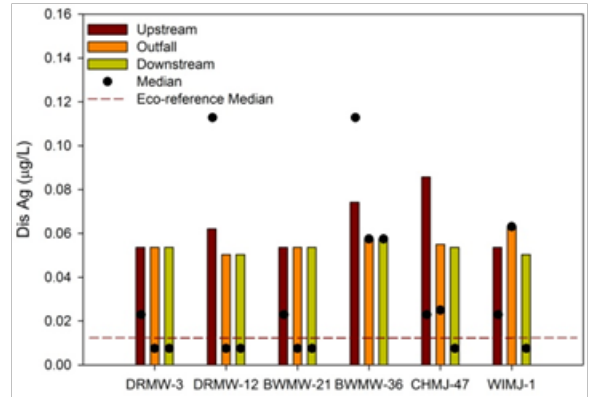


Figure 57. Dissolved Silver

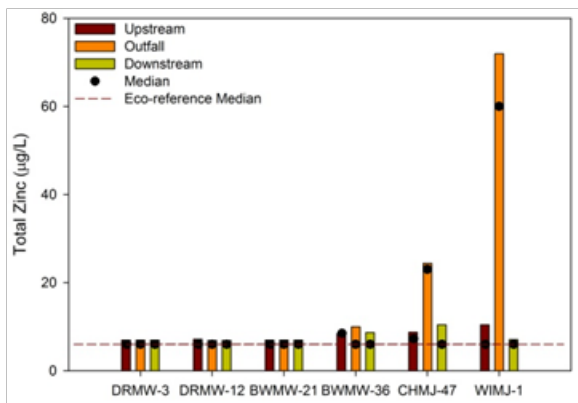


Figure 58. Total Zinc

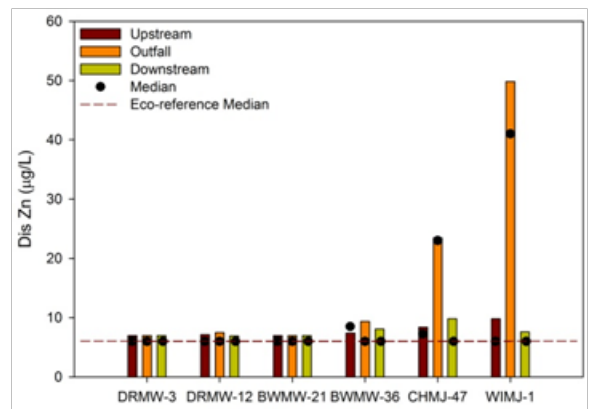


Figure 59. Dissolved Zinc

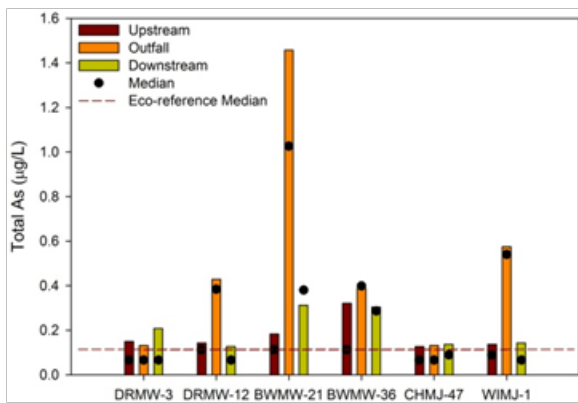


Figure 60. Total Arsenic

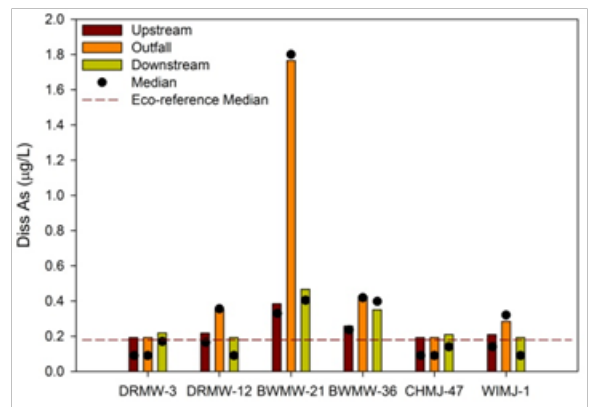


Figure 61. Dissolved Arsenic

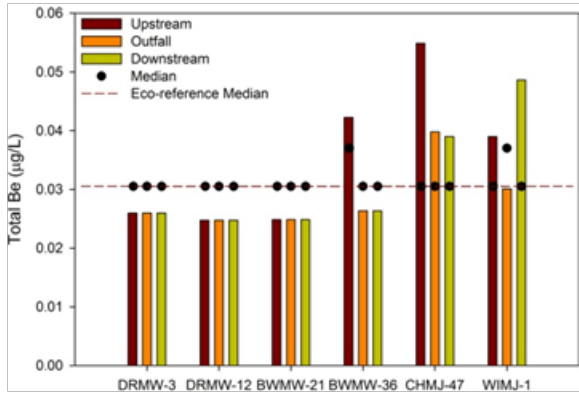


Figure 62. Total Beryllium

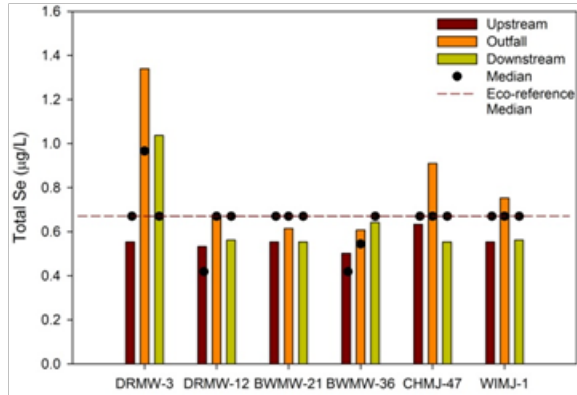


Figure 63. Total Selenium

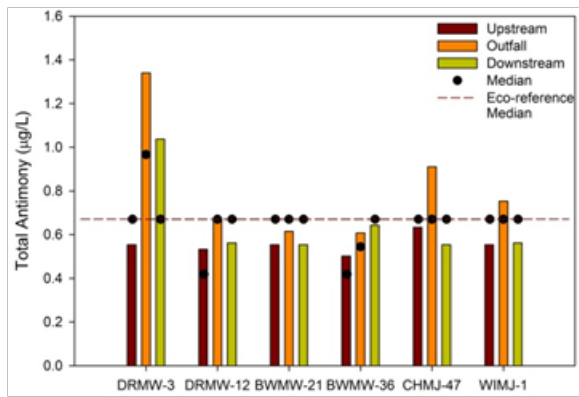


Figure 64. Total Antimony

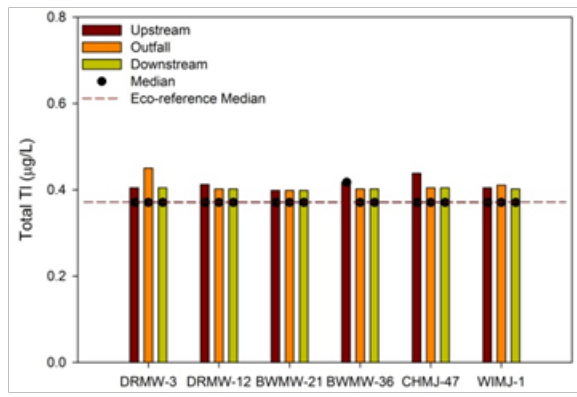


Figure 65. Total Thallium

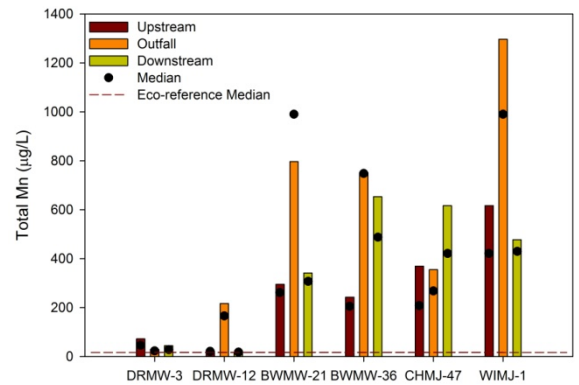


Figure 66. Total Manganese

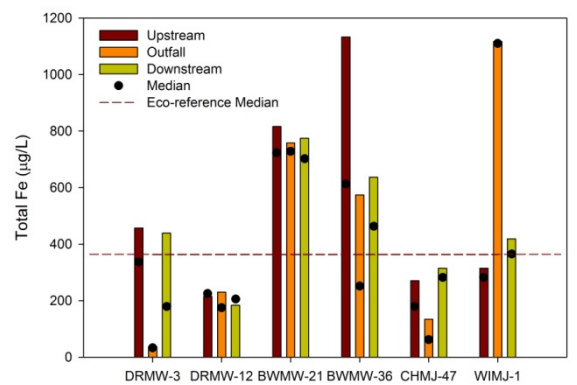


Figure 67. Total Iron

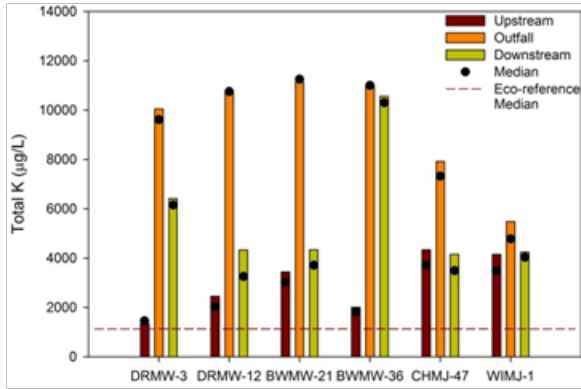


Figure 68. Total Potassium

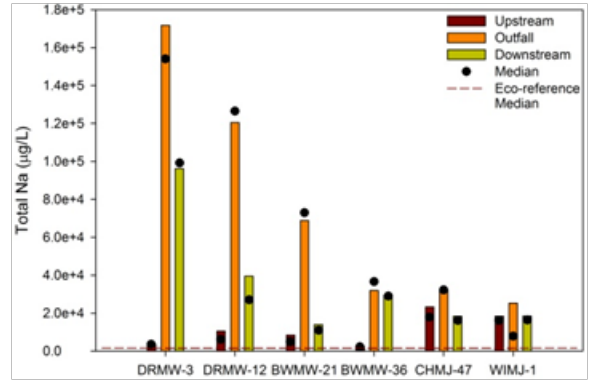


Figure 69. Total Sodium

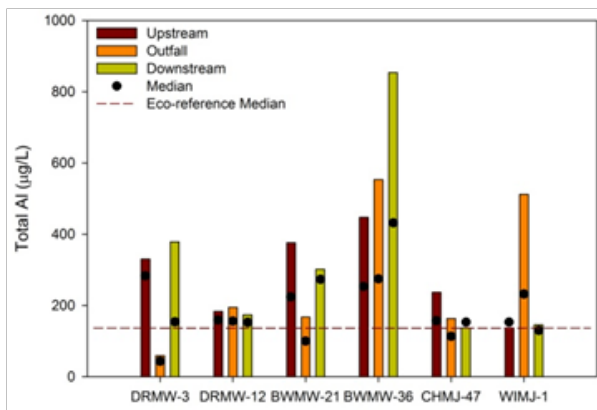


Figure 70. Total Aluminum

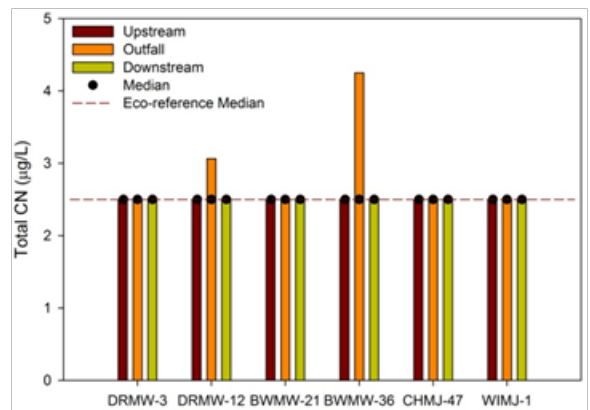


Figure 71. Total Cyanide

The upstream to downstream effects are depicted in the charts above and summarized in Tables 9 through 15. The information provided in the tables is useful for understanding the relative influence of surface mining activity on ambient concentrations of selected metals, but does not indicate whether water quality standards are being exceeded. The information presented in Table 16 shows that for many of the metals commonly associated with coal mining, no water quality criteria were exceeded during the study.

Table 9. Upstream to downstream effects for selected metals

Parameter	% Facilities showing downstream increase	% Significant Increase
Aluminum	33.33%	0.00%
Arsenic	16.67%	0.00%
Beryllium	33.33%	0.00%
Cadmium	16.67%	16.67%
Chromium	66.67%	0.00%
Cyanide	0.00%	0.00%
Iron	33.33%	0.00%
Manganese	33.33%	16.67%
Potassium	66.67%	50.00%
Sodium	66.67%	80.00%
Total Hardness	66.67%	50.00%
Zinc	0.00%	0.00%

Table 10. Upstream to downstream effects for selected parameters at Outfall DRMW-3

Parameter	Outfall	Upstream (BKRW-1)	Downstream (BURW-1)	p-value ¹
Conductivity (µS/cm)	1514.74	103.85	939.57	1.47E-10
TSS (mg/L)	2.17	3.65	4.12	0.4230
Total Iron (µg/L)	37.69	457.23	439.15	0.4714
Sulfate (mg/L)	1661.92	27.18	677.43	1.80E-04
Total Arsenic (µg/L)	0.1313	0.1496	0.2078	0.2382
Dissolved Arsenic (µg/L)	0.1925	0.1925	0.2192	0.3860
Total Aluminum (µg/L)	58.88	330.27	378.42	0.3911
Total Cadmium (µg/L)	0.0231	0.0209	0.0191	0.2364
Total Selenium (µg/L)	1.34	0.5539	1.037	0.0110
Total Nitrogen (mg/L)	11.70	0.1214	4.781	1.91E-07
Total Phosphorus (mg/L)	0.0060	0.0102	0.0150	0.2625

¹p-value <0.05 indicated significant change (shown in bold).

Table 11. Upstream to downstream effects for selected parameters at Outfall DRMW-12

Parameter	Outfall	Upstream (CANW-52)	Downstream (CANW-51)	p-value ¹
Conductivity (µS/cm)	1195.04	247.13	492.46	4.28E-04
TSS (mg/L)	7.82	3.19	2.27	0.1654
Total Iron (µg/L)	229.75	215.18	184.00	0.2275
Sulfate (mg/L)	1521.76	66.16	333.83	0.0329
Total Arsenic (µg/L)	0.4291	0.1432	0.1266	0.3709
Dissolved Arsenic (µg/L)	0.3508	0.2175	0.1925	0.3928
Total Aluminum (µg/L)	194.82	183.32	173.79	0.4128
Total Cadmium (µg/L)	0.0183	0.0223	0.0211	0.4211
Total Selenium (µg/L)	0.6686	0.5328	0.5622	0.2908
Total Nitrogen (mg/L)	2.77	0.3143	0.5653	0.0186
Total Phosphorus (mg/L)	0.0207	0.0105	0.0102	0.4407

¹p-value <0.05 indicated significant change (shown in bold).

Table 12. Upstream to downstream effects for selected parameters at Outfall BMWW-21

Parameter	Outfall	Upstream (CHAW-2)	Downstream (CHAW-1)	p-value ¹
Conductivity ($\mu\text{S}/\text{cm}$)	1344.13	282.29	414.20	0.0304
TSS (mg/L)	8.14	5.471	8.81	0.1879
Total Iron (mg/L)	757.92	816.08	774.54	0.3429
Sulfate (mg/L)	1448.17	62.05	93.29	0.0685
Total Arsenic ($\mu\text{g}/\text{L}$)	1.46	0.183	0.3125	0.0406
Dissolved Arsenic ($\mu\text{g}/\text{L}$)	1.76	0.385	0.4667	0.2380
Total Aluminum (mg/L)	167.19	376.08	301.54	0.2968
Total Cadmium ($\mu\text{g}/\text{L}$)	0.0199	0.0260	0.0239	0.3247
Total Selenium ($\mu\text{g}/\text{L}$)	0.6147	0.5539	0.5539	0.5000
Total Nitrogen (mg/L)	0.2913	0.3997	0.3714	0.3883
Total Phosphorus (mg/L)	0.0128	0.0143	0.0170	0.2270

¹p-value <0.05 indicated significant change (shown in bold).

Table 13. Upstream to downstream effects for selected parameters at Outfall BMWW-36

Parameter	Outfall	Upstream (SPRW-52)	Downstream (SPRW-51)	p-value ¹
Conductivity ($\mu\text{S}/\text{cm}$)	1054.19	54.76	1022.60	9.82E-17
TSS (mg/L)	7.55	12.400	13.45	0.4120
Total Iron ($\mu\text{g}/\text{L}$)	574.00	1133.00	636.75	0.0767
Sulfate (mg/L)	1327.88	6.37	1079.58	1.42E-06
Total Arsenic ($\mu\text{g}/\text{L}$)	0.3875	0.321	0.3048	0.4506
Dissolved Arsenic ($\mu\text{g}/\text{L}$)	0.4275	0.2575	0.3508	0.1398
Total Aluminum ($\mu\text{g}/\text{L}$)	553.33	447.22	853.58	0.1439
Total Cadmium ($\mu\text{g}/\text{L}$)	0.0218	0.0327	0.0239	0.1688
Total Selenium ($\mu\text{g}/\text{L}$)	0.6076	0.5023	0.6425	0.0968
Total Nitrogen (mg/L)	4.7453	0.5570	3.9914	1.63E-05
Total Phosphorus (mg/L)	0.0190	0.0230	0.0140	0.1175

¹p-value <0.05 indicated significant change (shown in bold).

Table 14. Upstream to downstream effects for selected parameters at Outfall CHMJ-47

Parameter	Outfall	Upstream (CLCJ-1)	Downstream (CLCJ-3)	p-value ¹
Conductivity (µS/cm)	2200.91	1420.58	1102.83	0.0700
TSS (mg/L)	7.00	10.40	1.28	0.0454
Total Iron (µg/L)	133.88	270.79	314.85	0.2954
Sulfate (mg/L)	5718.89	3222.10	2051.20	0.1017
Total Arsenic (µg/L)	0.1313	0.1266	0.1368	0.4165
Dissolved Arsenic (µg/L)	0.1925	0.1925	0.2092	0.4280
Total Aluminum (µg/L)	163.31	237.00	137.00	0.0729
Total Cadmium (µg/L)	0.0885	0.0344	0.0756	0.0182
Total Selenium (µg/L)	0.9103	0.6336	0.5539	0.2033
Total Nitrogen (mg/L)	5.88	1.1439	1.0772	0.3206
Total Phosphorus (mg/L)	0.0148	0.0093	0.0080	0.1416

¹p-value <0.05 indicated significant change (shown in bold).

Table 15. Upstream to downstream effects for selected parameters at Outfall WIMJ-1

Parameter	Outfall	Upstream (CLCJ-3)	Downstream (CLCJ-4)	p-value ¹
Conductivity (µS/cm)	346.61	1102.83	1086.81	0.4632
TSS (mg/L)	38.38	1.28	2.16	0.0568
Total Iron (µg/L)	1116.89	314.85	418.64	0.0266
Sulfate (mg/L)	195.87	2051.20	2145.01	0.4434
Total Arsenic (µg/L)	0.5751	0.1368	0.1429	0.4514
Dissolved Arsenic (µg/L)	0.2835	0.2092	0.1925	0.4280
Total Aluminum (µg/L)	511.67	137.00	145.57	0.3296
Total Cadmium (µg/L)	0.0691	0.0756	0.0424	0.0407
Total Selenium (µg/L)	0.7530	0.5539	0.5622	0.4348
Total Nitrogen (mg/L)	0.4294	1.0772	0.8575	0.0433
Total Phosphorus (mg/L)	0.0416	0.0080	0.0088	0.2298

¹p-value <0.05 indicated significant change (shown in bold).

Table 16. Number of Water Quality Criteria Exceedances for Hardness-dependent Dissolved Metals at Stream Stations

Station ID	Stream Name (with associated treatment pond outfall)	Number of Samples	Ag	Cd	Cr	Cu	Ni	Pb	Zn
BERT-4	Bear Creek (eco-reference)	16	0	0	0	0	0	0	0
INMW-1	Inman Creek (eco-reference)	13	0	0	0	0	0	0	0
BRSL-3	Brushy Creek (eco-reference)	13	0	0	0	0	0	0	0
CANW-51	Cane Creek (Downstream of DRMW-12)	14	0	0	0	0	0	0	0
CANW-52	Cane Creek (Upstream of DRMW-12)	11	0	0	0	0	0	0	0
BKRW-1	Baker Creek (Upstream of DRMW-3)	13	0	0	0	0	0	0	0
BURW-1	Burton Creek (Downstream of DRMW-3)	13	0	0	0	0	0	0	0
CHAW-1	Charlies Creek (Downstream of BWMW-21)	13	0	0	0	0	0	0	0
CHAW-2	Charlies Creek (Upstream of BWMW-21)	13	0	0	0	0	0	0	0
SPRW-52	Spring Creek (Upstream of BWMW-36)	9	0	0	0	0	0	0	0
SPRW-51	UT to Spring Creek (Downstream of BWMW-36)	12	0	0	0	0	0	0	0
CLCJ-1	Coal Creek (Upstream of CHMJ-47)	14	0	0	0	0	0	0	0
CLCJ-3	Coal Creek (Downstream of CHMJ-47/ Upstream of WIMJ-1)	13	0	0	0	0	0	0	0
CLCJ-4	Coal Creek (Downstream of WIMJ-1)	14	0	0	0	0	0	0	0

Scientists from USEPA’s Science and Ecosystem Support Division (SESD), assisted by ADEM Field Operations Division staff, collected and analyzed grab samples from each stream station and facility outfall on two separate occasions using EPA Method 1631 to measure low-level mercury concentrations. (USEPA, 2002) The results from these analyses are presented in the following table (Table 17).

Table 17. Low-level Mercury Analysis*

Station Type	Station ID	May 2011		June 2011	
		Hg, µg/L	Qualifier	Hg, µg/L	Qualifier
Ecoregion Station	BERT-4	0.0022		0.0016	
	BRSL-3	NS		0.0023	
	INMW-1	0.0018		NS	
Stream Station	CANW-51	0.0014		0.0027	
	CANW-52	0.0018		0.0021	
	BKRW-1	0.0013		0.0039	
	BURW-1	0.0013		0.00053	
	CHAW-1	0.0025		0.0022	
	CHAW-2	0.0019		0.0011	
	SPRW-52	NS		0.0029	
	SPRW-51	0.0018		0.00068	
	CLCJ-1	0.00095		0.00025	U
	CLCJ-3	0.0014		0.00025	U
CLCJ-4	0.002		0.00025	U	
Facility Outfall	DRMW-12	0.0024		0.00068	
	DRMW-3	0.00084		0.0005	U
	BWMW-21	0.0005		0.00025	U
	BWMW-36	0.0014		0.00053	
	CHMJ-47	0.0015		0.00025	U
	WIMJ-1	0.0029		0.0006	

* Sample collection and analyses performed by US EPA – SESD, Athens, GA

NS – Not sampled

U - The analyte was not detected at or above the reporting limit

None of the mercury concentrations in the table above exceed Alabama’s aquatic life or human health criteria for mercury. Concentrations were generally higher during the May sampling event than during the June sampling event. However, no other significant patterns are evident in the data.

C. Precipitation and Runoff

Treatment ponds at surface coal mining sites are designed to capture surface water runoff and associated sediment resulting from a design rainfall event of specific intensity and duration. As such, the discharge rate and duration from pond outfalls are dependent upon a number of

factors, including the pond's watershed characteristics (drainage area, slope, soil type, and ground cover), initial water level in the pond, rainfall duration and intensity, and antecedent soil moisture conditions. Precipitation, stream flow, and outfall discharge flow were measured during the study and evaluated to determine whether a consistent pattern of treatment pond discharge rates and durations occur in response to rainfall events. During many of the sampling events however, some of the treatment ponds were discharging at a rate too small to measure using the standard flow measurement equipment. The following table shows the number of measureable discharge flows for each treatment pond outfall along with comments from field crews regarding sampling events where measurement of flow from the pond was not possible.

Table 18. Number of Sampling Events with Measureable Treatment Pond Discharge Flow

Facility Name	Outfall ID	Number of Sampling Events	Number of Sampling Events with Measurable Flow	Comments
Surface Mine No. 1	DRMW-12	24	7	In March, May, June, July, August, December: Flow visible, but not measurable with meter (See photos B.261, B.262, B.264, B.266, B.268)
Surface Mine No. 1	DRMW-3	24	14	In January – April, June - August: Flow visible, but not measurable with meter (See photos B.242, B.244, B.247, B.248, B.249, B.250)
Manchester	BWMW-21	23	17	In June-July: At top of pond outfall a mud dam has been built impeding flow from pond. Flow too low for discharge measurement. (See photos B.199, B.200, B.201, B.202)
Manchester	BWMW-36	23	19	In July – August: The reach is a concrete spillway. Water is too shallow to collect a flow measurement. (See photos B.221, B.222, B.223, B.224)
Praco Mine	CHMJ-47	24	6	In January, March, April, May, June, July, August, December: Flow visible, but not measurable with meter (See photos B.232, B.234, B.236, B.238)
Maxine-Pratt	WIMJ-1	24	2	In January – April: Flow visible, but not measurable with meter. In June – December: No flow through outfall pipe; no samples collected. In January 2013: Flow visible, but not measurable with meter. (See photos B.274, B.276, B.278, B.280)

The results summarized in Table 18 and the comments recorded by field crews suggests that two of the treatment ponds did have a measureable discharge on a frequent basis but that the remaining ponds generally did not have a measureable discharge except following recent rainfall.

Precipitation gauges equipped with data loggers were deployed at three locations within the study area from January 1, 2011 through August 31, 2011. Table 19 presents the monthly rainfall totals recorded at each gauge and Figures 72 through 74 show the precipitation time series for the 2011 study period. Daily precipitation data was also obtained from the National Climatic Data Center (NCDC) for stations located in Jasper and Addison, Alabama and is also shown in Figures 75 and 76.

Table 19. Monthly Rainfall Totals

Month	Monthly Precipitation Total, inches				
	Maxine-Pratt	Surface Mine No. 1	Manchester	Jasper	Addison
January 2011	4.24	4.97	5.18	5.82	
February 2011	3.97	2.64	2.30	1.75	
March 2011	8.81	9.52	8.98	10.15	
April 2011	6.65	10.40	9.51	6.09	
May 2011	3.74	1.35	2.68	1.68	
June 2011	3.64	1.60	2.66	1.70	
July 2011	9.16	2.29	6.27	6.64	
August 2011	2.14	3.43	4.86	0	
November 2012					1.30
December 2012					6.69
January 2013					9.60
February 2013					4.86

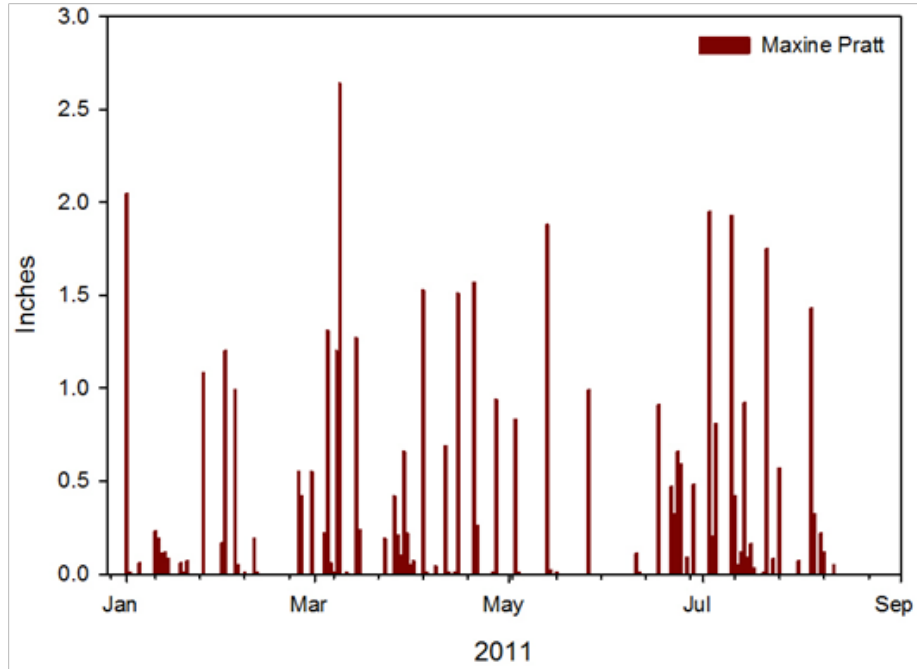


Figure 72. Precipitation Measured at the Maxine-Pratt Mine

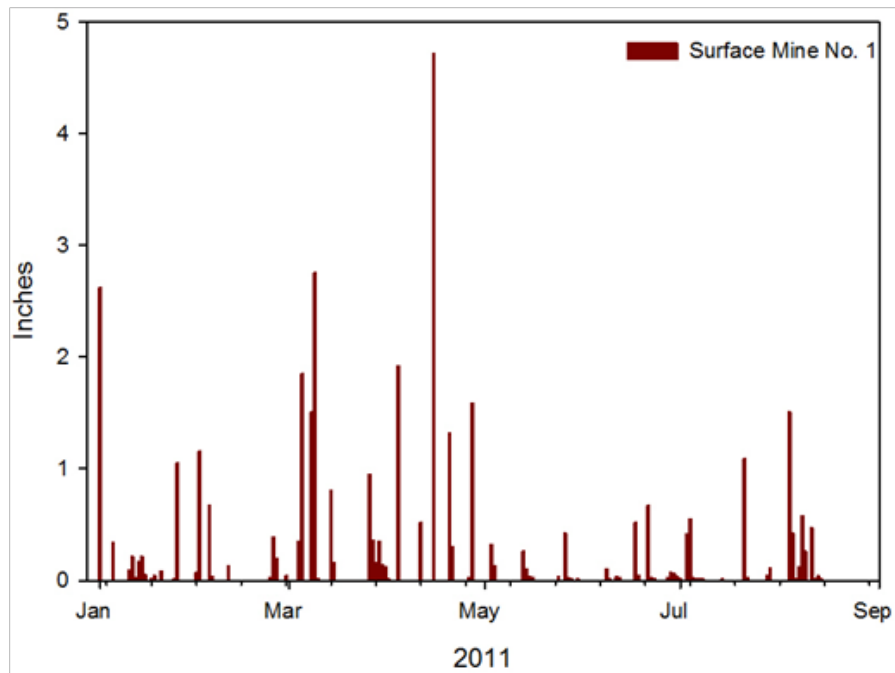


Figure 73. Precipitation Measured at the Surface Mine No. 1

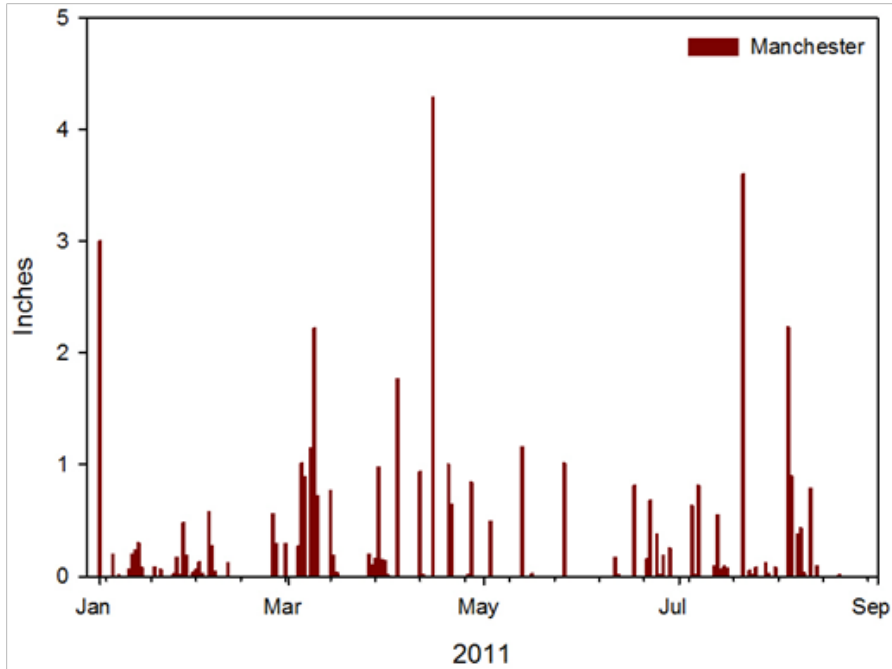


Figure 74. Precipitation Measured at the Manchester Mine

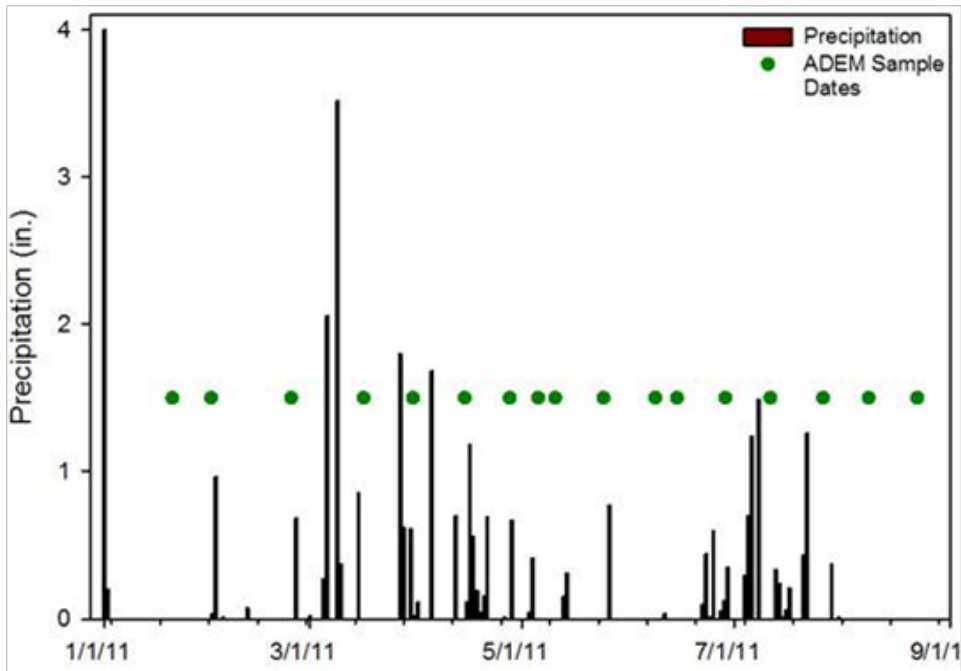


Figure 75. Precipitation Measured in Jasper, AL – January 2011 – August 2011

Monthly rainfall totals at the three mining sites ranged from a low of 1.35 inches in May at Surface Mine No. 1 to a high of 10.40 inches at Surface Mine No. 1 in April. Precipitation amounts reported at the three locations and the weather station in Jasper are similar. Significant rain events occurred in April and July. Field crews reported that the gauge deployed at Surface

Mine No. 1 appeared to be clogged when it was retrieved in September following the study period. However, it is unknown when the blockage occurred or whether it affected the recorded rainfall values.

Precipitation records were not available for the Jasper, Alabama precipitation station during the latter part of 2012 and early 2013. Therefore, the precipitation record for the station at Addison, Alabama was used for the period from November 2012 through February 2013. The following figure shows daily precipitation totals and the dates on which water quality samples were collected.

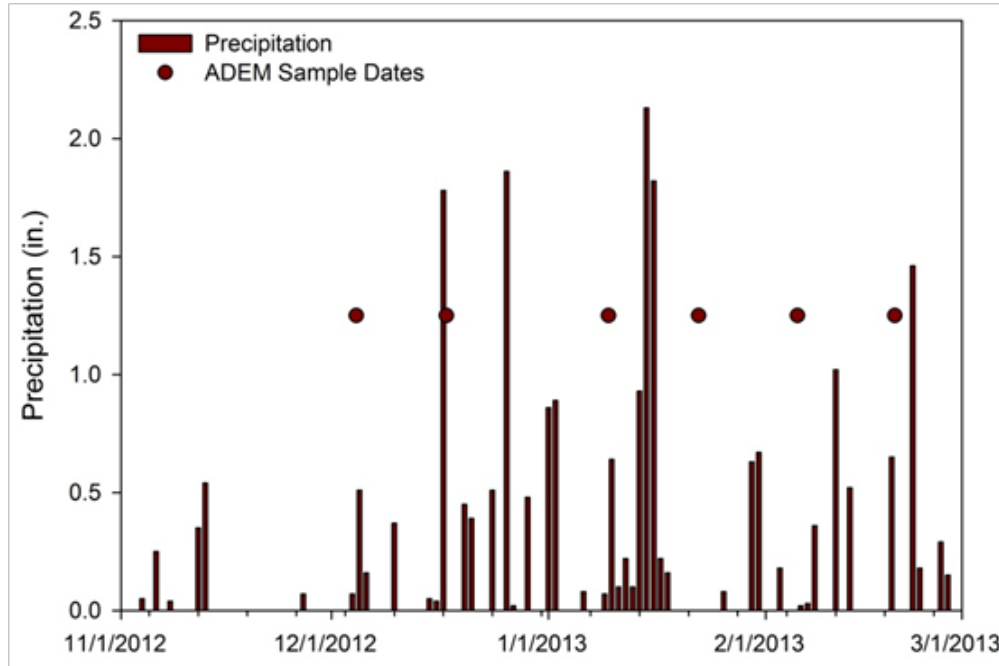


Figure 76. Precipitation Measured in Addison, AL – November 2012 – February 2013

To evaluate the effect of rain events on instream TSS, flow, and turbidity, these parameters were plotted along with recorded precipitation for each treatment pond outfall and the associated upstream and downstream stations. The results are shown in Figures 77 through 93.

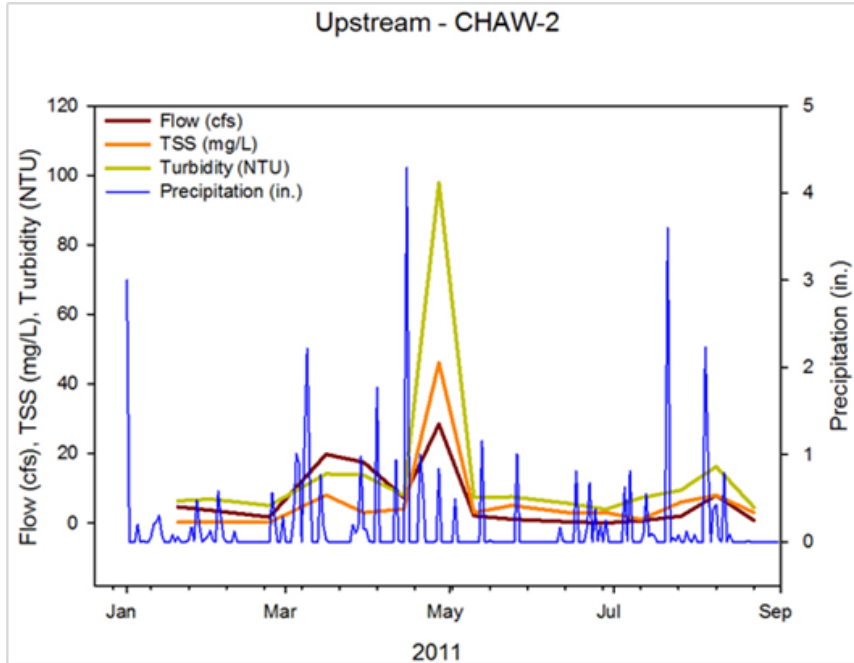


Figure 77. Flow, TSS, Turbidity Upstream of Manchester Facility Outfall (BWMW-21)

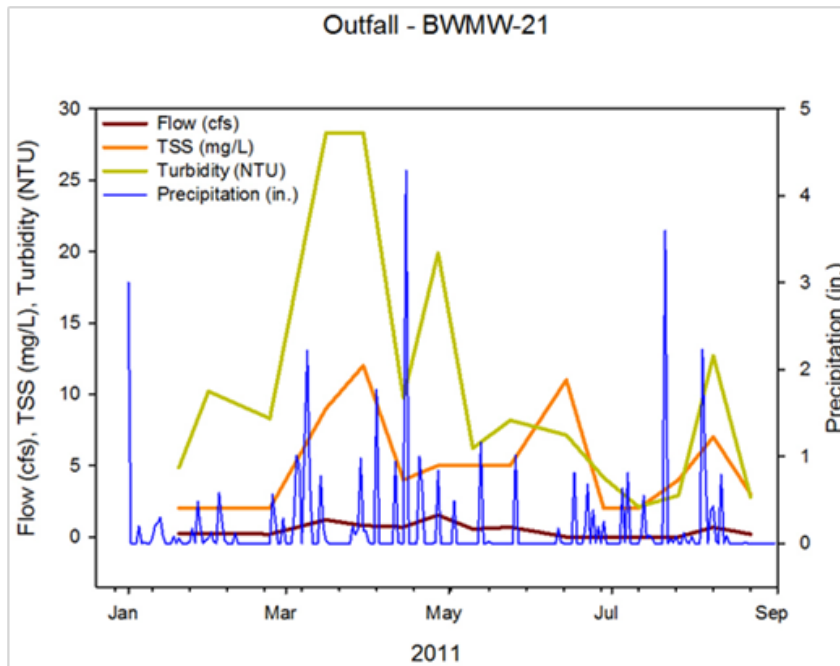


Figure 78. Flow, TSS, Turbidity in the Manchester Facility Outfall (BWMW-21)

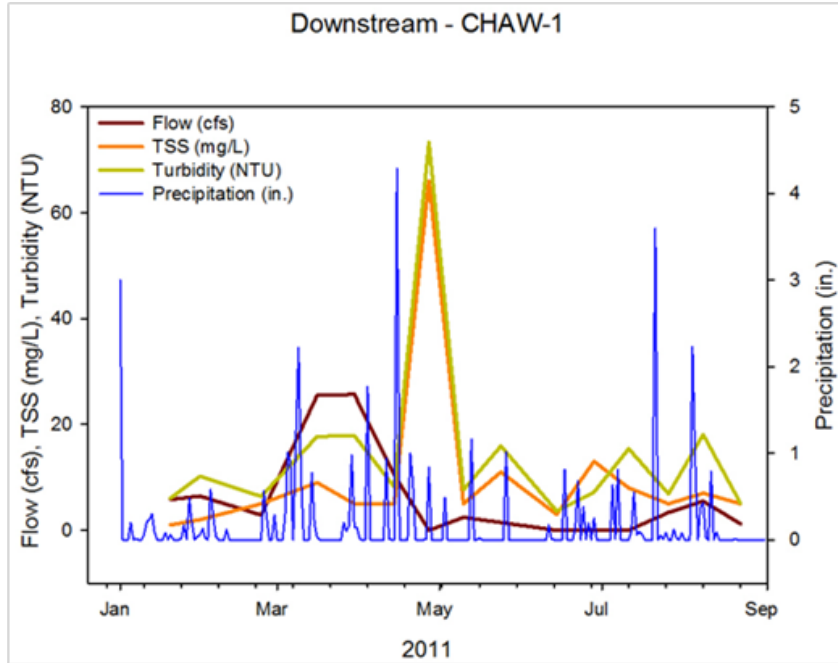


Figure 79. Flow, TSS, Turbidity Downstream of Manchester Facility Outfall (BWMW-21)

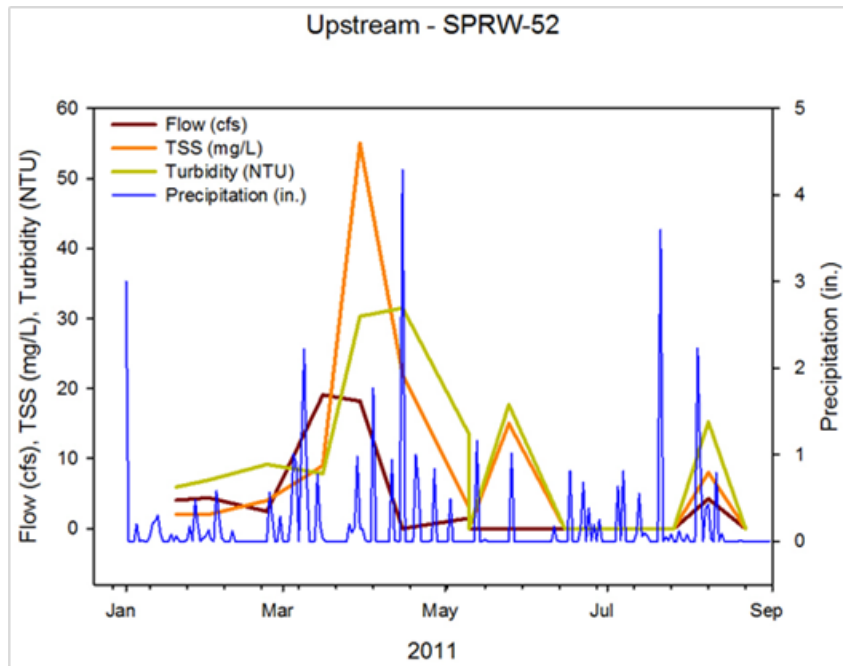


Figure 80. Flow, TSS, Turbidity Upstream of Manchester Facility Outfall (BWMW-36)

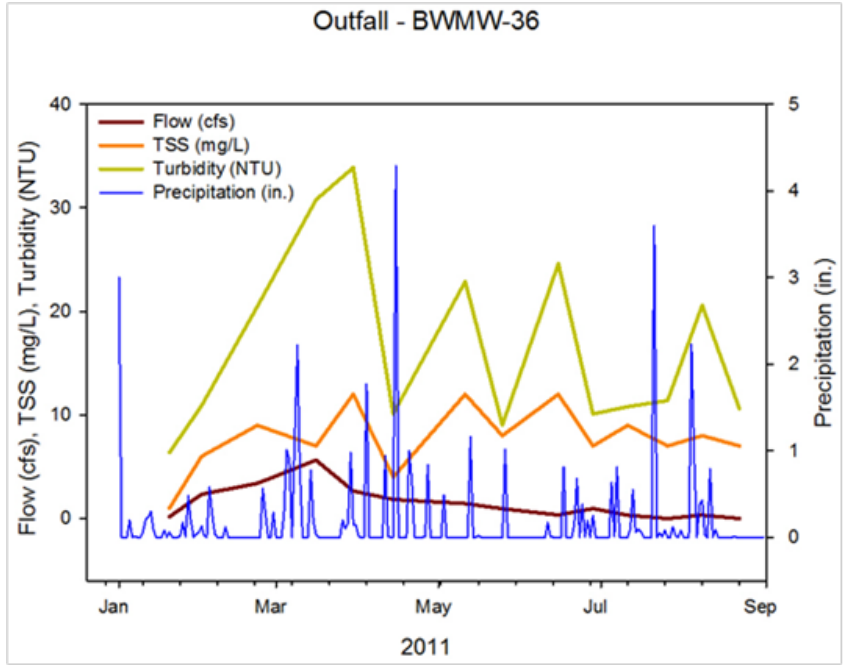


Figure 81. Flow, TSS, Turbidity in the Manchester Facility Outfall (BMWW-36)

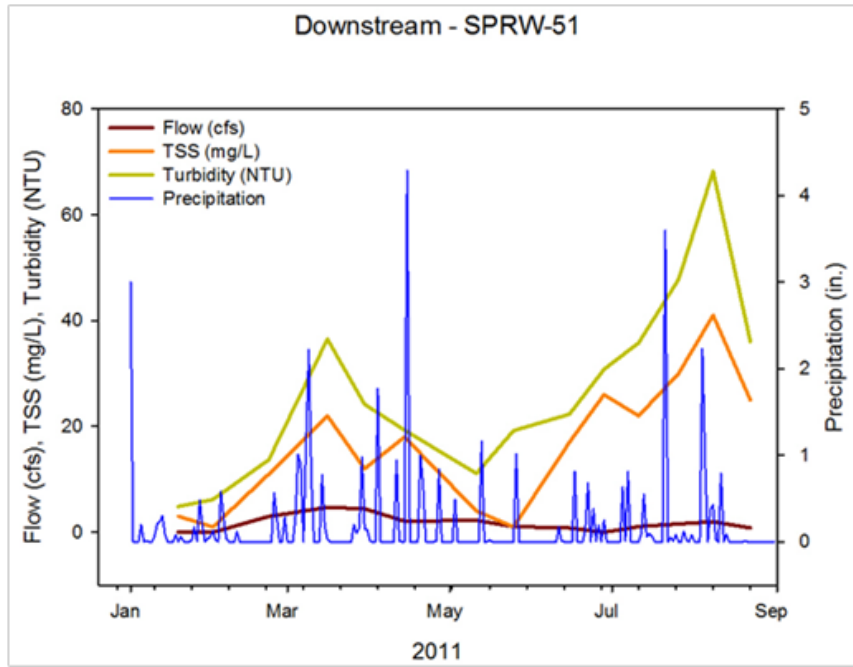


Figure 82. Flow, TSS, Turbidity Downstream of Manchester Facility Outfall (BMWW-36)

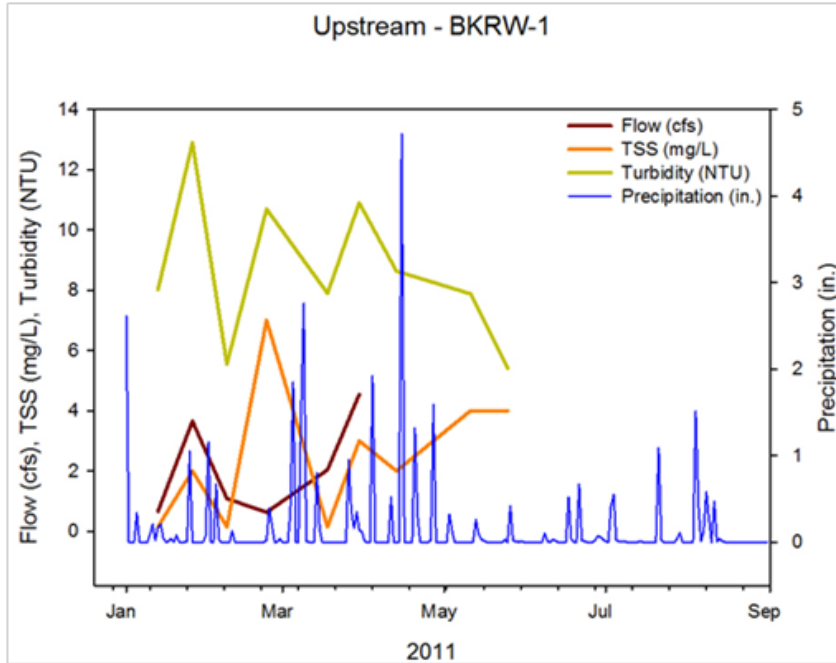


Figure 83. Flow, TSS, Turbidity Upstream of Surface Mine #1 Facility Outfall (DRMW-3)

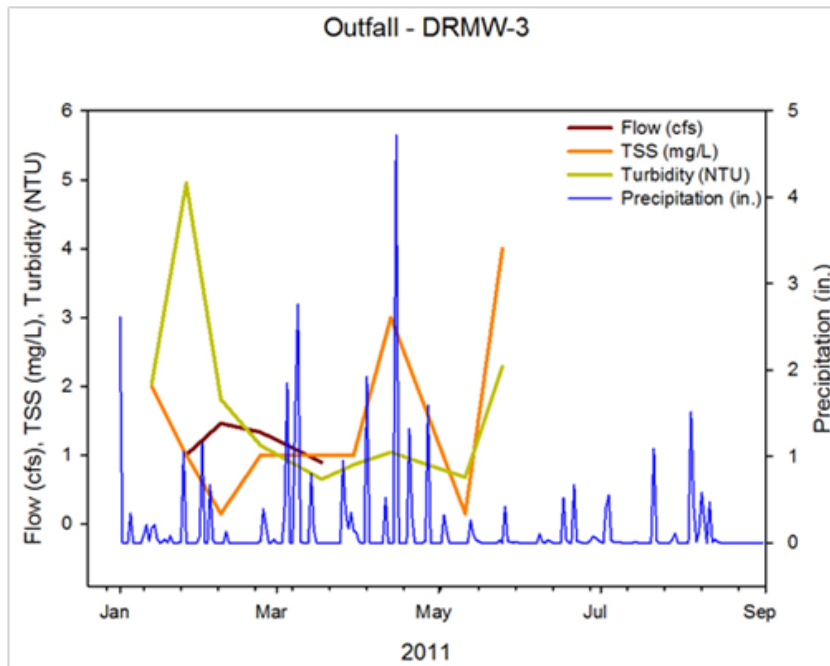


Figure 84. Flow, TSS, Turbidity in the Surface Mine #1 Facility Outfall (DRMW-3)

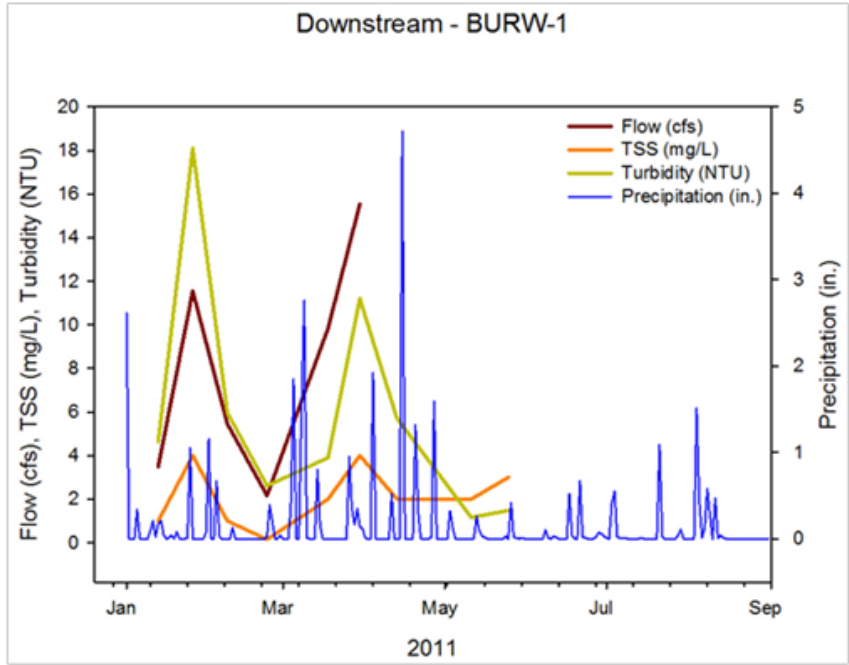


Figure 85. Flow, TSS, Turbidity Downstream of Surface Mine #1 Facility Outfall (DRMW-3)

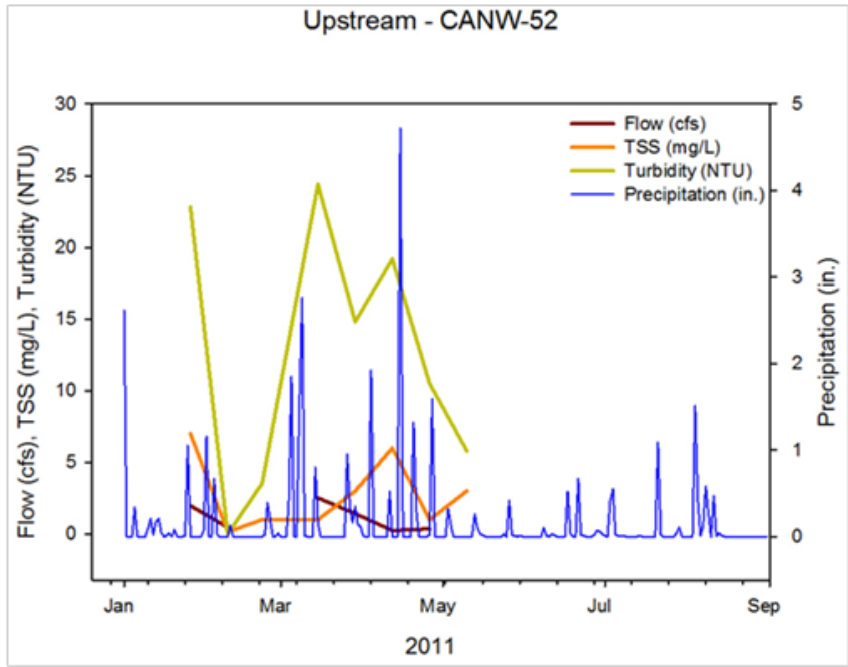


Figure 86. Flow, TSS, Turbidity Upstream of Surface Mine #1 Facility Outfall (DRMW-12)

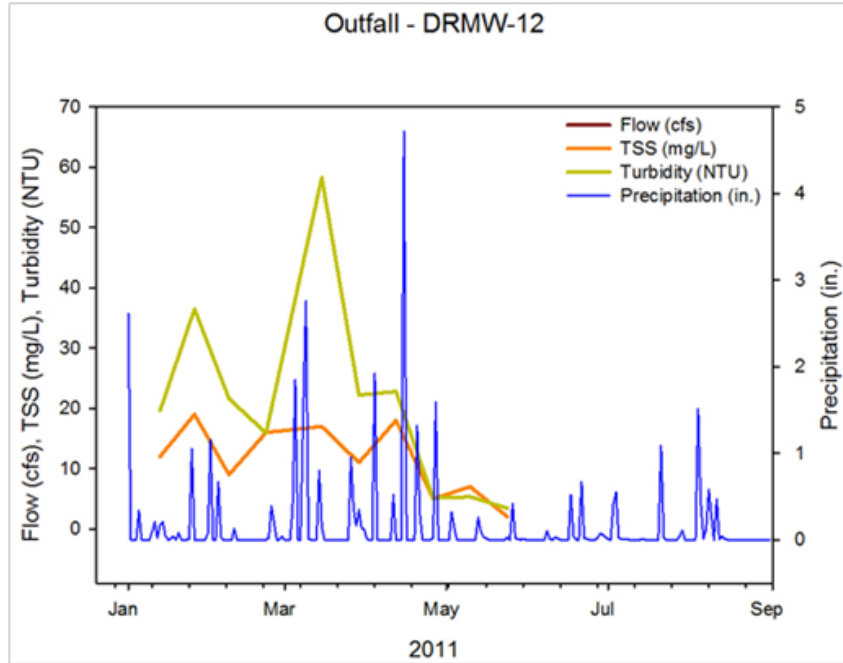


Figure 87. Flow, TSS, Turbidity in the Surface Mine #1 Facility Outfall (DRMW-12)

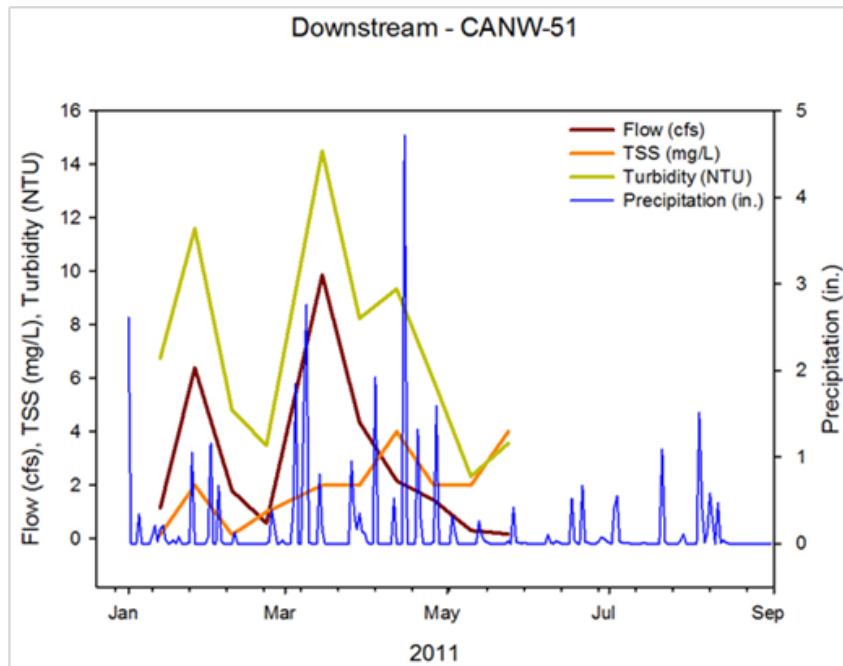


Figure 88. Flow, TSS, Turbidity Downstream of Surface Mine #1 Facility Outfall (DRMW-12)

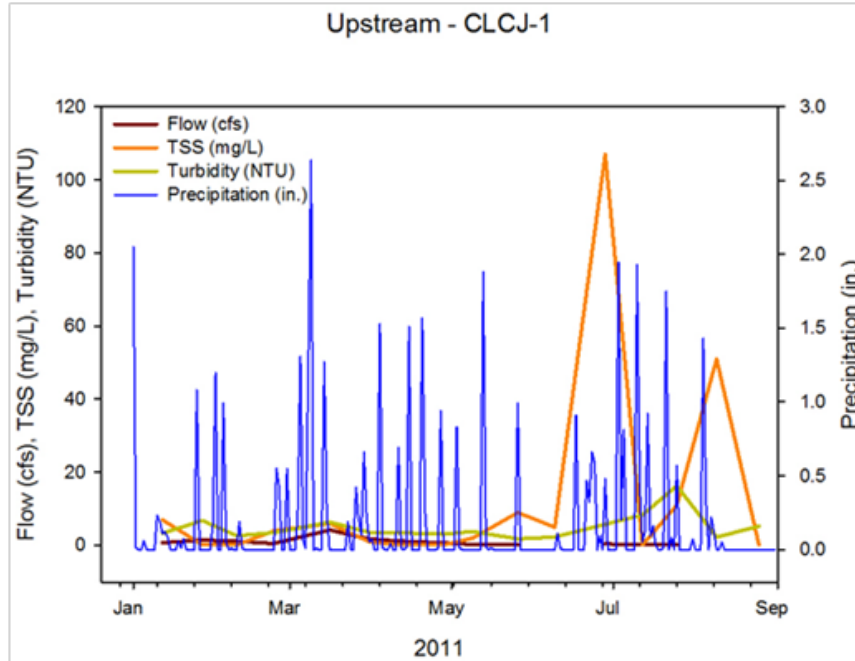


Figure 89. Flow, TSS, Turbidity Upstream of Praco Mine Facility Outfall (CHMJ-47)

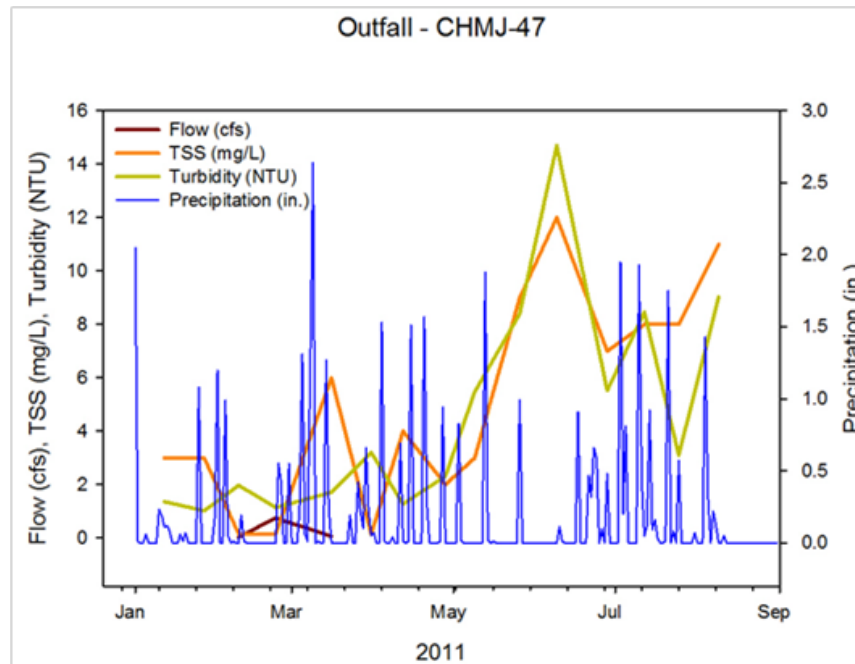


Figure 90. Flow, TSS, Turbidity in the Praco Mine Facility Outfall (CHMJ-47)

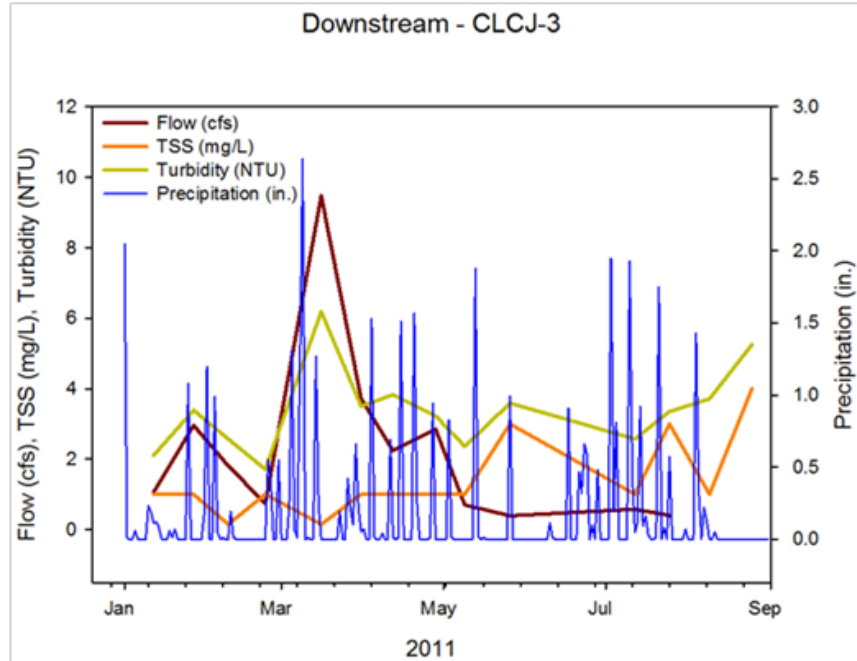


Figure 91. Flow, TSS, Turbidity Downstream of Praco Mine Facility Outfall and Upstream of the Maxine-Pratt Facility Outfall (CHMJ-47, WIMJ-1)

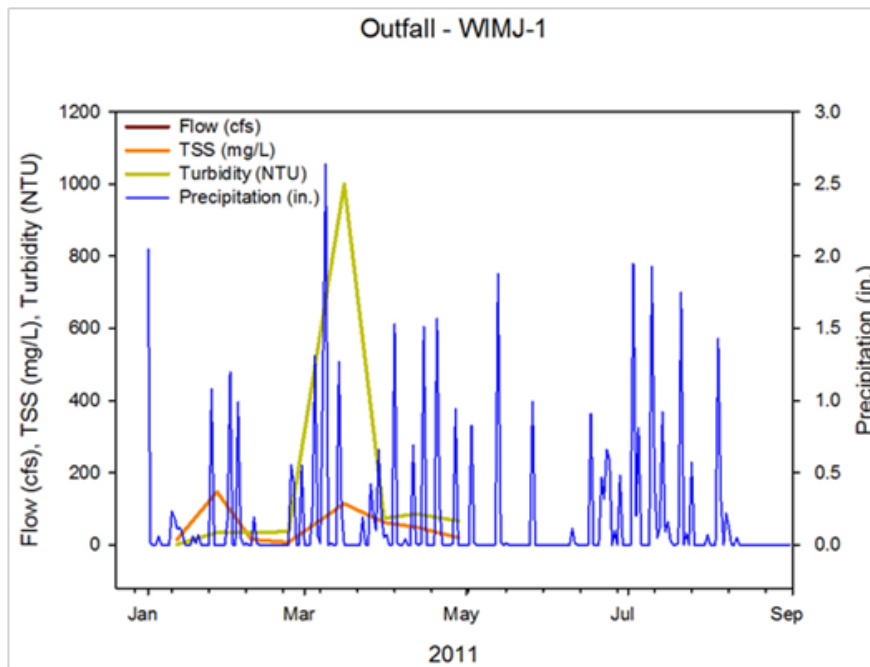


Figure 92. Flow, TSS, Turbidity in the Maxine-Pratt Mine Facility Outfall (WIMJ-1)

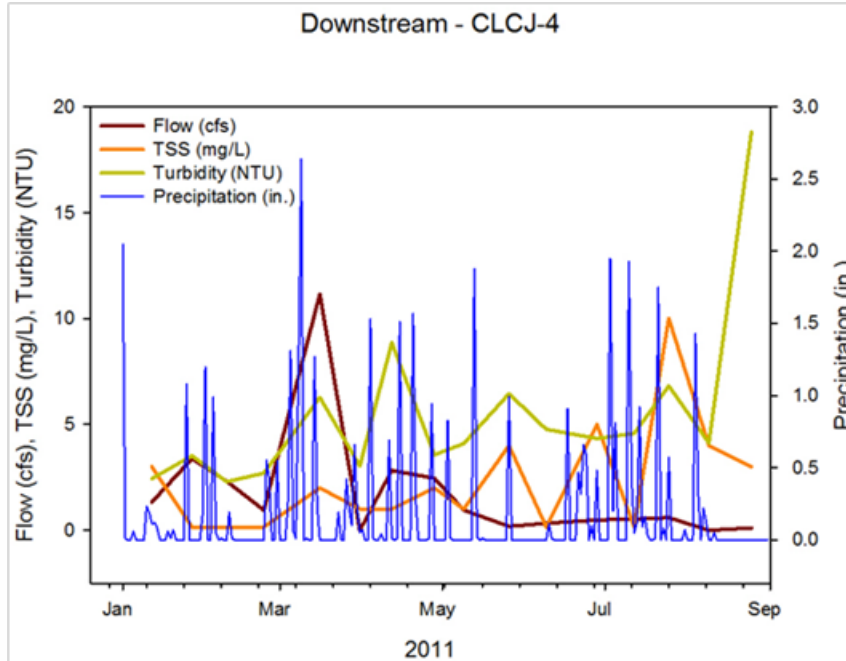


Figure 93. Flow, TSS, Turbidity Downstream of the Maxine-Pratt Mine Facility Outfall (WIMJ-1)

Turbidity and TSS increased at most locations in response to rain events. However, the magnitude of the increase varied across locations and across rain events. In some cases, TSS and turbidity increases in discharges from treatment ponds were less than at the upstream station. One notable pattern is evident in the figures above. The magnitude of the increase in TSS and turbidity in response to rain events was larger in outfalls of recently constructed treatment ponds. This is not unexpected since these ponds and the upstream watershed are in the early stage of soil stabilization and vegetation growth. This was particularly evident at the newly constructed treatment pond at the Maxine-Pratt Mine on Coal Creek (WIMJ-1) and at the recently completed treatment pond at Surface Mine No. 1 on Cane Creek (DRMW-12). In each of these cases, turbidity declined with subsequent rain events as soil became stabilized and vegetation became more established. Also, in each of these cases, downstream turbidity levels did not exceed 50 NTUs above background levels, and therefore, did not exceed the water quality criterion for turbidity.

D. Sediment Analysis

Sediment samples were taken twice at each stream station during the study period. These samples were analyzed, and several common coal mining metals were detected. Table 20 below shows the average metal concentration in the two sediment samples collected at each stream station. The complete sediment dataset can be found in Appendix A.

Table 20. Sediment Analysis – Average Metal Concentration*

	Ag (µg/g)	As (µg/g)	Cd (µg/g)	Cr (µg/g)	Cu (µg/g)	Hg (µg/g)	Ni (µg/g)	Pb (µg/g)	Sb (µg/g)	Zn (µg/g)
<i>EPA Screening Value</i>	<i>2</i>	<i>7.24</i>	<i>1</i>	<i>52.3</i>	<i>18.7</i>	<i>0.13</i>	<i>15.9</i>	<i>30.2</i>	<i>12</i>	<i>124</i>
BERT-4	0.00075	5.61	0.032	15.9	6.30	0.002	11.4	5.15	0.184	20.7
BRSL-3	0.00075	0.545	0.020	0.895	0.671	0.002	1.45	1.13	NM	37.7
INMW-1	0.00075	1.93	0.023	5.51	1.61	0.002	5.76	3.13	NM	42.9
BKRW-1	0.015	6.91	0.032	11.6	14.2	0.002	18.5	10.9	0.098	32.0
BURW-1	0.003	11.9	0.048	22.3	16.2	0.002	18.3	12.4	0.360	44.7
CANW-51	0.002	13.3	0.080	28.2	17.2	0.002	35.2	23.4	0.360	54.4
CANW-52	No Data – Bedrock Stream Bottom									
CHAW-1	0.002	0.63	0.028	1.30	0.89	0.002	3.57	1.68	NM	36.0
CHAW-2	0.00075	1.40	0.056	4.97	5.51	0.002	13.7	4.10	NM	56.6
CLCJ-1	0.002	4.46	0.070	11.3	8.35	0.002	25.2	3.00	0.219	27.4
CLCJ-3	0.00075	6.56	0.119	11.7	9.20	0.002	23.0	6.84	0.400	32.5
CLCJ-4	0.002	4.23	0.111	12.4	8.34	0.002	30.3	3.60	0.204	40.1
SPRW-51	0.011	11.7	0.095	22.9	17.5	0.002	42.1	4.44	NM	94.4
SPRW-52	0.00075	1.12	0.049	2.53	2.15	0.002	8.05	2.86	NM	43.0

* - When concentrations were reported as less than the Method Detection Limit (MDL), 50% of the MDL was used to calculate the average concentration. Shaded values are elevated relative to ecoregional reference values.

NM -Not measured

Elevated arsenic and nickel concentrations (compared to concentrations at ecoregional reference stations) occurred in sediment samples collected in Burton Creek, Cane Creek, and Spring Creek. Elevated nickel concentrations also occurred at all three stations on Coal Creek. In each case, the elevated levels occurred at stations located downstream of treatment pond outfalls. However, only one of the treatment pond outfalls (DRMW-12) exhibited an elevated average total arsenic level, and only one outfall (BWMW-36) had an elevated average total nickel concentration.

E. Macroinvertebrate Community Assessments

Macroinvertebrate community analyses were performed in May throughout the study area, and ADEM collection and analysis protocols were followed to determine the WMB-I assessment scores. The individual metric results from which the assessment scores were calculated can be found in Appendix A. These WMB-I scores were used to evaluate the relative structure and condition of macroinvertebrate communities in each receiving stream within the study. The WMB-I score and qualitative rating for each station sampled is shown in Table 21 below.

Table 21. Macroinvertebrate Community Assessment Scores

Facility Outfall ID	Station ID	Location Relative to Outfall	WMB-I Score	Macroinvertebrate Rating	Habitat Rating
DRMW-3	BKRW-1	Upstream	41	Poor	Optimal
DRMW-3	BURW-1	Downstream	43	Poor	Optimal
DRMW-12	CANW-52	Upstream	18	Very Poor	Sub Optimal
DRMW-12	CANW-51	Downstream	40	Poor	Optimal
BWMW-36	SPRW-52	Upstream	47	Fair	Sub Optimal
BWMW-36	SPRW-51	Downstream	25	Very Poor	Sub Optimal
BWMW-21	CHAW-2	Upstream	64	Good	Sub Optimal
BWMW-21	CHAW-1	Downstream	40	Fair	Optimal
CHMJ-47/WIMJ-1	CLCJ-1	Upstream	45	Poor	Optimal
CHMJ-47/WIMJ-1	CLCJ-3	Downstream	34	Poor	Sub Optimal
CHMJ-47/WIMJ-1	CLCJ-4	Downstream	39	Poor	Sub Optimal
Eco-Reference	BERT-4		46	Poor	Optimal
Eco-Reference	BRSL-3		68	Fair	Optimal
Eco-Reference	INMW-1		75	Fair	Optimal

The macroinvertebrate community assessment results provide an indication of the health of aquatic communities in streams near surface coal mining sites. However, the assessment results, by themselves, do not clearly indicate that surface mining activities at these sites are the primary influence on the health of aquatic communities. In some cases, macroinvertebrate communities were rated “Poor” at stations upstream and downstream of facility outfalls. In these cases, it is likely that available habitat and/or hydrology has a significant influence on aquatic communities. Of the three ecological reference stations included in the study, one received a “Poor” macroinvertebrate assessment rating and the other two received “Fair” assessment ratings. Since habitat was assessed as “Optimal” at each ecological reference station, it is likely that drought or some other hydrologic or habitat factor influenced the assessments at these stations. Habitat composition and assessment results are included in Appendix A.

F. Whole Effluent Toxicity (WET) Test Analysis

Whole Effluent Toxicity (WET) tests were performed using samples from active outfalls at two surface mining facilities. The WET tests provide an estimate of the degree to which treatment pond effluent may be harmful to aquatic life and the instream waste concentration at which impacts to the aquatic community can be expected. Composite samples were collected in early April 2011 (April 5 – 9) for use in the *Pimephales promelas* (Fathead minnow) test, and early May (May 2 – 6) for the *Ceriodaphnia dubia* (Water flea) test. Test data was analyzed using the USEPA methods 1002.0 and 1000.0 and the IC25 endpoints were calculated for growth/biomass and reproduction of the organisms. (USEPA, 2002) The IC25 concentration is the toxicant concentration (expressed as percent effluent) that would cause a 25% reduction in the

growth/biomass or reproduction of the test organisms. Table 22 below displays the results as percent effluent.

Table 22. Whole Effluent Toxicity Tests Results

	IC25 (% effluent)	
	C.dubia	P.promelas
DRMW-3	>100%	>100%
DRMW-12	>100%	>100%
BWMW-21	65%	>100%
BWMW-36	56%	>100%

Only outfalls BWMW-21 and BWMW-36 exhibited toxicity effects at effluent concentrations of less than 100%. The IC25 concentration for *C. dubia* (water flea) was 65% at outfall BWMW-21. The effluent samples for this test were collected between May 2 and May 6, 2011. The effluent concentration in Charlies Creek during this time period was approximately 15.5% based on flow measurements at station CHAW-2 upstream of the outfall and at station BWMW-21 (pond outfall). During the eight month study period the maximum calculated effluent concentration in Charlies Creek was 38.8%, well below the IC25 concentration. At outfall BWMW-36 the IC25 concentration for *C. dubia* was 56% based on the samples collected at this outfall between May 2 and May 6, 2011. The upstream station for this outfall is located on Spring Creek and not on the unnamed tributary receiving the effluent from the treatment pond. However, an approximate instream waste concentration (IWC) in the unnamed tributary can be determined using the measured flow at station SPRW-51 located downstream of the outfall on the unnamed tributary. Using this approach, the IWC in the unnamed tributary was approximately 100% and the concentration after mixing with Spring Creek was approximately 52%. The measured IWC in the unnamed tributary ranged from approximately 100% to 15.6% based on available flow measurements.

Discussion

Water quality data collected during this study has been analyzed to evaluate the effects surface coal mining may have on water quality in wadeable streams receiving runoff from surface coal mining areas, including effects on aquatic communities. Three types of data were collected during this study: 1) Water Quality (WQ) data (chemical analysis); 2) Whole Effluent Toxicology & Macroinvertebrate community assessment (biological analysis); 3) Physical Characterization & Habitat Assessment (human observation). Using the results obtained for each of these datasets three specific effects were examined:

- A. Changes in water quality from upstream to downstream of treatment pond outfalls
- B. Changes in water quality between active and reclamation phases of surface mining
- C. Changes in habitat quality as the size of the disturbed area draining to individual treatment ponds increases.

A. Upstream to downstream effect:

Conductivity was measured at stations upstream and downstream from the permitted mining outfalls. In four of the six outfalls included in the study, the conductivity increased from upstream to downstream. Three of these four were determined to be statistically significant increases. At the fourth facility the increase in conductivity was determined to be insignificant due to elevated upstream conductivity levels. The elevated upstream conductivity at this location is likely the result of surface mining activity upstream of the station. Therefore, the change from upstream to downstream was minimized. The Praco Mine, which was not actively mining at the time of the study but still had coal stored on site, also showed no increase in conductivity. This might also be attributed to the fact that the conductivity at the upstream sampling station was potentially affected by upstream mining activity.

Table 23. Effect on Downstream Conductivity

Outfall	Percent Change	p-value¹
DRMW-12	199.86%	0.002
DRMW-3	496.09%	0.002
BWMW-36	1841.95%	0.000
² BWMW-21	42.93%	0.085
² CHMJ-47	-34.76%	0.094
³ WIMJ-1	-0.78%	0.485

¹ p-value <0.05 indicated significant change from upstream to downstream.

² Stream flows adjacent to mining facility prior to “upstream” station.

³ The recently constructed settling pond may have influenced the results.

Table 23 shows that surface coal mining activity can result in an increase in conductivity values in receiving streams. Conductivity measurements at stations upstream and downstream of outfalls BWMW-21 and CHMJ-47 also demonstrate that surface coal mining activity upstream of permitted facilities can affect conductivity at the downstream facility.

Coal Creek Watershed

Charlie's Creek Watershed

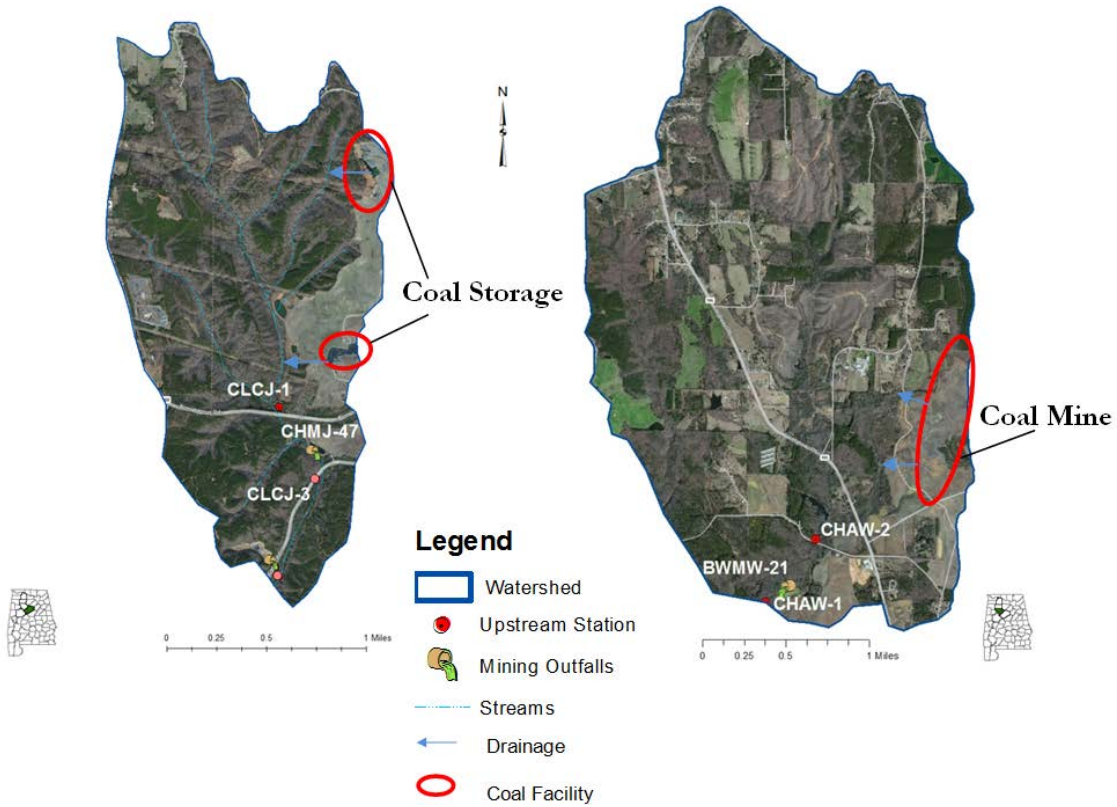


Figure 94. Coal mining activity upstream from sample location

The upstream to downstream change in water sample metals concentration was also evaluated and results for one or more metals increased at 32% of the downstream locations. For the measurement results that indicated an increase in concentration downstream of the treatment pond outfall, 20% were significant ($p < 0.05$) at a 95% confidence level. It is important to note that some of the “upstream” stations were not upstream of all mining activity in the watershed even though the watersheds were all relatively small. In addition, it is important to note that there were no water quality criteria exceedances for hardness-dependent metals at any of the stream stations, as noted in Table 16.

B. Water Quality Impacts at Active and Reclaimed Facilities

Three of the six outfalls in our study were no longer receiving runoff from active mining areas (CHMJ-47, BMWW-21, DRMW-12) and the remaining three outfalls were receiving runoff from areas being actively mined (BMWW-36, WIMJ-1, DRMW-3). All six outfalls are included in active permits from both the ASMC and ADEM. Seven water quality parameters associated with coal mining were analyzed at each of these six outfalls to determine if changes in water quality occur as mining areas move from the active mining phase into reclamation. A population analysis was performed to determine if there was a statistically significant difference between the concentration means measured at outfalls in reclaimed areas versus outfalls in active mining areas. The results are presented in the figures below.

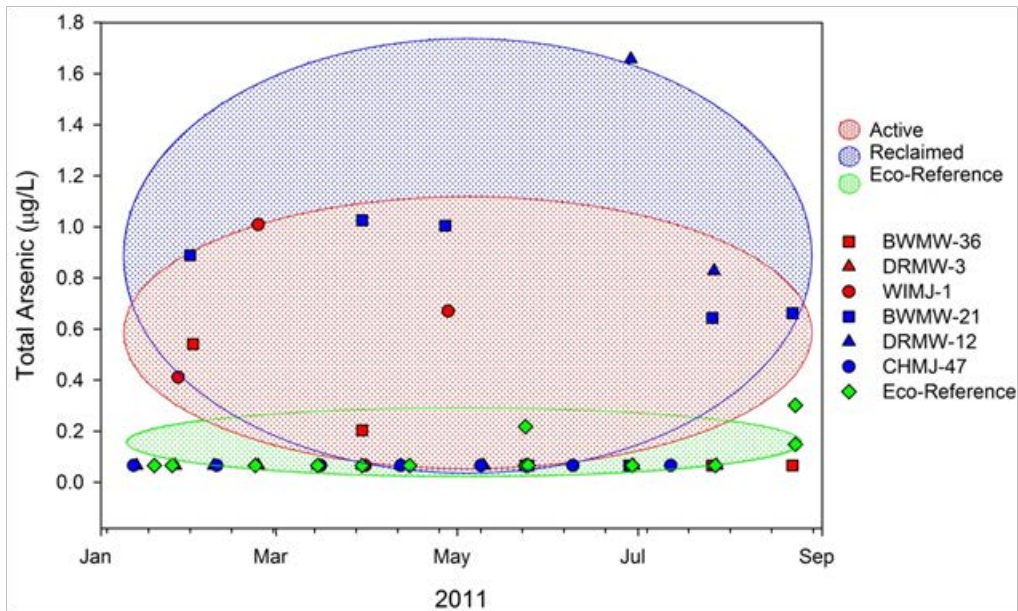


Figure 95. Total Arsenic Population Analysis: January – August 2011

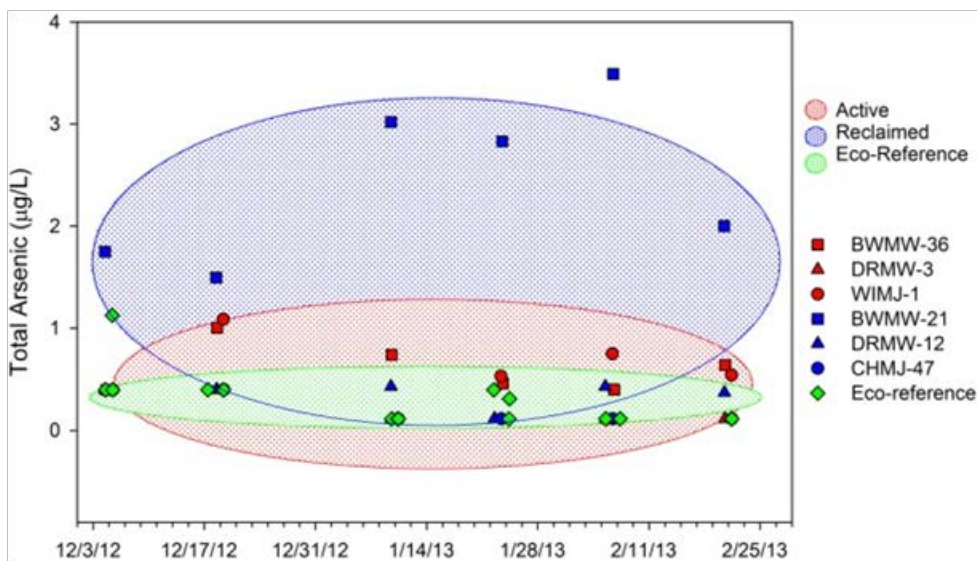


Figure 96. Total Arsenic Population Analysis: December 2012 – February 2013

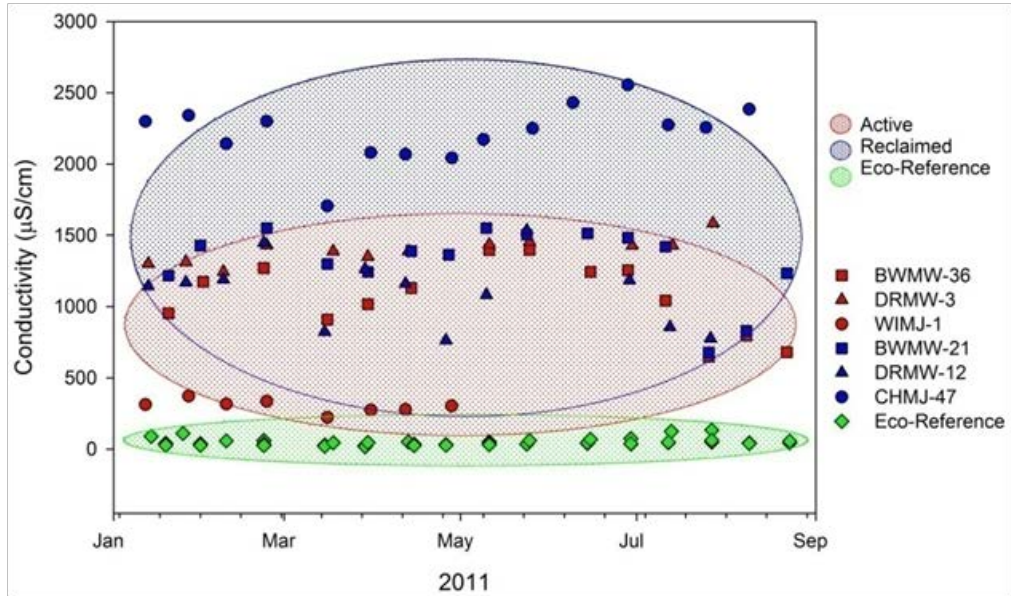


Figure 97. Conductivity Population Analysis: January 2011 – August 2011

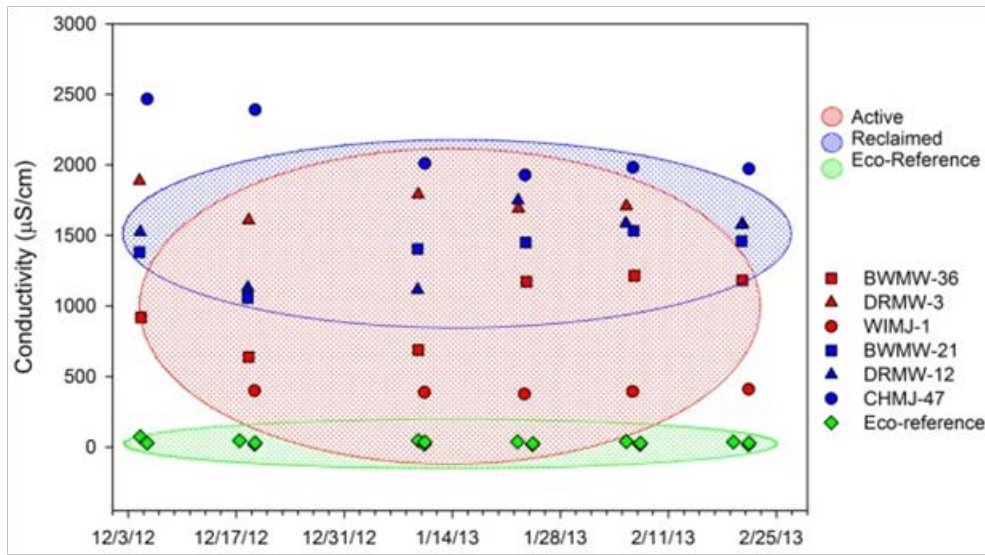


Figure 98. Conductivity Population Analysis: December 2012 – February 2013

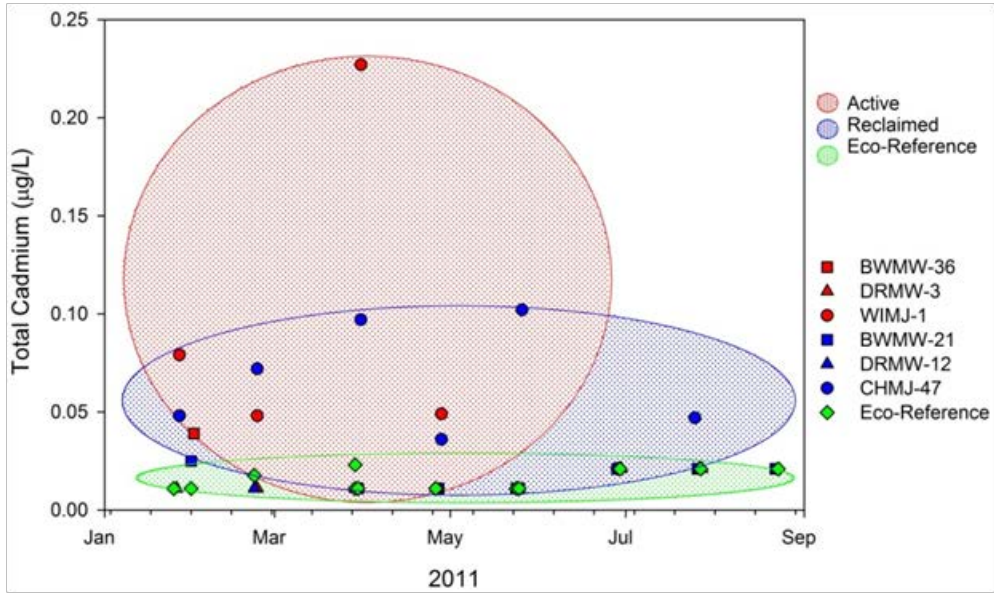


Figure 99. Total Cadmium Population Analysis: January 2011 – August 2011

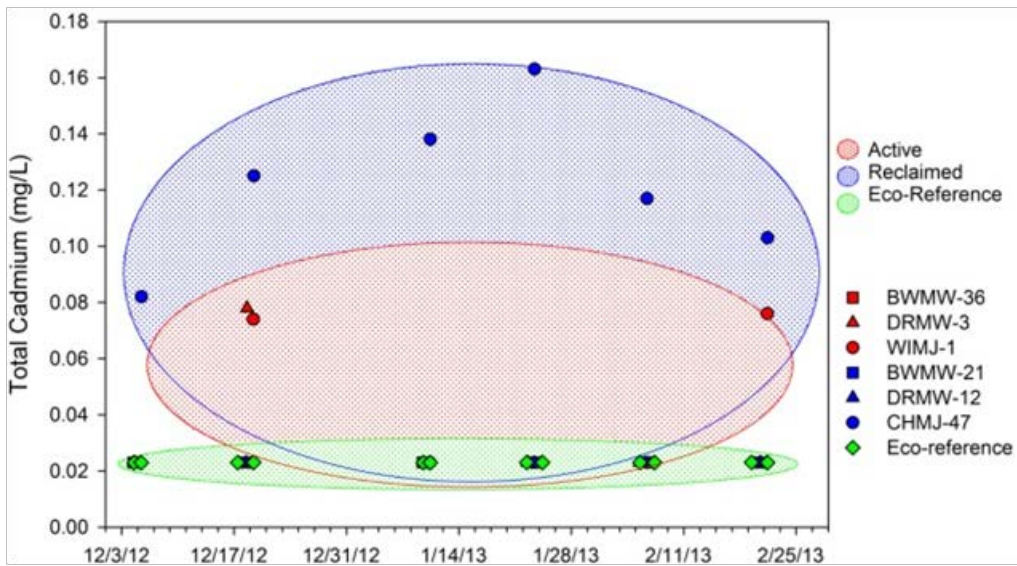


Figure 100. Total Cadmium Population Analysis: December 2012 – February 2013

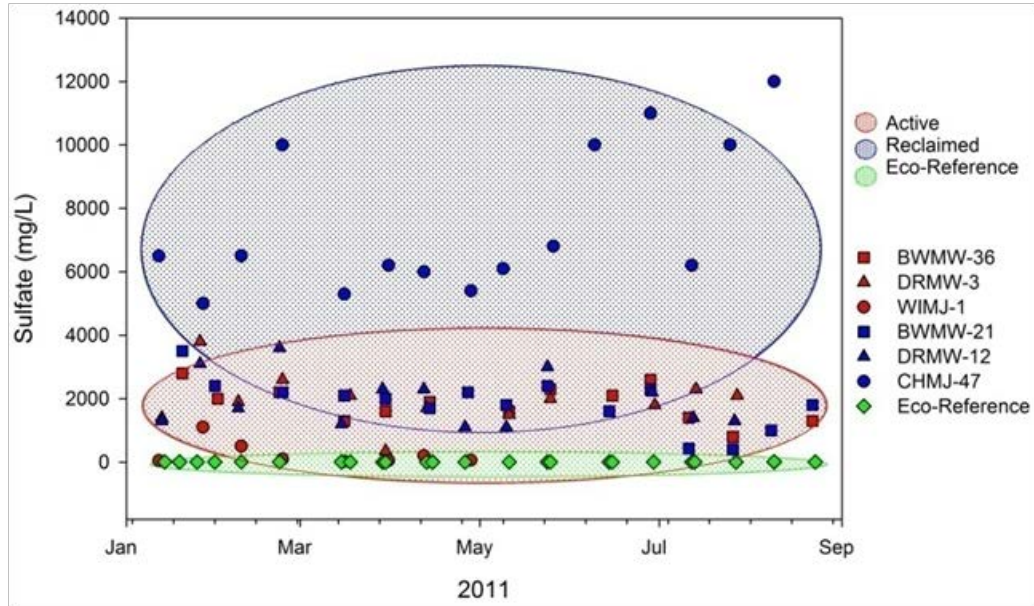


Figure 101. Sulfate Population Analysis: January 2011 – August 2011

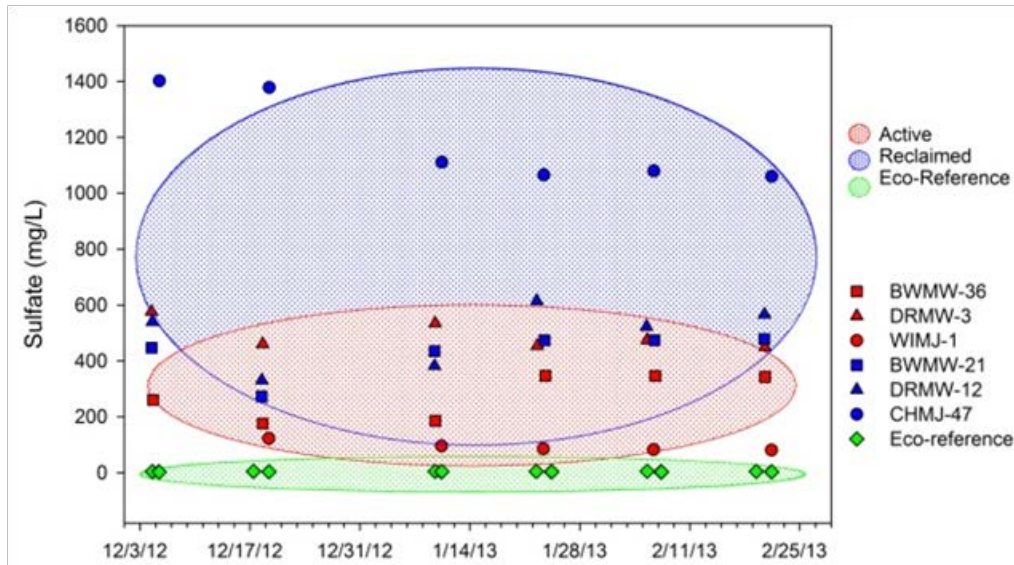


Figure 102. Sulfate Population Analysis: December 2012 – February 2013

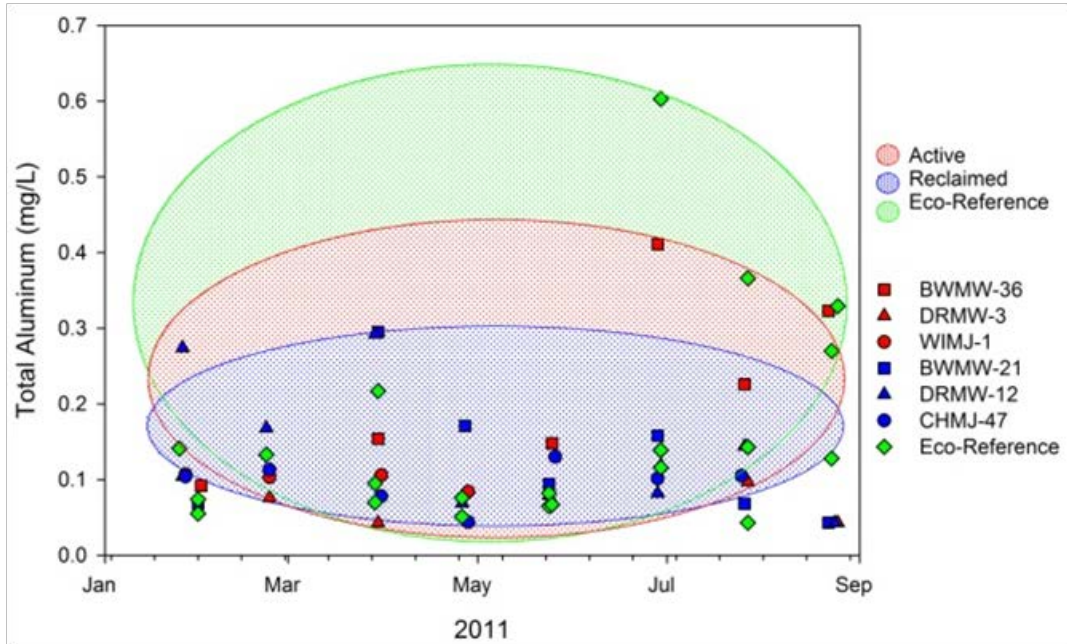


Figure 103. Total Aluminum Population Analysis: January 2011 – August 2011

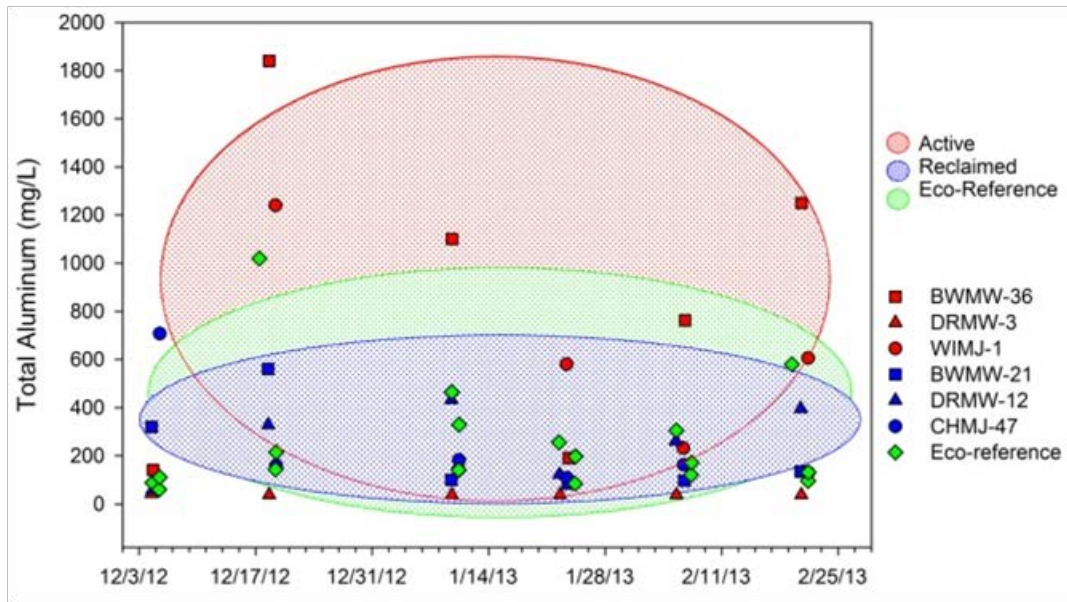


Figure 104. Total Aluminum Population Analysis: December 2012 – February 2013

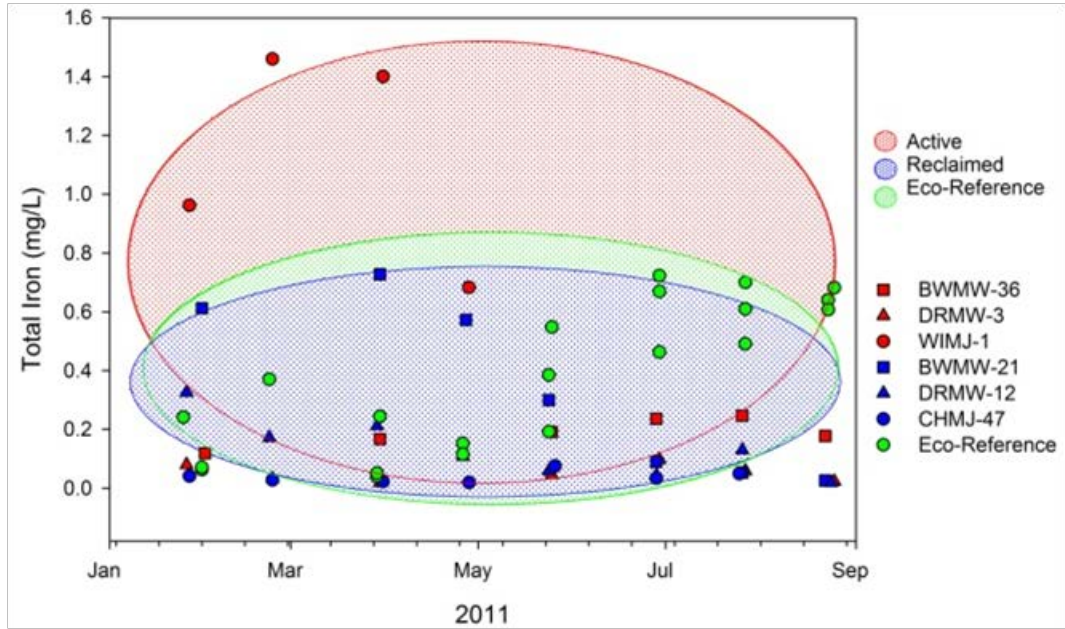


Figure 105. Total Iron Population Analysis: January 2011 – August 2011

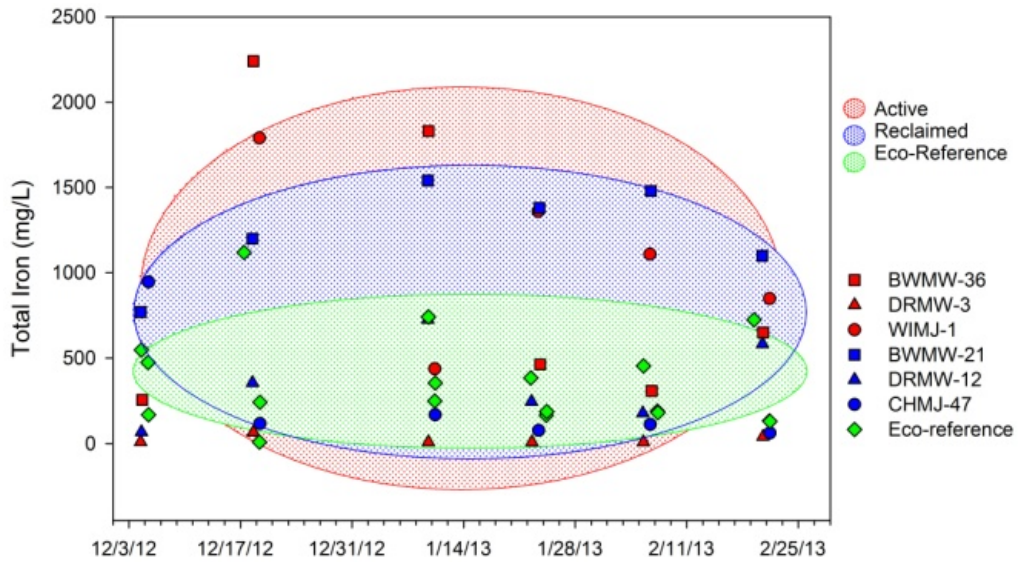


Figure 106. Total Iron Population Analysis: December 2012 – February 2013

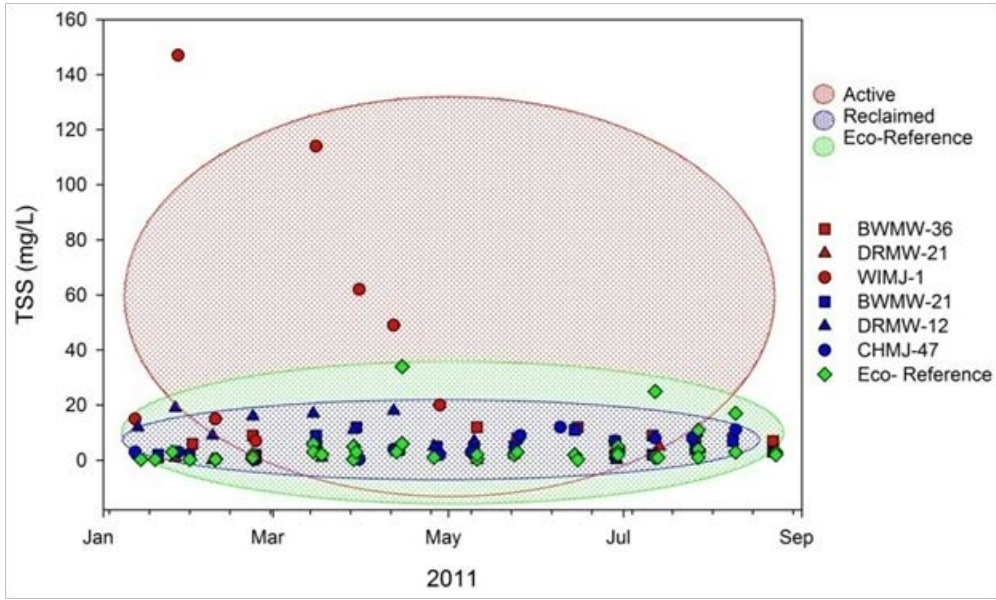


Figure 107. TSS Population Analysis: January 2011 – August 2011

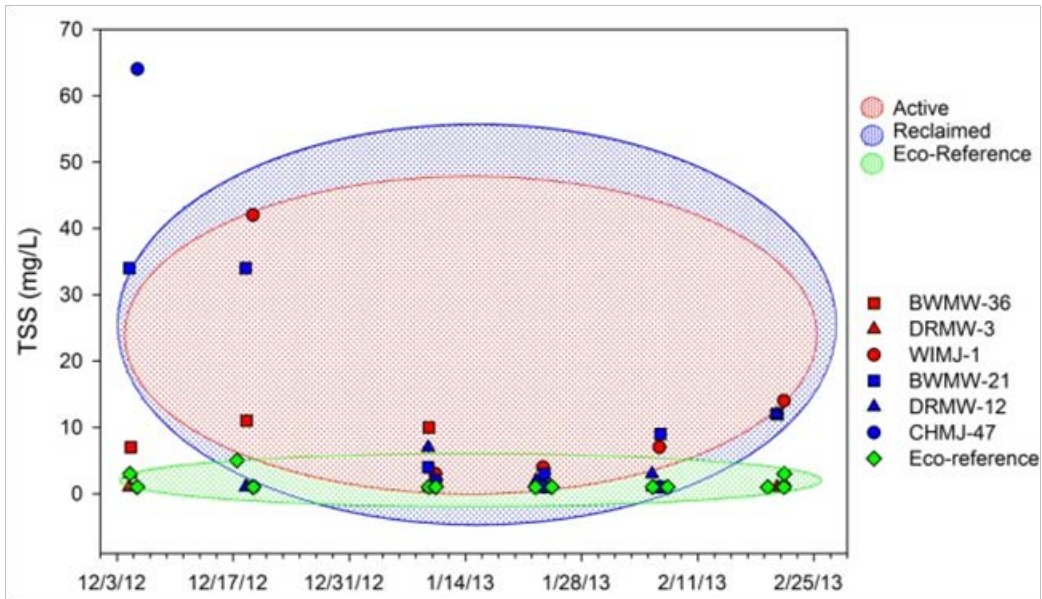


Figure 108. TSS Population Analysis: December 2012 – February 2013

Table 24. Active vs. Reclaimed Population Analysis (Mean Concentrations)

Parameter	Active	Reclaimed	p-value ¹
Conductivity (µS/cm)	1053.84	1580.03	1.06E-08
TSS (mg/L)	12.881	7.654	0.086
Total Iron (mg/L)	512.65	370.25	0.138
Sulfate (mg/L)	1185.26	2896.27	2.19E-05
Total Arsenic (µg/L)	0.339	0.666	0.017
Total Aluminum (mg/L)	353.25	175.6	0.022
Total Cadmium (µg/L)	0.0348	0.0417	0.233
Dissolved Arsenic (µg/L)	0.3022	0.7692	0.0796
Total Selenium (µg/L)	0.9260	0.7297	0.0362
Total Nitrogen (mg/L)	6.4116	2.9817	6.67E-05
Total Phosphorus (mg/L)	0.0211	0.0161	0.188

¹p-value <0.05 indicated significant change (shown in bold).

Ellipses were drawn around each data set [population], and a student *t*-test was performed to determine if there was statistical difference between selected water quality parameters measured in discharges from treatment ponds receiving runoff from active surface mining sites versus the same water quality parameters measured in discharges from treatment ponds receiving runoff from areas where reclamation had been completed. Figures 95 through 108 and Table 24 indicate that for certain water quality parameters (dissolved arsenic, total suspended solids, total iron, total cadmium, total phosphorus) there was not a significant difference in mean concentrations in outfalls from active and reclaimed mining areas. However, for parameters such as total arsenic, total aluminum, total selenium, total nitrogen, conductivity, and sulfate there was a statistically significant difference in mean concentrations. Mean concentrations for conductivity, total arsenic, and sulfate increased following reclamation. Mean concentrations for total aluminum, total selenium, and total nitrogen decreased following reclamation. A very important consideration to mention at this point is that some of the differences indicated by the analyses above are due to changes in method detection limits during the study. For example, many (90%) of the total selenium concentrations measured were less than the method detection limit. To facilitate the calculation of population statistics, all calculations utilized 50% of the reported method detection limits. Therefore, any change in method detection limits could be misconstrued as a change in actual concentration.

C. Size of Coal Mine Effect on Habitat Quality

A habitat assessment and physical characterization analysis was performed at each stream station, and these results were coupled with land use information to determine what effect the size of each mining area has on habitat quality. Table 25 presents the results of the habitat assessments conducted at each stream station along with the corresponding macroinvertebrate assessment scores. A combination of ASMC and ADEM surface mining permit information as

well as USGS land use data were used to determine the amount of barren/disturbed land at each of the sites in this study. In Table 26 and Figure 109 below, habitat assessment results are compared to the acres of disturbed land upstream of the sampling location.

Table 25. Habitat Assessment

Station	Habitat Score	Percent Maximum	Qualitative Description	Macroinvertebrate WMB-I Score
CHAW-2	143	65	Sub Optimal	Good
CHAW-1	155	70	Optimal	Fair
SPRW-52	149	68	Sub Optimal	Fair
SPRW-51	152	63	Sub Optimal	Very Poor
BKRW-1	177	74	Optimal	Poor
BURW-1	188	78	Optimal	Poor
CANW-52	165	69	Sub Optimal	Very Poor
CANW-51	169	70	Optimal	Poor
CLCJ-1	171	71	Optimal	Poor
CLCJ-3	165	69	Sub Optimal	Poor
CLCJ-4	166	69	Sub Optimal	Poor
INMW-1	194	81	Optimal	Fair
BRSL-3	183	76	Optimal	Fair
BERT-4	187	78	Optimal	Poor

Table 26. Size of Disturbed Area Effect on Habitat Assessment

Station	Habitat Score	Percent Maximum	Disturbed Acres
SPRW-51	152	63	420.99
CHAW-1	155	70	348.49
CANW-51	169	70	244.19
CLCJ-4	166	69	160.57
BURW-1	188	78	74.95
BKRW-1	177	74	74.95
INMW-1	194	81	0.67
BRSL-3	183	76	0
BERT-4	187	78	0

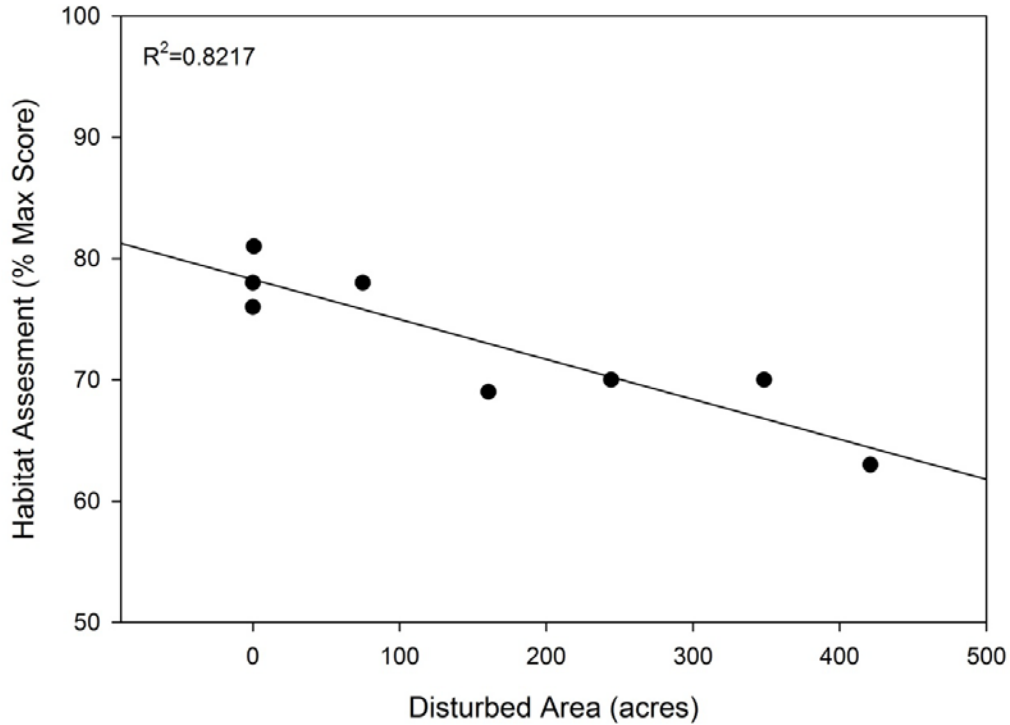


Figure 109. Size effect on Habitat Assessment

Figure 109 illustrates the negative correlation between habitat assessment scores and acres of disturbed land. This strong correlation ($p < 0.001$) indicates that the size of disturbed area at a coal mining facility has a potential direct impact on the instream habitat condition. To address this effect, ASMC permits limit the amount of land that can be actively mined at a given time, and reclamation and re-vegetation of the disturbed parcel is required as soon as practical once mining activity in that area is completed. (ASMC)

D. Biological Results

The results from the biological portion of this study are evaluated along with the chemical and physical data to determine the overall degree to which surface coal mining has the potential to impact aquatic life in wadeable receiving streams. A Whole Effluent Toxicity (WET) test was performed using effluent from four of the outfalls included in this study. A table showing the concentration of selected metals and TDS present in the outfalls near the time (± 5 days) that the WET samples were collected can be seen below (Table 27). The data from this table was used to construct a histogram with the WET test results shown in Figure 110.

Table 27. Selected Parameter Concentrations Measured near the Time that WET Samples Were Collected

Parameter*	DRMW-12 (IC ₂₅ = 100%)	DRMW-3 (IC ₂₅ = 100%)	BWMW-21 (IC ₂₅ = 65%)	BWMW-36 (IC ₂₅ = 56%)
Total Aluminum (mg/L)	0.069	0.0215	0.171	0.154
Total Arsenic (µg/L)	0.132	0.132	1.005	0.203
Total Iron (µg/L)	108	19	573	167
Total Manganese (µg/L)	123	21	1580	1530
Total Sulfate (mg/L)	1100	1700	2200	1900
TDS (mg/L)	520	957	916	770

*Values are single sample values measured near the time that that WET Test effluent sample was collected.

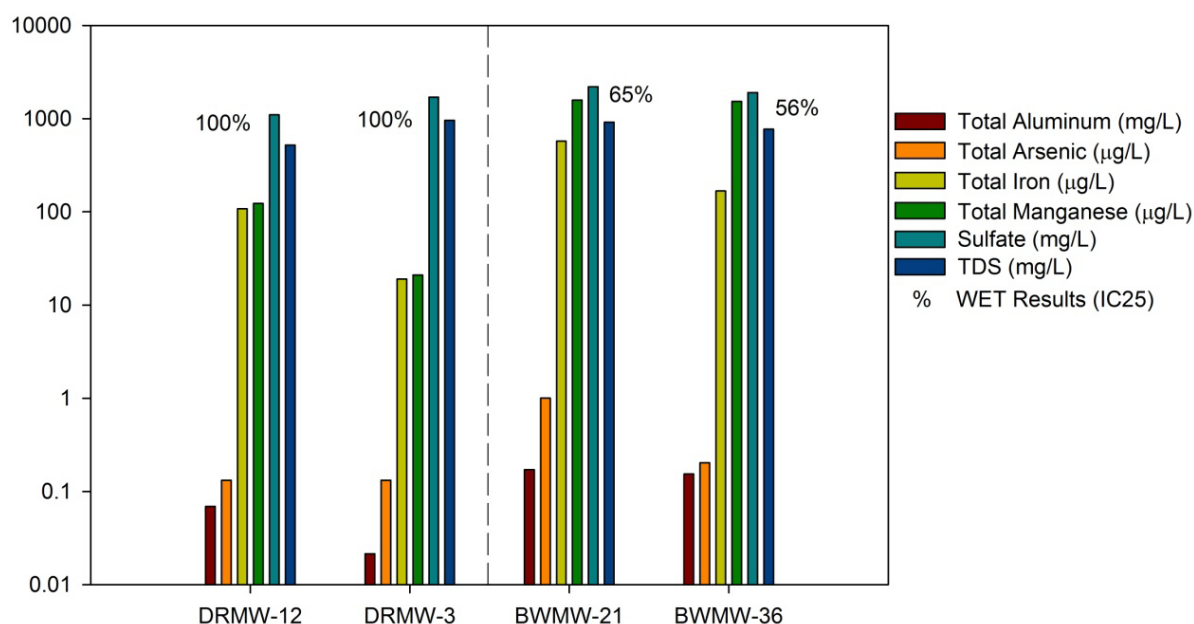


Figure 110. WET Results and Concentrations of Selected Parameters

Table 27 and Figure 110 illustrate that water draining from the BWMW sites had higher levels of total aluminum, total arsenic, total iron, total manganese, and sulfate than the DRMW sites near the time (± 5 days) the WET test samples were collected. It is important to note that Alabama’s water quality criterion for arsenic for chronic protection of aquatic life is 150 µg/l and is expressed as the dissolved trivalent form of arsenic. Alabama has no numeric aquatic life water quality criteria for total dissolved solids (TDS) or for the other metals shown in Table 27 and Figure 110. The WET test results indicate that effluent from outfalls BWMW-21 and BWMW-36 exhibits toxicity to *Ceriodaphnia dubia* (water flea) when the effluent comprises more than 65% and 56% of the total stream flow, respectively.

Aquatic Macroinvertebrate Community Wadeable Multi-Habitat Bioassessments (WMB-I) were performed to assess the biological communities of each stream. These assessments were conducted in accordance with ADEM’s Standard Operating Procedures for sample collection, sample processing, organism identification, and data analysis. In Figure 111 below, WMB-I

assessment scores for stations downstream of mining facilities are plotted and arranged according to the phase of surface mining activity at the time of the study from reclaimed mining sites on the left to active mining sites on the right of the chart. Stations INMW-1, BRSL-3, and BERT-4 shown as the first three columns on the left side of the chart are ecoregional reference stations and each had an “Optimal” habitat score. Stations SPRW-51, CLCJ-4, and CLCJ-3 each had a “Sub-optimal” habitat score. Stations BURW-1, CANW-51, and CHAW-1 each had “Optimal” habitat scores.

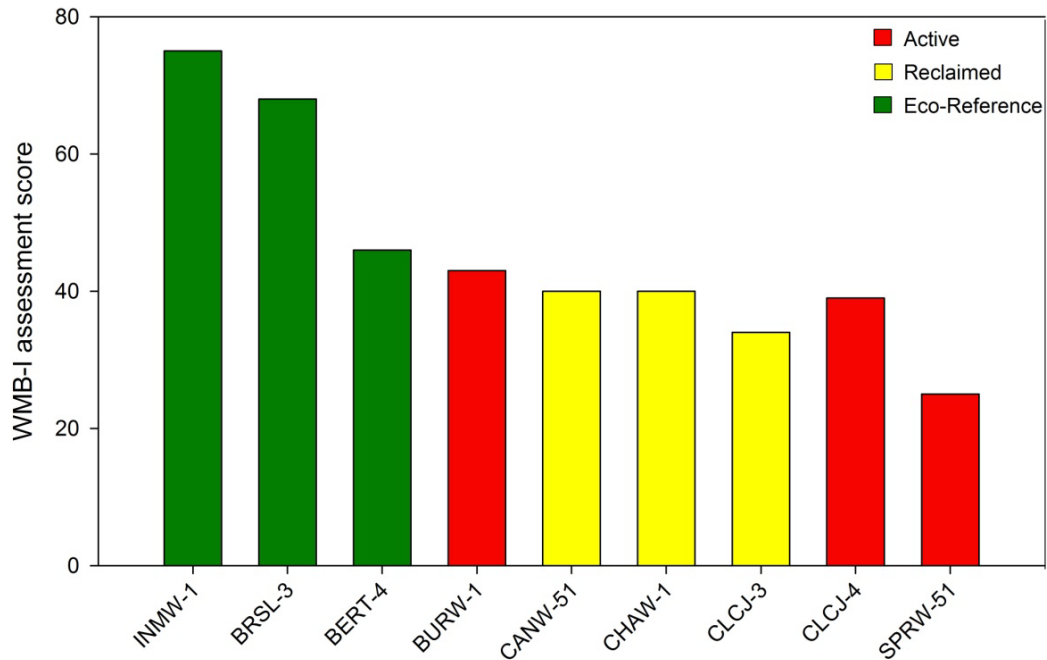


Figure 111. Macroinvertebrate Community Assessment

Results from the biological assessments do not show a statistically significant difference in mean WMB-I scores for sites below active versus reclaimed surface mining locations ($p > 0.05$). Mean WMB-I scores for the three ecoregional reference stations were significantly different from the mean WMB-I scores measured at active and reclaimed surface mining locations ($p < 0.05$). It should be noted that the results of these macroinvertebrate assessments do not consider the length of time that had elapsed since reclamation was completed at the reclaimed sites.

Findings

This study was conducted to provide additional insight into the potential impact that surface coal mining has on water quality in wadeable streams receiving runoff from mined areas. At the active and reclaimed surface mining sites included in this study, there were very few exceedances of Alabama’s numeric water quality criteria. Dissolved hardness-dependent metals concentrations were all below their respective aquatic life criteria. Mercury concentrations measured during two separate sampling events were less than the applicable aquatic life and human health criteria. In addition, there were relatively few exceedances of numeric criteria for the in-situ parameters of dissolved oxygen, turbidity, and pH based on the results of the biweekly sampling. Dissolved oxygen concentrations were less than 5.0 mg/L in thirteen out of

315 biweekly measurements at stations upstream and downstream of treatment pond outfalls. Of the thirteen values less than 5.0 mg/L, two occurred at an ecological reference station, seven were upstream of a mining facility outfall, three were downstream of a mining facility outfall, and one was between two outfalls. The relatively few dissolved oxygen values less than 5.0 mg/L and their occurrence mostly upstream of outfalls would suggest that natural conditions were largely responsible. Natural conditions appear to be largely responsible for the two biweekly pH measurements that were less than 6.0 s.u. since one was measured upstream of an outfall and the other was measured downstream of the same outfall. The diurnal (continuous) monitoring generally demonstrated compliance with water quality criteria for dissolved oxygen, pH, and temperature except where natural conditions (i.e., beaver dams, low stream flow and velocity) may have significantly influenced stream conditions. Dissolved oxygen concentrations of less than 5.0 mg/L were measured at two stations during the diurnal studies and both stations were located upstream of all surface mining facility outfalls.

Biweekly sampling results at the six mining facility outfalls revealed two exceedances of the monthly average manganese limit of 4.0 mg/L, two exceedances of the monthly average TSS limit of 35.0 mg/L, and two exceedances of the daily maximum TSS limit of 70.0 mg/L. All of these exceedances occurred at station WIMJ-1, the newly constructed outfall at the Maxine-Pratt mine. The treatment pond at this location had been recently completed at the time of the study and receives runoff from the work area surrounding an underground mine portal.

Conductivity increased significantly ($p < 0.05$) at 66% of stations downstream of surface mining treatment pond outfalls. Alabama and most other states do not have numeric water quality criteria for conductivity and recent studies have shown varying degrees of impact to aquatic communities from elevated conductivity levels in streams. Since macroinvertebrate community health can be influenced by a number of confounding factors such as habitat quality, hydrology, and other water quality stressors it is difficult to reach a definitive conclusion from this study regarding the role that conductivity plays in defining aquatic community health. However, it is likely that the principle component of conductivity, total dissolved solids, is a significant stressor for aquatic communities. In addition, conductivity, and the associated TDS, can remain elevated above background levels, and in some cases may increase, after the reclamation process is complete. The amount of disturbed land (size of coal mine) has a direct ($R^2 = 0.77$) impact on the quality of available habitat. Surface coal mining operations have the potential to impact the macroinvertebrate communities during both the active and reclamation phases of the mining process. Below is a list of some key points that can be taken from this study:

1. Macroinvertebrate community health was generally scored as “Poor” or “Very Poor” at stations located near surface coal mining sites. However, the link between discharges from surface coal mining treatment ponds and macroinvertebrate community health is not definitive in this study.
2. The quality of available aquatic habitat in wadeable streams decreases as the amount of disturbed acres increases in the watershed.
3. Measurements of whole effluent chronic toxicity varied between no toxicity observed in 100% effluent to observed toxicity at an effluent concentration of 56%.

4. Concentrations of dissolved hardness-dependent metals did not exceed applicable water quality criteria.
5. Total nitrogen concentrations increased significantly ($p < 0.05$) from upstream to downstream of treatment pond outfalls. This was not the case for total phosphorus where concentrations were not significantly different ($p > 0.05$) from upstream to downstream. However, the increase in total nitrogen downstream of treatment pond outfalls did not appear to result in a water quality response at the downstream station and nitrogen concentrations decreased following reclamation.
6. The concentration of nickel in stream bottom sediment at 7 stations was elevated above the concentration measured in sediment at ecoregional reference stations.
7. The concentration of total arsenic in sediment at 3 stations exceeded the concentration measured in sediment at ecoregional reference stations.
8. Elevated conductivity and TDS can continue after the site has been reclaimed.
9. The discharge monitoring reports submitted by the surface mining facilities for the treatment pond outfalls included in this study during the time period in which the study was conducted generally demonstrate compliance with applicable permit limitations and indicate that current treatment technologies for the surface coal mining industry ensure compliance with current NPDES requirements for these facilities. The one exception was outfall WIMJ-1 to Coal Creek. The treatment pond at this location captures runoff from the staging area for an underground mine portal. Discharge monitoring reports for this facility indicate exceedances of monthly average and daily maximum permit limits for TSS. As a result, the Department took enforcement action.
10. Most of the treatment ponds included in this study discharged in response to rain events as expected during the cooler, wetter months. However, during the warmer summer months discharge rates from many of the ponds declined and were not measureable during several sampling events. For example, Table 18 shows that at treatment pond outfall DRMW-12 flow was measureable during only 7 of the 24 station visits (29.2%). Station visit comments indicate that in March, May, June, July, August 2011 and December 2012 “Flow was visible but not measureable”. This was also the case at treatment pond outfall DRMW-3 in January – April and June – August 2011 where measureable flows were recorded on 58.3% of the station visits. Treatment pond outfalls BWMW-21 and BWMW-36 had measureable flow during the majority of site visits at 73.9% and 82.6%, respectively.

References

1. **ADEM.** ADEM Administrative Code, Chapter 335-6, Water Division-Water Quality Program: s.n.
2. **USEPA, USACOE, DOI.** Memorandum of Understanding among the U.S. Department of the Army, U.S. Department of the Interior, and the U.S. Environmental Protection Agency, Implementing the Interagency Action Plan on Appalachian Surface Coal Mining, June 11, 2009: s.n.
3. **Fry, J., et al.** *Completion of the 2006 National Land Cover Database for the Conterminous United States.* s.l. : PE&RS, Vol. 77(9):858-864., 2011.
4. **USEPA.** Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Fourth Edition, October 2002, EPA-821-R-02-013 : s.n.
5. **USEPA.** Method 1631, Revision E: Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry, August 2002: s.n.
6. **ASMC.** Alabama Surface Mining Commission Administrative Code, Chapter 880-X-10C, Performance Standards, Surface Mining Activities: s.n.

Appendix A – Water Quality Data

Table A-1. Station Physical Characteristics

Station	Date	Width (ft)	Canopy Cover	Riffle Depth (ft)	Run Depth (ft)	Pool Depth (ft)	Riffle Percent of Reach	Run Percent of Reach	Pool Percent of Reach	Percent Substrate								
										Bedrock	Boulder	Clay	Cobble	Mud/Muck	Gravel	Sand	Silt	Organic Matter
CANW-52 Upstream of DRMW-12	5/11/11	6	Shaded	0	0.1	0.5	2	8	90	28	15		25		26	2		4
CANW-51 Downstream of DRMW-12	5/11/11	8	Mostly Shaded	0.2	0.5	1.0	30	40	30	20	15		25		35	2		3
BKRW-1 Upstream of DRMW-3	5/11/11	6	Shaded	0.2	0.5	1.0	15	15	70	30	10	0	23	0	30	2	0	5
BURW-1 Downstream of DRMW-3	5/11/11	15	Shaded	0.4	1.0	1.5	40	40	20	20	8		28		31	5		8
CHAW-2 Upstream of BMWW-21	5/10/11	12	Mostly Shaded	0.4	1.0	3.0	5	10	85				1	3	1	81	3	10
CHAW-1 Downstream of BMWW-21	5/11/11	20	Mostly Shaded	0.0	1.5	2.5	0	40	60				1	8	3	70	1	17
SPRW-52 Upstream of BMWW-36	5/10/11	10	Estimate 50/50	0.0	1.3	3.0	0	30	70			3		5		75	10	7
SPRW-51 Downstream of BMWW-36	5/25/11	8	Mostly Open	0.2	0.4	1.5	25	65	10	0	2	0	6	30	9	0	27	26
CLCJ-1 Upstream of CHMJ-47	5/9/11	10	Shaded	0.3	0.8	1.0	7	40	53	60	3		10		10	12	1	4
CLCJ-3 Downstream of CHMJ-47	5/12/11	8	Mostly Shaded	0.2	0.4	1.5	10	40	50			2	25		34	25	2	10
CLCJ-4 Downstream of WIMJ-1	5/12/11	12	Mostly Shaded	0.2	1.0	2.0	10	2	18	20	2		18	2	27	15	3	13
BERT-4 Eco-Reference Site	5/9/07	15	Mostly Shaded	0.4	1.0	1.5	2	63	35	65	5		15		5		7	3
BRSL-3 Eco-Reference Site	5/11/11	27	Mostly Shaded	0.3	0.7	1.0	3	90	7	0	10	0	10	0	8	60	3	9
INMW-1 Eco-Reference Site	5/11/11	35	Mostly Shaded	0.4	1.0	1.5	35	40	25	20	10	0	30	0	20	10	0	10

Table A-2. Habitat Assessment Results

Station ID	Date	Rating / Percent of Maximum						Habitat Assessment Score / Percent of Maximum
		Instream Habitat Quality	Sediment Deposition	Sinuosity	Bank / Vegetative Stability	Riparian Buffer		
CANW-52 Upstream of DRMW-12	5/11/11	Marginal (41 -58) 54	Optimal (>70) 87	Poor (<45) 35	Sub-optimal (60-74) 69	Optimal (>89) 90	165 69	
CANW-51 Downstream of DRMW-12	5/11/11	Sub-optimal (59-70) 70	Optimal >70 82	Sub-optimal (65-84) 83	Marginal (35-59) 51	Sub-optimal (70-89) 75	169 70	
BKRW-1 Upstream of DRMW-3	5/11/11	Sub-optimal (59-70) 63	Optimal >70 82	Optimal >84 85	Marginal (35-59) 53	Optimal >89 90	177 74	
BURW-1 Downstream of DRMW-3	5/11/11	Optimal >70 87	Optimal >70 85	Optimal >84 88	Sub-optimal (60-74) 70	Marginal (50-69) 65	188 78	
CHAW-2 Upstream of BWMW-21	5/10/11	Marginal (41-58) 50	Optimal >70 71	Sub-optimal (65-84) 68	Marginal (35-59) 50	Sub-optimal (70-89) 88	143 65	
CHAW-1 Downstream of BWMW-21	5/10/11	Sub-optimal (59-70) 61	Sub-optimal (59-70) 70	Sub-optimal (65-84) 68	Sub-optimal (60-74) 60	Optimal >89 95	155 70	
SPRW-52 Upstream of BWMW-36	5/10/11	Marginal (41-58) 48	Sub-optimal (59-70) 69	Sub-optimal (65-84) 83	Marginal (35-59) 58	Optimal >89 93	149 68	
SPRW-51 Downstream of BWMW-36	5/10/11	Sub-optimal (59-70) 69	Optimal >70 72	Poor <45 20	Sub-optimal (60-74) 74	Poor <50 46	152 63	
CLCJ-1 Upstream of CHMJ-47	5/12/11	Sub-optimal (59-70) 64	Optimal >70 79	Sub-optimal (65-84) 83	Marginal (35-59) 50	Sub-optimal (70-89) 84	171 71	
CLCJ-3 Downstream of CHMJ-47	5/12/11	Sub-optimal (59-70) 68	Optimal >70 72	Sub-optimal (65-84) 80	Marginal (35-59) 50	Sub-optimal (70-89) 78	165 69	
CLCJ-4 Downstream of WIMJ-1	5/12/11	Sub-optimal (59-70) 67	Optimal >70 72	Sub-optimal (65-84) 75	Marginal (35-59) 54	Sub-optimal (70-89) 80	166 69	
BERT-4 Eco-Reference Site	5/11/11	Optimal >70 81	Optimal >70 82	Optimal >84 88	Marginal (35-59) 54	Sub-optimal (70-89) 88	187 78	
BRSL-3 Eco-Reference Site	5/10/11	Optimal >70 84	Sub-optimal (59-70) 68	Sub-optimal (65-84) 78	Marginal (35-59) 54	Optimal >89 98	183 76	
INMW-1 Eco-Reference Site	5/11/11	Optimal >70 81	Optimal >70 85	Optimal >84 90	Sub-optimal (60-74) 68	Sub-optimal (70-89) 88	194 81	

Table A-3. Macroinvertebrate Assessment Results for High Gradient Streams

Station ID	Date	Taxa Richness Measures Result / Score (0 – 100) / Rating			Taxonomic Composition Measures Result / Score (0 – 100) / Rating			Tolerance Measure – Result / Score (0–100) / Rating	WMB-I Assessment Score
		# Ephemeroptera genera	# Plecoptera genera	# Trichoptera genera	% Non-insect taxa	% Non-insect organisms	% Plecoptera	Beck's Community Tolerance Index	
CANW-52 Upstream of DRMW-12	5/11/11	5 42 Poor (23-46)	1 17 Poor (16-31)	0 0 Very Poor (≤21)	14 44.4 Poor (24.8-49.4)	53 0.0 Very Poor (≤31.3)	1 5.3 Very Poor (≤6.5)	6 21.4 Poor (20.3-40.7)	18 Very Poor (≤23)
CANW-51 Downstream of DRMW-12	5/11/11	5 42 Poor (23-46)	2 33 Fair (32-49)	4 33 Poor (22-44)	10 60.8 Fair (49.5-74.1)	9 76.3 Fair (62.8-93.9)	2 10.8 Poor (6.6-13.1)	7 25.0 Poor (20.3-40.7)	40 Poor (24-48)
BKRW-1 Upstream of DRMW-3	5/11/11	6 50 Fair (47-70)	1 17 Poor(16-31)	3 25 Poor (22-44)	10 61.3 Fair (49.5-74.1)	9 75.1 Fair (62.8-93.9)	9 44.2 Good (19.8-59.8)	5 17.9 Very Poor (≤20.2)	41 Poor (24-48)
BURW-1 Downstream of DRMW-3	5/11/11	3 25 Poor (23-46)	2 33 Fair (32-49)	4 33 Poor (22-44)	9 65.2 Fair (49.5-74.1)	1 97.3 (Excellent)	3 17.2 Fair (13.2-19.7)	9 32.1 Poor (20.3-40.7)	43 Poor (24-48)
CLCJ-1 Upstream of CHMJ-47	5/12/11	1 8 Very Poor (≤22)	2 33 Fair (32-49)	4 33 Poor (22-44)	4 82.6 Good (74.2-87.1)	9 76.7 Fair (62.8-93.9)	10 52.4 Good (19.8-59.8)	7 25.0 Poor (20.3-40.7)	45 Poor (24-48)
CLCJ-3 Downstream of CHMJ-47	5/12/11	1 8 Very Poor (≤22)	1 17 Poor (16-31)	2 17 Very Poor (≤21)	13 50.0 Fair (49.5-74.1)	4 88.3 Fair (62.8-93.9)	11 53.8 Good (19.8-59.8)	1 3.6 Very Poor (≤20.2)	34 Poor (24-48)
CLCJ-4 Downstream of WIMJ-1	5/12/11	1 8 Very Poor (≤22)	2 33 Fair (32-49)	3 25 Poor (22-44)	9 62.3 Fair (49.5-74.1)	1 96.9 Good (94.0-97.0)	5 23.8 Good (19.8-59.8)	7 25.0 Poor (20.3-40.7)	39 Poor (24-48)
INMW-1 Eco-Reference Site	5/11/11	13 100 Excellent (≥86)	5 83 Excellent (≥76)	8 67 Good (67-83)	4 85.4 Good (74.2-87.1)	16 58.7 Poor (31.4-62.7)	6 27.6 Good (19.8-59.8)	29 100.0 Excellent (≥80.5)	75 Good (73-86)
BERT-4 Eco-Reference Site	5/11/11	7 58 Fair (47-70)	1 17 Poor (16-31)	1 8 Very Poor (≤21)	14 45.9 Poor (24.8-49.4)	3 93.4 Fair (62.8-93.9)	17 86.9 Excellent (≥59.9)	4 14.3 Very Poor (≤20.2)	46 Poor (24-48)
BRSL-3 Eco-Reference Site	5/10/11	14 100 Excellent (≥86)	5 83 Excellent (≥76)	3 25 Poor (22-44)	6 75.6 Good (74.2-87.1)	3 91.5 Fair (62.8-93.9)	4 20.6 Good (19.8-59.8)	23 82.1 Excellent (≥80.5)	68 Fair (49-72)

Table A-4. Macroinvertebrate Assessment Results for Low Gradient Streams

Station ID	Date	Taxa Richness Measure Result / Score / Rating	Taxonomic Composition Measures Result / Score / Rating			Functional Composition Measure Result / Score / Rating	Tolerance Measures Result / Score / Rating		WMB-I Assessment Score / Rating
		# EPT genera	% Non-insect taxa	% Plecoptera	% Dominant taxa	% Predators	Beck's Community Tolerance Index	% Nutrient Tolerant Organisms	
CHAW-2 Upstream of BWMW-21	5/10/11	12 48 Fair (38-56)	16 42.9 Poor (30.9-61.8)	16 81.5 Excellent (≥ 52.9)	16 85.3 Excellent (≥ 85.3)	34 100.0 Excellent (≥ 72.2)	2 9.1 Very Poor (≤ 10.5)	23 79.2 Good (76.3-88.1)	64 Good (57-78)
CHAW-1 Downstream of BWMW-21	5/10/11	10 40 Fair (38-56)	14 54.8 Poor (30.9-61.8)	3 13.0 Good (5.7-52.8)	37 32.6 Poor (23.5-47.0)	15 51.5 Good (45.3-72.1)	3 13.6 Poor (10.6-21.2)	24 77.3 Good (76.3-88.1)	40 Fair (38-56)
SPRW-52 Upstream of BWMW-36	5/10/11	9 36 Poor (19-37)	17 39.1 Poor (30.9-61.8)	4 19.1 Good (5.7-52.8)	18 81.2 Good (70.6-85.2)	19 64.4 Good (45.3-72.1)	2 9.1 Very Poor (≤ 10.5)	21 80.9 Good (76.3-88.1)	47 Fair (38-56)
SPRW-51 downstream of BWMW-36	5/11/11	4 16 Very Poor (≤ 18)	20 25.0 Very Poor (≤ 30.8)	0 0.0 Very Poor (≤ 1.85)	24 64.3 Fair (47.1-70.5)	4 13.3 Very Poor (≤ 15.0)	3 13.6 Poor (10.6-21.2)	45 41.3 Poor (25.4-50.8)	25 Poor (19-37)

Table A-5. Water Quality Summary for CANW-52

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>
CANW-52 (Upstream of Outfall DRMW-12)	Cane Creek	33.866332	-87.339739

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	18	2.63	28.20	10.25	6.13	8.01
Specific Conductance (µmhos)	19	70.0	618.7	247.1	177.0	182.8
Alkalinity (mg/L)	17	15.39	104.00	50.32	34.15	28.90
Total Suspended Solids (mg/L)	17	0.3	12	3.2	1.0	3.4
Total Dissolved Solids (mg/L)	17	62	368	143.12	77.00	108.07
Hardness (mg/L)	11	26.9	236	114.4	85.5	81.8
Chemical						
Dissolved Oxygen (mg/L)	19	4.88	16.55	10.55	10.93	2.612
pH (SU)	19	6.14	8.72	7.32	7.33	0.54
Sulfate (mg/L)	17	5.00	290.00	66.16	16.00	85.16
Chlorides (mg/L)	17	2.18	8.65	3.13	2.83	1.52
Total Phosphorus (mg/L)	6	0.006	0.016	0.011	0.010	0.004
Total Nitrogen (mg/L)	6	0.026	1.247	0.550	0.493	0.439
Total Metals						
Aluminum (µg/L)	11	22	335	183	159	99
Arsenic (µg/L)	11	0.066	0.398	0.143	0.113	0.128
Beryllium (µg/L)	12	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	11	0.011	0.063	0.022	0.023	0.015
Chromium (µg/L)	11	4.500	16.000	9.727	4.500	6.006
Cyanide (µg/L)	5	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	11	95.0	373.0	215.2	225.0	80.7
Manganese (µg/L)	11	3.5	37.0	21.1	21.0	11.2
Potassium (µg/L)	9	1480.0	3890.0	2448.9	2030.0	895.8
Sodium (µg/L)	9	3270	24500	10492	6150	8138
Zinc (µg/L)	11	6.0	8.5	7.1	6.0	1.3
Silver (µg/L)	11	0.0075	0.1355	0.0737	0.1075	0.0531
Selenium (µg/L)	11	0.419	0.670	0.533	0.419	0.131
Copper (µg/L)	11	10.0	15.5	12.5	10.0	2.872
Nickel (µg/L)	11	8.0	21.0	15.1	21.0	6.789
Lead (µg/L)	11	0.434	0.534	0.492	0.463	0.041
Thallium (µg/L)	9	0.371	0.464	0.412	0.371	0.049
Phenols (µg/L)	5	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.218	0.165	0.151
Cadmium (µg/L)	11	0.011	0.167	0.032	0.023	0.045
Chromium (µg/L)	11	4.500	16.000	9.727	4.500	6.006
Zinc (µg/L)	11	6.0	8.5	7.1	6.0	1.3
Silver (µg/L)	11	0.0075	0.1075	0.0620	0.1075	0.1
Copper (µg/L)	11	10.0	15.5	12.5	10.0	2.9
Nickel (µg/L)	11	8.0	21.0	15.1	21.0	6.8
Lead (µg/L)	11	0.434	0.534	0.483	0.463	0.0

Table A-6. Water Quality Summary for DRMW-12

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>
DRMW-12 (Treatment Pond Outfall)	Downstream of CANW-52	33.86202	-87.342445

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	23	1.86	58.30	13.41	7.35	13.81
Specific Conductance (µmhos)	23	764.0	1749	1195.0	1161.0	272.2
Alkalinity (mg/L)	21	170.36	433.00	263.05	257.02	69.37
Total Suspended Solids (mg/L)	21	0.3	19	7.8	7.0	6.0
Total Dissolved Solids (mg/L)	21	520	1306	850.29	829.00	220.43
Hardness (mg/L)	14	309	759	524.7	497.5	146.7
Chemical						
Dissolved Oxygen (mg/L)	23	7.37	16.27	11.56	11.66	2.185
pH (SU)	23	7.28	8.97	8.22	8.28	0.47
Sulfate (mg/L)	21	330.93	3600.00	1521.76	1300.00	944.14
Chlorides (mg/L)	21	2.09	7.35	4.80	4.28	1.31
Total Phosphorus (mg/L)	6	0.014	0.027	0.021	0.021	0.006
Total Nitrogen (mg/L)	6	0.578	3.294	1.972	2.055	1.112
Total Metals						
Aluminum (µg/L)	14	22	433	195	156	134
Arsenic (µg/L)	14	0.066	1.657	0.429	0.384	0.466
Beryllium (µg/L)	12	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	14	0.011	0.023	0.018	0.021	0.006
Chromium (µg/L)	14	4.500	16.000	10.214	12.000	5.355
Cyanide (µg/L)	8	2.500	7.000	3.063	2.500	1.591
Iron (µg/L)	14	9.5	727.0	229.8	175.0	209.0
Manganese (µg/L)	14	17.0	661.0	216.6	166.0	192.1
Potassium (µg/L)	12	6300.0	15100.0	10754.2	10750.0	2565.9
Sodium (µg/L)	12	70600	162000	120475	126500	32721
Zinc (µg/L)	14	6.0	8.5	6.9	6.0	1.2
Silver (µg/L)	14	0.0075	0.1355	0.0778	0.1075	0.0555
Selenium (µg/L)	14	0.419	1.480	0.669	0.670	0.339
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.735
Nickel (µg/L)	14	8.0	21.0	17.0	21.0	6.000
Lead (µg/L)	14	0.434	0.534	0.486	0.463	0.038
Thallium (µg/L)	12	0.371	0.464	0.402	0.371	0.046
Phenols (µg/L)	8	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.280	0.398	0.351	0.355	0.046
Cadmium (µg/L)	14	0.011	0.023	0.016	0.011	0.006
Chromium (µg/L)	14	4.500	16.000	10.000	10.500	5.310
Zinc (µg/L)	14	6.0	14.0	7.5	6.0	2.2
Silver (µg/L)	14	0.0075	0.1075	0.0504	0.0075	0.1
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.7
Nickel (µg/L)	14	8.0	21.0	16.4	21.0	6.5
Lead (µg/L)	14	0.434	0.534	0.479	0.463	0.0

Table A-7. Water Quality Summary for CANW-51

Station	Locale	Latitude	Longitude
CANW-51 (Downstream of Outfall DRMW-12)	Cane Creek	33.85872	-87.336769

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	22	0.88	16.90	6.23	5.92	4.25
Specific Conductance (µmhos)	23	206.0	1053	492.5	412.4	256.5
Alkalinity (mg/L)	21	36.28	181.46	87.95	82.00	41.42
Total Suspended Solids (mg/L)	21	0.3	8	2.3	2.0	2.1
Total Dissolved Solids (mg/L)	21	128	1020	346.76	275.00	229.31
Hardness (mg/L)	14	76.6	435	210.3	179.0	116.6
Chemical						
Dissolved Oxygen (mg/L)	23	4.75	14.78	10.73	11.10	2.438
pH (SU)	23	6.88	8.56	7.65	7.57	0.49
Sulfate (mg/L)	21	40.00	2600.00	333.83	110.00	624.46
Chlorides (mg/L)	21	2.03	4.88	3.29	3.34	0.80
Total Phosphorus (mg/L)	6	0.007	0.018	0.010	0.009	0.004
Total Nitrogen (mg/L)	6	0.063	0.889	0.474	0.473	0.339
Total Metals						
Aluminum (µg/L)	14	22	416	174	153	114
Arsenic (µg/L)	14	0.066	0.398	0.127	0.066	0.117
Beryllium (µg/L)	12	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	14	0.011	0.061	0.021	0.022	0.013
Chromium (µg/L)	14	4.500	16.000	9.679	7.750	5.549
Cyanide (µg/L)	8	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	14	9.5	443.0	184.0	205.5	123.5
Manganese (µg/L)	14	3.5	40.0	17.4	18.0	11.7
Potassium (µg/L)	12	1060.0	8750.0	4328.3	3255.0	2691.7
Sodium (µg/L)	12	878	100000	39457	27050	31521
Zinc (µg/L)	14	6.0	8.5	6.9	6.0	1.2
Silver (µg/L)	14	0.0075	0.1355	0.0778	0.1075	0.0555
Selenium (µg/L)	14	0.419	0.670	0.562	0.670	0.129
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.735
Nickel (µg/L)	14	8.0	21.0	16.4	21.0	6.464
Lead (µg/L)	14	0.434	1.420	0.554	0.463	0.252
Thallium (µg/L)	12	0.371	0.464	0.402	0.371	0.046
Phenols (µg/L)	8	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	14	0.011	0.073	0.021	0.017	0.016
Chromium (µg/L)	14	4.500	16.000	9.536	7.250	5.496
Zinc (µg/L)	14	6.0	8.5	6.9	6.0	1.2
Silver (µg/L)	14	0.0075	0.1075	0.0504	0.0075	0.1
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.7
Nickel (µg/L)	14	8.0	21.0	16.4	21.0	6.5
Lead (µg/L)	14	0.434	4.000	0.732	0.463	0.9

Table A-8. Water Quality Summary for BKRW-1

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>
BKRW-1 (Upstream of Outfall DRMW-3)	Baker Branch	33.873298	-87.370612

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	22	3.67	26.70	10.06	7.96	5.56
Specific Conductance (µmhos)	22	79.0	143	103.8	104.5	15.6
Alkalinity (mg/L)	20	4.73	30.62	12.72	11.10	6.71
Total Suspended Solids (mg/L)	20	0.3	21	3.6	2.0	4.6
Total Dissolved Solids (mg/L)	20	48	102	73.70	74.50	12.41
Hardness (mg/L)	13	26.2	61.9	37.3	34.4	10.2
Chemical						
Dissolved Oxygen (mg/L)	22	4.73	17.68	9.70	9.63	2.851
pH (SU)	22	5.92	8.06	6.61	6.59	0.52
Sulfate (mg/L)	20	19.00	35.00	27.18	27.12	3.91
Chlorides (mg/L)	20	1.51	2.67	2.06	2.08	0.31
Total Phosphorus (mg/L)	6	0.008	0.016	0.010	0.009	0.003
Total Nitrogen (mg/L)	6	0.023	0.281	0.155	0.167	0.097
Total Metals						
Aluminum (µg/L)	13	22	697	330	283	196
Arsenic (µg/L)	13	0.066	0.398	0.150	0.066	0.134
Beryllium (µg/L)	11	0.012	0.037	0.026	0.031	0.012
Cadmium (µg/L)	13	0.011	0.038	0.021	0.023	0.007
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	207.0	1150.0	457.2	337.0	278.7
Manganese (µg/L)	13	3.5	295.0	72.3	46.0	77.4
Potassium (µg/L)	11	39.0	2120.0	1342.7	1460.0	628.1
Sodium (µg/L)	11	3030	4520	3627	3570	493
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.039
Thallium (µg/L)	11	0.371	0.464	0.405	0.371	0.047
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	13	0.011	0.023	0.017	0.011	0.006
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.6
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-9. Water Quality Summary for DRMW-3

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>			
DRMW-3 (Treatment Pond Outfall)	Downstream of BKRW-1	33.866545	-87.367412			
Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	23	0.63	6.58	2.04	1.50	1.65
Specific Conductance (µmhos)	22	1244.0	1888	1524.5	1466.0	171.8
Alkalinity (mg/L)	21	336.84	498.00	415.38	401.80	51.74
Total Suspended Solids (mg/L)	21	0.3	5	2.2	1.0	1.6
Total Dissolved Solids (mg/L)	21	915	1354	1060.00	1020.00	126.97
Hardness (mg/L)	13	548	742	642.0	635.0	60.3
Chemical						
Dissolved Oxygen (mg/L)	23	8.20	21.06	12.43	11.89	2.929
pH (SU)	23	6.69	7.61	7.03	6.97	0.27
Sulfate (mg/L)	21	350.00	3800.00	1661.92	1800.00	1032.60
Chlorides (mg/L)	21	2.77	4.79	3.67	3.64	0.58
Total Phosphorus (mg/L)	6	0.005	0.008	0.006	0.006	0.001
Total Nitrogen (mg/L)	6	7.247	11.015	9.380	9.897	1.469
Total Metals						
Aluminum (µg/L)	13	22	119	59	43	31
Arsenic (µg/L)	13	0.066	0.398	0.131	0.066	0.120
Beryllium (µg/L)	11	0.012	0.037	0.026	0.031	0.012
Cadmium (µg/L)	13	0.011	0.078	0.023	0.021	0.017
Chromium (µg/L)	13	4.500	16.000	10.885	13.000	5.401
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	9.0	97.0	37.7	33.0	30.2
Manganese (µg/L)	13	3.5	105.0	28.9	23.0	27.4
Potassium (µg/L)	11	7000.0	13000.0	10044.5	9610.0	1864.6
Sodium (µg/L)	11	114000	237000	171727	154000	41326
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	3.010	1.340	0.966	0.854
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.8	21.0	6.139
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.039
Thallium (µg/L)	11	0.371	0.966	0.450	0.371	0.176
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	13	0.011	0.023	0.017	0.011	0.006
Chromium (µg/L)	13	4.500	16.000	10.654	13.000	5.352
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	21.0	16.7	21.0	6.1
Lead (µg/L)	13	0.434	1.070	0.527	0.463	0.2

Table A-10. Water Quality Summary for BURW-1

<u>Station</u>	<u>Locale</u>			<u>Latitude</u>	<u>Longitude</u>
BURW-1 (Downstream of Outfall DRMW-3)	Burton Creek			33.86076	-87.378276

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	23	1.16	103.00	9.45	3.90	20.98
Specific Conductance (µmhos)	23	243.0	1598	939.6	1011.0	371.7
Alkalinity (mg/L)	21	44.18	443.00	244.48	234.12	123.50
Total Suspended Solids (mg/L)	21	0.3	48	4.1	2.0	10.1
Total Dissolved Solids (mg/L)	21	151	1110	632.38	658.00	272.06
Hardness (mg/L)	13	92.2	627	385.4	401.0	182.0
Chemical						
Dissolved Oxygen (mg/L)	23	8.21	14.95	10.83	10.62	1.884
pH (SU)	23	7.36	8.4	8.02	8.14	0.27
Sulfate (mg/L)	21	30.00	2200.00	677.43	400.00	695.23
Chlorides (mg/L)	21	1.87	4.32	2.97	3.00	0.59
Total Phosphorus (mg/L)	6	0.006	0.049	0.015	0.007	0.017
Total Nitrogen (mg/L)	6	0.733	4.964	3.696	4.382	1.668
Total Metals						
Aluminum (µg/L)	13	22	2140	378	154	584
Arsenic (µg/L)	13	0.066	0.950	0.208	0.066	0.256
Beryllium (µg/L)	11	0.012	0.037	0.026	0.031	0.012
Cadmium (µg/L)	13	0.011	0.024	0.019	0.023	0.006
Chromium (µg/L)	13	4.500	16.000	10.385	13.000	5.727
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	22.0	3190.0	439.2	179.0	847.4
Manganese (µg/L)	13	3.5	330.0	44.3	28.0	87.4
Potassium (µg/L)	11	1830.0	11300.0	6414.5	6150.0	3361.6
Sodium (µg/L)	11	13300	186000	96173	99200	57248
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	2.810	1.037	0.670	0.657
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583
Lead (µg/L)	13	0.434	1.440	0.630	0.463	0.355
Thallium (µg/L)	11	0.371	0.464	0.405	0.371	0.047
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.219	0.170	0.151
Cadmium (µg/L)	13	0.011	0.023	0.017	0.011	0.006
Chromium (µg/L)	13	4.500	16.000	10.154	11.000	5.614
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.6
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-11. Water Quality Summary for CHAW-2

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>			
CHAW-2 (Upstream of Outfall BMWW-21)	Charlies Creek	33.946235	-87.331769			
Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	23	3.92	97.80	11.97	7.39	18.99
Specific Conductance (µmhos)	23	89.0	854	282.3	164.9	225.0
Alkalinity (mg/L)	21	12.71	206.65	59.66	31.70	54.54
Total Suspended Solids (mg/L)	21	0.3	46	5.5	3.0	9.6
Total Dissolved Solids (mg/L)	21	67	569	170.86	110.00	137.31
Hardness (mg/L)	13	33.3	391	112.4	54.8	104.2
Chemical						
Dissolved Oxygen (mg/L)	23	4.50	11.28	8.31	8.86	2.365
pH (SU)	23	6.74	7.92	7.31	7.25	0.28
Sulfate (mg/L)	21	17.00	250.00	62.05	34.00	62.67
Chlorides (mg/L)	21	1.88	3.34	2.70	2.66	0.43
Total Phosphorus (mg/L)	6	0.011	0.022	0.014	0.013	0.004
Total Nitrogen (mg/L)	6	0.184	1.073	0.702	0.748	0.338
Total Metals						
Aluminum (µg/L)	13	77	1810	376	224	475
Arsenic (µg/L)	13	0.066	0.398	0.183	0.113	0.138
Beryllium (µg/L)	10	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	13	0.011	0.073	0.026	0.023	0.015
Chromium (µg/L)	13	4.500	16.000	9.500	4.500	5.719
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	493.0	1310.0	816.1	723.0	275.8
Manganese (µg/L)	13	149.0	623.0	294.9	261.0	121.2
Potassium (µg/L)	10	1710.0	6340.0	3439.0	3030.0	1643.1
Sodium (µg/L)	10	2950	30700	8431	4880	8519
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583
Lead (µg/L)	13	0.434	1.080	0.535	0.463	0.168
Thallium (µg/L)	10	0.371	0.464	0.399	0.371	0.045
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.210	0.795	0.385	0.329	0.216
Cadmium (µg/L)	13	0.011	0.032	0.018	0.023	0.007
Chromium (µg/L)	13	4.500	16.000	9.423	4.500	5.689
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.6
Lead (µg/L)	13	0.434	0.870	0.514	0.463	0.1

Table A-12. Water Quality Summary for BMWW-21

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>			
BMWW-21 (Treatment Pond Outfall)	Downstream of CHAW-2	33.941936	-87.334765			
Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	22	2.1	36.90	12.05	9.98	9.25
Specific Conductance (µmhos)	23	677.0	1551	1344.1	1420.0	223.7
Alkalinity (mg/L)	21	170.04	455.00	364.72	375.47	74.83
Total Suspended Solids (mg/L)	21	2	34	8.1	5.0	9.2
Total Dissolved Solids (mg/L)	21	413	1156	932.57	984.00	193.83
Hardness (mg/L)	13	312	810	640.1	663.0	132.8
Chemical						
Dissolved Oxygen (mg/L)	23	6.23	17.80	10.25	9.66	2.735
pH (SU)	23	6.62	7.7	7.05	6.94	0.31
Sulfate (mg/L)	21	272.70	3500.00	1448.17	1700.00	936.10
Chlorides (mg/L)	21	1.66	25.45	4.31	3.25	4.89
Total Phosphorus (mg/L)	6	0.006	0.031	0.013	0.010	0.009
Total Nitrogen (mg/L)	6	0.291	0.972	0.727	0.783	0.244
Total Metals						
Aluminum (µg/L)	13	22	561	167	100	147
Arsenic (µg/L)	13	0.066	3.490	1.457	1.026	1.107
Beryllium (µg/L)	10	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	13	0.011	0.025	0.020	0.023	0.005
Chromium (µg/L)	13	4.500	16.000	10.538	14.000	5.843
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	26.0	1540.0	757.9	728.0	546.0
Manganese (µg/L)	13	78.0	1580.0	796.5	990.0	528.7
Potassium (µg/L)	10	7050.0	13700.0	11131.0	11250.0	1843.6
Sodium (µg/L)	10	27300	89500	68800	72950	18360
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	1.460	0.615	0.670	0.283
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	21.0	42.0	24.5	21.0	6.437
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.039
Thallium (µg/L)	10	0.371	0.464	0.399	0.371	0.045
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	1.085	2.400	1.764	1.800	0.575
Cadmium (µg/L)	13	0.011	0.023	0.017	0.022	0.006
Chromium (µg/L)	13	4.500	16.000	10.308	13.000	5.666
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	20.0	41.0	23.3	21.0	5.9
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-13. Water Quality Summary for CHAW-1

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>
CHAW-1 (Downstream of Outfall BMWW-21)	Charlies Creek	33.940748	-87.337032

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	23	3.61	73.30	13.16	8.20	13.94
Specific Conductance (µmhos)	23	150.0	889	414.2	340.0	239.7
Alkalinity (mg/L)	21	29.42	230.58	91.33	72.90	60.50
Total Suspended Solids (mg/L)	21	1	66	8.8	5.0	14.1
Total Dissolved Solids (mg/L)	21	104	582	243.38	198.00	147.51
Hardness (mg/L)	13	56.5	424	169.6	138.0	112.9
Chemical						
Dissolved Oxygen (mg/L)	23	4.50	11.42	8.37	9.19	2.201
pH (SU)	23	6.68	7.58	7.18	7.25	0.23
Sulfate (mg/L)	21	30.00	290.00	93.29	70.00	70.51
Chlorides (mg/L)	21	2.03	3.48	2.76	2.76	0.42
Total Phosphorus (mg/L)	6	0.010	0.028	0.017	0.016	0.007
Total Nitrogen (mg/L)	6	0.163	0.982	0.645	0.694	0.306
Total Metals						
Aluminum (µg/L)	13	102	508	302	273	129
Arsenic (µg/L)	13	0.066	0.795	0.313	0.380	0.214
Beryllium (µg/L)	10	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	13	0.011	0.043	0.024	0.023	0.007
Chromium (µg/L)	13	4.500	16.000	9.423	4.500	5.689
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	411.0	1320.0	774.5	702.0	240.1
Manganese (µg/L)	13	178.0	574.0	341.5	307.0	130.2
Potassium (µg/L)	10	2100.0	8050.0	4340.0	3705.0	1834.7
Sodium (µg/L)	10	5120	28300	13950	10950	8590
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583
Lead (µg/L)	13	0.434	1.370	0.558	0.463	0.247
Thallium (µg/L)	10	0.371	0.464	0.399	0.371	0.045
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.390	0.795	0.467	0.404	0.161
Cadmium (µg/L)	13	0.011	0.025	0.018	0.023	0.006
Chromium (µg/L)	13	4.500	16.000	9.423	4.500	5.689
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.6
Lead (µg/L)	13	0.434	5.400	0.920	0.463	1.4

Table A-14. Water Quality Summary for SPRW-52

Station	Locale	Latitude	Longitude
SPRW-52 (Upstream of Outfall BMWW-36)	Spring Creek	33.951492	-87.299145

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	16	5.94	43.10	15.32	9.68	10.84
Specific Conductance (µmhos)	16	41.0	76.8	54.8	55.9	11.3
Alkalinity (mg/L)	15	3.38	28.60	9.51	7.26	6.35
Total Suspended Solids (mg/L)	15	1	55	12.4	8.0	15.0
Total Dissolved Solids (mg/L)	15	14	72	41.80	41.00	14.51
Hardness (mg/L)	9	11.5	26.3	15.7	14.4	4.5
Chemical						
Dissolved Oxygen (mg/L)	16	2.61	11.31	8.65	9.34	2.390
pH (SU)	16	6.44	7.77	7.03	7.05	0.33
Sulfate (mg/L)	15	4.00	10.00	6.37	6.00	1.57
Chlorides (mg/L)	15	1.43	3.18	2.26	2.22	0.45
Total Phosphorus (mg/L)	6	0.012	0.051	0.023	0.019	0.015
Total Nitrogen (mg/L)	6	0.227	1.206	0.824	0.920	0.345
Total Metals						
Aluminum (µg/L)	9	143	2070	447	253	612
Arsenic (µg/L)	9	0.066	0.889	0.321	0.113	0.332
Beryllium (µg/L)	6	0.012	0.089	0.042	0.037	0.026
Cadmium (µg/L)	9	0.011	0.085	0.033	0.023	0.022
Chromium (µg/L)	9	4.500	16.000	10.889	16.000	6.061
Cyanide (µg/L)	3	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	9	504.0	2760.0	1133.0	613.0	888.7
Manganese (µg/L)	9	189.0	401.0	242.8	205.0	82.0
Potassium (µg/L)	6	1180.0	3000.0	2003.3	1805.0	774.6
Sodium (µg/L)	6	1450	3270	2273	2240	618
Zinc (µg/L)	9	6.0	18.0	8.4	8.5	3.8
Silver (µg/L)	9	0.0075	0.2470	0.0897	0.1075	0.0763
Selenium (µg/L)	9	0.419	0.670	0.502	0.419	0.126
Copper (µg/L)	9	10.0	15.5	13.1	15.5	2.899
Nickel (µg/L)	9	8.0	22.0	15.3	21.0	6.964
Lead (µg/L)	9	0.434	1.890	0.650	0.534	0.467
Thallium (µg/L)	6	0.371	0.464	0.417	0.417	0.051
Phenols (µg/L)						
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.258	0.235	0.123
Cadmium (µg/L)	9	0.011	0.040	0.024	0.023	0.008
Chromium (µg/L)	9	4.500	16.000	10.889	16.000	6.061
Zinc (µg/L)	9	6.0	8.5	7.4	8.5	1.3
Silver (µg/L)	9	0.0075	0.1075	0.0742	0.1075	0.1
Copper (µg/L)	9	10.0	15.5	13.1	15.5	2.9
Nickel (µg/L)	9	8.0	21.0	13.8	8.0	6.9
Lead (µg/L)	9	0.434	0.534	0.488	0.463	0.0

Table A-15. Water Quality Summary for BMWW-36

Station	Locale	Latitude	Longitude
BMWW-36 (Treatment Pond Outfall)	Downstream of SPRW-52	33.944826	-87.303624

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	22	3.4	76.60	18.60	12.65	15.63
Specific Conductance (µmhos)	22	638.8	1398	1054.2	1151.5	241.8
Alkalinity (mg/L)	20	128.41	388.00	262.03	266.97	73.16
Total Suspended Solids (mg/L)	20	1	12	7.6	7.5	3.6
Total Dissolved Solids (mg/L)	20	419	949	733.85	768.50	166.64
Hardness (mg/L)	12	315	666	530.3	577.0	134.4
Chemical						
Dissolved Oxygen (mg/L)	22	7.65	16.62	10.40	9.87	1.971
pH (SU)	22	7.22	8.05	7.73	7.82	0.23
Sulfate (mg/L)	20	175.97	2800.00	1327.88	1350.00	860.71
Chlorides (mg/L)	20	1.71	4.23	2.87	2.85	0.58
Total Phosphorus (mg/L)	6	0.009	0.051	0.019	0.012	0.016
Total Nitrogen (mg/L)	6	0.249	1.642	1.036	1.033	0.499
Total Metals						
Aluminum (µg/L)	12	92	1840	553	275	564
Arsenic (µg/L)	12	0.066	1.005	0.388	0.399	0.308
Beryllium (µg/L)	9	0.012	0.037	0.026	0.031	0.011
Cadmium (µg/L)	12	0.011	0.039	0.022	0.023	0.007
Chromium (µg/L)	12	4.500	16.000	10.792	13.500	5.631
Cyanide (µg/L)	6	2.500	13.000	4.250	2.500	4.287
Iron (µg/L)	12	119.0	2240.0	574.0	251.5	703.2
Manganese (µg/L)	12	136.0	1530.0	751.7	748.0	438.4
Potassium (µg/L)	9	6770.0	13700.0	10994.4	11000.0	2384.7
Sodium (µg/L)	9	15700	47400	31911	36600	11818
Zinc (µg/L)	12	6.0	29.0	10.0	6.0	7.7
Silver (µg/L)	14	0.0075	0.1355	0.0778	0.1075	0.0555
Selenium (µg/L)	12	0.419	1.430	0.608	0.544	0.288
Copper (µg/L)	12	10.0	15.5	12.3	10.0	2.832
Nickel (µg/L)	12	8.0	58.0	26.8	21.0	14.911
Lead (µg/L)	12	0.434	1.540	0.574	0.463	0.307
Thallium (µg/L)	9	0.371	0.464	0.402	0.371	0.047
Phenols (µg/L)	6	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.360	0.490	0.428	0.419	0.051
Cadmium (µg/L)	12	0.011	0.023	0.017	0.017	0.006
Chromium (µg/L)	12	4.500	16.000	10.708	13.000	5.586
Zinc (µg/L)	12	6.0	25.0	9.4	6.0	6.3
Silver (µg/L)	12	0.0075	0.1075	0.0575	0.0575	0.1
Copper (µg/L)	12	10.0	15.5	12.3	10.0	2.8
Nickel (µg/L)	12	8.0	57.0	23.5	21.0	15.2
Lead (µg/L)	12	0.434	0.534	0.482	0.463	0.0

Table A-16. Water Quality Summary for SPRW-51

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>				
SPRW-51 (Downstream of Outfall BMWW-36)	Spring Creek	33.94799	-87.299566				
Parameter	N	Min	Max	Avg	Median	SD	
Physical							
Turbidity (NTU)	22	2.76	68.20	22.04	19.25	16.40	
Specific Conductance (µmhos)	22	688.6	1331	1022.6	1064.5	197.7	
Alkalinity (mg/L)	20	155.15	295.28	235.30	241.96	43.70	
Total Suspended Solids (mg/L)	20	1	41	13.5	11.5	11.6	
Total Dissolved Solids (mg/L)	20	494	924	705.50	720.00	146.51	
Hardness (mg/L)	12	346	622	498.0	524.5	110.8	
Chemical							
Dissolved Oxygen (mg/L)	22	5.50	23.78	10.28	10.07	3.975	
pH (SU)	22	7.20	8.21	7.59	7.54	0.26	
Sulfate (mg/L)	20	17.00	2400.00	1079.58	1150.00	732.74	
Chlorides (mg/L)	20	2.06	3.96	2.92	2.93	0.47	
Total Phosphorus (mg/L)	6	0.007	0.032	0.014	0.011	0.009	
Total Nitrogen (mg/L)	6	0.105	8.186	2.536	1.093	3.202	
Total Metals							
Aluminum (µg/L)	12	103	3680	854	432	1073	
Arsenic (µg/L)	12	0.066	0.796	0.305	0.287	0.242	
Beryllium (µg/L)	9	0.012	0.037	0.026	0.031	0.011	
Cadmium (µg/L)	12	0.011	0.074	0.024	0.023	0.017	
Chromium (µg/L)	12	4.500	16.000	11.667	14.500	5.374	
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000	
Iron (µg/L)	12	192.0	1540.0	636.8	463.0	452.9	
Manganese (µg/L)	12	56.0	1500.0	653.3	487.5	522.5	
Potassium (µg/L)	9	5850.0	13000.0	10558.9	10300.0	2256.2	
Sodium (µg/L)	9	16700	44600	29389	29000	10141	
Zinc (µg/L)	12	6.0	28.0	8.7	6.0	6.2	
Silver (µg/L)	13	0.0075	0.1355	0.0930	0.1075	0.0503	
Selenium (µg/L)	12	0.419	1.598	0.643	0.670	0.326	
Copper (µg/L)	12	10.0	15.5	12.3	10.0	2.832	
Nickel (µg/L)	12	8.0	61.0	27.0	21.0	14.225	
Lead (µg/L)	12	0.434	0.990	0.534	0.498	0.040	
Thallium (µg/L)	9	0.371	0.464	0.402	0.371	0.047	
Phenols (µg/L)	6	12.500	12.500	12.500	12.500	0.000	
Dissolved Metals							
Arsenic (µg/L)	6	0.090	0.490	0.351	0.398	0.157	
Cadmium (µg/L)	12	0.011	0.035	0.019	0.023	0.008	
Chromium (µg/L)	12	4.500	16.000	11.250	12.500	5.216	
Zinc (µg/L)	12	6.0	21.0	8.1	6.0	4.2	
Silver (µg/L)	12	0.0075	0.1075	0.0575	0.0575	0.1	
Copper (µg/L)	12	10.0	15.5	12.3	10.0	2.8	
Nickel (µg/L)	12	8.0	54.0	24.6	21.0	13.5	
Lead (µg/L)	12	0.434	0.534	0.482	0.463	0.0	

Table A-17. Water Quality Summary for CLCJ-1

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>
CLCJ-1 (Upstream of Outfall CHMJ-47)	Coal Creek	33.612475	-87.13851

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	24	0.81	16.30	4.60	3.72	3.16
Specific Conductance (µmhos)	24	412.0	3025	1420.6	1132.5	809.9
Alkalinity (mg/L)	22	39.11	367.01	164.17	127.50	99.60
Total Suspended Solids (mg/L)	22	0.3	107	10.4	1.5	24.1
Total Dissolved Solids (mg/L)	22	296	2820	1163.82	827.00	770.08
Hardness (mg/L)	13	227	1640	690.3	617.0	400.2
Chemical						
Dissolved Oxygen (mg/L)	23	7.46	12.93	9.75	9.61	1.654
pH (SU)	24	6.94	7.66	7.33	7.35	0.17
Sulfate (mg/L)	22	120.00	12000.00	3222.10	1850.00	3590.10
Chlorides (mg/L)	22	1.92	4.80	2.86	2.48	0.95
Total Phosphorus (mg/L)	6	0.007	0.011	0.009	0.010	0.002
Total Nitrogen (mg/L)	6	0.374	1.746	0.985	0.984	0.557
Total Metals						
Aluminum (µg/L)	14	50	894	237	157	240
Arsenic (µg/L)	14	0.066	0.398	0.127	0.066	0.117
Beryllium (µg/L)	12	0.012	0.392	0.055	0.031	0.107
Cadmium (µg/L)	14	0.011	0.076	0.034	0.023	0.022
Chromium (µg/L)	14	4.500	20.000	11.286	15.000	6.223
Cyanide (µg/L)	8	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	14	108.0	1180.0	270.8	179.5	281.0
Manganese (µg/L)	14	142.0	1150.0	369.3	208.0	305.3
Potassium (µg/L)	10	2100.0	8050.0	4340.0	3705.0	1834.7
Sodium (µg/L)	12	7260	54400	23293	17850	15245
Zinc (µg/L)	14	6.0	23.0	8.8	7.3	4.8
Silver (µg/L)	14	0.0075	0.1355	0.0778	0.1075	0.0555
Selenium (µg/L)	14	0.419	1.670	0.634	0.670	0.324
Copper (µg/L)	14	10.0	20.0	12.7	10.0	3.406
Nickel (µg/L)	14	8.0	44.0	19.1	21.0	9.469
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.038
Thallium (µg/L)	12	0.371	0.807	0.438	0.371	0.125
Phenols (µg/L)	8	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	14	0.011	0.060	0.030	0.023	0.018
Chromium (µg/L)	14	4.500	19.000	11.071	14.500	6.022
Zinc (µg/L)	14	6.0	19.0	8.4	7.3	3.8
Silver (µg/L)	14	0.0075	0.6030	0.0858	0.0075	0.2
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.7
Nickel (µg/L)	14	8.0	21.0	17.3	21.0	6.1
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-18. Water Quality Summary for CHMJ-47

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>
CHMJ-47 (Treatment Pond Outfall)	Downstream of CLCJ-1	33.609161	-87.135563

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	23	1.02	30.90	6.04	3.20	6.96
Specific Conductance (µmhos)	23	1705.0	2555	2200.9	2250.0	210.6
Alkalinity (mg/L)	21	62.17	159.00	110.62	113.19	26.53
Total Suspended Solids (mg/L)	21	0.3	64	7.0	3.0	13.6
Total Dissolved Solids (mg/L)	21	1330	2350	1958.29	1990.00	250.66
Hardness (mg/L)	12	940	1200	1059.4	1060.0	81.6
Chemical						
Dissolved Oxygen (mg/L)	22	6.91	16.75	11.81	12.03	2.429
pH (SU)	23	6.85	8.63	7.94	8.09	0.50
Sulfate (mg/L)	21	1060.20	12000.00	5718.89	6100.00	3534.02
Chlorides (mg/L)	21	2.91	5.04	3.74	3.71	0.49
Total Phosphorus (mg/L)	6	0.007	0.036	0.015	0.012	0.011
Total Nitrogen (mg/L)	6	1.875	6.799	4.798	5.574	1.954
Total Metals						
Aluminum (µg/L)	13	44	707	163	113	167
Arsenic (µg/L)	13	0.066	0.398	0.131	0.066	0.120
Beryllium (µg/L)	11	0.012	0.208	0.040	0.031	0.057
Cadmium (µg/L)	13	0.021	0.163	0.089	0.097	0.042
Chromium (µg/L)	13	4.500	20.000	14.962	16.000	3.918
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	9.5	946.0	133.9	62.0	248.0
Manganese (µg/L)	13	110.0	765.0	355.0	268.0	200.1
Potassium (µg/L)	11	5530.0	10300.0	7913.6	7320.0	1634.3
Sodium (µg/L)	11	26900	38200	32327	32200	3879
Zinc (µg/L)	13	6.0	43.0	24.4	23.0	12.4
Silver (µg/L)	13	0.0075	0.1355	0.0680	0.1075	0.0504
Selenium (µg/L)	13	0.419	2.221	0.910	0.670	0.590
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	21.0	64.0	33.9	21.0	15.494
Lead (µg/L)	13	0.463	1.220	0.548	0.463	0.205
Thallium (µg/L)	11	0.371	0.464	0.405	0.371	0.047
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	13	0.011	0.155	0.071	0.066	0.044
Chromium (µg/L)	13	4.500	19.000	13.846	16.000	4.483
Zinc (µg/L)	13	6.0	40.0	23.5	23.0	11.7
Silver (µg/L)	13	0.0075	0.1075	0.0550	0.0250	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	21.0	60.0	30.8	21.0	13.7
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-19. Water Quality Summary for CLCJ-3

<u>Station</u> CLCJ-3(Downstream of Outfall CHMJ-47)	<u>Locale</u> Coal Creek	<u>Latitude</u> 33.607237	<u>Longitude</u> -87.135261
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Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	22	1.71	7.12	3.75	3.55	1.44
Specific Conductance (µmhos)	22	339.5	2680	1102.8	924.2	617.2
Alkalinity (mg/L)	20	31.84	243.39	106.77	100.88	54.78
Total Suspended Solids (mg/L)	20	0.3	4	1.3	1.0	0.9
Total Dissolved Solids (mg/L)	20	240	2440	843.45	659.00	544.56
Hardness (mg/L)	13	229	1400	584.5	503.0	332.2
Chemical						
Dissolved Oxygen (mg/L)	21	4.81	13.19	9.73	9.80	2.231
pH (SU)	22	6.82	7.67	7.15	7.15	0.16
Sulfate (mg/L)	20	190.00	6900.00	2051.20	1250.00	2146.13
Chlorides (mg/L)	20	1.91	4.06	2.56	2.32	0.64
Total Phosphorus (mg/L)	6	0.006	0.010	0.008	0.008	0.002
Total Nitrogen (mg/L)	6	0.479	1.535	0.920	0.879	0.401
Total Metals						
Aluminum (µg/L)	13	79	187	137	153	37
Arsenic (µg/L)	12	0.066	0.398	0.137	0.089	0.124
Beryllium (µg/L)	11	0.012	0.193	0.039	0.031	0.053
Cadmium (µg/L)	13	0.023	0.181	0.076	0.047	0.061
Chromium (µg/L)	13	4.500	16.000	10.308	13.000	5.666
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	212.0	589.0	314.8	282.0	103.0
Manganese (µg/L)	13	287.0	1260.0	616.5	421.0	362.0
Potassium (µg/L)	11	2090.0	8190.0	4149.1	3490.0	1890.9
Sodium (µg/L)	11	7750	47400	18462	16100	11866
Zinc (µg/L)	13	6.0	29.0	10.4	6.0	7.4
Silver (µg/L)	13	0.0075	0.1355	0.0733	0.1075	0.0551
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	33.0	18.8	21.0	7.022
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.039
Thallium (µg/L)	11	0.371	0.464	0.405	0.371	0.047
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.209	0.140	0.151
Cadmium (µg/L)	13	0.011	0.158	0.061	0.033	0.054
Chromium (µg/L)	13	4.500	16.000	10.154	12.000	5.584
Zinc (µg/L)	13	6.0	22.0	9.8	6.0	5.9
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	30.0	18.4	21.0	6.6
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-20. Water Quality Summary for WIMJ-1

Station	Locale	Latitude	Longitude
WIMJ-1 (Treatment Pond Outfall)	Downstream of CLCJ-3	33.601111	-87.139167

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	15	1.32	1000.00	104.06	36.70	249.21
Specific Conductance (µmhos)	15	221.9	418.2	346.6	372.0	59.7
Alkalinity (mg/L)	13	33.35	508.10	104.09	61.50	125.72
Total Suspended Solids (mg/L)	13	3	147	38.4	15.0	45.3
Total Dissolved Solids (mg/L)	13	169	687	257.77	221.00	134.14
Hardness (mg/L)	9	99.8	166	125.4	120.0	21.0
Chemical						
Dissolved Oxygen (mg/L)	14	6.29	13.00	9.83	10.18	1.912
pH (SU)	15	6.21	7.99	7.07	7.07	0.56
Sulfate (mg/L)	13	20.00	1100.00	195.87	85.41	297.90
Chlorides (mg/L)	13	1.66	4.04	2.92	2.92	0.71
Total Phosphorus (mg/L)	5	0.014	0.069	0.042	0.042	0.023
Total Nitrogen (mg/L)	5	0.504	0.593	0.548	0.539	0.036
Total Metals						
Aluminum (µg/L)	9	84	1510	512	232	533
Arsenic (µg/L)	9	0.066	1.087	0.575	0.540	0.352
Beryllium (µg/L)	7	0.012	0.065	0.030	0.037	0.020
Cadmium (µg/L)	9	0.023	0.227	0.069	0.049	0.064
Chromium (µg/L)	9	4.500	16.000	10.889	16.000	6.061
Cyanide (µg/L)	4	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	9	438.0	1790.0	1116.9	1110.0	426.5
Manganese (µg/L)	9	556.0	2350.0	1296.7	990.0	717.7
Potassium (µg/L)	7	2880.0	12700.0	5480.0	4780.0	3309.8
Sodium (µg/L)	7	5540	83300	25237	7860	28697
Zinc (µg/L)	9	8.5	200.0	71.9	60.0	53.3
Silver (µg/L)	9	0.0075	0.1075	0.0631	0.0631	0.0527
Selenium (µg/L)	9	0.419	2.210	0.753	0.670	0.571
Copper (µg/L)	9	10.0	15.5	13.1	15.5	2.899
Nickel (µg/L)	9	8.0	38.0	17.1	21.0	10.179
Lead (µg/L)	9	0.463	2.540	1.033	0.960	0.694
Thallium (µg/L)	7	0.371	0.464	0.411	0.371	0.050
Phenols (µg/L)						
Dissolved Metals						
Arsenic (µg/L)	5	0.090	0.398	0.284	0.320	0.126
Cadmium (µg/L)	9	0.011	0.067	0.033	0.023	0.019
Chromium (µg/L)	9	4.500	16.000	10.889	16.000	6.061
Zinc (µg/L)	9	8.5	120.0	49.8	41.0	32.5
Silver (µg/L)	9	0.0075	0.1075	0.0631	0.0631	0.1
Copper (µg/L)	9	10.0	15.5	13.1	15.5	2.9
Nickel (µg/L)	9	8.0	28.0	16.0	21.0	7.9
Lead (µg/L)	9	0.434	0.534	0.491	0.463	0.0

Table A-21. Water Quality Summary for CLCJ-4

Station	Locale	Latitude	Longitude
CLCJ-4 (Downstream of Outfall WIMJ-1)	Coal Creek	33.600105	-87.138493

Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	24	2.16	18.80	5.42	4.26	3.63
Specific Conductance (µmhos)	24	333.4	2308	1086.8	932.9	544.5
Alkalinity (mg/L)	22	29.50	179.93	97.92	98.69	43.50
Total Suspended Solids (mg/L)	22	0.3	10	2.2	1.0	2.3
Total Dissolved Solids (mg/L)	22	236	2070	871.23	689.00	535.45
Hardness (mg/L)	13	233	1230	544.1	474.0	285.1
Chemical						
Dissolved Oxygen (mg/L)	23	6.74	14.11	9.83	9.47	2.321
pH (SU)	24	6.90	7.63	7.28	7.31	0.18
Sulfate (mg/L)	22	160.00	6900.00	2145.01	1200.00	2087.65
Chlorides (mg/L)	22	1.82	3.53	2.48	2.38	0.49
Total Phosphorus (mg/L)	6	0.007	0.010	0.009	0.010	0.001
Total Nitrogen (mg/L)	6	0.611	1.337	0.908	0.843	0.310
Total Metals						
Aluminum (µg/L)	14	58	321	146	130	60
Arsenic (µg/L)	14	0.066	0.398	0.143	0.066	0.130
Beryllium (µg/L)	12	0.012	0.317	0.049	0.031	0.085
Cadmium (µg/L)	14	0.011	0.083	0.042	0.043	0.019
Chromium (µg/L)	14	4.500	17.000	10.571	12.000	5.643
Cyanide (µg/L)	8	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	14	209.0	785.0	418.6	365.0	157.6
Manganese (µg/L)	14	337.0	847.0	477.5	429.5	145.7
Potassium (µg/L)	12	2210.0	7360.0	4240.8	4030.0	1652.8
Sodium (µg/L)	12	8090	40000	18482	16400	9687
Zinc (µg/L)	14	6.0	8.5	7.1	6.0	1.3
Silver (µg/L)	14	0.0075	0.1355	0.0778	0.1075	0.0555
Selenium (µg/L)	14	0.419	0.670	0.562	0.670	0.129
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.735
Nickel (µg/L)	14	8.0	29.0	18.7	21.0	6.195
Lead (µg/L)	13	0.434	0.990	0.528	0.463	0.139
Thallium (µg/L)	12	0.371	0.464	0.402	0.371	0.046
Phenols (µg/L)	8	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	14	0.011	0.059	0.027	0.023	0.016
Chromium (µg/L)	14	4.500	17.000	10.429	11.000	5.629
Zinc (µg/L)	14	6.0	16.0	7.6	6.0	2.7
Silver (µg/L)	14	0.0075	0.1075	0.0504	0.0075	0.1
Copper (µg/L)	14	10.0	15.5	12.0	10.0	2.7
Nickel (µg/L)	14	8.0	27.0	18.5	21.0	5.9
Lead (µg/L)	14	0.434	0.534	0.479	0.463	0.0

Table A-22. Water Quality Summary for BERT-4

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>			
BERT-4 (Ecoregion Reference Station)	Bear Creek	33.542447	-87.561669			
Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	32	3.34	50.20	11.53	8.90	9.71
Specific Conductance (µmhos)	32	36.9	134	65.9	60.5	24.0
Alkalinity (mg/L)	28	5.11	54.70	12.82	9.75	9.94
Total Suspended Solids (mg/L)	28	0.3	14	3.4	3.0	3.3
Total Dissolved Solids (mg/L)	28	20	83	55.00	53.50	16.16
Hardness (mg/L)	16	9.37	27.7	15.4	14.7	5.3
Chemical						
Dissolved Oxygen (mg/L)	32	7.12	14.38	9.55	9.22	1.963
pH (SU)	32	5.72	8.05	6.79	6.74	0.49
Sulfate (mg/L)	21	2.00	10.00	4.98	5.00	1.45
Chlorides (mg/L)	28	3.24	29.19	9.43	5.79	7.05
Total Phosphorus (mg/L)	13	0.006	0.031	0.015	0.012	0.008
Total Nitrogen (mg/L)	13	0.023	0.402	0.213	0.208	0.127
Total Metals						
Aluminum (µg/L)	16	22	1370	339	191	371
Arsenic (µg/L)	13	0.066	0.398	0.178	0.113	0.152
Beryllium (µg/L)	10	0.012	0.037	0.025	0.031	0.012
Cadmium (µg/L)	13	0.011	0.176	0.032	0.023	0.044
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	16	241.0	1860.0	655.6	548.0	423.0
Manganese (µg/L)	16	3.5	101.0	36.3	33.5	21.8
Potassium (µg/L)	10	558.0	2290.0	1341.5	1275.0	517.8
Sodium (µg/L)	10	3020	12900	6627	6200	3265
Zinc (µg/L)	13	6.0	28.0	8.7	6.0	5.9
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.039
Thallium (µg/L)	10	0.371	0.464	0.399	0.371	0.045
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	9	0.090	0.896	0.471	0.398	0.342
Cadmium (µg/L)	16	0.011	0.023	0.017	0.017	0.006
Chromium (µg/L)	16	4.500	16.000	8.094	4.500	5.505
Zinc (µg/L)	16	6.0	8.5	6.8	6.0	1.2
Silver (µg/L)	16	0.0075	0.8260	0.1024	0.0575	0.2
Copper (µg/L)	16	10.0	15.5	11.7	10.0	2.6
Nickel (µg/L)	16	8.0	21.0	16.9	21.0	6.2
Lead (µg/L)	16	0.434	0.534	0.471	0.463	0.0

Table A-23. Water Quality Summary for BRSL-3

<u>Station</u> BRSL-3 (Ecoregion Reference Station)	<u>Locale</u> Brushy Creek	<u>Latitude</u> 34.3307	<u>Longitude</u> -87.2862
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Parameter	N	Min	Max	Avg	Median	SD
Physical						
Turbidity (NTU)	22	1.72	71.10	6.80	3.50	14.46
Specific Conductance (µmhos)	22	17.8	61	31.1	27.0	12.4
Alkalinity (mg/L)	21	1.98	16.27	6.16	4.20	4.27
Total Suspended Solids (mg/L)	21	0.3	17	2.5	1.0	3.6
Total Dissolved Solids (mg/L)	21	1	63	27.67	25.00	15.54
Hardness (mg/L)	13	4.95	20.6	9.1	6.7	5.0
Chemical						
Dissolved Oxygen (mg/L)	22	6.93	12.06	9.87	10.16	1.474
pH (SU)	22	6.48	7.97	7.39	7.39	0.38
Sulfate (mg/L)	21	2.00	12.00	4.83	5.00	2.04
Chlorides (mg/L)	21	0.74	1.48	1.05	1.07	0.19
Total Phosphorus (mg/L)	6	0.004	0.009	0.006	0.006	0.002
Total Nitrogen (mg/L)	6	0.023	0.204	0.083	0.051	0.074
Total Metals						
Aluminum (µg/L)	13	22	143	91	85	41
Arsenic (µg/L)	13	0.066	1.128	0.206	0.113	0.296
Beryllium (µg/L)	10	0.012	0.113	0.035	0.031	0.029
Cadmium (µg/L)	13	0.011	0.023	0.020	0.023	0.005
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000
Iron (µg/L)	13	9.0	723.0	285.9	190.0	234.0
Manganese (µg/L)	13	10.0	43.0	15.9	13.0	8.9
Potassium (µg/L)	10	364.0	2470.0	943.1	791.0	629.0
Sodium (µg/L)	10	745	14800	2435	1026	4354
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1355	0.0832	0.1075	0.0538
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583
Lead (µg/L)	13	0.434	0.534	0.488	0.463	0.039
Thallium (µg/L)	10	0.371	0.464	0.399	0.371	0.045
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000
Dissolved Metals						
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159
Cadmium (µg/L)	13	0.011	0.023	0.017	0.011	0.006
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3
Silver (µg/L)	13	0.0075	0.1075	0.0537	0.0075	0.1
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.6
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0

Table A-24. Water Quality Summary for INMW-1

<u>Station</u>	<u>Locale</u>	<u>Latitude</u>	<u>Longitude</u>							
INMW-1 (Ecoregion Reference Station)	Inman Creek	34.2159	-87.224	Parameter	N	Min	Max	Avg	Median	SD
Physical										
Turbidity (NTU)	23	2.69	61.70	9.14	5.35	12.18				
Specific Conductance (µmhos)	23	24.9	50	34.7	35.0	6.7				
Alkalinity (mg/L)	21	3.98	11.10	6.40	5.99	1.93				
Total Suspended Solids (mg/L)	21	0.3	34	4.7	1.0	8.7				
Total Dissolved Solids (mg/L)	21	1	44	28.05	29.00	9.73				
Hardness (mg/L)	13	6.98	12.2	9.0	8.4	1.7				
Chemical										
Dissolved Oxygen (mg/L)	23	4.55	11.82	9.48	10.31	1.930				
pH (SU)	23	6.76	7.66	7.24	7.26	0.26				
Sulfate (mg/L)	21	2.13	8.00	4.45	5.00	1.24				
Chlorides (mg/L)	21	1.23	2.35	1.79	1.82	0.30				
Total Phosphorus (mg/L)	6	0.005	0.014	0.009	0.010	0.003				
Total Nitrogen (mg/L)	6	0.241	0.728	0.409	0.330	0.198				
Total Metals										
Aluminum (µg/L)	13	74	603	209	172	153				
Arsenic (µg/L)	13	0.066	0.398	0.165	0.113	0.126				
Beryllium (µg/L)	10	0.012	0.091	0.031	0.031	0.024				
Cadmium (µg/L)	13	0.011	0.023	0.019	0.021	0.006				
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823				
Cyanide (µg/L)	7	2.500	2.500	2.500	2.500	0.000				
Iron (µg/L)	13	51.0	700.0	282.4	188.0	228.3				
Manganese (µg/L)	13	3.5	139.0	26.3	11.0	40.8				
Potassium (µg/L)	10	777.0	2390.0	1375.4	1360.0	507.9				
Sodium (µg/L)	10	1140	1700	1451	1510	190				
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3				
Silver (µg/L)	14	0.0075	0.1355	0.0778	0.1075	0.0555				
Selenium (µg/L)	13	0.419	0.670	0.554	0.670	0.130				
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.785				
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.583				
Lead (µg/L)	13	0.434	1.350	0.556	0.463	0.267				
Thallium (µg/L)	10	0.371	0.464	0.399	0.371	0.045				
Phenols (µg/L)	7	12.500	12.500	12.500	12.500	0.000				
Dissolved Metals										
Arsenic (µg/L)	6	0.090	0.398	0.193	0.090	0.159				
Cadmium (µg/L)	13	0.011	0.023	0.017	0.011	0.006				
Chromium (µg/L)	13	4.500	16.000	8.923	4.500	5.823				
Zinc (µg/L)	13	6.0	8.5	7.0	6.0	1.3				
Silver (µg/L)	13	0.0075	0.3110	0.0785	0.0170	0.1				
Copper (µg/L)	13	10.0	15.5	12.1	10.0	2.8				
Nickel (µg/L)	13	8.0	21.0	16.0	21.0	6.6				
Lead (µg/L)	13	0.434	0.534	0.480	0.463	0.0				

Table A-25. Sediment Data

MDL		0.0015	0.004	0.1418	0.0023	0.0022	0.001	0.002	0.002	0.004	4.2	0.5	0.004	0.004	0.0925	0.1952	0.134	0.1085	0.001
Station ID	Date	Ag	Al	As	Be	Cd	Cr	Cu	Fe	Hg	K	Mn	Na	Ni	Pb	Sb	Se	Tl	Zn
BERT-4	2/22/2011	0.0008	3693.0	7.9400	0.6280	0.0293	23.90	8.230	18921.0	0.002	2002.0	210.0	3940.0	13.70	6.2500	0.2700	0.067	0.0543	25.1
BERT-4	8/25/2011	0.0008	2789.0	3.2700	0.4520	0.0340	7.94	4.360	9682.0	0.002	256.0	174.0	28.6	9.10	4.0500	0.0976	0.140	0.0543	16.3
INMW-1	8/9/2011	0.0008	894.0	0.9700		0.0180	2.22	1.060	3196.0	0.002		52.9		3.86	1.8200		0.067		4.7
INMW-1	3/15/2011	0.0008	2180.0	2.8800	0.3545	0.0280	8.80	2.160	8613.0	0.002		172.0		7.66	4.4400		0.280	0.0543	81.0
BRSL-3	8/9/2011	0.0008	594.0	0.5900		0.0200	0.19	0.670	1561.0	0.002		59.9		2.89	1.1800		0.067	0.0543	3.4
BRSL-3	3/15/2011	0.0008	610.0	0.5000	0.0799	0.0194	1.60	0.001	1136.0	0.002		36.7		0.00	1.0800		0.067		72.0
Eco_Avg		0.0008	1793.3	2.6917	0.3786	0.0248	7.44	2.747	7184.8	0.002	1129.0	117.6	1984.3	6.20	3.1367	0.1838	0.115	0.0543	33.8
BKRW-1	2/23/2011	0.0245	5124.0	5.7000	0.4496	0.0283	9.90	14.900	16382.0	0.002	2312.0	564.0	5078.0	17.70	11.0000	0.0976	0.260	0.0500	25.4
BKRW-1	8/8/2011	0.0060	5567.0	8.1200	0.6030	0.0360	13.20	13.500	19553.0	0.002	525.0	457.0	34.6	19.30	10.7000	0.0976	0.210	0.0543	38.5
BURW-1	2/23/2011	0.0026	5990.0	11.9000	0.8333	0.0475	22.30	16.200	29803.0	0.002	2517.0	523.0	7784.0	18.30	12.4000	0.3600	0.380	0.0500	44.7
CANW-51	2/22/2011	0.0020	7959.0	13.3000	1.2623	0.0800	28.20	17.200	31991.0	0.002	2419.0	1677.0	5936.0	35.20	234.0000	0.3600	0.610	0.0500	54.4
DRMW-12	2/22/2011	0.0235	13325.0	7.6800	0.7659	0.0881	19.90	35.100	22736.0	0.002	3485.0	1230.0	5870.0	46.10	3.6100	0.3600	0.900	0.0500	84.0
CHAW-2	8/8/2011	0.0008	3009.0	1.7300		0.0750	6.74	9.400	12626.0	0.002		315.0		23.00	7.1100		0.067		42.1
CHAW-2	3/16/2011	0.0008	1376.0	1.0600	0.1967	0.0362	3.20	1.020	2936.0	0.002		62.6		4.43	1.0900		0.160	0.0543	71.0
BWMW-21	8/8/2011	0.0270	7401.0	12.5000		0.0770	15.70	18.300	20247.0	0.002		3162.0		57.70	2.3300		0.180	0.0543	49.7
BWMW-21	3/16/2011	0.0068	9965.0	10.9000	0.7264	0.0744	16.90	19.900	21140.0	0.002		1853.0		54.30	0.4200		0.350	0.0543	150.0
CHAW-1	8/8/2011	0.0008	710.0	0.5300		0.0270	0.00	0.670	1317.0	0.002		58.8		2.88	1.4800		0.067		3.1
CHAW-1	3/16/2011	0.0030	1269.0	0.7300	0.1399	0.0284	2.60	1.110	2019.0	0.002		46.9		4.26	1.8700		0.067	0.0543	69.0
SPRW-52	8/8/2011	0.0008	2054.0	1.3100		0.0530	2.05	2.740	3737.0	0.002		187.0		9.59	3.3900		0.067		15.0
SPRW-52	3/16/2011	0.0008	1885.0	0.9300	0.2478	0.0440	3.00	1.550	2789.0	0.002		99.1		6.51	2.3300		0.170	0.0543	71.0
BWMW-36	3/16/2011	0.0284	10750.0	10.1000	1.0095	0.0960	20.00	26.600	24958.0	0.002		1122.0		60.30	0.3800		0.480		144.0
SPRW-51	8/8/2011	0.0060	6143.0	9.5800		0.1060	19.10	17.100	20218.0	0.002		933.0		47.40	8.8400		0.160		67.7
SPRW-51	3/16/2011	0.0154	7482.0	13.9000	0.6972	0.0837	26.70	17.800	22889.0	0.002		465.0		36.70	0.0463		0.490	0.0543	121.0
CLCJ-1	6/28/2011	0.0008	3345.0	4.3460	0.4100	0.0730	12.30	8.480	13669.0	0.002	371.0	1018.0	4525.0	28.90	0.0463	0.3400	0.215	0.0543	28.6
CLCJ-1	2/23/2011	0.0037	3141.0	4.5700	0.3240	0.0669	10.30	8.220	13179.0	0.002	2329.0	361.0	4836.0	21.50	5.9600	0.0976	0.210	0.0500	26.1
CLCJ-3	2/23/2011	0.0008	3435.0	6.5600	0.6396	0.1192	11.70	9.200	18030.0	0.002	1888.0	444.0	5836.0	23.00	6.8400	0.4000	0.210	0.0500	32.5
CLCJ-4	6/28/2011	0.0030	2792.0	3.9930	0.4460	0.1060	9.75	8.060	13123.0	0.002	339.0	1490.0	3534.0	30.60	0.0463	0.3100	0.067	0.0543	35.6
CLCJ-4	2/23/2011	0.0008	3398.0	4.4600	0.7333	0.1158	15.00	8.620	18189.0	0.002	2125.0	1206.0	5782.0	29.90	7.1600	0.0976	0.210	0.0500	44.6

Table A-26. Diurnal Study Data

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BERT-4	Bear Ck	09-05-2011 12:45:00	0.241	8.94	18.62	5.98	50	
BERT-4	Bear Ck	09-05-2011 13:00:00	0.234	9.02	18.72	6.65	50	
BERT-4	Bear Ck	09-05-2011 13:15:00	0.233	9.07	18.94	6.71	49	
BERT-4	Bear Ck	09-05-2011 13:30:00	0.231	9.14	19.14	6.73	49	
BERT-4	Bear Ck	09-05-2011 13:45:00	0.231	9.15	19.28	6.76	49	
BERT-4	Bear Ck	09-05-2011 14:00:00	0.231	9.05	19.47	6.76	49	
BERT-4	Bear Ck	09-05-2011 14:15:00	0.23	9.15	19.59	6.77	49	
BERT-4	Bear Ck	09-05-2011 14:30:00	0.229	9.16	19.7	6.79	49	
BERT-4	Bear Ck	09-05-2011 14:45:00	0.227	9.09	19.81	6.79	49	
BERT-4	Bear Ck	09-05-2011 15:00:00	0.227	9.11	19.9	6.79	49	
BERT-4	Bear Ck	09-05-2011 15:15:00	0.226	9.12	20.04	6.8	49	
BERT-4	Bear Ck	09-05-2011 15:30:00	0.226	9.08	20.11	6.81	49	
BERT-4	Bear Ck	09-05-2011 15:45:00	0.225	9.08	20.13	6.81	49	
BERT-4	Bear Ck	09-05-2011 16:00:00	0.224	9.08	20.13	6.81	50	
BERT-4	Bear Ck	09-05-2011 16:15:00	0.223	9.02	20.09	6.81	50	
BERT-4	Bear Ck	09-05-2011 16:30:00	0.223	9	20.06	6.81	50	
BERT-4	Bear Ck	09-05-2011 16:45:00	0.222	8.95	20.06	6.81	50	
BERT-4	Bear Ck	09-05-2011 17:00:00	0.221	8.97	20.06	6.8	50	
BERT-4	Bear Ck	09-05-2011 17:15:00	0.22	8.94	20.06	6.8	50	
BERT-4	Bear Ck	09-05-2011 17:30:00	0.219	8.93	20.06	6.79	50	
BERT-4	Bear Ck	09-05-2011 17:45:00	0.218	8.78	20.06	6.79	50	
BERT-4	Bear Ck	09-05-2011 18:00:00	0.216	8.82	20.06	6.79	50	
BERT-4	Bear Ck	09-05-2011 18:15:00	0.214	8.79	20.06	6.78	50	
BERT-4	Bear Ck	09-05-2011 18:30:00	0.211	8.78	20.04	6.78	49	
BERT-4	Bear Ck	09-05-2011 18:45:00	0.211	8.75	20.02	6.77	49	
BERT-4	Bear Ck	09-05-2011 19:00:00	0.211	8.7	20	6.76	49	
BERT-4	Bear Ck	09-05-2011 19:15:00	0.212	8.66	19.99	6.76	49	
BERT-4	Bear Ck	09-05-2011 19:30:00	0.211	8.65	19.98	6.76	49	
BERT-4	Bear Ck	09-05-2011 19:45:00	0.212	8.61	19.97	6.75	49	
BERT-4	Bear Ck	09-05-2011 20:00:00	0.213	8.58	19.96	6.74	49	
BERT-4	Bear Ck	09-05-2011 20:15:00	0.213	8.57	19.95	6.73	49	
BERT-4	Bear Ck	09-05-2011 20:30:00	0.214	8.59	19.92	6.73	49	
BERT-4	Bear Ck	09-05-2011 20:45:00	0.215	8.53	19.88	6.73	49	
BERT-4	Bear Ck	09-05-2011 21:00:00	0.216	8.59	19.83	6.72	49	
BERT-4	Bear Ck	09-05-2011 21:15:00	0.218	8.53	19.78	6.72	49	
BERT-4	Bear Ck	09-05-2011 21:30:00	0.218	8.52	19.73	6.73	49	
BERT-4	Bear Ck	09-05-2011 21:45:00	0.218	8.52	19.67	6.72	49	
BERT-4	Bear Ck	09-05-2011 22:00:00	0.22	8.51	19.62	6.73	49	
BERT-4	Bear Ck	09-05-2011 22:15:00	0.221	8.55	19.55	6.71	49	
BERT-4	Bear Ck	09-05-2011 22:30:00	0.221	8.54	19.5	6.72	49	
BERT-4	Bear Ck	09-05-2011 22:45:00	0.222	8.48	19.44	6.72	49	
BERT-4	Bear Ck	09-05-2011 23:00:00	0.223	8.53	19.39	6.72	49	
BERT-4	Bear Ck	09-05-2011 23:15:00	0.223	8.5	19.33	6.72	49	
BERT-4	Bear Ck	09-05-2011 23:30:00	0.223	8.53	19.27	6.71	49	
BERT-4	Bear Ck	09-05-2011 23:45:00	0.223	8.56	19.22	6.7	49	
BERT-4	Bear Ck	10-05-2011 00:00:00	0.223	8.5	19.17	6.71	49	
BERT-4	Bear Ck	10-05-2011 00:15:00	0.223	8.53	19.13	6.71	49	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BERT-4	Bear Ck	10-05-2011 00:30:00	0.224	8.51	19.08	6.71	49	
BERT-4	Bear Ck	10-05-2011 00:45:00	0.223	8.52	19.04	6.7	49	
BERT-4	Bear Ck	10-05-2011 01:00:00	0.221	8.52	19	6.71	49	
BERT-4	Bear Ck	10-05-2011 01:15:00	0.219	8.5	18.95	6.7	49	
BERT-4	Bear Ck	10-05-2011 01:30:00	0.218	8.5	18.91	6.7	49	
BERT-4	Bear Ck	10-05-2011 01:45:00	0.217	8.5	18.87	6.7	49	
BERT-4	Bear Ck	10-05-2011 02:00:00	0.216	8.51	18.84	6.7	49	
BERT-4	Bear Ck	10-05-2011 02:15:00	0.216	8.51	18.8	6.7	49	
BERT-4	Bear Ck	10-05-2011 02:30:00	0.215	8.49	18.76	6.69	49	
BERT-4	Bear Ck	10-05-2011 02:45:00	0.218	8.47	18.72	6.69	49	
BERT-4	Bear Ck	10-05-2011 03:00:00	0.217	8.5	18.68	6.69	49	
BERT-4	Bear Ck	10-05-2011 03:15:00	0.217	8.52	18.64	6.69	49	
BERT-4	Bear Ck	10-05-2011 03:30:00	0.218	8.5	18.6	6.69	49	
BERT-4	Bear Ck	10-05-2011 03:45:00	0.218	8.52	18.56	6.69	49	
BERT-4	Bear Ck	10-05-2011 04:00:00	0.22	8.52	18.52	6.69	49	
BERT-4	Bear Ck	10-05-2011 04:15:00	0.22	8.48	18.48	6.69	49	
BERT-4	Bear Ck	10-05-2011 04:30:00	0.22	8.49	18.44	6.69	49	
BERT-4	Bear Ck	10-05-2011 04:45:00	0.221	8.51	18.39	6.69	50	
BERT-4	Bear Ck	10-05-2011 05:00:00	0.223	8.53	18.35	6.68	50	
BERT-4	Bear Ck	10-05-2011 05:15:00	0.223	8.52	18.3	6.69	50	
BERT-4	Bear Ck	10-05-2011 05:30:00	0.225	8.53	18.25	6.68	50	
BERT-4	Bear Ck	10-05-2011 05:45:00	0.227	8.55	18.2	6.68	50	
BERT-4	Bear Ck	10-05-2011 06:00:00	0.228	8.57	18.16	6.68	50	
BERT-4	Bear Ck	10-05-2011 06:15:00	0.229	8.55	18.11	6.68	50	
BERT-4	Bear Ck	10-05-2011 06:30:00	0.23	8.54	18.07	6.69	50	
BERT-4	Bear Ck	10-05-2011 06:45:00	0.231	8.58	18.03	6.68	50	
BERT-4	Bear Ck	10-05-2011 07:00:00	0.233	8.57	17.99	6.69	50	
BERT-4	Bear Ck	10-05-2011 07:15:00	0.234	8.64	17.97	6.69	50	
BERT-4	Bear Ck	10-05-2011 07:30:00	0.236	8.64	17.96	6.69	50	
BERT-4	Bear Ck	10-05-2011 07:45:00	0.236	8.68	17.96	6.69	50	
BERT-4	Bear Ck	10-05-2011 08:00:00	0.237	8.7	17.97	6.69	50	
BERT-4	Bear Ck	10-05-2011 08:15:00	0.236	8.72	18.01	6.69	50	
BERT-4	Bear Ck	10-05-2011 08:30:00	0.236	8.74	18.05	6.7	50	
BERT-4	Bear Ck	10-05-2011 08:45:00	0.236	8.75	18.1	6.71	50	
BERT-4	Bear Ck	10-05-2011 09:00:00	0.237	8.8	18.17	6.71	50	
BERT-4	Bear Ck	10-05-2011 09:15:00	0.237	8.81	18.23	6.71	50	
BERT-4	Bear Ck	10-05-2011 09:30:00	0.236	8.84	18.31	6.71	50	
BERT-4	Bear Ck	10-05-2011 09:45:00	0.237	8.85	18.39	6.73	50	
BERT-4	Bear Ck	10-05-2011 10:00:00	0.238	8.88	18.47	6.73	50	
BERT-4	Bear Ck	10-05-2011 10:15:00	0.237	8.87	18.56	6.74	50	
BERT-4	Bear Ck	10-05-2011 10:30:00	0.238	8.88	18.65	6.74	50	
BERT-4	Bear Ck	10-05-2011 10:45:00	0.238	8.92	18.74	6.75	50	
BERT-4	Bear Ck	10-05-2011 11:00:00	0.238	8.93	18.85	6.75	50	
BERT-4	Bear Ck	10-05-2011 11:15:00	0.238	8.95	19	6.76	51	
BERT-4	Bear Ck	10-05-2011 11:30:00	0.238	8.95	19.13	6.76	51	
BERT-4	Bear Ck	10-05-2011 11:45:00	0.237	8.98	19.28	6.75	51	
BERT-4	Bear Ck	10-05-2011 12:00:00	0.236	9	19.37	6.77	51	
BERT-4	Bear Ck	10-05-2011 12:15:00	0.236	8.99	19.41	6.77	51	
BERT-4	Bear Ck	10-05-2011 12:30:00	0.234	9	19.62	6.79	51	
BERT-4	Bear Ck	10-05-2011 12:45:00	0.233	9.04	19.83	6.78	51	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BERT-4	Bear Ck	10-05-2011 13:00:00	0.233	9.04	19.91	6.79	51	
BERT-4	Bear Ck	10-05-2011 13:15:00	0.232	9.04	20.1	6.8	51	
BERT-4	Bear Ck	10-05-2011 13:30:00	0.231	9.03	20.26	6.81	51	
BERT-4	Bear Ck	10-05-2011 13:45:00	0.231	9	20.42	6.8	51	
BERT-4	Bear Ck	10-05-2011 14:00:00	0.23	9.01	20.56	6.81	51	
BERT-4	Bear Ck	10-05-2011 14:15:00	0.228	9.01	20.72	6.81	51	
BERT-4	Bear Ck	10-05-2011 14:30:00	0.228	9	20.85	6.82	51	
BERT-4	Bear Ck	10-05-2011 14:45:00	0.225	8.99	20.97	6.82	51	
BERT-4	Bear Ck	10-05-2011 15:00:00	0.224	8.98	21.07	6.82	51	
BERT-4	Bear Ck	10-05-2011 15:15:00	0.224	8.94	21.13	6.82	51	
BERT-4	Bear Ck	10-05-2011 15:30:00	0.221	8.95	21.21	6.82	51	
BERT-4	Bear Ck	10-05-2011 15:45:00	0.219	8.93	21.24	6.83	51	
BERT-4	Bear Ck	10-05-2011 16:00:00	0.218	8.89	21.25	6.83	51	
BERT-4	Bear Ck	10-05-2011 16:15:00	0.216	8.9	21.24	6.81	51	
BERT-4	Bear Ck	10-05-2011 16:30:00	0.216	8.84	21.22	6.82	51	
BERT-4	Bear Ck	10-05-2011 16:45:00	0.216	8.83	21.19	6.81	51	
BERT-4	Bear Ck	10-05-2011 17:00:00	0.216	8.79	21.16	6.81	51	
BERT-4	Bear Ck	10-05-2011 17:15:00	0.216	8.76	21.15	6.81	51	
BERT-4	Bear Ck	10-05-2011 17:30:00	0.215	8.71	21.14	6.79	51	
BERT-4	Bear Ck	10-05-2011 17:45:00	0.212	8.69	21.13	6.8	51	
BERT-4	Bear Ck	10-05-2011 18:00:00	0.212	8.65	21.12	6.78	51	
BERT-4	Bear Ck	10-05-2011 18:15:00	0.211	8.62	21.12	6.78	51	
BERT-4	Bear Ck	10-05-2011 18:30:00	0.21	8.59	21.1	6.78	51	
BERT-4	Bear Ck	10-05-2011 18:45:00	0.21	8.57	21.09	6.78	51	
BERT-4	Bear Ck	10-05-2011 19:00:00	0.21	8.54	21.06	6.77	51	
BERT-4	Bear Ck	10-05-2011 19:15:00	0.211	8.53	21.03	6.77	51	
BERT-4	Bear Ck	10-05-2011 19:30:00	0.212	8.52	21.01	6.74	51	
BERT-4	Bear Ck	10-05-2011 19:45:00	0.213	8.47	20.99	6.75	51	
BERT-4	Bear Ck	10-05-2011 20:00:00	0.214	8.45	20.97	6.75	51	
BERT-4	Bear Ck	10-05-2011 20:15:00	0.213	8.42	20.95	6.73	51	
BERT-4	Bear Ck	10-05-2011 20:30:00	0.214	8.39	20.94	6.73	51	
BERT-4	Bear Ck	10-05-2011 20:45:00	0.215	8.37	20.92	6.74	51	
BERT-4	Bear Ck	10-05-2011 21:00:00	0.216	8.36	20.89	6.73	51	
BERT-4	Bear Ck	10-05-2011 21:15:00	0.216	8.34	20.86	6.73	51	
BERT-4	Bear Ck	10-05-2011 21:30:00	0.218	8.34	20.82	6.72	50	
BERT-4	Bear Ck	10-05-2011 21:45:00	0.217	8.33	20.78	6.72	50	
BERT-4	Bear Ck	10-05-2011 22:00:00	0.217	8.31	20.73	6.72	50	
BERT-4	Bear Ck	10-05-2011 22:15:00	0.218	8.31	20.67	6.72	50	
BERT-4	Bear Ck	10-05-2011 22:30:00	0.217	8.31	20.62	6.71	50	
BERT-4	Bear Ck	10-05-2011 22:45:00	0.216	8.31	20.56	6.71	50	
BERT-4	Bear Ck	10-05-2011 23:00:00	0.214	8.3	20.5	6.71	50	
BERT-4	Bear Ck	10-05-2011 23:15:00	0.215	8.3	20.45	6.71	50	
BERT-4	Bear Ck	10-05-2011 23:30:00	0.214	8.31	20.39	6.71	50	
BERT-4	Bear Ck	10-05-2011 23:45:00	0.215	8.31	20.33	6.71	50	
BERT-4	Bear Ck	11-05-2011 00:00:00	0.214	8.31	20.27	6.7	51	
BERT-4	Bear Ck	11-05-2011 00:15:00	0.213	8.31	20.21	6.7	51	
BERT-4	Bear Ck	11-05-2011 00:30:00	0.212	8.31	20.15	6.71	51	
BERT-4	Bear Ck	11-05-2011 00:45:00	0.211	8.32	20.09	6.7	50	
BERT-4	Bear Ck	11-05-2011 01:00:00	0.209	8.31	20.03	6.7	51	
BERT-4	Bear Ck	11-05-2011 01:15:00	0.207	8.32	19.97	6.69	51	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BERT-4	Bear Ck	11-05-2011 01:30:00	0.208	8.32	19.91	6.69	51	
BERT-4	Bear Ck	11-05-2011 01:45:00	0.21	8.33	19.85	6.7	50	
BERT-4	Bear Ck	11-05-2011 02:00:00	0.21	8.32	19.79	6.69	50	
BERT-4	Bear Ck	11-05-2011 02:15:00	0.212	8.32	19.74	6.69	50	
BERT-4	Bear Ck	11-05-2011 02:30:00	0.213	8.33	19.68	6.69	50	
BERT-4	Bear Ck	11-05-2011 02:45:00	0.214	8.34	19.63	6.69	50	
BERT-4	Bear Ck	11-05-2011 03:00:00	0.216	8.33	19.58	6.69	50	
BERT-4	Bear Ck	11-05-2011 03:15:00	0.219	8.34	19.52	6.68	50	
BERT-4	Bear Ck	11-05-2011 03:30:00	0.22	8.34	19.48	6.68	50	
BERT-4	Bear Ck	11-05-2011 03:45:00	0.221	8.34	19.43	6.68	50	
BERT-4	Bear Ck	11-05-2011 04:00:00	0.221	8.34	19.38	6.68	50	
BERT-4	Bear Ck	11-05-2011 04:15:00	0.222	8.34	19.34	6.68	50	
BERT-4	Bear Ck	11-05-2011 04:30:00	0.222	8.35	19.29	6.69	51	
BERT-4	Bear Ck	11-05-2011 04:45:00	0.225	8.35	19.24	6.68	51	
BERT-4	Bear Ck	11-05-2011 05:00:00	0.225	8.35	19.2	6.68	51	
BERT-4	Bear Ck	11-05-2011 05:15:00	0.227	8.35	19.15	6.68	51	
BERT-4	Bear Ck	11-05-2011 05:30:00	0.227	8.35	19.11	6.68	51	
BERT-4	Bear Ck	11-05-2011 05:45:00	0.23	8.34	19.06	6.68	51	
BERT-4	Bear Ck	11-05-2011 06:00:00	0.232	8.36	19.01	6.67	51	
BERT-4	Bear Ck	11-05-2011 06:15:00	0.234	8.36	18.97	6.68	51	
BERT-4	Bear Ck	11-05-2011 06:30:00	0.234	8.38	18.92	6.68	51	
BERT-4	Bear Ck	11-05-2011 06:45:00	0.235	8.4	18.88	6.68	51	
BERT-4	Bear Ck	11-05-2011 07:00:00	0.236	8.41	18.85	6.68	51	
BERT-4	Bear Ck	11-05-2011 07:15:00	0.237	8.43	18.83	6.68	51	
BERT-4	Bear Ck	11-05-2011 07:30:00	0.239	8.44	18.81	6.68	51	
BERT-4	Bear Ck	11-05-2011 07:45:00	0.24	8.46	18.81	6.68	51	
BERT-4	Bear Ck	11-05-2011 08:00:00	0.243	8.49	18.83	6.69	51	
BERT-4	Bear Ck	11-05-2011 08:15:00	0.243	8.53	18.87	6.69	51	
BERT-4	Bear Ck	11-05-2011 08:30:00	0.243	8.55	18.92	6.7	51	
BERT-4	Bear Ck	11-05-2011 08:45:00	0.243	8.56	18.98	6.69	51	
BERT-4	Bear Ck	11-05-2011 09:00:00	0.243	8.59	19.06	6.7	51	
BERT-4	Bear Ck	11-05-2011 09:15:00	0.243	8.61	19.13	6.71	51	
BERT-4	Bear Ck	11-05-2011 09:30:00	0.244	8.63	19.21	6.71	51	
BERT-4	Bear Ck	11-05-2011 09:45:00	0.243	8.65	19.29	6.72	51	
BERT-4	Bear Ck	11-05-2011 10:00:00	0.243	8.67	19.39	6.73	51	
BERT-4	Bear Ck	11-05-2011 10:15:00	0.244	8.68	19.48	6.74	52	
BERT-4	Bear Ck	11-05-2011 10:30:00	0.243	8.72	19.58	6.74	52	
BERT-4	Bear Ck	11-05-2011 10:45:00	0.245	8.72	19.67	6.74	52	
BERT-4	Bear Ck	11-05-2011 11:00:00	0.245	8.75	19.78	6.75	52	
BERT-4	Bear Ck	11-05-2011 11:15:00	0.243	8.77	19.91	6.76	52	
BERT-4	Bear Ck	11-05-2011 11:30:00	0.243	8.76	20.07	6.75	52	
BERT-4	Bear Ck	11-05-2011 11:45:00	0.243	8.76	20.17	6.76	52	
BERT-4	Bear Ck	11-05-2011 12:00:00	0.24	8.79	20.24	6.76	52	
BERT-4	Bear Ck	11-05-2011 12:15:00	0.239	8.81	20.35	6.77	52	
BERT-4	Bear Ck	11-05-2011 12:30:00	0.237	8.83	20.49	6.78	52	
BERT-4	Bear Ck	11-05-2011 12:45:00	0.235	8.81	20.64	6.79	52	
BERT-4	Bear Ck	11-05-2011 13:00:00	0.231	8.81	20.81	6.79	52	
BERT-4	Bear Ck	11-05-2011 13:15:00	0.23	8.83	21.03	6.8	52	
BERT-4	Bear Ck	11-05-2011 13:30:00	0.228	8.83	21.23	6.81	52	
BERT-4	Bear Ck	11-05-2011 13:45:00	0.226	8.83	21.42	6.81	52	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BERT-4	Bear Ck	11-05-2011 14:00:00	0.227	8.81	21.62	6.8	52	
BERT-4	Bear Ck	11-05-2011 14:15:00	0.225	8.8	21.79	6.81	52	
BERT-4	Bear Ck	11-05-2011 14:30:00	0.223	8.79	21.95	6.81	52	
BERT-4	Bear Ck	11-05-2011 14:45:00	0.221	8.76	22.09	6.82	52	
BERT-4	Bear Ck	11-05-2011 15:00:00	0.219	8.77	22.22	6.82	52	
BERT-4	Bear Ck	11-05-2011 15:15:00	0.217	8.75	22.31	6.8	52	
BERT-4	Bear Ck	11-05-2011 15:30:00	0.217	8.73	22.37	6.82	52	
BERT-4	Bear Ck	11-05-2011 15:45:00	0.214	8.71	22.4	6.83	52	
BERT-4	Bear Ck	11-05-2011 16:00:00	0.213	8.69	22.41	6.83	52	
BERT-4	Bear Ck	11-05-2011 16:15:00	0.212	8.67	22.39	6.82	52	
BERT-4	Bear Ck	11-05-2011 16:30:00	0.211	8.63	22.34	6.82	52	
BERT-4	Bear Ck	11-05-2011 16:45:00	0.211	8.6	22.29	6.82	52	
BERT-4	Bear Ck	11-05-2011 17:00:00	0.209	8.56	22.23	6.82	52	
BERT-4	Bear Ck	11-05-2011 17:15:00	0.208	8.53	22.17	6.81	52	
BERT-4	Bear Ck	11-05-2011 17:30:00	0.207	8.49	22.11	6.8	52	
BERT-4	Bear Ck	11-05-2011 17:45:00	0.208	8.45	22.06	6.79	52	
BERT-4	Bear Ck	11-05-2011 18:00:00	0.208	8.43	22.03	6.79	52	
BERT-4	Bear Ck	11-05-2011 18:15:00	0.205	8.39	21.99	6.79	52	
BERT-4	Bear Ck	11-05-2011 18:30:00	0.204	8.35	21.95	6.78	52	
BERT-4	Bear Ck	11-05-2011 18:45:00	0.205	8.33	21.93	6.77	52	
BERT-4	Bear Ck	11-05-2011 19:00:00	0.207	8.31	21.91	6.76	52	
BERT-4	Bear Ck	11-05-2011 19:15:00	0.208	8.28	21.88	6.76	52	
BERT-4	Bear Ck	11-05-2011 19:30:00	0.21	8.26	21.85	6.76	52	
BERT-4	Bear Ck	11-05-2011 19:45:00	0.21	8.23	21.82	6.76	52	
BERT-4	Bear Ck	11-05-2011 20:00:00	0.212	8.21	21.79	6.74	52	
BERT-4	Bear Ck	11-05-2011 20:15:00	0.212	8.19	21.77	6.75	52	
BERT-4	Bear Ck	11-05-2011 20:30:00	0.213	8.18	21.74	6.73	52	
BERT-4	Bear Ck	11-05-2011 20:45:00	0.215	8.15	21.72	6.74	52	
BERT-4	Bear Ck	11-05-2011 21:00:00	0.217	8.13	21.68	6.73	52	
BERT-4	Bear Ck	11-05-2011 21:15:00	0.218	8.11	21.64	6.72	52	
BERT-4	Bear Ck	11-05-2011 21:30:00	0.219	8.11	21.59	6.73	52	
BERT-4	Bear Ck	11-05-2011 21:45:00	0.221	8.11	21.53	6.72	52	
BERT-4	Bear Ck	11-05-2011 22:00:00	0.222	8.11	21.46	6.72	52	
BERT-4	Bear Ck	11-05-2011 22:15:00	0.222	8.11	21.4	6.72	52	
BERT-4	Bear Ck	11-05-2011 22:30:00	0.221	8.11	21.33	6.72	52	
BERT-4	Bear Ck	11-05-2011 22:45:00	0.221	8.12	21.26	6.72	51	
BERT-4	Bear Ck	11-05-2011 23:00:00	0.22	8.11	21.2	6.72	51	
BERT-4	Bear Ck	11-05-2011 23:15:00	0.221	8.12	21.13	6.71	51	
BERT-4	Bear Ck	11-05-2011 23:30:00	0.219	8.12	21.06	6.7	52	
BERT-4	Bear Ck	11-05-2011 23:45:00	0.219	8.12	21	6.71	52	
BERT-4	Bear Ck	12-05-2011 00:00:00	0.218	8.12	20.94	6.7	52	
BERT-4	Bear Ck	12-05-2011 00:15:00	0.218	8.13	20.88	6.71	52	
BERT-4	Bear Ck	12-05-2011 00:30:00	0.218	8.13	20.82	6.71	51	
BERT-4	Bear Ck	12-05-2011 00:45:00	0.217	8.14	20.76	6.7	51	
BERT-4	Bear Ck	12-05-2011 01:00:00	0.217	8.13	20.7	6.7	51	
BERT-4	Bear Ck	12-05-2011 01:15:00	0.218	8.14	20.64	6.7	51	
BERT-4	Bear Ck	12-05-2011 01:30:00	0.218	8.13	20.57	6.69	51	
BERT-4	Bear Ck	12-05-2011 01:45:00	0.218	8.14	20.52	6.7	51	
BERT-4	Bear Ck	12-05-2011 02:00:00	0.218	8.15	20.46	6.69	51	
BERT-4	Bear Ck	12-05-2011 02:15:00	0.218	8.15	20.4	6.69	51	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BERT-4	Bear Ck	12-05-2011 02:30:00	0.216	8.16	20.35	6.7	52	
BERT-4	Bear Ck	12-05-2011 02:45:00	0.22	8.16	20.28	6.68	51	
BERT-4	Bear Ck	12-05-2011 03:00:00	0.221	8.17	20.23	6.7	51	
BERT-4	Bear Ck	12-05-2011 03:15:00	0.221	8.18	20.17	6.69	52	
BERT-4	Bear Ck	12-05-2011 03:30:00	0.22	8.17	20.11	6.69	52	
BERT-4	Bear Ck	12-05-2011 03:45:00	0.221	8.18	20.05	6.69	52	
BERT-4	Bear Ck	12-05-2011 04:00:00	0.222	8.17	20	6.69	52	
BERT-4	Bear Ck	12-05-2011 04:15:00	0.222	8.18	19.94	6.69	52	
BERT-4	Bear Ck	12-05-2011 04:30:00	0.222	8.18	19.89	6.69	51	
BERT-4	Bear Ck	12-05-2011 04:45:00	0.222	8.19	19.83	6.68	52	
BERT-4	Bear Ck	12-05-2011 05:00:00	0.222	8.17	19.78	6.68	51	
BERT-4	Bear Ck	12-05-2011 05:15:00	0.223	8.19	19.73	6.68	51	
BERT-4	Bear Ck	12-05-2011 05:30:00	0.226	8.19	19.68	6.68	51	
BERT-4	Bear Ck	12-05-2011 05:45:00	0.227	8.2	19.63	6.67	51	
BERT-4	Bear Ck	12-05-2011 06:00:00	0.229	8.18	19.59	6.67	51	
BERT-4	Bear Ck	12-05-2011 06:15:00	0.231	8.2	19.54	6.68	52	
BERT-4	Bear Ck	12-05-2011 06:30:00	0.233	8.21	19.5	6.68	52	
BERT-4	Bear Ck	12-05-2011 06:45:00	0.238	8.22	19.48	6.68	52	
BERT-4	Bear Ck	12-05-2011 07:00:00	0.24	8.24	19.45	6.68	52	
BERT-4	Bear Ck	12-05-2011 07:15:00	0.241	8.27	19.43	6.67	52	
BERT-4	Bear Ck	12-05-2011 07:30:00	0.241	8.28	19.42	6.68	52	
BERT-4	Bear Ck	12-05-2011 07:45:00	0.239	8.31	19.42	6.69	52	
BERT-4	Bear Ck	12-05-2011 08:00:00	0.238	8.34	19.45	6.68	52	
BERT-4	Bear Ck	12-05-2011 08:15:00	0.237	8.35	19.46	6.69	52	
BERT-4	Bear Ck	12-05-2011 08:30:00	0.236	8.38	19.48	6.69	52	
BERT-4	Bear Ck	12-05-2011 08:45:00	0.236	8.4	19.57	6.71	52	
BERT-4	Bear Ck	12-05-2011 09:00:00	0.235	8.46	19.65	6.7	52	
BERT-4	Bear Ck	12-05-2011 09:15:00	0.233	8.47	19.73	6.72	52	
BERT-4	Bear Ck	12-05-2011 09:30:00	0.233	8.49	19.81	6.71	52	
BERT-4	Bear Ck	12-05-2011 09:45:00	0.234	8.51	19.85	6.71	52	
BERT-4	Bear Ck	12-05-2011 10:00:00	0.232	8.53	19.96	6.73	52	
BERT-4	Bear Ck	12-05-2011 10:15:00	0.234	8.57	20.07	6.74	52	
BERT-4	Bear Ck	12-05-2011 10:30:00	0.233	8.59	20.15	6.74	52	
BERT-4	Bear Ck	12-05-2011 10:45:00	0.23	8.62	20.27	6.74	52	
BERT-4	Bear Ck	12-05-2011 11:00:00	0.228	8.63	20.41	6.75	52	
BERT-4	Bear Ck	12-05-2011 11:15:00	0.226	8.65	20.54	6.77	52	
BERT-4	Bear Ck	12-05-2011 11:30:00	0.22	8.65	20.69	6.78	53	
BERT-4	Bear Ck	12-05-2011 11:45:00	0.215	8.66	20.83	6.78	53	
BERT-4	Bear Ck	12-05-2011 12:00:00	0.221	8.67	20.97	6.76	53	
BERT-4	Bear Ck	12-05-2011 12:15:00	0.221	8.69	21.05	6.76	53	
BERT-4	Bear Ck	12-05-2011 12:30:00	0.222	8.68	21.01	6.78	53	
BERT-4	Bear Ck	12-05-2011 12:45:00	0.219	8.7	21.09	6.79	53	
BKRW-1	Baker Br	09-05-2011 15:15:00	0.12192	7.66	19.06	6.21	111	
BKRW-1	Baker Br	09-05-2011 15:30:00	0.12192	7.22	19.24	6.44	108	
BKRW-1	Baker Br	09-05-2011 15:45:00	0.12192	7.47	19.3	6.49	105	
BKRW-1	Baker Br	09-05-2011 16:00:00	0.12192	7.54	19.41	6.52	104	
BKRW-1	Baker Br	09-05-2011 16:15:00	0.12192	7.56	19.49	6.53	103	
BKRW-1	Baker Br	09-05-2011 16:30:00	0.12192	7.62	19.54	6.54	103	
BKRW-1	Baker Br	09-05-2011 16:45:00	0.12192	7.61	19.65	6.54	103	
BKRW-1	Baker Br	09-05-2011 17:00:00	0.12192	7.66	19.69	6.57	103	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BKRW-1	Baker Br	09-05-2011 17:15:00	0.12192	7.67	19.77	6.56	103	
BKRW-1	Baker Br	09-05-2011 17:30:00	0.12192	7.66	19.79	6.56	104	
BKRW-1	Baker Br	09-05-2011 17:45:00	0.12192	7.63	19.84	6.56	104	
BKRW-1	Baker Br	09-05-2011 18:00:00	0.12192	7.64	19.89	6.56	105	
BKRW-1	Baker Br	09-05-2011 18:15:00	0.12192	7.64	19.89	6.57	105	
BKRW-1	Baker Br	09-05-2011 18:30:00	0.12192	7.64	19.85	6.55	106	
BKRW-1	Baker Br	09-05-2011 18:45:00	0.12192	7.64	19.93	6.56	106	
BKRW-1	Baker Br	09-05-2011 19:00:00	0.12192	7.62	19.93	6.55	107	
BKRW-1	Baker Br	09-05-2011 19:15:00	0.12192	7.6	19.92	6.55	108	
BKRW-1	Baker Br	09-05-2011 19:30:00	0.12192	7.62	19.95	6.54	108	
BKRW-1	Baker Br	09-05-2011 19:45:00	0.12192	7.58	19.94	6.53	108	
BKRW-1	Baker Br	09-05-2011 20:00:00	0.12192	7.59	19.86	6.54	109	
BKRW-1	Baker Br	09-05-2011 20:15:00	0.12192	7.6	19.92	6.53	109	
BKRW-1	Baker Br	09-05-2011 20:30:00	0.12192	7.6	19.91	6.53	109	
BKRW-1	Baker Br	09-05-2011 20:45:00	0.12192	7.71	19.91	6.53	110	
BKRW-1	Baker Br	09-05-2011 21:00:00	0.12192	7.76	19.88	6.53	110	
BKRW-1	Baker Br	09-05-2011 21:15:00	0.12192	7.74	19.87	6.54	110	
BKRW-1	Baker Br	09-05-2011 21:30:00	0.12192	7.74	19.85	6.54	111	
BKRW-1	Baker Br	09-05-2011 21:45:00	0.12192	7.75	19.84	6.53	111	
BKRW-1	Baker Br	09-05-2011 22:00:00	0.12192	7.78	19.8	6.53	111	
BKRW-1	Baker Br	09-05-2011 22:15:00	0.12192	7.79	19.77	6.53	112	
BKRW-1	Baker Br	09-05-2011 22:30:00	0.12192	7.75	19.72	6.53	112	
BKRW-1	Baker Br	09-05-2011 22:45:00	0.12192	7.79	19.69	6.53	112	
BKRW-1	Baker Br	09-05-2011 23:00:00	0.12192	7.8	19.63	6.53	112	
BKRW-1	Baker Br	09-05-2011 23:15:00	0.12192	7.8	19.58	6.53	113	
BKRW-1	Baker Br	09-05-2011 23:30:00	0.12192	7.8	19.53	6.53	113	
BKRW-1	Baker Br	09-05-2011 23:45:00	0.12192	7.81	19.47	6.53	113	
BKRW-1	Baker Br	10-05-2011 00:00:00	0.12192	7.79	19.41	6.53	113	
BKRW-1	Baker Br	10-05-2011 00:15:00	0.12192	7.82	19.36	6.52	114	
BKRW-1	Baker Br	10-05-2011 00:30:00	0.12192	7.81	19.3	6.53	114	
BKRW-1	Baker Br	10-05-2011 00:45:00	0.12192	7.82	19.23	6.53	114	
BKRW-1	Baker Br	10-05-2011 01:00:00	0.12192	7.83	19.17	6.53	114	
BKRW-1	Baker Br	10-05-2011 01:15:00	0.12192	7.85	19.1	6.53	114	
BKRW-1	Baker Br	10-05-2011 01:30:00	0.12192	7.87	19.03	6.53	115	
BKRW-1	Baker Br	10-05-2011 01:45:00	0.12192	7.84	18.97	6.52	115	
BKRW-1	Baker Br	10-05-2011 02:00:00	0.12192	7.88	18.9	6.52	115	
BKRW-1	Baker Br	10-05-2011 02:15:00	0.12192	7.9	18.82	6.53	115	
BKRW-1	Baker Br	10-05-2011 02:30:00	0.12192	7.92	18.76	6.53	115	
BKRW-1	Baker Br	10-05-2011 02:45:00	0.12192	7.92	18.69	6.52	115	
BKRW-1	Baker Br	10-05-2011 03:00:00	0.12192	7.92	18.62	6.52	115	
BKRW-1	Baker Br	10-05-2011 03:15:00	0.12192	7.94	18.57	6.52	115	
BKRW-1	Baker Br	10-05-2011 03:30:00	0.12192	7.95	18.49	6.53	115	
BKRW-1	Baker Br	10-05-2011 03:45:00	0.12192	7.96	18.41	6.53	115	
BKRW-1	Baker Br	10-05-2011 04:00:00	0.12192	7.96	18.36	6.53	115	
BKRW-1	Baker Br	10-05-2011 04:15:00	0.12192	7.98	18.3	6.53	115	
BKRW-1	Baker Br	10-05-2011 04:30:00	0.12192	7.97	18.23	6.53	115	
BKRW-1	Baker Br	10-05-2011 04:45:00	0.12192	8	18.16	6.53	115	
BKRW-1	Baker Br	10-05-2011 05:00:00	0.12192	8.03	18.11	6.53	116	
BKRW-1	Baker Br	10-05-2011 05:15:00	0.12192	8.03	18.04	6.52	116	
BKRW-1	Baker Br	10-05-2011 05:30:00	0.12192	8.06	17.98	6.53	116	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BKRW-1	Baker Br	10-05-2011 05:45:00	0.12192	8.05	17.91	6.53	116	
BKRW-1	Baker Br	10-05-2011 06:00:00	0.12192	8.07	17.86	6.53	116	
BKRW-1	Baker Br	10-05-2011 06:15:00	0.12192	8.09	17.8	6.53	117	
BKRW-1	Baker Br	10-05-2011 06:30:00	0.12192	8.07	17.75	6.53	117	
BKRW-1	Baker Br	10-05-2011 06:45:00	0.12192	8.1	17.7	6.53	117	
BKRW-1	Baker Br	10-05-2011 07:00:00	0.12192	8.13	17.64	6.53	117	
BKRW-1	Baker Br	10-05-2011 07:15:00	0.12192	8.14	17.62	6.53	118	
BKRW-1	Baker Br	10-05-2011 07:30:00	0.12192	8.15	17.6	6.53	117	
BKRW-1	Baker Br	10-05-2011 07:45:00	0.12192	8.16	17.58	6.53	117	
BKRW-1	Baker Br	10-05-2011 08:00:00	0.12192	8.15	17.58	6.53	117	
BKRW-1	Baker Br	10-05-2011 08:15:00	0.12192	8.14	17.58	6.53	117	
BKRW-1	Baker Br	10-05-2011 08:30:00	0.12192	8.16	17.6	6.53	117	
BKRW-1	Baker Br	10-05-2011 08:45:00	0.12192	8.15	17.63	6.53	116	
BKRW-1	Baker Br	10-05-2011 09:00:00	0.12192	8.14	17.66	6.53	116	
BKRW-1	Baker Br	10-05-2011 09:15:00	0.12192	8.15	17.71	6.53	116	
BKRW-1	Baker Br	10-05-2011 09:30:00	0.12192	8.17	17.76	6.53	115	
BKRW-1	Baker Br	10-05-2011 09:45:00	0.12192	8.19	17.83	6.53	115	
BKRW-1	Baker Br	10-05-2011 10:00:00	0.12192	8.17	17.9	6.53	115	
BKRW-1	Baker Br	10-05-2011 10:15:00	0.12192	8.18	17.96	6.54	115	
BKRW-1	Baker Br	10-05-2011 10:30:00	0.12192	8.2	18.04	6.54	114	
BKRW-1	Baker Br	10-05-2011 10:45:00	0.12192	8.21	18.13	6.54	114	
BKRW-1	Baker Br	10-05-2011 11:00:00	0.12192	8.22	18.2	6.54	114	
BKRW-1	Baker Br	10-05-2011 11:15:00	0.12192	8.21	18.28	6.54	114	
BKRW-1	Baker Br	10-05-2011 11:30:00	0.12192	8.2	18.35	6.54	113	
BKRW-1	Baker Br	10-05-2011 11:45:00	0.12192	8.21	18.45	6.55	113	
BKRW-1	Baker Br	10-05-2011 12:00:00	0.12192	8.23	18.55	6.55	113	
BKRW-1	Baker Br	10-05-2011 12:15:00	0.12192	8.23	18.66	6.56	113	
BKRW-1	Baker Br	10-05-2011 12:30:00	0.12192	8.26	18.79	6.56	113	
BKRW-1	Baker Br	10-05-2011 12:45:00	0.12192	8.28	18.93	6.57	113	
BKRW-1	Baker Br	10-05-2011 13:00:00	0.12192	8.29	19.07	6.57	113	
BKRW-1	Baker Br	10-05-2011 13:15:00	0.12192	8.3	19.24	6.57	113	
BKRW-1	Baker Br	10-05-2011 13:30:00	0.12192	8.3	19.43	6.58	113	
BKRW-1	Baker Br	10-05-2011 13:45:00	0.12192	8.29	19.56	6.58	113	
BKRW-1	Baker Br	10-05-2011 14:00:00	0.12192	8.29	19.68	6.58	113	
BKRW-1	Baker Br	10-05-2011 14:15:00	0.12192	8.27	19.8	6.58	113	
BKRW-1	Baker Br	10-05-2011 14:30:00	0.12192	8.26	19.9	6.58	112	
BKRW-1	Baker Br	10-05-2011 14:45:00	0.12192	8.23	19.96	6.57	112	
BKRW-1	Baker Br	10-05-2011 15:00:00	0.12192	8.2	20.07	6.58	111	
BKRW-1	Baker Br	10-05-2011 15:15:00	0.12192	8.14	20.15	6.58	110	
BKRW-1	Baker Br	10-05-2011 15:30:00	0.12192	8.13	20.21	6.57	109	
BKRW-1	Baker Br	10-05-2011 15:45:00	0.12192	8.06	20.33	6.58	108	
BKRW-1	Baker Br	10-05-2011 16:00:00	0.12192	8.09	20.37	6.58	107	
BKRW-1	Baker Br	10-05-2011 16:15:00	0.12192	8.05	20.46	6.58	106	
BKRW-1	Baker Br	10-05-2011 16:30:00	0.12192	8	20.52	6.59	105	
BKRW-1	Baker Br	10-05-2011 16:45:00	0.12192	8	20.53	6.58	104	
BKRW-1	Baker Br	10-05-2011 17:00:00	0.12192	7.96	20.65	6.58	104	
BKRW-1	Baker Br	10-05-2011 17:15:00	0.12192	7.94	20.66	6.59	103	
BKRW-1	Baker Br	10-05-2011 17:30:00	0.12192	7.93	20.71	6.57	103	
BKRW-1	Baker Br	10-05-2011 17:45:00	0.12192	7.87	20.78	6.59	103	
BKRW-1	Baker Br	10-05-2011 18:00:00	0.12192	7.83	20.79	6.57	103	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BKRW-1	Baker Br	10-05-2011 18:15:00	0.12192	7.82	20.81	6.58	103	
BKRW-1	Baker Br	10-05-2011 18:30:00	0.12192	7.8	20.81	6.58	103	
BKRW-1	Baker Br	10-05-2011 18:45:00	0.12192	7.77	20.83	6.58	104	
BKRW-1	Baker Br	10-05-2011 19:00:00	0.12192	7.75	20.82	6.57	104	
BKRW-1	Baker Br	10-05-2011 19:15:00	0.12192	7.7	20.83	6.57	105	
BKRW-1	Baker Br	10-05-2011 19:30:00	0.12192	7.69	20.82	6.56	105	
BKRW-1	Baker Br	10-05-2011 19:45:00	0.12192	7.67	20.79	6.56	105	
BKRW-1	Baker Br	10-05-2011 20:00:00	0.12192	7.65	20.8	6.55	106	
BKRW-1	Baker Br	10-05-2011 20:15:00	0.12192	7.59	20.81	6.55	106	
BKRW-1	Baker Br	10-05-2011 20:30:00	0.12192	7.61	20.8	6.55	107	
BKRW-1	Baker Br	10-05-2011 20:45:00	0.12192	7.6	20.8	6.56	107	
BKRW-1	Baker Br	10-05-2011 21:00:00	0.12192	7.56	20.76	6.55	108	
BKRW-1	Baker Br	10-05-2011 21:15:00	0.12192	7.52	20.75	6.52	108	
BKRW-1	Baker Br	10-05-2011 21:30:00	0.12192	7.52	20.74	6.55	108	
BKRW-1	Baker Br	10-05-2011 21:45:00	0.12192	7.53	20.69	6.55	109	
BKRW-1	Baker Br	10-05-2011 22:00:00	0.12192	7.54	20.65	6.55	109	
BKRW-1	Baker Br	10-05-2011 22:15:00	0.12192	7.55	20.62	6.54	110	
BKRW-1	Baker Br	10-05-2011 22:30:00	0.12192	7.54	20.57	6.53	110	
BKRW-1	Baker Br	10-05-2011 22:45:00	0.12192	7.55	20.52	6.54	110	
BKRW-1	Baker Br	10-05-2011 23:00:00	0.12192	7.56	20.45	6.53	111	
BKRW-1	Baker Br	10-05-2011 23:15:00	0.12192	7.56	20.42	6.54	111	
BKRW-1	Baker Br	10-05-2011 23:30:00	0.12192	7.55	20.36	6.54	111	
BKRW-1	Baker Br	10-05-2011 23:45:00	0.12192	7.55	20.31	6.54	112	
BKRW-1	Baker Br	11-05-2011 00:00:00	0.12192	7.57	20.25	6.54	112	
BKRW-1	Baker Br	11-05-2011 00:15:00	0.12192	7.57	20.19	6.54	112	
BKRW-1	Baker Br	11-05-2011 00:30:00	0.12192	7.56	20.12	6.54	112	
BKRW-1	Baker Br	11-05-2011 00:45:00	0.12192	7.59	20.07	6.54	113	
BKRW-1	Baker Br	11-05-2011 01:00:00	0.12192	7.58	20	6.54	113	
BKRW-1	Baker Br	11-05-2011 01:15:00	0.12192	7.59	19.94	6.54	113	
BKRW-1	Baker Br	11-05-2011 01:30:00	0.12192	7.6	19.87	6.53	113	
BKRW-1	Baker Br	11-05-2011 01:45:00	0.12192	7.61	19.81	6.53	113	
BKRW-1	Baker Br	11-05-2011 02:00:00	0.12192	7.61	19.74	6.53	114	
BKRW-1	Baker Br	11-05-2011 02:15:00	0.12192	7.63	19.69	6.53	114	
BKRW-1	Baker Br	11-05-2011 02:30:00	0.12192	7.64	19.62	6.54	114	
BKRW-1	Baker Br	11-05-2011 02:45:00	0.12192	7.65	19.56	6.53	114	
BKRW-1	Baker Br	11-05-2011 03:00:00	0.12192	7.66	19.49	6.53	114	
BKRW-1	Baker Br	11-05-2011 03:15:00	0.12192	7.68	19.4	6.53	114	
BKRW-1	Baker Br	11-05-2011 03:30:00	0.12192	7.69	19.35	6.53	114	
BKRW-1	Baker Br	11-05-2011 03:45:00	0.12192	7.71	19.27	6.54	115	
BKRW-1	Baker Br	11-05-2011 04:00:00	0.12192	7.73	19.21	6.54	115	
BKRW-1	Baker Br	11-05-2011 04:15:00	0.12192	7.71	19.14	6.54	115	
BKRW-1	Baker Br	11-05-2011 04:30:00	0.12192	7.76	19.07	6.54	115	
BKRW-1	Baker Br	11-05-2011 04:45:00	0.12192	7.75	19	6.53	115	
BKRW-1	Baker Br	11-05-2011 05:00:00	0.12192	7.78	18.94	6.54	115	
BKRW-1	Baker Br	11-05-2011 05:15:00	0.12192	7.81	18.86	6.54	115	
BKRW-1	Baker Br	11-05-2011 05:30:00	0.12192	7.83	18.78	6.54	115	
BKRW-1	Baker Br	11-05-2011 05:45:00	0.12192	7.82	18.74	6.54	115	
BKRW-1	Baker Br	11-05-2011 06:00:00	0.12192	7.85	18.67	6.53	116	
BKRW-1	Baker Br	11-05-2011 06:15:00	0.12192	7.87	18.61	6.54	116	
BKRW-1	Baker Br	11-05-2011 06:30:00	0.12192	7.89	18.54	6.54	116	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BKRW-1	Baker Br	11-05-2011 06:45:00	0.12192	7.89	18.49	6.54	116	
BKRW-1	Baker Br	11-05-2011 07:00:00	0.12192	7.92	18.44	6.54	116	
BKRW-1	Baker Br	11-05-2011 07:15:00	0.12192	7.92	18.41	6.54	116	
BKRW-1	Baker Br	11-05-2011 07:30:00	0.12192	7.95	18.38	6.55	117	
BKRW-1	Baker Br	11-05-2011 07:45:00	0.12192	7.98	18.36	6.55	117	
BKRW-1	Baker Br	11-05-2011 08:00:00	0.12192	7.99	18.35	6.55	117	
BKRW-1	Baker Br	11-05-2011 08:15:00	0.12192	7.99	18.36	6.55	117	
BKRW-1	Baker Br	11-05-2011 08:30:00	0.12192	7.98	18.37	6.54	117	
BKRW-1	Baker Br	11-05-2011 08:45:00	0.12192	7.97	18.4	6.55	117	
BKRW-1	Baker Br	11-05-2011 09:00:00	0.12192	7.98	18.43	6.55	117	
BKRW-1	Baker Br	11-05-2011 09:15:00	0.12192	7.99	18.47	6.54	118	
BKRW-1	Baker Br	11-05-2011 09:30:00	0.12192	7.98	18.52	6.54	118	
BKRW-1	Baker Br	11-05-2011 09:45:00	0.12192	7.98	18.57	6.55	118	
BKRW-1	Baker Br	11-05-2011 10:00:00	0.12192	8	18.63	6.55	117	
BKRW-1	Baker Br	11-05-2011 10:15:00	0.12192	8	18.69	6.55	117	
BKRW-1	Baker Br	11-05-2011 10:30:00	0.12192	8.02	18.75	6.55	117	
BKRW-1	Baker Br	11-05-2011 10:45:00	0.12192	8.02	18.83	6.55	117	
BKRW-1	Baker Br	11-05-2011 11:00:00	0.12192	8.02	18.9	6.55	117	
BKRW-1	Baker Br	11-05-2011 11:15:00	0.12192	8.03	18.99	6.56	117	
BKRW-1	Baker Br	11-05-2011 11:30:00	0.12192	7.99	19.07	6.56	116	
BKRW-1	Baker Br	11-05-2011 11:45:00	0.12192	8.01	19.15	6.56	116	
BKRW-1	Baker Br	11-05-2011 12:00:00	0.12192	8.01	19.27	6.56	116	
BKRW-1	Baker Br	11-05-2011 12:15:00	0.12192	8.03	19.36	6.57	116	
BKRW-1	Baker Br	11-05-2011 12:30:00	0.12192	8.03	19.48	6.57	116	
BKRW-1	Baker Br	11-05-2011 12:45:00	0.12192	8.04	19.62	6.57	115	
BKRW-1	Baker Br	11-05-2011 13:00:00	0.12192	8.07	19.78	6.58	115	
BKRW-1	Baker Br	11-05-2011 13:15:00	0.12192	8.05	19.92	6.58	115	
BKRW-1	Baker Br	11-05-2011 13:30:00	0.12192	8.08	20.08	6.58	115	
BKRW-1	Baker Br	11-05-2011 13:45:00	0.12192	8.06	20.24	6.58	115	
BKRW-1	Baker Br	11-05-2011 14:00:00	0.12192	8.06	20.39	6.58	115	
BKRW-1	Baker Br	11-05-2011 14:15:00	0.12192	8.04	20.49	6.58	115	
BKRW-1	Baker Br	11-05-2011 14:30:00	0.12192	8	20.61	6.58	114	
BKRW-1	Baker Br	11-05-2011 14:45:00	0.12192	7.99	20.68	6.58	114	
BKRW-1	Baker Br	11-05-2011 15:00:00	0.12192	7.97	20.76	6.58	114	
BKRW-1	Baker Br	11-05-2011 15:15:00	0.12192	7.95	20.85	6.58	114	
BKRW-1	Baker Br	11-05-2011 15:30:00	0.12192	7.93	20.89	6.58	113	
BKRW-1	Baker Br	11-05-2011 15:45:00	0.12192	7.89	21	6.58	113	
BKRW-1	Baker Br	11-05-2011 16:00:00	0.12192	7.89	21.05	6.58	112	
BKRW-1	Baker Br	11-05-2011 16:15:00	0.12192	7.85	21.07	6.59	112	
BKRW-1	Baker Br	11-05-2011 16:30:00	0.12192	7.85	21.11	6.59	111	
BKRW-1	Baker Br	11-05-2011 16:45:00	0.12192	7.79	21.16	6.58	110	
BKRW-1	Baker Br	11-05-2011 17:00:00	0.12192	7.77	21.21	6.58	110	
BKRW-1	Baker Br	11-05-2011 17:15:00	0.12192	7.76	21.26	6.58	109	
BKRW-1	Baker Br	11-05-2011 17:30:00	0.12192	7.68	21.26	6.58	108	
BKRW-1	Baker Br	11-05-2011 17:45:00	0.12192	7.68	21.3	6.56	107	
BKRW-1	Baker Br	11-05-2011 18:00:00	0.12192	7.66	21.3	6.57	107	
BKRW-1	Baker Br	11-05-2011 18:15:00	0.12192	7.67	21.29	6.57	106	
BKRW-1	Baker Br	11-05-2011 18:30:00	0.12192	7.65	21.26	6.56	106	
BKRW-1	Baker Br	11-05-2011 18:45:00	0.12192	7.59	21.33	6.56	105	
BKRW-1	Baker Br	11-05-2011 19:00:00	0.12192	7.59	21.33	6.56	105	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BKRW-1	Baker Br	11-05-2011 19:15:00	0.12192	7.57	21.32	6.56	105	
BKRW-1	Baker Br	11-05-2011 19:30:00	0.12192	7.55	21.3	6.56	105	
BKRW-1	Baker Br	11-05-2011 19:45:00	0.12192	7.52	21.27	6.56	105	
BKRW-1	Baker Br	11-05-2011 20:00:00	0.12192	7.5	21.25	6.55	105	
BKRW-1	Baker Br	11-05-2011 20:15:00	0.12192	7.47	21.23	6.54	105	
BKRW-1	Baker Br	11-05-2011 20:30:00	0.12192	7.47	21.25	6.56	105	
BKRW-1	Baker Br	11-05-2011 20:45:00	0.12192	7.44	21.22	6.55	105	
BKRW-1	Baker Br	11-05-2011 21:00:00	0.12192	7.41	21.16	6.54	106	
BKRW-1	Baker Br	11-05-2011 21:15:00	0.12192	7.38	21.16	6.53	106	
BKRW-1	Baker Br	11-05-2011 21:30:00	0.12192	7.41	21.13	6.55	106	
BKRW-1	Baker Br	11-05-2011 21:45:00	0.12192	7.38	21.05	6.54	106	
BKRW-1	Baker Br	11-05-2011 22:00:00	0.12192	7.39	21.06	6.55	106	
BKRW-1	Baker Br	11-05-2011 22:15:00	0.12192	7.35	21	6.55	107	
BKRW-1	Baker Br	11-05-2011 22:30:00	0.12192	7.38	20.96	6.55	107	
BKRW-1	Baker Br	11-05-2011 22:45:00	0.12192	7.37	20.9	6.55	107	
BKRW-1	Baker Br	11-05-2011 23:00:00	0.12192	7.37	20.85	6.55	107	
BKRW-1	Baker Br	11-05-2011 23:15:00	0.12192	7.35	20.78	6.55	108	
BKRW-1	Baker Br	11-05-2011 23:30:00	0.12192	7.4	20.74	6.55	108	
BKRW-1	Baker Br	11-05-2011 23:45:00	0.12192	7.35	20.69	6.55	108	
BKRW-1	Baker Br	12-05-2011 00:00:00	0.12192	7.35	20.63	6.55	109	
BKRW-1	Baker Br	12-05-2011 00:15:00	0.12192	7.34	20.57	6.54	109	
BKRW-1	Baker Br	12-05-2011 00:30:00	0.12192	7.38	20.52	6.55	109	
BKRW-1	Baker Br	12-05-2011 00:45:00	0.12192	7.37	20.47	6.54	109	
BKRW-1	Baker Br	12-05-2011 01:00:00	0.12192	7.38	20.4	6.54	110	
BKRW-1	Baker Br	12-05-2011 01:15:00	0.12192	7.4	20.35	6.54	110	
BKRW-1	Baker Br	12-05-2011 01:30:00	0.12192	7.41	20.3	6.54	110	
BKRW-1	Baker Br	12-05-2011 01:45:00	0.12192	7.39	20.23	6.54	110	
BKRW-1	Baker Br	12-05-2011 02:00:00	0.12192	7.44	20.17	6.55	111	
BKRW-1	Baker Br	12-05-2011 02:15:00	0.12192	7.44	20.12	6.55	111	
BKRW-1	Baker Br	12-05-2011 02:30:00	0.12192	7.44	20.05	6.55	111	
BKRW-1	Baker Br	12-05-2011 02:45:00	0.12192	7.46	19.99	6.55	111	
BKRW-1	Baker Br	12-05-2011 03:00:00	0.12192	7.45	19.92	6.55	111	
BKRW-1	Baker Br	12-05-2011 03:15:00	0.12192	7.47	19.86	6.55	112	
BKRW-1	Baker Br	12-05-2011 03:30:00	0.12192	7.47	19.8	6.54	112	
BKRW-1	Baker Br	12-05-2011 03:45:00	0.12192	7.49	19.74	6.54	112	
BKRW-1	Baker Br	12-05-2011 04:00:00	0.12192	7.51	19.67	6.54	112	
BKRW-1	Baker Br	12-05-2011 04:15:00	0.12192	7.5	19.61	6.54	112	
BKRW-1	Baker Br	12-05-2011 04:30:00	0.12192	7.52	19.54	6.54	113	
BKRW-1	Baker Br	12-05-2011 04:45:00	0.12192	7.53	19.48	6.54	113	
BKRW-1	Baker Br	12-05-2011 05:00:00	0.12192	7.58	19.39	6.55	113	
BKRW-1	Baker Br	12-05-2011 05:15:00	0.12192	7.55	19.36	6.54	113	
BKRW-1	Baker Br	12-05-2011 05:30:00	0.12192	7.57	19.29	6.54	113	
BKRW-1	Baker Br	12-05-2011 05:45:00	0.12192	7.6	19.23	6.54	114	
BKRW-1	Baker Br	12-05-2011 06:00:00	0.12192	7.64	19.17	6.55	114	
BKRW-1	Baker Br	12-05-2011 06:15:00	0.12192	7.62	19.12	6.54	114	
BKRW-1	Baker Br	12-05-2011 06:30:00	0.12192	7.64	19.07	6.55	114	
BKRW-1	Baker Br	12-05-2011 06:45:00	0.12192	7.69	19	6.54	114	
BKRW-1	Baker Br	12-05-2011 07:00:00	0.12192	7.68	18.98	6.54	115	
BKRW-1	Baker Br	12-05-2011 07:15:00	0.12192	7.7	18.96	6.55	115	
BKRW-1	Baker Br	12-05-2011 07:30:00	0.12192	7.71	18.93	6.55	115	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BKRW-1	Baker Br	12-05-2011 07:45:00	0.12192	7.71	18.93	6.55	115	
BKRW-1	Baker Br	12-05-2011 08:00:00	0.12192	7.72	18.93	6.55	115	
BKRW-1	Baker Br	12-05-2011 08:15:00	0.12192	7.73	18.93	6.55	115	
BKRW-1	Baker Br	12-05-2011 08:30:00	0.12192	7.73	18.94	6.54	115	
BKRW-1	Baker Br	12-05-2011 08:45:00	0.12192	7.73	18.96	6.54	116	
BKRW-1	Baker Br	12-05-2011 09:00:00	0.12192	7.74	18.98	6.54	116	
BKRW-1	Baker Br	12-05-2011 09:15:00	0.12192	7.74	19.01	6.54	116	
BKRW-1	Baker Br	12-05-2011 09:30:00	0.12192	7.74	19.05	6.54	116	
BKRW-1	Baker Br	12-05-2011 09:45:00	0.12192	7.73	19.09	6.54	116	
BKRW-1	Baker Br	12-05-2011 10:00:00	0.12192	7.74	19.14	6.54	116	
BKRW-1	Baker Br	12-05-2011 10:15:00	0.12192	7.75	19.2	6.55	116	
BKRW-1	Baker Br	12-05-2011 10:30:00	0.12192	7.77	19.25	6.55	116	
BKRW-1	Baker Br	12-05-2011 10:45:00	0.12192	7.75	19.31	6.55	116	
BKRW-1	Baker Br	12-05-2011 11:00:00	0.12192	7.8	19.36	6.55	116	
BKRW-1	Baker Br	12-05-2011 11:15:00	0.12192	7.78	19.44	6.55	116	
BKRW-1	Baker Br	12-05-2011 11:30:00	0.12192	7.8	19.52	6.55	116	
BKRW-1	Baker Br	12-05-2011 11:45:00	0.12192	7.77	19.6	6.55	116	
BKRW-1	Baker Br	12-05-2011 12:00:00	0.12192	7.8	19.67	6.56	116	
BKRW-1	Baker Br	12-05-2011 12:15:00	0.12192	7.8	19.77	6.56	116	
BKRW-1	Baker Br	12-05-2011 12:30:00	0.12192	7.83	19.88	6.57	116	
BKRW-1	Baker Br	12-05-2011 12:45:00	0.12192	7.85	19.99	6.57	116	
BKRW-1	Baker Br	12-05-2011 13:00:00	0.12192	7.88	20.1	6.58	116	
BKRW-1	Baker Br	12-05-2011 13:15:00	0.12192	7.86	20.17	6.57	116	
BKRW-1	Baker Br	12-05-2011 13:30:00	0.12192	7.89	20.28	6.58	115	
BKRW-1	Baker Br	12-05-2011 13:45:00	0.12192	7.88	20.34	6.57	115	
BKRW-1	Baker Br	12-05-2011 14:00:00	0.12192	7.85	20.46	6.58	115	
BKRW-1	Baker Br	12-05-2011 14:15:00	0.12192	7.87	20.49	6.59	115	
BKRW-1	Baker Br	12-05-2011 14:30:00	0.12192	7.85	20.54	6.58	115	
BKRW-1	Baker Br	12-05-2011 14:45:00	0.12192	7.82	20.59	6.59	115	
BKRW-1	Baker Br	12-05-2011 15:00:00	0.12192	7.84	20.67	6.59	115	
BKRW-1	Baker Br	12-05-2011 15:15:00	0.12192	7.82	20.73	6.6	115	
BRSL-3	Brushy Ck	23-05-2011 12:00:00	0.12192	8.61	18.68	5.57	37	
BRSL-3	Brushy Ck	23-05-2011 12:15:00	0.12192	8.61	18.79	5.82	36	
BRSL-3	Brushy Ck	23-05-2011 12:30:00	0.12192	8.64	18.89	6.12	36	
BRSL-3	Brushy Ck	23-05-2011 12:45:00	0.12192	8.66	18.98	6.33	36	
BRSL-3	Brushy Ck	23-05-2011 13:00:00	0.12192	8.68	19.07	6.4	36	
BRSL-3	Brushy Ck	23-05-2011 13:15:00	0.12192	8.68	19.14	6.43	36	
BRSL-3	Brushy Ck	23-05-2011 13:30:00	0.12192	8.71	19.23	6.46	36	
BRSL-3	Brushy Ck	23-05-2011 13:45:00	0.12192	8.75	19.34	6.47	36	
BRSL-3	Brushy Ck	23-05-2011 14:00:00	0.12192	8.72	19.42	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 14:15:00	0.12192	8.71	19.5	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 14:30:00	0.12192	8.71	19.6	6.52	36	
BRSL-3	Brushy Ck	23-05-2011 14:45:00	0.12192	8.72	19.7	6.52	36	
BRSL-3	Brushy Ck	23-05-2011 15:00:00	0.12192	8.7	19.78	6.52	36	
BRSL-3	Brushy Ck	23-05-2011 15:15:00	0.12192	8.71	19.84	6.51	36	
BRSL-3	Brushy Ck	23-05-2011 15:30:00	0.12192	8.68	19.88	6.5	36	
BRSL-3	Brushy Ck	23-05-2011 15:45:00	0.12192	8.63	19.87	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 16:00:00	0.12192	8.65	19.88	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 16:15:00	0.12192	8.61	19.88	6.5	36	
BRSL-3	Brushy Ck	23-05-2011 16:30:00	0.12192	8.56	19.89	6.49	36	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BRSL-3	Brushy Ck	23-05-2011 16:45:00	0.12192	8.6	19.89	6.51	36	
BRSL-3	Brushy Ck	23-05-2011 17:00:00	0.12192	8.57	19.89	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 17:15:00	0.12192	8.53	19.88	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 17:30:00	0.12192	8.53	19.89	6.48	36	
BRSL-3	Brushy Ck	23-05-2011 17:45:00	0.12192	8.5	19.89	6.48	36	
BRSL-3	Brushy Ck	23-05-2011 18:00:00	0.12192	8.5	19.88	6.49	36	
BRSL-3	Brushy Ck	23-05-2011 18:15:00	0.12192	8.5	19.86	6.47	36	
BRSL-3	Brushy Ck	23-05-2011 18:30:00	0.12192	8.47	19.83	6.47	36	
BRSL-3	Brushy Ck	23-05-2011 18:45:00	0.12192	8.47	19.81	6.46	36	
BRSL-3	Brushy Ck	23-05-2011 19:00:00	0.12192	8.49	19.79	6.45	36	
BRSL-3	Brushy Ck	23-05-2011 19:15:00	0.12192	8.46	19.76	6.46	36	
BRSL-3	Brushy Ck	23-05-2011 19:30:00	0.12192	8.46	19.72	6.46	36	
BRSL-3	Brushy Ck	23-05-2011 19:45:00	0.12192	8.44	19.69	6.45	36	
BRSL-3	Brushy Ck	23-05-2011 20:00:00	0.12192	8.45	19.65	6.43	36	
BRSL-3	Brushy Ck	23-05-2011 20:15:00	0.12192	8.43	19.61	6.44	36	
BRSL-3	Brushy Ck	23-05-2011 20:30:00	0.12192	8.45	19.57	6.43	36	
BRSL-3	Brushy Ck	23-05-2011 20:45:00	0.12192	8.44	19.54	6.43	36	
BRSL-3	Brushy Ck	23-05-2011 21:00:00	0.12192	8.45	19.5	6.42	36	
BRSL-3	Brushy Ck	23-05-2011 21:15:00	0.12192	8.45	19.47	6.43	37	
BRSL-3	Brushy Ck	23-05-2011 21:30:00	0.12192	8.44	19.43	6.42	37	
BRSL-3	Brushy Ck	23-05-2011 21:45:00	0.12192	8.45	19.4	6.44	37	
BRSL-3	Brushy Ck	23-05-2011 22:00:00	0.12192	8.45	19.37	6.43	37	
BRSL-3	Brushy Ck	23-05-2011 22:15:00	0.12192	8.47	19.34	6.45	37	
BRSL-3	Brushy Ck	23-05-2011 22:30:00	0.12192	8.47	19.31	6.44	36	
BRSL-3	Brushy Ck	23-05-2011 22:45:00	0.12192	8.48	19.29	6.45	37	
BRSL-3	Brushy Ck	23-05-2011 23:00:00	0.12192	8.44	19.26	6.45	37	
BRSL-3	Brushy Ck	23-05-2011 23:15:00	0.12192	8.49	19.23	6.44	36	
BRSL-3	Brushy Ck	23-05-2011 23:30:00	0.12192	8.49	19.21	6.45	36	
BRSL-3	Brushy Ck	23-05-2011 23:45:00	0.12192	8.5	19.18	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 00:00:00	0.12192	8.5	19.15	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 00:15:00	0.12192	8.49	19.12	6.44	36	
BRSL-3	Brushy Ck	24-05-2011 00:30:00	0.12192	8.52	19.09	6.44	37	
BRSL-3	Brushy Ck	24-05-2011 00:45:00	0.12192	8.51	19.07	6.44	36	
BRSL-3	Brushy Ck	24-05-2011 01:00:00	0.12192	8.53	19.04	6.44	36	
BRSL-3	Brushy Ck	24-05-2011 01:15:00	0.12192	8.51	19.01	6.45	36	
BRSL-3	Brushy Ck	24-05-2011 01:30:00	0.12192	8.51	18.98	6.44	36	
BRSL-3	Brushy Ck	24-05-2011 01:45:00	0.12192	8.53	18.95	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 02:00:00	0.12192	8.54	18.92	6.44	36	
BRSL-3	Brushy Ck	24-05-2011 02:15:00	0.12192	8.52	18.89	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 02:30:00	0.12192	8.54	18.87	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 02:45:00	0.12192	8.56	18.84	6.44	36	
BRSL-3	Brushy Ck	24-05-2011 03:00:00	0.12192	8.55	18.81	6.42	36	
BRSL-3	Brushy Ck	24-05-2011 03:15:00	0.12192	8.57	18.78	6.42	36	
BRSL-3	Brushy Ck	24-05-2011 03:30:00	0.12192	8.55	18.75	6.42	36	
BRSL-3	Brushy Ck	24-05-2011 03:45:00	0.12192	8.58	18.72	6.42	36	
BRSL-3	Brushy Ck	24-05-2011 04:00:00	0.12192	8.56	18.7	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 04:15:00	0.12192	8.58	18.68	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 04:30:00	0.12192	8.58	18.66	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 04:45:00	0.12192	8.57	18.64	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 05:00:00	0.12192	8.59	18.62	6.43	36	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BRSL-3	Brushy Ck	24-05-2011 05:15:00	0.12192	8.6	18.6	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 05:30:00	0.12192	8.6	18.59	6.43	37	
BRSL-3	Brushy Ck	24-05-2011 05:45:00	0.12192	8.61	18.56	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 06:00:00	0.12192	8.62	18.54	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 06:15:00	0.12192	8.63	18.52	6.42	36	
BRSL-3	Brushy Ck	24-05-2011 06:30:00	0.12192	8.63	18.51	6.42	36	
BRSL-3	Brushy Ck	24-05-2011 06:45:00	0.12192	8.64	18.5	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 07:00:00	0.12192	8.63	18.49	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 07:15:00	0.12192	8.65	18.5	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 07:30:00	0.12192	8.66	18.51	6.43	37	
BRSL-3	Brushy Ck	24-05-2011 07:45:00	0.12192	8.66	18.52	6.43	36	
BRSL-3	Brushy Ck	24-05-2011 08:00:00	0.12192	8.65	18.52	6.44	37	
BRSL-3	Brushy Ck	24-05-2011 08:15:00	0.12192	8.67	18.54	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 08:30:00	0.12192	8.65	18.55	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 08:45:00	0.12192	8.67	18.57	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 09:00:00	0.12192	8.67	18.6	6.44	37	
BRSL-3	Brushy Ck	24-05-2011 09:15:00	0.12192	8.68	18.62	6.44	37	
BRSL-3	Brushy Ck	24-05-2011 09:30:00	0.12192	8.69	18.65	6.44	37	
BRSL-3	Brushy Ck	24-05-2011 09:45:00	0.12192	8.68	18.68	6.44	37	
BRSL-3	Brushy Ck	24-05-2011 10:00:00	0.12192	8.69	18.7	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 10:15:00	0.12192	8.69	18.74	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 10:30:00	0.12192	8.68	18.79	6.46	37	
BRSL-3	Brushy Ck	24-05-2011 10:45:00	0.12192	8.7	18.83	6.47	37	
BRSL-3	Brushy Ck	24-05-2011 11:00:00	0.12192	8.72	18.9	6.49	37	
BRSL-3	Brushy Ck	24-05-2011 11:15:00	0.12192	8.73	18.98	6.5	37	
BRSL-3	Brushy Ck	24-05-2011 11:30:00	0.12192	8.72	19.07	6.5	37	
BRSL-3	Brushy Ck	24-05-2011 11:45:00	0.12192	8.74	19.17	6.51	37	
BRSL-3	Brushy Ck	24-05-2011 12:00:00	0.12192	8.74	19.31	6.53	37	
BRSL-3	Brushy Ck	24-05-2011 12:15:00	0.12192	8.74	19.44	6.53	37	
BRSL-3	Brushy Ck	24-05-2011 12:30:00	0.12192	8.73	19.54	6.54	37	
BRSL-3	Brushy Ck	24-05-2011 12:45:00	0.12192	8.73	19.66	6.54	37	
BRSL-3	Brushy Ck	24-05-2011 13:00:00	0.12192	8.74	19.77	6.55	37	
BRSL-3	Brushy Ck	24-05-2011 13:15:00	0.12192	8.72	19.89	6.55	37	
BRSL-3	Brushy Ck	24-05-2011 13:30:00	0.12192	8.72	20.03	6.55	37	
BRSL-3	Brushy Ck	24-05-2011 13:45:00	0.12192	8.7	20.16	6.57	37	
BRSL-3	Brushy Ck	24-05-2011 14:00:00	0.12192	8.71	20.27	6.55	37	
BRSL-3	Brushy Ck	24-05-2011 14:15:00	0.12192	8.68	20.38	6.56	37	
BRSL-3	Brushy Ck	24-05-2011 14:30:00	0.12192	8.65	20.49	6.56	37	
BRSL-3	Brushy Ck	24-05-2011 14:45:00	0.12192	8.64	20.6	6.56	37	
BRSL-3	Brushy Ck	24-05-2011 15:00:00	0.12192	8.63	20.68	6.57	37	
BRSL-3	Brushy Ck	24-05-2011 15:15:00	0.12192	8.61	20.72	6.57	37	
BRSL-3	Brushy Ck	24-05-2011 15:30:00	0.12192	8.59	20.74	6.55	37	
BRSL-3	Brushy Ck	24-05-2011 15:45:00	0.12192	8.57	20.7	6.54	37	
BRSL-3	Brushy Ck	24-05-2011 16:00:00	0.12192	8.54	20.66	6.55	37	
BRSL-3	Brushy Ck	24-05-2011 16:15:00	0.12192	8.51	20.63	6.52	37	
BRSL-3	Brushy Ck	24-05-2011 16:30:00	0.12192	8.5	20.64	6.53	37	
BRSL-3	Brushy Ck	24-05-2011 16:45:00	0.12192	8.48	20.63	6.54	37	
BRSL-3	Brushy Ck	24-05-2011 17:00:00	0.12192	8.46	20.62	6.54	37	
BRSL-3	Brushy Ck	24-05-2011 17:15:00	0.12192	8.44	20.61	6.54	37	
BRSL-3	Brushy Ck	24-05-2011 17:30:00	0.12192	8.43	20.6	6.52	37	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BRSL-3	Brushy Ck	24-05-2011 17:45:00	0.12192	8.41	20.59	6.52	37	
BRSL-3	Brushy Ck	24-05-2011 18:00:00	0.12192	8.39	20.56	6.51	37	
BRSL-3	Brushy Ck	24-05-2011 18:15:00	0.12192	8.38	20.54	6.51	37	
BRSL-3	Brushy Ck	24-05-2011 18:30:00	0.12192	8.37	20.51	6.51	37	
BRSL-3	Brushy Ck	24-05-2011 18:45:00	0.12192	8.36	20.48	6.5	37	
BRSL-3	Brushy Ck	24-05-2011 19:00:00	0.12192	8.35	20.44	6.5	37	
BRSL-3	Brushy Ck	24-05-2011 19:15:00	0.12192	8.34	20.41	6.49	37	
BRSL-3	Brushy Ck	24-05-2011 19:30:00	0.12192	8.33	20.38	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 19:45:00	0.12192	8.33	20.34	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 20:00:00	0.12192	8.32	20.31	6.46	37	
BRSL-3	Brushy Ck	24-05-2011 20:15:00	0.12192	8.33	20.27	6.47	37	
BRSL-3	Brushy Ck	24-05-2011 20:30:00	0.12192	8.31	20.23	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 20:45:00	0.12192	8.3	20.2	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 21:00:00	0.12192	8.31	20.17	6.45	37	
BRSL-3	Brushy Ck	24-05-2011 21:15:00	0.12192	8.32	20.13	6.46	37	
BRSL-3	Brushy Ck	24-05-2011 21:30:00	0.12192	8.32	20.09	6.47	37	
BRSL-3	Brushy Ck	24-05-2011 21:45:00	0.12192	8.34	20.06	6.47	37	
BRSL-3	Brushy Ck	24-05-2011 22:00:00	0.12192	8.32	20.02	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 22:15:00	0.12192	8.33	19.98	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 22:30:00	0.12192	8.34	19.93	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 22:45:00	0.12192	8.35	19.89	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 23:00:00	0.12192	8.35	19.85	6.47	37	
BRSL-3	Brushy Ck	24-05-2011 23:15:00	0.12192	8.36	19.81	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 23:30:00	0.12192	8.36	19.76	6.48	37	
BRSL-3	Brushy Ck	24-05-2011 23:45:00	0.12192	8.36	19.72	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 00:00:00	0.12192	8.37	19.68	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 00:15:00	0.12192	8.37	19.64	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 00:30:00	0.12192	8.38	19.61	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 00:45:00	0.12192	8.39	19.57	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 01:00:00	0.12192	8.4	19.54	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 01:15:00	0.12192	8.39	19.51	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 01:30:00	0.12192	8.4	19.47	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 01:45:00	0.12192	8.39	19.44	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 02:00:00	0.12192	8.41	19.41	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 02:15:00	0.12192	8.42	19.38	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 02:30:00	0.12192	8.42	19.35	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 02:45:00	0.12192	8.42	19.31	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 03:00:00	0.12192	8.44	19.28	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 03:15:00	0.12192	8.43	19.26	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 03:30:00	0.12192	8.45	19.23	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 03:45:00	0.12192	8.44	19.2	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 04:00:00	0.12192	8.45	19.18	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 04:15:00	0.12192	8.45	19.16	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 04:30:00	0.12192	8.46	19.14	6.48	37	
BRSL-3	Brushy Ck	25-05-2011 04:45:00	0.12192	8.46	19.12	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 05:00:00	0.12192	8.46	19.09	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 05:15:00	0.12192	8.47	19.08	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 05:30:00	0.12192	8.48	19.06	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 05:45:00	0.12192	8.48	19.05	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 06:00:00	0.12192	8.47	19.05	6.47	37	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BRSL-3	Brushy Ck	25-05-2011 06:15:00	0.12192	8.49	19.05	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 06:30:00	0.12192	8.48	19.04	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 06:45:00	0.12192	8.49	19.04	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 07:00:00	0.12192	8.49	19.04	6.45	37	
BRSL-3	Brushy Ck	25-05-2011 07:15:00	0.12192	8.49	19.05	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 07:30:00	0.12192	8.51	19.06	6.45	37	
BRSL-3	Brushy Ck	25-05-2011 07:45:00	0.12192	8.49	19.08	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 08:00:00	0.12192	8.51	19.1	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 08:15:00	0.12192	8.5	19.12	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 08:30:00	0.12192	8.52	19.15	6.46	37	
BRSL-3	Brushy Ck	25-05-2011 08:45:00	0.12192	8.52	19.19	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 09:00:00	0.12192	8.53	19.23	6.47	37	
BRSL-3	Brushy Ck	25-05-2011 09:15:00	0.12192	8.54	19.29	6.5	37	
BRSL-3	Brushy Ck	25-05-2011 09:30:00	0.12192	8.54	19.34	6.5	37	
BRSL-3	Brushy Ck	25-05-2011 09:45:00	0.12192	8.55	19.4	6.51	37	
BRSL-3	Brushy Ck	25-05-2011 10:00:00	0.12192	8.56	19.47	6.51	37	
BRSL-3	Brushy Ck	25-05-2011 10:15:00	0.12192	8.55	19.53	6.51	37	
BRSL-3	Brushy Ck	25-05-2011 10:30:00	0.12192	8.56	19.58	6.52	37	
BRSL-3	Brushy Ck	25-05-2011 10:45:00	0.12192	8.56	19.66	6.53	37	
BRSL-3	Brushy Ck	25-05-2011 11:00:00	0.12192	8.55	19.71	6.53	37	
BRSL-3	Brushy Ck	25-05-2011 11:15:00	0.12192	8.55	19.77	6.54	37	
BRSL-3	Brushy Ck	25-05-2011 11:30:00	0.12192	8.57	19.85	6.54	37	
BRSL-3	Brushy Ck	25-05-2011 11:45:00	0.12192	8.55	19.91	6.55	37	
BRSL-3	Brushy Ck	25-05-2011 12:00:00	0.12192	8.58	20	6.55	37	
BRSL-3	Brushy Ck	25-05-2011 12:15:00	0.12192	8.56	20.08	6.57	37	
BRSL-3	Brushy Ck	25-05-2011 12:30:00	0.12192	8.56	20.21	6.57	37	
BRSL-3	Brushy Ck	25-05-2011 12:45:00	0.12192	8.55	20.32	6.57	37	
BRSL-3	Brushy Ck	25-05-2011 13:00:00	0.12192	8.55	20.41	6.58	37	
BRSL-3	Brushy Ck	25-05-2011 13:15:00	0.12192	8.54	20.54	6.59	37	
BRSL-3	Brushy Ck	25-05-2011 13:30:00	0.12192	8.54	20.65	6.59	37	
BRSL-3	Brushy Ck	25-05-2011 13:45:00	0.12192	8.53	20.77	6.59	37	
BRSL-3	Brushy Ck	25-05-2011 14:00:00	0.12192	8.54	20.89	6.59	37	
BRSL-3	Brushy Ck	25-05-2011 14:15:00	0.12192	8.51	21.02	6.59	37	
BRSL-3	Brushy Ck	25-05-2011 14:30:00	0.12192	8.48	21.14	6.61	37	
BRSL-3	Brushy Ck	25-05-2011 14:45:00	0.12192	8.5	21.22	6.59	37	
BRSL-3	Brushy Ck	25-05-2011 15:00:00	0.12192	8.48	21.31	6.61	37	
BRSL-3	Brushy Ck	25-05-2011 15:15:00	0.12192	8.47	21.36	6.6	37	
BRSL-3	Brushy Ck	25-05-2011 15:30:00	0.12192	8.45	21.38	6.58	37	
BRSL-3	Brushy Ck	25-05-2011 15:45:00	0.12192	8.43	21.36	6.58	37	
BRSL-3	Brushy Ck	25-05-2011 16:00:00	0.12192	8.4	21.31	6.57	37	
BRSL-3	Brushy Ck	25-05-2011 16:15:00	0.12192	8.38	21.29	6.56	38	
BRSL-3	Brushy Ck	25-05-2011 16:30:00	0.12192	8.35	21.3	6.58	38	
BRSL-3	Brushy Ck	25-05-2011 16:45:00	0.12192	8.34	21.29	6.57	38	
BRSL-3	Brushy Ck	25-05-2011 17:00:00	0.12192	8.32	21.28	6.56	38	
BRSL-3	Brushy Ck	25-05-2011 17:15:00	0.12192	8.3	21.28	6.56	38	
BRSL-3	Brushy Ck	25-05-2011 17:30:00	0.12192	8.28	21.27	6.56	38	
BRSL-3	Brushy Ck	25-05-2011 17:45:00	0.12192	8.26	21.26	6.56	38	
BRSL-3	Brushy Ck	25-05-2011 18:00:00	0.12192	8.23	21.25	6.56	38	
BRSL-3	Brushy Ck	25-05-2011 18:15:00	0.12192	8.21	21.22	6.54	38	
BRSL-3	Brushy Ck	25-05-2011 18:30:00	0.12192	8.21	21.19	6.54	38	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BRSL-3	Brushy Ck	25-05-2011 18:45:00	0.12192	8.19	21.16	6.53	38	
BRSL-3	Brushy Ck	25-05-2011 19:00:00	0.12192	8.17	21.13	6.54	38	
BRSL-3	Brushy Ck	25-05-2011 19:15:00	0.12192	8.16	21.1	6.53	38	
BRSL-3	Brushy Ck	25-05-2011 19:30:00	0.12192	8.16	21.07	6.52	38	
BRSL-3	Brushy Ck	25-05-2011 19:45:00	0.12192	8.14	21.03	6.51	38	
BRSL-3	Brushy Ck	25-05-2011 20:00:00	0.12192	8.14	21	6.51	38	
BRSL-3	Brushy Ck	25-05-2011 20:15:00	0.12192	8.14	20.97	6.5	38	
BRSL-3	Brushy Ck	25-05-2011 20:30:00	0.12192	8.13	20.94	6.5	38	
BRSL-3	Brushy Ck	25-05-2011 20:45:00	0.12192	8.13	20.91	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 21:00:00	0.12192	8.12	20.87	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 21:15:00	0.12192	8.13	20.84	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 21:30:00	0.12192	8.12	20.81	6.48	38	
BRSL-3	Brushy Ck	25-05-2011 21:45:00	0.12192	8.13	20.79	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 22:00:00	0.12192	8.12	20.76	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 22:15:00	0.12192	8.13	20.74	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 22:30:00	0.12192	8.13	20.71	6.5	38	
BRSL-3	Brushy Ck	25-05-2011 22:45:00	0.12192	8.14	20.69	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 23:00:00	0.12192	8.14	20.68	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 23:15:00	0.12192	8.14	20.65	6.5	38	
BRSL-3	Brushy Ck	25-05-2011 23:30:00	0.12192	8.15	20.64	6.49	38	
BRSL-3	Brushy Ck	25-05-2011 23:45:00	0.12192	8.13	20.64	6.5	38	
BRSL-3	Brushy Ck	26-05-2011 00:00:00	0.12192	8.13	20.63	6.5	38	
BRSL-3	Brushy Ck	26-05-2011 00:15:00	0.12192	8.14	20.59	6.49	38	
BRSL-3	Brushy Ck	26-05-2011 00:30:00	0.12192	8.26	20.37	6.46	38	
BRSL-3	Brushy Ck	26-05-2011 00:45:00	0.12192	8.37	20.16	6.46	37	
BRSL-3	Brushy Ck	26-05-2011 01:00:00	0.12192	8.43	19.95	6.43	36	
BRSL-3	Brushy Ck	26-05-2011 01:15:00	0.12192	8.37	19.85	6.43	36	
BRSL-3	Brushy Ck	26-05-2011 01:30:00	0.12192	8.32	19.85	6.45	36	
BRSL-3	Brushy Ck	26-05-2011 01:45:00	0.12192	8.26	19.85	6.45	37	
BRSL-3	Brushy Ck	26-05-2011 02:00:00	0.12192	8.25	19.84	6.46	37	
BRSL-3	Brushy Ck	26-05-2011 02:15:00	0.12192	8.24	19.79	6.46	37	
BRSL-3	Brushy Ck	26-05-2011 02:30:00	0.12192	8.25	19.75	6.45	37	
BRSL-3	Brushy Ck	26-05-2011 02:45:00	0.12192	8.25	19.69	6.44	37	
BRSL-3	Brushy Ck	26-05-2011 03:00:00	0.12192	8.26	19.63	6.43	36	
BRSL-3	Brushy Ck	26-05-2011 03:15:00	0.12192	8.25	19.57	6.42	36	
BRSL-3	Brushy Ck	26-05-2011 03:30:00	0.12192	8.24	19.52	6.42	37	
BRSL-3	Brushy Ck	26-05-2011 03:45:00	0.12192	8.23	19.48	6.43	37	
BRSL-3	Brushy Ck	26-05-2011 04:00:00	0.12192	8.21	19.45	6.43	37	
BRSL-3	Brushy Ck	26-05-2011 04:15:00	0.12192	8.22	19.42	6.43	37	
BRSL-3	Brushy Ck	26-05-2011 04:30:00	0.12192	8.22	19.38	6.43	37	
BRSL-3	Brushy Ck	26-05-2011 04:45:00	0.12192	8.22	19.35	6.43	38	
BRSL-3	Brushy Ck	26-05-2011 05:00:00	0.12192	8.23	19.32	6.44	38	
BRSL-3	Brushy Ck	26-05-2011 05:15:00	0.12192	8.23	19.3	6.44	38	
BRSL-3	Brushy Ck	26-05-2011 05:30:00	0.12192	8.24	19.28	6.44	39	
BRSL-3	Brushy Ck	26-05-2011 05:45:00	0.12192	8.24	19.26	6.43	39	
BRSL-3	Brushy Ck	26-05-2011 06:00:00	0.12192	8.24	19.24	6.43	39	
BRSL-3	Brushy Ck	26-05-2011 06:15:00	0.12192	8.25	19.23	6.44	39	
BRSL-3	Brushy Ck	26-05-2011 06:30:00	0.12192	8.25	19.22	6.44	39	
BRSL-3	Brushy Ck	26-05-2011 06:45:00	0.12192	8.26	19.22	6.45	39	
BRSL-3	Brushy Ck	26-05-2011 07:00:00	0.12192	8.26	19.22	6.45	39	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BRSL-3	Brushy Ck	26-05-2011 07:15:00	0.12192	8.27	19.22	6.45	39	
BRSL-3	Brushy Ck	26-05-2011 07:30:00	0.12192	8.28	19.23	6.45	39	
BRSL-3	Brushy Ck	26-05-2011 07:45:00	0.12192	8.28	19.25	6.45	39	
BRSL-3	Brushy Ck	26-05-2011 08:00:00	0.12192	8.3	19.28	6.45	39	
BRSL-3	Brushy Ck	26-05-2011 08:15:00	0.12192	8.31	19.32	6.46	38	
BRSL-3	Brushy Ck	26-05-2011 08:30:00	0.12192	8.31	19.35	6.45	38	
BRSL-3	Brushy Ck	26-05-2011 08:45:00	0.12192	8.32	19.39	6.45	38	
BRSL-3	Brushy Ck	26-05-2011 09:00:00	0.12192	8.31	19.41	6.45	38	
BRSL-3	Brushy Ck	26-05-2011 09:15:00	0.12192	8.31	19.43	6.45	38	
BRSL-3	Brushy Ck	26-05-2011 09:30:00	0.12192	8.3	19.44	6.43	38	
BRSL-3	Brushy Ck	26-05-2011 09:45:00	0.12192	8.29	19.46	6.44	38	
BRSL-3	Brushy Ck	26-05-2011 10:00:00	0.12192	8.28	19.47	6.43	38	
BRSL-3	Brushy Ck	26-05-2011 10:15:00	0.12192	8.28	19.49	6.41	38	
BRSL-3	Brushy Ck	26-05-2011 10:30:00	0.12192	8.27	19.5	6.41	37	
BRSL-3	Brushy Ck	26-05-2011 10:45:00	0.12192	8.26	19.52	6.41	37	
BRSL-3	Brushy Ck	26-05-2011 11:00:00	0.12192	8.28	19.59	6.43	37	
BRSL-3	Brushy Ck	26-05-2011 11:15:00	0.12192	8.28	19.67	6.43	37	
BRSL-3	Brushy Ck	26-05-2011 11:30:00	0.12192	8.28	19.7	6.42	37	
BRSL-3	Brushy Ck	26-05-2011 11:45:00	0.12192	8.28	19.71	6.41	37	
BURW-1	Burton Ck	09-05-2011 17:15:00	0.13716	8.14	23.49	7.79	1191	
BURW-1	Burton Ck	09-05-2011 17:30:00	0.13716	8.12	23.51	7.91	1193	
BURW-1	Burton Ck	09-05-2011 17:45:00	0.13716	8.07	23.53	7.95	1197	
BURW-1	Burton Ck	09-05-2011 18:00:00	0.13716	8.01	23.53	7.98	1198	
BURW-1	Burton Ck	09-05-2011 18:15:00	0.13716	7.98	23.54	7.99	1200	
BURW-1	Burton Ck	09-05-2011 18:30:00	0.13716	7.94	23.53	7.99	1201	
BURW-1	Burton Ck	09-05-2011 18:45:00	0.13716	7.93	23.51	7.99	1203	
BURW-1	Burton Ck	09-05-2011 19:00:00	0.13716	7.9	23.47	7.99	1204	
BURW-1	Burton Ck	09-05-2011 19:15:00	0.13716	7.89	23.41	7.99	1205	
BURW-1	Burton Ck	09-05-2011 19:30:00	0.13716	7.88	23.33	7.98	1205	
BURW-1	Burton Ck	09-05-2011 19:45:00	0.13716	7.88	23.25	7.98	1207	
BURW-1	Burton Ck	09-05-2011 20:00:00	0.13716	7.89	23.13	7.98	1207	
BURW-1	Burton Ck	09-05-2011 20:15:00	0.13716	7.9	23.03	7.98	1209	
BURW-1	Burton Ck	09-05-2011 20:30:00	0.13716	7.9	22.89	7.98	1210	
BURW-1	Burton Ck	09-05-2011 20:45:00	0.13716	7.92	22.75	7.98	1212	
BURW-1	Burton Ck	09-05-2011 21:00:00	0.13716	7.95	22.61	7.98	1213	
BURW-1	Burton Ck	09-05-2011 21:15:00	0.13716	7.98	22.46	7.98	1214	
BURW-1	Burton Ck	09-05-2011 21:30:00	0.13716	8.01	22.31	7.98	1216	
BURW-1	Burton Ck	09-05-2011 21:45:00	0.13716	8.04	22.15	7.98	1216	
BURW-1	Burton Ck	09-05-2011 22:00:00	0.13716	8.07	22	7.98	1217	
BURW-1	Burton Ck	09-05-2011 22:15:00	0.13716	8.1	21.83	7.98	1217	
BURW-1	Burton Ck	09-05-2011 22:30:00	0.13716	8.13	21.67	7.98	1218	
BURW-1	Burton Ck	09-05-2011 22:45:00	0.13716	8.16	21.52	7.98	1219	
BURW-1	Burton Ck	09-05-2011 23:00:00	0.13716	8.18	21.35	7.98	1219	
BURW-1	Burton Ck	09-05-2011 23:15:00	0.13716	8.22	21.2	7.98	1220	
BURW-1	Burton Ck	09-05-2011 23:30:00	0.13716	8.25	21.04	7.97	1221	
BURW-1	Burton Ck	09-05-2011 23:45:00	0.13716	8.28	20.89	7.97	1222	
BURW-1	Burton Ck	10-05-2011 00:00:00	0.13716	8.32	20.74	7.97	1223	
BURW-1	Burton Ck	10-05-2011 00:15:00	0.13716	8.34	20.6	7.97	1223	
BURW-1	Burton Ck	10-05-2011 00:30:00	0.13716	8.37	20.47	7.97	1223	
BURW-1	Burton Ck	10-05-2011 00:45:00	0.13716	8.41	20.33	7.97	1223	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BURW-1	Burton Ck	10-05-2011 01:00:00	0.13716	8.43	20.2	7.97	1223	
BURW-1	Burton Ck	10-05-2011 01:15:00	0.13716	8.46	20.07	7.97	1223	
BURW-1	Burton Ck	10-05-2011 01:30:00	0.13716	8.47	19.95	7.97	1223	
BURW-1	Burton Ck	10-05-2011 01:45:00	0.13716	8.51	19.82	7.97	1223	
BURW-1	Burton Ck	10-05-2011 02:00:00	0.13716	8.53	19.71	7.96	1222	
BURW-1	Burton Ck	10-05-2011 02:15:00	0.13716	8.57	19.6	7.96	1222	
BURW-1	Burton Ck	10-05-2011 02:30:00	0.13716	8.58	19.49	7.96	1223	
BURW-1	Burton Ck	10-05-2011 02:45:00	0.13716	8.61	19.38	7.97	1223	
BURW-1	Burton Ck	10-05-2011 03:00:00	0.13716	8.63	19.28	7.97	1223	
BURW-1	Burton Ck	10-05-2011 03:15:00	0.13716	8.65	19.18	7.97	1223	
BURW-1	Burton Ck	10-05-2011 03:30:00	0.13716	8.68	19.08	7.96	1223	
BURW-1	Burton Ck	10-05-2011 03:45:00	0.13716	8.69	18.99	7.96	1224	
BURW-1	Burton Ck	10-05-2011 04:00:00	0.13716	8.72	18.9	7.96	1223	
BURW-1	Burton Ck	10-05-2011 04:15:00	0.13716	8.73	18.81	7.96	1223	
BURW-1	Burton Ck	10-05-2011 04:30:00	0.13716	8.75	18.72	7.97	1222	
BURW-1	Burton Ck	10-05-2011 04:45:00	0.13716	8.78	18.64	7.96	1221	
BURW-1	Burton Ck	10-05-2011 05:00:00	0.13716	8.78	18.56	7.96	1220	
BURW-1	Burton Ck	10-05-2011 05:15:00	0.13716	8.81	18.48	7.97	1220	
BURW-1	Burton Ck	10-05-2011 05:30:00	0.13716	8.82	18.41	7.97	1219	
BURW-1	Burton Ck	10-05-2011 05:45:00	0.13716	8.84	18.33	7.97	1218	
BURW-1	Burton Ck	10-05-2011 06:00:00	0.13716	8.85	18.26	7.97	1217	
BURW-1	Burton Ck	10-05-2011 06:15:00	0.13716	8.87	18.19	7.97	1216	
BURW-1	Burton Ck	10-05-2011 06:30:00	0.13716	8.88	18.12	7.97	1215	
BURW-1	Burton Ck	10-05-2011 06:45:00	0.13716	8.92	18.08	7.97	1214	
BURW-1	Burton Ck	10-05-2011 07:00:00	0.13716	0	18.04	7.97	1214	
BURW-1	Burton Ck	10-05-2011 07:15:00	0.13716	8.99	18.02	7.97	1213	
BURW-1	Burton Ck	10-05-2011 07:30:00	0.13716	0	18	7.97	1213	
BURW-1	Burton Ck	10-05-2011 07:45:00	0.13716	0	18.01	7.97	1213	
BURW-1	Burton Ck	10-05-2011 08:00:00	0.13716	9.1	18.03	7.98	1213	
BURW-1	Burton Ck	10-05-2011 08:15:00	0.13716	0	18.07	7.98	1214	
BURW-1	Burton Ck	10-05-2011 08:30:00	0.13716	9.16	18.11	7.98	1214	
BURW-1	Burton Ck	10-05-2011 08:45:00	0.13716	9.2	18.18	7.98	1216	
BURW-1	Burton Ck	10-05-2011 09:00:00	0.13716	0	18.25	7.98	1216	
BURW-1	Burton Ck	10-05-2011 09:15:00	0.13716	9.25	18.32	7.98	1216	
BURW-1	Burton Ck	10-05-2011 09:30:00	0.13716	9.27	18.42	7.99	1217	
BURW-1	Burton Ck	10-05-2011 09:45:00	0.13716	9.28	18.54	7.99	1217	
BURW-1	Burton Ck	10-05-2011 10:00:00	0.13716	9.29	18.66	7.99	1217	
BURW-1	Burton Ck	10-05-2011 10:15:00	0.13716	9.31	18.79	8	1217	
BURW-1	Burton Ck	10-05-2011 10:30:00	0.13716	9.31	18.94	8	1217	
BURW-1	Burton Ck	10-05-2011 10:45:00	0.13716	9.32	19.08	8.01	1217	
BURW-1	Burton Ck	10-05-2011 11:00:00	0.13716	9.34	19.27	8.01	1217	
BURW-1	Burton Ck	10-05-2011 11:15:00	0.13716	9.36	19.49	8.02	1217	
BURW-1	Burton Ck	10-05-2011 11:30:00	0.13716	9.34	19.75	8.03	1216	
BURW-1	Burton Ck	10-05-2011 11:45:00	0.13716	9.34	20.01	8.03	1216	
BURW-1	Burton Ck	10-05-2011 12:00:00	0.13716	9.32	20.25	8.04	1216	
BURW-1	Burton Ck	10-05-2011 12:15:00	0.13716	9.29	20.56	8.05	1216	
BURW-1	Burton Ck	10-05-2011 12:30:00	0.13716	9.29	20.87	8.05	1216	
BURW-1	Burton Ck	10-05-2011 12:45:00	0.13716	9.26	21.14	8.05	1215	
BURW-1	Burton Ck	10-05-2011 13:00:00	0.13716	9.3	21.55	8.07	1216	
BURW-1	Burton Ck	10-05-2011 13:15:00	0.13716	9.27	21.87	8.07	1215	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BURW-1	Burton Ck	10-05-2011 13:30:00	0.13716	9.21	22.13	8.07	1214	
BURW-1	Burton Ck	10-05-2011 13:45:00	0.13716	9.14	22.38	8.07	1213	
BURW-1	Burton Ck	10-05-2011 14:00:00	0.13716	9.04	22.66	8.08	1212	
BURW-1	Burton Ck	10-05-2011 14:15:00	0.13716	8.99	22.94	8.08	1212	
BURW-1	Burton Ck	10-05-2011 14:30:00	0.13716	8.93	23.23	8.08	1211	
BURW-1	Burton Ck	10-05-2011 14:45:00	0.13716	8.84	23.47	8.08	1210	
BURW-1	Burton Ck	10-05-2011 15:00:00	0.13716	8.76	23.68	8.08	1210	
BURW-1	Burton Ck	10-05-2011 15:15:00	0.13716	8.68	23.87	8.08	1212	
BURW-1	Burton Ck	10-05-2011 15:30:00	0.13716	8.56	24	8.08	1212	
BURW-1	Burton Ck	10-05-2011 15:45:00	0.13716	8.46	24.16	8.08	1214	
BURW-1	Burton Ck	10-05-2011 16:00:00	0.13716	8.38	24.28	8.07	1216	
BURW-1	Burton Ck	10-05-2011 16:15:00	0.13716	8.29	24.39	8.07	1217	
BURW-1	Burton Ck	10-05-2011 16:30:00	0.13716	8.21	24.5	8.06	1219	
BURW-1	Burton Ck	10-05-2011 16:45:00	0.13716	8.15	24.57	8.06	1221	
BURW-1	Burton Ck	10-05-2011 17:00:00	0.13716	8.08	24.63	8.06	1223	
BURW-1	Burton Ck	10-05-2011 17:15:00	0.13716	8	24.68	8.05	1226	
BURW-1	Burton Ck	10-05-2011 17:30:00	0.13716	7.94	24.7	8.05	1228	
BURW-1	Burton Ck	10-05-2011 17:45:00	0.13716	7.89	24.71	8.04	1229	
BURW-1	Burton Ck	10-05-2011 18:00:00	0.13716	7.84	24.68	8.04	1231	
BURW-1	Burton Ck	10-05-2011 18:15:00	0.13716	7.8	24.65	8.04	1232	
BURW-1	Burton Ck	10-05-2011 18:30:00	0.13716	7.78	24.62	8.03	1234	
BURW-1	Burton Ck	10-05-2011 18:45:00	0.13716	7.78	24.57	8.03	1235	
BURW-1	Burton Ck	10-05-2011 19:00:00	0.13716	7.76	24.51	8.03	1236	
BURW-1	Burton Ck	10-05-2011 19:15:00	0.13716	7.76	24.43	8.03	1236	
BURW-1	Burton Ck	10-05-2011 19:30:00	0.13716	7.74	24.35	8.03	1237	
BURW-1	Burton Ck	10-05-2011 19:45:00	0.13716	7.74	24.23	8.02	1237	
BURW-1	Burton Ck	10-05-2011 20:00:00	0.13716	7.75	24.12	8.02	1239	
BURW-1	Burton Ck	10-05-2011 20:15:00	0.13716	7.75	23.99	8.02	1240	
BURW-1	Burton Ck	10-05-2011 20:30:00	0.13716	7.77	23.85	8.02	1240	
BURW-1	Burton Ck	10-05-2011 20:45:00	0.13716	7.79	23.7	8.02	1240	
BURW-1	Burton Ck	10-05-2011 21:00:00	0.13716	7.81	23.54	8.01	1241	
BURW-1	Burton Ck	10-05-2011 21:15:00	0.13716	7.83	23.38	8.01	1241	
BURW-1	Burton Ck	10-05-2011 21:30:00	0.13716	7.87	23.22	8.01	1242	
BURW-1	Burton Ck	10-05-2011 21:45:00	0.13716	7.89	23.05	8.01	1242	
BURW-1	Burton Ck	10-05-2011 22:00:00	0.13716	7.93	22.88	8.01	1243	
BURW-1	Burton Ck	10-05-2011 22:15:00	0.13716	7.95	22.72	8.01	1243	
BURW-1	Burton Ck	10-05-2011 22:30:00	0.13716	7.97	22.55	8.01	1243	
BURW-1	Burton Ck	10-05-2011 22:45:00	0.13716	8.01	22.37	8.01	1243	
BURW-1	Burton Ck	10-05-2011 23:00:00	0.13716	8.04	22.22	8.01	1244	
BURW-1	Burton Ck	10-05-2011 23:15:00	0.13716	8.08	22.05	8.01	1245	
BURW-1	Burton Ck	10-05-2011 23:30:00	0.13716	8.11	21.9	8.01	1246	
BURW-1	Burton Ck	10-05-2011 23:45:00	0.13716	8.13	21.74	8.01	1246	
BURW-1	Burton Ck	11-05-2011 00:00:00	0.13716	8.17	21.59	8.01	1247	
BURW-1	Burton Ck	11-05-2011 00:15:00	0.13716	8.2	21.43	8.01	1247	
BURW-1	Burton Ck	11-05-2011 00:30:00	0.13716	8.22	21.28	8.01	1248	
BURW-1	Burton Ck	11-05-2011 00:45:00	0.13716	8.25	21.14	8.01	1248	
BURW-1	Burton Ck	11-05-2011 01:00:00	0.13716	8.27	21	8.01	1248	
BURW-1	Burton Ck	11-05-2011 01:15:00	0.13716	8.3	20.87	8	1248	
BURW-1	Burton Ck	11-05-2011 01:30:00	0.13716	8.33	20.73	8	1248	
BURW-1	Burton Ck	11-05-2011 01:45:00	0.13716	8.35	20.6	8	1248	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BURW-1	Burton Ck	11-05-2011 02:00:00	0.13716	8.38	20.48	8	1248	
BURW-1	Burton Ck	11-05-2011 02:15:00	0.13716	8.41	20.36	8	1249	
BURW-1	Burton Ck	11-05-2011 02:30:00	0.13716	8.43	20.24	8	1249	
BURW-1	Burton Ck	11-05-2011 02:45:00	0.13716	8.46	20.13	8	1248	
BURW-1	Burton Ck	11-05-2011 03:00:00	0.13716	8.48	20.02	8	1248	
BURW-1	Burton Ck	11-05-2011 03:15:00	0.13716	8.5	19.91	8	1248	
BURW-1	Burton Ck	11-05-2011 03:30:00	0.13716	8.53	19.8	8	1247	
BURW-1	Burton Ck	11-05-2011 03:45:00	0.13716	8.56	19.7	8	1247	
BURW-1	Burton Ck	11-05-2011 04:00:00	0.13716	8.58	19.61	8	1246	
BURW-1	Burton Ck	11-05-2011 04:15:00	0.13716	8.6	19.52	8	1246	
BURW-1	Burton Ck	11-05-2011 04:30:00	0.13716	8.62	19.43	8	1245	
BURW-1	Burton Ck	11-05-2011 04:45:00	0.13716	8.64	19.34	8	1244	
BURW-1	Burton Ck	11-05-2011 05:00:00	0.13716	8.66	19.25	8	1244	
BURW-1	Burton Ck	11-05-2011 05:15:00	0.13716	8.67	19.17	8	1244	
BURW-1	Burton Ck	11-05-2011 05:30:00	0.13716	8.7	19.08	8	1243	
BURW-1	Burton Ck	11-05-2011 05:45:00	0.13716	8.72	19	8	1243	
BURW-1	Burton Ck	11-05-2011 06:00:00	0.13716	8.73	18.93	8	1243	
BURW-1	Burton Ck	11-05-2011 06:15:00	0.13716	8.76	18.85	8	1241	
BURW-1	Burton Ck	11-05-2011 06:30:00	0.13716	8.78	18.79	8	1242	
BURW-1	Burton Ck	11-05-2011 06:45:00	0.13716	8.81	18.73	8	1242	
BURW-1	Burton Ck	11-05-2011 07:00:00	0.13716	8.84	18.69	8	1241	
BURW-1	Burton Ck	11-05-2011 07:15:00	0.13716	8.87	18.66	8	1240	
BURW-1	Burton Ck	11-05-2011 07:30:00	0.13716	8.9	18.65	8	1240	
BURW-1	Burton Ck	11-05-2011 07:45:00	0.13716	8.93	18.65	8.01	1239	
BURW-1	Burton Ck	11-05-2011 08:00:00	0.13716	8.97	18.66	8.01	1238	
BURW-1	Burton Ck	11-05-2011 08:15:00	0.13716	9.01	18.7	8.01	1238	
BURW-1	Burton Ck	11-05-2011 08:30:00	0.13716	9.04	18.75	8.01	1238	
BURW-1	Burton Ck	11-05-2011 08:45:00	0.13716	9.06	18.8	8.01	1237	
BURW-1	Burton Ck	11-05-2011 09:00:00	0.13716	9.09	18.87	8.02	1236	
BURW-1	Burton Ck	11-05-2011 09:15:00	0.13716	9.11	18.94	8.02	1236	
BURW-1	Burton Ck	11-05-2011 09:30:00	0.13716	9.13	19.03	8.02	1235	
BURW-1	Burton Ck	11-05-2011 09:45:00	0.13716	9.14	19.13	8.03	1233	
BURW-1	Burton Ck	11-05-2011 10:00:00	0.13716	9.16	19.24	8.03	1234	
BURW-1	Burton Ck	11-05-2011 10:15:00	0.13716	9.16	19.36	8.03	1234	
BURW-1	Burton Ck	11-05-2011 10:30:00	0.13716	9.16	19.51	8.03	1234	
BURW-1	Burton Ck	11-05-2011 10:45:00	0.13716	9.16	19.66	8.03	1234	
BURW-1	Burton Ck	11-05-2011 11:00:00	0.13716	9.16	19.85	8.04	1234	
BURW-1	Burton Ck	11-05-2011 11:15:00	0.13716	9.18	20.02	8.04	1234	
BURW-1	Burton Ck	11-05-2011 11:30:00	0.13716	9.19	20.27	8.05	1234	
BURW-1	Burton Ck	11-05-2011 11:45:00	0.13716	9.21	20.52	8.05	1234	
BURW-1	Burton Ck	11-05-2011 12:00:00	0.13716	9.2	20.75	8.06	1234	
BURW-1	Burton Ck	11-05-2011 12:15:00	0.13716	9.19	20.99	8.06	1234	
BURW-1	Burton Ck	11-05-2011 12:30:00	0.13716	9.2	21.32	8.07	1234	
BURW-1	Burton Ck	11-05-2011 12:45:00	0.13716	9.19	21.64	8.08	1234	
BURW-1	Burton Ck	11-05-2011 13:00:00	0.13716	9.19	21.97	8.09	1234	
BURW-1	Burton Ck	11-05-2011 13:15:00	0.13716	9.17	22.27	8.1	1233	
BURW-1	Burton Ck	11-05-2011 13:30:00	0.13716	9.13	22.63	8.1	1233	
BURW-1	Burton Ck	11-05-2011 13:45:00	0.13716	9.06	22.94	8.1	1233	
BURW-1	Burton Ck	11-05-2011 14:00:00	0.13716	8.98	23.23	8.11	1232	
BURW-1	Burton Ck	11-05-2011 14:15:00	0.13716	8.9	23.51	8.11	1232	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BURW-1	Burton Ck	11-05-2011 14:30:00	0.13716	8.81	23.78	8.1	1231	
BURW-1	Burton Ck	11-05-2011 14:45:00	0.13716	8.71	23.99	8.1	1231	
BURW-1	Burton Ck	11-05-2011 15:00:00	0.13716	8.64	24.21	8.1	1231	
BURW-1	Burton Ck	11-05-2011 15:15:00	0.13716	8.54	24.39	8.1	1232	
BURW-1	Burton Ck	11-05-2011 15:30:00	0.13716	8.44	24.56	8.1	1232	
BURW-1	Burton Ck	11-05-2011 15:45:00	0.13716	8.37	24.7	8.1	1233	
BURW-1	Burton Ck	11-05-2011 16:00:00	0.13716	8.3	24.84	8.09	1233	
BURW-1	Burton Ck	11-05-2011 16:15:00	0.13716	8.2	24.96	8.09	1234	
BURW-1	Burton Ck	11-05-2011 16:30:00	0.13716	8.13	25.04	8.09	1234	
BURW-1	Burton Ck	11-05-2011 16:45:00	0.13716	8.05	25.12	8.09	1235	
BURW-1	Burton Ck	11-05-2011 17:00:00	0.13716	7.96	25.15	8.08	1237	
BURW-1	Burton Ck	11-05-2011 17:15:00	0.13716	7.9	25.2	8.08	1238	
BURW-1	Burton Ck	11-05-2011 17:30:00	0.13716	7.85	25.25	8.07	1240	
BURW-1	Burton Ck	11-05-2011 17:45:00	0.13716	7.77	25.26	8.07	1241	
BURW-1	Burton Ck	11-05-2011 18:00:00	0.13716	7.72	25.27	8.07	1243	
BURW-1	Burton Ck	11-05-2011 18:15:00	0.13716	7.68	25.25	8.06	1244	
BURW-1	Burton Ck	11-05-2011 18:30:00	0.13716	7.65	25.22	8.06	1245	
BURW-1	Burton Ck	11-05-2011 18:45:00	0.13716	7.62	25.17	8.06	1246	
BURW-1	Burton Ck	11-05-2011 19:00:00	0.13716	7.6	25.11	8.06	1248	
BURW-1	Burton Ck	11-05-2011 19:15:00	0.13716	7.6	25.05	8.05	1249	
BURW-1	Burton Ck	11-05-2011 19:30:00	0.13716	7.59	24.98	8.05	1250	
BURW-1	Burton Ck	11-05-2011 19:45:00	0.13716	7.55	24.86	8.05	1252	
BURW-1	Burton Ck	11-05-2011 20:00:00	0.13716	7.57	24.74	8.05	1253	
BURW-1	Burton Ck	11-05-2011 20:15:00	0.13716	7.59	24.62	8.05	1255	
BURW-1	Burton Ck	11-05-2011 20:30:00	0.13716	7.6	24.49	8.05	1256	
BURW-1	Burton Ck	11-05-2011 20:45:00	0.13716	7.62	24.35	8.05	1258	
BURW-1	Burton Ck	11-05-2011 21:00:00	0.13716	7.65	24.18	8.05	1259	
BURW-1	Burton Ck	11-05-2011 21:15:00	0.13716	7.67	24.02	8.05	1260	
BURW-1	Burton Ck	11-05-2011 21:30:00	0.13716	7.69	23.85	8.04	1260	
BURW-1	Burton Ck	11-05-2011 21:45:00	0.13716	7.74	23.69	8.05	1261	
BURW-1	Burton Ck	11-05-2011 22:00:00	0.13716	7.76	23.51	8.04	1261	
BURW-1	Burton Ck	11-05-2011 22:15:00	0.13716	7.79	23.35	8.04	1262	
BURW-1	Burton Ck	11-05-2011 22:30:00	0.13716	7.84	23.17	8.04	1263	
BURW-1	Burton Ck	11-05-2011 22:45:00	0.13716	7.85	22.99	8.04	1263	
BURW-1	Burton Ck	11-05-2011 23:00:00	0.13716	7.89	22.82	8.04	1263	
BURW-1	Burton Ck	11-05-2011 23:15:00	0.13716	7.93	22.65	8.04	1263	
BURW-1	Burton Ck	11-05-2011 23:30:00	0.13716	7.96	22.48	8.04	1263	
BURW-1	Burton Ck	11-05-2011 23:45:00	0.13716	7.99	22.3	8.05	1262	
BURW-1	Burton Ck	12-05-2011 00:00:00	0.13716	8.03	22.15	8.05	1262	
BURW-1	Burton Ck	12-05-2011 00:15:00	0.13716	8.05	22.01	8.05	1262	
BURW-1	Burton Ck	12-05-2011 00:30:00	0.13716	8.09	21.85	8.05	1261	
BURW-1	Burton Ck	12-05-2011 00:45:00	0.13716	8.12	21.7	8.05	1261	
BURW-1	Burton Ck	12-05-2011 01:00:00	0.13716	8.15	21.56	8.05	1260	
BURW-1	Burton Ck	12-05-2011 01:15:00	0.13716	8.18	21.41	8.05	1260	
BURW-1	Burton Ck	12-05-2011 01:30:00	0.13716	8.2	21.29	8.05	1260	
BURW-1	Burton Ck	12-05-2011 01:45:00	0.13716	8.23	21.17	8.05	1259	
BURW-1	Burton Ck	12-05-2011 02:00:00	0.13716	8.26	21.04	8.05	1259	
BURW-1	Burton Ck	12-05-2011 02:15:00	0.13716	8.27	20.92	8.05	1259	
BURW-1	Burton Ck	12-05-2011 02:30:00	0.13716	8.3	20.81	8.04	1260	
BURW-1	Burton Ck	12-05-2011 02:45:00	0.13716	8.32	20.69	8.05	1260	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BURW-1	Burton Ck	12-05-2011 03:00:00	0.13716	8.35	20.58	8.04	1260	
BURW-1	Burton Ck	12-05-2011 03:15:00	0.13716	8.37	20.48	8.04	1261	
BURW-1	Burton Ck	12-05-2011 03:30:00	0.13716	8.39	20.37	8.04	1260	
BURW-1	Burton Ck	12-05-2011 03:45:00	0.13716	8.41	20.27	8.04	1260	
BURW-1	Burton Ck	12-05-2011 04:00:00	0.13716	8.43	20.18	8.04	1260	
BURW-1	Burton Ck	12-05-2011 04:15:00	0.13716	8.46	20.08	8.04	1259	
BURW-1	Burton Ck	12-05-2011 04:30:00	0.13716	8.47	20	8.05	1259	
BURW-1	Burton Ck	12-05-2011 04:45:00	0.13716	8.49	19.91	8.05	1258	
BURW-1	Burton Ck	12-05-2011 05:00:00	0.13716	8.51	19.82	8.05	1257	
BURW-1	Burton Ck	12-05-2011 05:15:00	0.13716	8.53	19.74	8.05	1257	
BURW-1	Burton Ck	12-05-2011 05:30:00	0.13716	8.54	19.66	8.05	1256	
BURW-1	Burton Ck	12-05-2011 05:45:00	0.13716	8.56	19.58	8.05	1254	
BURW-1	Burton Ck	12-05-2011 06:00:00	0.13716	8.57	19.51	8.05	1254	
BURW-1	Burton Ck	12-05-2011 06:15:00	0.13716	8.58	19.45	8.05	1254	
BURW-1	Burton Ck	12-05-2011 06:30:00	0.13716	8.62	19.39	8.05	1253	
BURW-1	Burton Ck	12-05-2011 06:45:00	0.13716	8.64	19.34	8.05	1253	
BURW-1	Burton Ck	12-05-2011 07:00:00	0.13716	8.69	19.31	8.05	1253	
BURW-1	Burton Ck	12-05-2011 07:15:00	0.13716	8.72	19.29	8.06	1252	
BURW-1	Burton Ck	12-05-2011 07:30:00	0.13716	8.76	19.28	8.06	1252	
BURW-1	Burton Ck	12-05-2011 07:45:00	0.13716	8.8	19.29	8.06	1251	
BURW-1	Burton Ck	12-05-2011 08:00:00	0.13716	8.83	19.3	8.06	1250	
BURW-1	Burton Ck	12-05-2011 08:15:00	0.13716	8.86	19.31	8.06	1250	
BURW-1	Burton Ck	12-05-2011 08:30:00	0.13716	8.9	19.35	8.06	1249	
BURW-1	Burton Ck	12-05-2011 08:45:00	0.13716	8.91	19.39	8.07	1249	
BURW-1	Burton Ck	12-05-2011 09:00:00	0.13716	8.94	19.46	8.07	1248	
BURW-1	Burton Ck	12-05-2011 09:15:00	0.13716	8.97	19.52	8.07	1248	
BURW-1	Burton Ck	12-05-2011 09:30:00	0.13716	8.99	19.6	8.08	1247	
BURW-1	Burton Ck	12-05-2011 09:45:00	0.13716	9	19.69	8.08	1247	
BURW-1	Burton Ck	12-05-2011 10:00:00	0.13716	9.04	19.78	8.08	1248	
BURW-1	Burton Ck	12-05-2011 10:15:00	0.13716	9.07	19.89	8.08	1248	
BURW-1	Burton Ck	12-05-2011 10:30:00	0.13716	9.08	19.96	8.09	1248	
BURW-1	Burton Ck	12-05-2011 10:45:00	0.13716	9.11	20.11	8.09	1249	
BURW-1	Burton Ck	12-05-2011 11:00:00	0.13716	9.1	20.25	8.1	1250	
BURW-1	Burton Ck	12-05-2011 11:15:00	0.13716	9.12	20.42	8.1	1250	
BURW-1	Burton Ck	12-05-2011 11:30:00	0.13716	9.13	20.62	8.1	1250	
BURW-1	Burton Ck	12-05-2011 11:45:00	0.13716	9.13	20.84	8.1	1251	
BURW-1	Burton Ck	12-05-2011 12:00:00	0.13716	9.12	21.1	8.11	1251	
BURW-1	Burton Ck	12-05-2011 12:15:00	0.13716	9.15	21.38	8.11	1251	
BURW-1	Burton Ck	12-05-2011 12:30:00	0.13716	9.15	21.57	8.12	1252	
BURW-1	Burton Ck	12-05-2011 12:45:00	0.13716	9.19	21.81	8.12	1251	
BURW-1	Burton Ck	12-05-2011 13:00:00	0.13716	9.09	21.99	8.12	1251	
BURW-1	Burton Ck	12-05-2011 13:15:00	0.13716	9.14	22.19	8.13	1251	
BURW-1	Burton Ck	12-05-2011 13:30:00	0.13716	9.14	22.51	8.13	1251	
BURW-1	Burton Ck	12-05-2011 13:45:00	0.13716	8.97	22.65	8.12	1251	
BURW-1	Burton Ck	12-05-2011 14:00:00	0.13716	8.92	22.84	8.13	1251	
BURW-1	Burton Ck	12-05-2011 14:15:00	0.13716	8.92	23.19	8.13	1250	
BURW-1	Burton Ck	12-05-2011 14:30:00	0.13716	8.76	23.26	8.13	1250	
BURW-1	Burton Ck	12-05-2011 14:45:00	0.13716	8.76	23.51	8.13	1249	
BURW-1	Burton Ck	12-05-2011 15:00:00	0.13716	8.66	23.73	8.13	1249	
BURW-1	Burton Ck	12-05-2011 15:15:00	0.13716	8.6	23.87	8.13	1248	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BURW-1	Burton Ck	12-05-2011 15:30:00	0.13716	8.52	24.06	8.12	1248	
BURW-1	Burton Ck	12-05-2011 15:45:00	0.13716	8.44	24.17	8.12	1248	
BURW-1	Burton Ck	12-05-2011 16:00:00	0.13716	8.34	24.28	8.12	1249	
BURW-1	Burton Ck	12-05-2011 16:15:00	0.13716	8.26	24.36	8.11	1250	
BURW-1	Burton Ck	12-05-2011 16:30:00	0.13716	8.2	24.43	8.11	1251	
BURW-1	Burton Ck	12-05-2011 16:45:00	0.13716	8.13	24.49	8.1	1251	
BURW-1	Burton Ck	12-05-2011 17:00:00	0.13716	8.07	24.53	8.1	1253	
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 16:45:00	0.16764	13.68	28.7	7.19	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 17:00:00	0.16764	13.2	28.96	7.24	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 17:15:00	0.16764	12.95	28.92	7.27	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 17:30:00	0.16764	13.03	28.8	7.26	1415	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 17:45:00	0.16764	13.17	28.81	7.27	1409	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 18:00:00	0.16764	13.15	28.68	7.26	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 18:15:00	0.16764	13.12	28.61	7.27	1401	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 18:30:00	0.16764	13.13	28.57	7.28	1420	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 18:45:00	0.16764	13.06	28.52	7.28	1419	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 19:00:00	0.16764	13.02	28.47	7.29	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 19:15:00	0.16764	12.97	28.41	7.28	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 19:30:00	0.16764	12.91	28.34	7.29	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 19:45:00	0.16764	12.81	28.26	7.28	1414	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 20:00:00	0.16764	12.71	28.21	7.3	1413	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 20:15:00	0.16764	12.63	28.18	7.31	1411	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 20:30:00	0.16764	12.43	28.14	7.34	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 20:45:00	0.16764	12.32	28.07	7.34	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 21:00:00	0.16764	12.28	27.96	7.35	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 21:15:00	0.16764	12.19	27.89	7.34	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 21:30:00	0.16764	12.06	27.82	7.36	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 21:45:00	0.16764	12.03	27.74	7.35	1409	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 22:00:00	0.16764	11.98	27.65	7.35	1408	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 22:15:00	0.16764	11.92	27.57	7.32	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 22:30:00	0.16764	11.96	27.49	7.32	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 22:45:00	0.16764	11.97	27.4	7.29	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 23:00:00	0.16764	11.97	27.32	7.29	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 23:15:00	0.16764	11.91	27.23	7.3	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 23:30:00	0.16764	11.87	27.15	7.29	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	23-05-2011 23:45:00	0.16764	11.89	27.08	7.28	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 00:00:00	0.16764	11.9	26.99	7.25	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 00:15:00	0.16764	11.91	26.91	7.25	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 00:30:00	0.16764	11.94	26.82	7.22	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 00:45:00	0.16764	12.01	26.75	7.19	1403	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 01:00:00	0.16764	12.05	26.66	7.17	1403	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 01:15:00	0.16764	12.1	26.59	7.16	1403	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 01:30:00	0.16764	12.13	26.5	7.15	1402	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 01:45:00	0.16764	12.12	26.42	7.12	1401	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 02:00:00	0.16764	12.18	26.32	7.1	1403	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 02:15:00	0.16764	12.23	26.26	7.09	1403	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 02:30:00	0.16764	12.27	26.17	7.09	1401	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 02:45:00	0.16764	12.3	26.09	7.07	1400	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 03:00:00	0.16764	12.32	26.01	7.06	1402	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 03:15:00	0.16764	12.38	25.92	7.04	1401	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 03:30:00	0.16764	12.38	25.85	7.05	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 03:45:00	0.16764	12.44	25.76	7.03	1404	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 04:00:00	0.16764	12.52	25.69	7	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 04:15:00	0.16764	12.54	25.62	6.99	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 04:30:00	0.16764	12.64	25.53	6.97	1405	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 04:45:00	0.16764	12.67	25.48	6.97	1404	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 05:00:00	0.16764	12.74	25.41	6.93	1358	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 05:15:00	0.16764	12.75	25.32	6.93	1355	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 05:30:00	0.16764	12.79	25.24	6.93	1357	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 05:45:00	0.16764	12.77	25.17	6.88	1367	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 06:00:00	0.16764	12.83	25.09	6.9	1370	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 06:15:00	0.16764	12.85	25.02	6.89	1369	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 06:30:00	0.16764	12.78	25	6.9	1364	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 06:45:00	0.16764	12.81	24.97	6.88	1366	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 07:00:00	0.16764	12.76	24.93	6.88	1366	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 07:15:00	0.16764	12.7	24.93	6.9	1364	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 07:30:00	0.16764	12.79	24.97	6.88	1364	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 07:45:00	0.16764	12.81	25.01	6.88	1366	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 08:00:00	0.16764	12.81	24.98	6.89	1366	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 08:15:00	0.16764	12.82	24.97	6.9	1372	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 08:30:00	0.16764	12.79	24.98	6.93	1371	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 08:45:00	0.16764	12.98	25.01	6.92	1362	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 09:00:00	0.16764	12.99	25.02	6.97	1359	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 09:15:00	0.16764	12.57	25.08	6.97	1357	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 09:30:00	0.16764	12.79	25.16	7.02	1357	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 09:45:00	0.16764	12.75	25.12	7.07	1373	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 10:00:00	0.16764	12.93	25.24	7.13	1378	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 10:15:00	0.16764	12.91	25.3	7.13	1395	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 10:30:00	0.16764	12.96	25.32	7.15	1368	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 10:45:00	0.16764	12.97	25.45	7.16	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 11:00:00	0.16764	13	25.47	7.17	1410	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 11:15:00	0.16764	12.94	25.61	7.2	1413	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 11:30:00	0.16764	12.97	25.68	7.21	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 11:45:00	0.16764	13.04	25.86	7.2	1351	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 12:00:00	0.16764	12.81	26.01	7.17	1413	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 12:15:00	0.16764	12.7	26.26	7.16	1414	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 12:30:00	0.16764	12.63	26.45	7.15	1415	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 12:45:00	0.16764	12.75	26.6	7.13	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 13:00:00	0.16764	12.71	26.85	7.11	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 13:15:00	0.16764	12.93	27.14	7.1	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 13:30:00	0.16764	12.9	27.22	7.09	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 13:45:00	0.16764	13.03	27.58	7.06	1420	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 14:00:00	0.16764	12.86	27.52	7.03	1421	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 14:15:00	0.16764	12.95	27.9	7.06	1420	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 14:30:00	0.16764	12.87	27.9	7.07	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 14:45:00	0.16764	12.82	28.24	7.08	1419	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 15:00:00	0.16764	12.92	28.29	7.08	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 15:15:00	0.16764	12.96	28.47	7.09	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 15:30:00	0.16764	12.94	28.61	7.09	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 15:45:00	0.16764	12.98	28.59	7.09	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 16:00:00	0.16764	12.98	28.86	7.09	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 16:15:00	0.16764	13.05	28.78	7.09	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 16:30:00	0.16764	13.01	28.91	7.09	1415	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 16:45:00	0.16764	13.01	29.01	7.12	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 17:00:00	0.16764	13.03	28.98	7.12	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 17:15:00	0.16764	13.01	28.88	7.14	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 17:30:00	0.16764	12.89	28.83	7.16	1415	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 17:45:00	0.16764	12.8	28.81	7.17	1414	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 18:00:00	0.16764	12.71	28.72	7.17	1414	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 18:15:00	0.16764	12.68	28.63	7.17	1413	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 18:30:00	0.16764	12.63	28.54	7.17	1413	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 18:45:00	0.16764	12.58	28.44	7.19	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 19:00:00	0.16764	12.52	28.37	7.19	1411	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 19:15:00	0.16764	12.36	28.31	7.2	1411	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 19:30:00	0.16764	12.38	28.23	7.2	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 19:45:00	0.16764	12.28	28.19	7.21	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 20:00:00	0.16764	12.2	28.12	7.21	1411	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 20:15:00	0.16764	12.2	28.05	7.21	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 20:30:00	0.16764	12.14	27.97	7.22	1409	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 20:45:00	0.16764	12.07	27.9	7.23	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 21:00:00	0.16764	11.95	27.82	7.23	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 21:15:00	0.16764	11.75	27.74	7.25	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 21:30:00	0.16764	11.67	27.66	7.25	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 21:45:00	0.16764	11.59	27.59	7.25	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 22:00:00	0.16764	11.58	27.51	7.25	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 22:15:00	0.16764	11.52	27.42	7.25	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 22:30:00	0.16764	11.53	27.33	7.24	1405	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 22:45:00	0.16764	11.37	27.25	7.24	1404	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 23:00:00	0.16764	11.46	27.18	7.22	1404	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 23:15:00	0.16764	11.38	27.08	7.23	1403	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 23:30:00	0.16764	11.33	27.01	7.21	1419	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	24-05-2011 23:45:00	0.16764	11.38	26.93	7.23	1419	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 00:00:00	0.16764	11.43	26.85	7.22	1418	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 00:15:00	0.16764	11.45	26.78	7.21	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 00:30:00	0.16764	11.41	26.68	7.2	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 00:45:00	0.16764	11.4	26.63	7.2	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 01:00:00	0.16764	11.31	26.54	7.19	1418	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 01:15:00	0.16764	11.35	26.48	7.19	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 01:30:00	0.16764	11.31	26.41	7.2	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 01:45:00	0.16764	11.22	26.34	7.2	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 02:00:00	0.16764	11.25	26.29	7.2	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 02:15:00	0.16764	11.15	26.22	7.2	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 02:30:00	0.16764	11.16	26.16	7.2	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 02:45:00	0.16764	11.06	26.08	7.19	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 03:00:00	0.16764	11.03	26.02	7.19	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 03:15:00	0.16764	11.2	25.98	7.17	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 03:30:00	0.16764	11.07	25.9	7.17	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 03:45:00	0.16764	11.12	25.84	7.16	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 04:00:00	0.16764	10.96	25.79	7.15	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 04:15:00	0.16764	11.17	25.74	7.12	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 04:30:00	0.16764	11	25.66	7.12	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 04:45:00	0.16764	11.15	25.61	7.1	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 05:00:00	0.16764	11.12	25.55	7.09	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 05:15:00	0.16764	11.16	25.53	7.07	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 05:30:00	0.16764	10.97	25.47	7.1	1416	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 05:45:00	0.16764	10.93	25.42	7.11	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 06:00:00	0.16764	11.03	25.38	7.1	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 06:15:00	0.16764	10.93	25.35	7.1	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 06:30:00	0.16764	11.14	25.31	7.08	1417	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 06:45:00	0.16764	10.99	25.29	7.09	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 07:00:00	0.16764	11.1	25.28	7.08	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 07:15:00	0.16764	10.99	25.26	7.08	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 07:30:00	0.16764	10.97	25.23	7.08	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 07:45:00	0.16764	10.71	25.22	7.11	1417	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 08:00:00	0.16764	10.81	25.23	7.12	1409	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 08:15:00	0.16764	11.14	25.29	7.08	1409	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 08:30:00	0.16764	10.95	25.29	7.11	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 08:45:00	0.16764	10.85	25.29	7.12	1415	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 09:00:00	0.16764	10.87	25.3	7.14	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 09:15:00	0.16764	11.01	25.35	7.14	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 09:30:00	0.16764	11.1	25.4	7.15	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 09:45:00	0.16764	11.69	25.4	7.16	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 10:00:00	0.16764	11.86	25.48	7.17	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 10:15:00	0.16764	11.76	25.64	7.18	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 10:30:00	0.16764	11.67	25.73	7.2	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 10:45:00	0.16764	11.64	25.8	7.21	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 11:00:00	0.16764	11.61	25.94	7.22	1406	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 11:15:00	0.16764	11.74	26.15	7.21	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 11:30:00	0.16764	11.84	26.35	7.17	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 11:45:00	0.16764	11.9	26.37	7.14	1408	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 12:00:00	0.16764	12.12	26.74	7.14	1410	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 12:15:00	0.16764	12.05	26.77	7.12	1407	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 12:30:00	0.16764	12	26.95	7.1	1420	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 12:45:00	0.16764	12.09	27.22	7.13	1421	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 13:00:00	0.16764	12.23	27.44	7.12	1422	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 13:15:00	0.16764	12.02	27.46	7.09	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 13:30:00	0.16764	12.06	27.58	7.07	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 13:45:00	0.16764	12.01	27.83	7.1	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 14:00:00	0.16764	11.85	27.9	7.09	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 14:15:00	0.16764	12.12	28.05	7.1	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 14:30:00	0.16764	11.97	28.09	7.09	1421	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 14:45:00	0.16764	12.18	28.34	7.12	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 15:00:00	0.16764	12.18	28.55	7.12	1422	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 15:15:00	0.16764	12.24	28.43	7.11	1428	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 15:30:00	0.16764	12.19	28.61	7.12	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 15:45:00	0.16764	12.09	28.66	7.13	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 16:00:00	0.16764	11.94	28.81	7.14	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 16:15:00	0.16764	11.9	28.9	7.16	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 16:30:00	0.16764	11.88	28.97	7.17	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 16:45:00	0.16764	11.95	28.81	7.16	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 17:00:00	0.16764	11.95	28.93	7.17	1422	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 17:15:00	0.16764	11.88	28.89	7.18	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 17:30:00	0.16764	11.86	28.83	7.18	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 17:45:00	0.16764	11.82	28.81	7.19	1426	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 18:00:00	0.16764	11.79	28.7	7.19	1425	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 18:15:00	0.16764	11.64	28.56	7.21	1425	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 18:30:00	0.16764	11.5	28.47	7.22	1425	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 18:45:00	0.16764	11.38	28.39	7.22	1420	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 19:00:00	0.16764	11.29	28.32	7.22	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 19:15:00	0.16764	11.24	28.28	7.23	1423	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 19:30:00	0.16764	11.18	28.2	7.24	1423	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 19:45:00	0.16764	11.13	28.15	7.24	1425	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 20:00:00	0.16764	11.06	28.07	7.25	1425	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 20:15:00	0.16764	11.02	28.01	7.26	1430	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 20:30:00	0.16764	10.93	27.92	7.26	1431	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 20:45:00	0.16764	10.84	27.84	7.27	1430	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 21:00:00	0.16764	10.76	27.76	7.27	1431	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 21:15:00	0.16764	10.67	27.65	7.28	1431	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 21:30:00	0.16764	10.51	27.53	7.28	1431	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 21:45:00	0.16764	10.35	27.42	7.29	1430	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 22:00:00	0.16764	10.27	27.29	7.28	1430	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 22:15:00	0.16764	10.18	27.16	7.3	1430	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 22:30:00	0.16764	10.08	27.08	7.29	1429	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 22:45:00	0.16764	10.07	26.95	7.29	1429	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 23:00:00	0.16764	10	26.81	7.29	1429	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 23:15:00	0.16764	10.01	26.64	7.28	1429	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 23:30:00	0.16764	9.89	26.57	7.29	1428	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	25-05-2011 23:45:00	0.16764	9.8	26.44	7.29	1427	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 00:00:00	0.16764	9.8	26.33	7.3	1428	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 00:15:00	0.16764	9.83	26.23	7.3	1427	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 00:30:00	0.16764	9.72	26.15	7.3	1427	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 00:45:00	0.16764	9.89	26.03	7.31	1427	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 01:00:00	0.16764	9.49	25.91	7.35	1415	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 01:15:00	0.16764	9.35	25.89	7.36	1424	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 01:30:00	0.16764	9.28	25.79	7.37	1411	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 01:45:00	0.16764	9.36	25.75	7.38	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 02:00:00	0.16764	9.35	25.73	7.39	1410	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 02:15:00	0.16764	9.3	25.67	7.39	1412	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 02:30:00	0.16764	9.25	25.4	7.45	1391	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 02:45:00	0.16764	9.23	25.2	7.45	1384	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 03:00:00	0.16764	9.11	25.06	7.46	1376	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 03:15:00	0.16764	9.06	25.01	7.47	1375	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 03:30:00	0.16764	8.94	24.94	7.48	1373	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 03:45:00	0.16764	8.86	24.88	7.48	1373	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 04:00:00	0.16764	8.69	24.78	7.49	1368	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 04:15:00	0.16764	8.86	24.68	7.44	1374	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 04:30:00	0.16764	8.51	24.59	7.48	1368	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 04:45:00	0.16764	8.62	24.46	7.46	1362	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 05:00:00	0.16764	8.61	24.41	7.47	1358	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 05:15:00	0.16764	8.62	24.36	7.47	1365	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 05:30:00	0.16764	8.59	24.4	7.47	1366	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 05:45:00	0.16764	8.46	24.34	7.47	1362	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 06:00:00	0.16764	8.44	24.3	7.47	1359	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 06:15:00	0.16764	8.43	24.26	7.45	1358	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 06:30:00	0.16764	8.44	24.21	7.45	1353	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 06:45:00	0.16764	8.28	24.18	7.43	1350	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 07:00:00	0.16764	8.21	24.17	7.44	1351	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 07:15:00	0.16764	8.24	24.16	7.43	1351	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 07:30:00	0.16764	8.34	24.18	7.43	1348	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 07:45:00	0.16764	8.64	24.18	7.38	1326	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 08:00:00	0.16764	8.82	24.13	7.36	1317	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 08:15:00	0.16764	8.93	24.15	7.37	1328	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 08:30:00	0.16764	8.81	24.16	7.37	1337	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 08:45:00	0.16764	8.94	24.17	7.33	1354	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 09:00:00	0.16764	9.42	24.17	7.23	1366	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 09:15:00	0.16764	9.84	24.29	7.17	1362	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 09:30:00	0.16764	10.12	24.36	7.11	1351	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 09:45:00	0.16764	10.23	24.47	7.1	1337	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 10:00:00	0.16764	10.32	24.55	7.1	1325	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 10:15:00	0.16764	10.44	24.72	7.1	1308	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 10:30:00	0.16764	10.47	24.83	7.08	1295	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 10:45:00	0.16764	10.53	25.01	7.09	1287	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 11:00:00	0.16764	10.66	25.26	7.1	1287	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 11:15:00	0.16764	10.76	25.61	7.12	1286	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 11:30:00	0.16764	10.53	25.67	7.11	1289	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 11:45:00	0.16764	10.02	25.67	7.1	1304	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 12:00:00	0.16764	10.19	25.91	7.1	1301	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 12:15:00	0.16764	10.19	26.28	7.12	1306	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 12:30:00	0.16764	10.02	26.52	7.15	1308	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 12:45:00	0.16764	9.66	26.61	7.18	1319	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 13:00:00	0.16764	9.91	27.17	7.16	1308	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 13:15:00	0.16764	10.43	27.52	7.18	1304	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 13:30:00	0.16764	10.28	27.48	7.17	1302	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 13:45:00	0.16764	10.68	27.04	7.19	1303	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 14:00:00	0.16764	10.53	27.45	7.2	1305	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 14:15:00	0.16764	10.4	27.66	7.21	1305	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 14:30:00	0.16764	10.32	27.84	7.22	1305	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 14:45:00	0.16764	11.05	27.32	7.22	1313	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 15:00:00	0.16764	11.11	27.59	7.23	1315	pH failed to post-calibrate, but values in range.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 15:15:00	0.16764	11.49	27.01	7.23	1314	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 15:30:00	0.16764	11.11	27.63	7.25	1307	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 15:45:00	0.16764	11.22	27.41	7.25	1313	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 16:00:00	0.16764	10.76	27.06	7.27	1318	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 16:15:00	0.16764	11.08	27.04	7.29	1325	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 16:30:00	0.16764	10.81	27.51	7.29	1321	pH failed to post-calibrate, but values in range.
BWMW-21	Black Warrior Minerals Manchester Mine Outfall 21	26-05-2011 16:45:00	0.16764	10.83	27.45	7.34	1324	pH failed to post-calibrate, but values in range.
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.26	26.51	7.85	1326	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.37	26.75	7.85	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.38	25.84	7.79	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.38	26.93	7.83	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.39	25.8	7.79	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.39	25.82	7.78	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.39	26.05	7.81	1323	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.4	25.85	7.8	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.4	26.17	7.85	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	25.45	7.77	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	26	7.8	1323	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	26.22	7.81	1321	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	26.55	7.83	1316	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	26.81	7.83	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	27.01	7.81	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	27.25	7.85	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.41	27.49	7.88	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.42	26.63	7.85	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.42	26.69	7.83	1313	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.43	25.46	7.78	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.43	26.16	7.81	1321	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.43	26.75	7.85	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.44	25.57	7.78	1326	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.44	25.82	7.79	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.44	25.85	7.8	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	25.47	7.77	1328	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	25.61	7.78	1326	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	25.64	7.78	1326	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	25.97	7.79	1323	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	26.08	7.87	1306	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	26.13	7.8	1322	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	26.43	7.81	1319	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	26.6	7.84	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	26.71	7.84	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.45	27.06	7.81	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.46	25.5	7.79	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.46	25.85	7.79	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.47	25.52	7.77	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.47	25.71	7.79	1324	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.47	25.8	7.79	1324	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.47	26.84	7.86	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.48	25.52	7.77	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.48	26.32	7.81	1320	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.49	26.9	7.85	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.5	25.88	7.78	1325	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.5	26.07	7.86	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.5	27.11	7.8	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.51	25.85	7.78	1324	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.51	25.86	7.79	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.51	25.89	7.78	1324	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.51	26.36	7.8	1320	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.52	25.5	7.78	1328	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.52	26.03	7.86	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.52	26.46	7.81	1319	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.53	27.19	7.8	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.54	25.89	7.79	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.54	25.89	7.8	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.56	27.97	7.89	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.57	26.63	7.82	1316	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.57	26.95	7.86	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.58	25.51	7.79	1328	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.59	25.93	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.59	25.96	7.8	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.6	25.77	7.82	1328	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.6	25.98	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.6	27.6	7.88	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.61	25.92	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.62	27.03	7.85	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.62	27.42	7.88	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.64	26.03	7.79	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.64	27.67	7.89	1310	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.65	25.53	7.8	1328	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.65	25.92	7.81	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.65	26.08	7.79	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.65	27.24	7.81	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.66	26.04	7.79	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.68	26.13	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.68	26.76	7.82	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.69	25.56	7.81	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.69	26.18	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.7	26.21	7.79	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.71	25.93	7.82	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.71	26.94	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.71	27.88	7.89	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.72	26.23	7.81	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.72	26.7	7.82	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.72	26.84	7.83	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.73	26.42	7.81	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.73	26.91	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.74	26.58	7.81	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.74	27.1	7.83	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.75	26.32	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.76	26.63	7.81	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.76	27.29	7.8	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.77	26.55	7.81	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.77	26.66	7.81	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.78	26.36	7.8	1310	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.78	26.47	7.81	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.78	26.52	7.82	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.78	26.78	7.83	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.78	27.18	7.82	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.78	27.74	7.89	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.79	27.02	7.85	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.8	26.39	7.8	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.8	28.1	7.89	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.81	27.21	7.81	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.82	25.66	7.82	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.82	27.04	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.82	27.82	7.89	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.84	28.05	7.9	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.85	28.17	7.9	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.86	27.31	7.87	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.92	27.39	7.81	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.93	28.22	7.9	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.94	25.97	7.84	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.96	27.12	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.96	27.33	7.83	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.99	27.17	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	8.99	27.42	7.84	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.01	27.73	7.87	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.01	28.34	7.91	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.02	25.49	7.86	1297	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.03	25.15	7.89	1260	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.03	27.46	7.82	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.04	25.34	7.87	1284	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.04	26.01	7.84	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.05	28.27	7.91	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.06	27.23	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.07	27.52	7.85	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.08	27.58	7.86	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.08	27.81	7.86	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.12	27.28	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.12	27.67	7.86	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.13	27.54	7.81	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.19	27.61	7.82	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.21	28.43	7.91	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.24	27.69	7.8	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.26	25.86	7.85	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.26	26.26	7.86	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.26	27.84	7.77	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.27	25.85	7.85	1326	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.29	27.89	7.78	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.31	27.74	7.78	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.34	26.09	7.87	1323	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.34	27.88	7.88	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.35	27.97	7.89	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.36	25.9	7.85	1302	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.4	28.86	7.91	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.41	28.54	7.92	1312	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.48	27.98	7.78	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.5	28.73	7.92	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.51	26.09	7.86	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.52	28.95	7.9	1331	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.53	26.79	7.9	1321	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.55	25.52	7.82	1137	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.56	25.83	7.86	1136	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.56	28.97	7.93	1330	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.57	25.73	7.82	1135	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.58	25.58	7.84	1138	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.59	25.95	7.87	1325	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.59	28.04	7.8	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.61	25.6	7.85	1138	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.62	26.15	7.91	1322	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.63	25.17	7.83	1139	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.63	25.21	7.84	1138	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.64	25.26	7.85	1139	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.64	26.16	7.87	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.65	25.89	7.87	1325	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.67	24.97	7.89	1259	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.68	28.03	7.9	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.68	28.94	7.94	1320	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.69	24.55	7.79	1139	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.7	29.07	7.94	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.71	24.99	7.84	1136	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.71	29	7.94	1325	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.72	24.46	7.81	1140	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.73	26.65	7.93	1321	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.73	28.99	7.94	1327	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.74	24.52	7.83	1140	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.74	24.54	7.81	1138	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.74	25.91	7.86	1135	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.76	25.67	7.82	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.76	27.37	7.91	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.77	26.89	7.94	1320	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.77	26.99	7.92	1319	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.78	24.75	7.84	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.78	25.42	7.83	1137	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.78	28.94	7.94	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.8	26.03	7.9	1324	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.84	26.75	7.92	1303	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.86	24.3	7.82	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.87	27.95	7.88	1316	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.87	29.07	7.96	1326	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.88	27.34	7.88	1300	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.92	28.53	7.86	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.93	24.21	7.83	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.93	26.08	7.88	1137	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.98	23.79	7.79	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.98	24.03	7.81	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.99	23.88	7.8	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	9.99	28.05	7.9	1309	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.01	24.07	7.82	1140	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.02	23.63	7.78	1142	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.02	26.87	7.91	1304	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.03	23.63	7.78	1142	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.03	23.64	7.78	1140	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.03	27.24	7.9	1302	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.04	28.12	7.82	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.05	28.55	7.87	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.06	26.06	7.89	1137	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.07	23.24	7.72	1140	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.07	23.51	7.77	1144	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.07	26.26	7.9	1319	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.07	28.61	7.86	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.08	28.2	7.9	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.08	28.34	7.84	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.09	26.45	7.88	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.09	28.14	7.91	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.1	23.44	7.76	1144	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.1	25.7	7.89	1137	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.11	23.41	7.75	1143	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.11	26.2	7.91	1321	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.11	28.53	7.85	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.12	26.56	7.91	1305	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.12	28.24	7.91	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.13	23.34	7.74	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.13	23.38	7.75	1142	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.13	28.49	7.84	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.15	23.26	7.73	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.15	28.28	7.92	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.16	23.28	7.73	1141	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.16	27.81	7.93	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.16	28.33	7.93	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.17	23.25	7.7	1144	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.19	28.21	7.84	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.2	23.34	7.71	1146	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.2	23.41	7.73	1151	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.2	28.53	7.93	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.21	23.22	7.71	1143	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.21	27.12	7.9	1301	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.24	26.37	7.94	1320	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.24	29.06	7.96	1319	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.27	23.31	7.72	1142	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.27	28.56	7.93	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.28	26.91	7.91	1302	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.29	23.25	7.72	1144	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.31	27.23	7.91	1301	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.33	28.03	7.94	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.33	28.59	7.89	1314	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.34	23.29	7.72	1144	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.37	28.45	7.93	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.37	28.53	7.9	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.37	28.6	7.9	1312	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.37	28.66	7.95	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.38	28.37	7.93	1312	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.41	26.51	7.92	1320	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.43	26.63	7.91	1304	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.43	28.48	7.93	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.44	28.55	7.86	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.44	28.69	7.93	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.46	27.24	7.94	1315	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.47	27.73	7.9	1301	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.49	28.27	7.85	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.49	28.69	7.97	1306	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.51	28.53	7.92	1311	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.53	28.24	7.91	1313	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.54	28.42	7.95	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.56	28.02	7.93	1296	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.57	23.38	7.75	1133	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.61	28.57	7.94	1310	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.64	28.45	7.87	1309	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.68	28.23	7.91	1295	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.7	28.51	7.96	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.71	28.61	7.96	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.72	27.76	7.93	1296	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.72	27.94	7.93	1293	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.77	28.5	7.89	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.85	27.85	8	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.87	24.31	7.83	1215	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.9	28.56	7.97	1306	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	10.94	28.76	7.93	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.08	28.39	7.99	1307	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.16	23.73	7.8	1162	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.18	23.55	7.78	1148	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.2	23.58	7.78	1148	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.32	28.18	7.99	1306	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.35	27.86	7.96	1308	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.69	23.69	7.8	1151	
BWMW-36	Black Warrior Minerals Manchester Mine Outfall 36	23-05-2011 15:36:00	0.24384	11.75	23.63	7.79	1150	
CANW-51	Cane Ck	09-05-2011 15:00:00	0.28956	9.49	21.26	7.52	561	
CANW-51	Cane Ck	09-05-2011 15:15:00	0.28956	9.34	21.31	7.61	584	
CANW-51	Cane Ck	09-05-2011 15:30:00	0.28956	9.27	21.33	7.64	609	
CANW-51	Cane Ck	09-05-2011 15:45:00	0.28956	9.18	21.4	7.66	607	
CANW-51	Cane Ck	09-05-2011 16:00:00	0.28956	9.12	21.42	7.66	605	
CANW-51	Cane Ck	09-05-2011 16:15:00	0.28956	9.06	21.45	7.66	605	
CANW-51	Cane Ck	09-05-2011 16:30:00	0.28956	9.06	21.47	7.66	606	
CANW-51	Cane Ck	09-05-2011 16:45:00	0.28956	8.98	21.47	7.65	606	
CANW-51	Cane Ck	09-05-2011 17:00:00	0.28956	8.96	21.45	7.64	606	
CANW-51	Cane Ck	09-05-2011 17:15:00	0.28956	8.86	21.43	7.64	606	
CANW-51	Cane Ck	09-05-2011 17:30:00	0.28956	8.87	21.4	7.62	606	
CANW-51	Cane Ck	09-05-2011 17:45:00	0.28956	8.78	21.37	7.6	607	
CANW-51	Cane Ck	09-05-2011 18:00:00	0.28956	8.74	21.33	7.6	608	
CANW-51	Cane Ck	09-05-2011 18:15:00	0.28956	8.69	21.3	7.59	608	
CANW-51	Cane Ck	09-05-2011 18:30:00	0.28956	8.66	21.26	7.57	609	
CANW-51	Cane Ck	09-05-2011 18:45:00	0.28956	8.56	21.22	7.57	610	
CANW-51	Cane Ck	09-05-2011 19:00:00	0.28956	8.55	21.17	7.56	610	
CANW-51	Cane Ck	09-05-2011 19:15:00	0.28956	8.52	21.12	7.55	611	
CANW-51	Cane Ck	09-05-2011 19:30:00	0.28956	8.43	21.07	7.54	611	
CANW-51	Cane Ck	09-05-2011 19:45:00	0.28956	8.38	20.99	7.54	612	
CANW-51	Cane Ck	09-05-2011 20:00:00	0.28956	8.4	20.94	7.53	612	
CANW-51	Cane Ck	09-05-2011 20:15:00	0.28956	8.33	20.85	7.52	613	
CANW-51	Cane Ck	09-05-2011 20:30:00	0.28956	8.32	20.78	7.52	613	
CANW-51	Cane Ck	09-05-2011 20:45:00	0.28956	8.32	20.72	7.51	613	
CANW-51	Cane Ck	09-05-2011 21:00:00	0.28956	8.31	20.62	7.5	614	
CANW-51	Cane Ck	09-05-2011 21:15:00	0.28956	8.25	20.54	7.5	615	
CANW-51	Cane Ck	09-05-2011 21:30:00	0.28956	8.22	20.48	7.49	615	
CANW-51	Cane Ck	09-05-2011 21:45:00	0.28956	8.2	20.38	7.5	616	
CANW-51	Cane Ck	09-05-2011 22:00:00	0.28956	8.24	20.3	7.49	617	
CANW-51	Cane Ck	09-05-2011 22:15:00	0.28956	8.19	20.22	7.49	618	
CANW-51	Cane Ck	09-05-2011 22:30:00	0.28956	8.18	20.14	7.48	619	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-51	Cane Ck	09-05-2011 22:45:00	0.28956	8.18	20.06	7.47	620	
CANW-51	Cane Ck	09-05-2011 23:00:00	0.28956	8.17	19.95	7.47	621	
CANW-51	Cane Ck	09-05-2011 23:15:00	0.28956	8.23	19.87	7.47	621	
CANW-51	Cane Ck	09-05-2011 23:30:00	0.28956	8.2	19.8	7.46	621	
CANW-51	Cane Ck	09-05-2011 23:45:00	0.28956	8.22	19.7	7.47	622	
CANW-51	Cane Ck	10-05-2011 00:00:00	0.28956	8.19	19.62	7.47	623	
CANW-51	Cane Ck	10-05-2011 00:15:00	0.28956	8.24	19.52	7.46	623	
CANW-51	Cane Ck	10-05-2011 00:30:00	0.28956	8.3	19.44	7.46	624	
CANW-51	Cane Ck	10-05-2011 00:45:00	0.28956	8.26	19.35	7.46	624	
CANW-51	Cane Ck	10-05-2011 01:00:00	0.28956	8.33	19.25	7.47	624	
CANW-51	Cane Ck	10-05-2011 01:15:00	0.28956	8.3	19.16	7.47	625	
CANW-51	Cane Ck	10-05-2011 01:30:00	0.28956	8.37	19.06	7.47	625	
CANW-51	Cane Ck	10-05-2011 01:45:00	0.28956	8.34	18.98	7.47	625	
CANW-51	Cane Ck	10-05-2011 02:00:00	0.28956	8.43	18.89	7.47	625	
CANW-51	Cane Ck	10-05-2011 02:15:00	0.28956	8.47	18.81	7.47	624	
CANW-51	Cane Ck	10-05-2011 02:30:00	0.28956	8.48	18.74	7.46	625	
CANW-51	Cane Ck	10-05-2011 02:45:00	0.28956	8.43	18.61	7.47	625	
CANW-51	Cane Ck	10-05-2011 03:00:00	0.28956	8.49	18.57	7.46	624	
CANW-51	Cane Ck	10-05-2011 03:15:00	0.28956	8.53	18.48	7.47	624	
CANW-51	Cane Ck	10-05-2011 03:30:00	0.28956	8.55	18.4	7.46	624	
CANW-51	Cane Ck	10-05-2011 03:45:00	0.28956	8.59	18.31	7.47	624	
CANW-51	Cane Ck	10-05-2011 04:00:00	0.28956	8.62	18.22	7.47	623	
CANW-51	Cane Ck	10-05-2011 04:15:00	0.28956	8.64	18.16	7.47	623	
CANW-51	Cane Ck	10-05-2011 04:30:00	0.28956	8.66	18.09	7.47	623	
CANW-51	Cane Ck	10-05-2011 04:45:00	0.28956	8.68	18.02	7.47	622	
CANW-51	Cane Ck	10-05-2011 05:00:00	0.28956	8.64	17.94	7.46	622	
CANW-51	Cane Ck	10-05-2011 05:15:00	0.28956	8.7	17.87	7.45	621	
CANW-51	Cane Ck	10-05-2011 05:30:00	0.28956	8.71	17.8	7.44	620	
CANW-51	Cane Ck	10-05-2011 05:45:00	0.28956	8.68	17.73	7.44	620	
CANW-51	Cane Ck	10-05-2011 06:00:00	0.28956	8.75	17.66	7.44	619	
CANW-51	Cane Ck	10-05-2011 06:15:00	0.28956	8.78	17.6	7.44	619	
CANW-51	Cane Ck	10-05-2011 06:30:00	0.28956	8.79	17.55	7.43	619	
CANW-51	Cane Ck	10-05-2011 06:45:00	0.28956	8.82	17.48	7.44	618	
CANW-51	Cane Ck	10-05-2011 07:00:00	0.28956	8.79	17.43	7.43	618	
CANW-51	Cane Ck	10-05-2011 07:15:00	0.28956	8.82	17.39	7.42	617	
CANW-51	Cane Ck	10-05-2011 07:30:00	0.28956	8.83	17.36	7.43	617	
CANW-51	Cane Ck	10-05-2011 07:45:00	0.28956	8.94	17.31	7.44	616	
CANW-51	Cane Ck	10-05-2011 08:00:00	0.28956	8.99	17.3	7.44	616	
CANW-51	Cane Ck	10-05-2011 08:15:00	0.28956	9.04	17.29	7.44	616	
CANW-51	Cane Ck	10-05-2011 08:30:00	0.28956	9.02	17.3	7.45	616	
CANW-51	Cane Ck	10-05-2011 08:45:00	0.28956	9.16	17.33	7.45	616	
CANW-51	Cane Ck	10-05-2011 09:00:00	0.28956	9.18	17.39	7.45	616	
CANW-51	Cane Ck	10-05-2011 09:15:00	0.28956	9.23	17.46	7.44	616	
CANW-51	Cane Ck	10-05-2011 09:30:00	0.28956	9.25	17.58	7.46	616	
CANW-51	Cane Ck	10-05-2011 09:45:00	0.28956	9.27	17.72	7.47	616	
CANW-51	Cane Ck	10-05-2011 10:00:00	0.28956	9.32	17.87	7.49	616	
CANW-51	Cane Ck	10-05-2011 10:15:00	0.28956	9.41	18.04	7.5	617	
CANW-51	Cane Ck	10-05-2011 10:30:00	0.28956	9.41	18.27	7.5	617	
CANW-51	Cane Ck	10-05-2011 10:45:00	0.28956	9.45	18.53	7.52	618	
CANW-51	Cane Ck	10-05-2011 11:00:00	0.28956	9.53	18.76	7.53	619	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-51	Cane Ck	10-05-2011 11:15:00	0.28956	9.55	19	7.54	619	
CANW-51	Cane Ck	10-05-2011 11:30:00	0.28956	9.54	19.26	7.55	619	
CANW-51	Cane Ck	10-05-2011 11:45:00	0.28956	9.54	19.48	7.55	619	
CANW-51	Cane Ck	10-05-2011 12:00:00	0.28956	9.5	19.66	7.55	620	
CANW-51	Cane Ck	10-05-2011 12:15:00	0.28956	9.52	19.95	7.56	620	
CANW-51	Cane Ck	10-05-2011 12:30:00	0.28956	9.48	20.23	7.58	621	
CANW-51	Cane Ck	10-05-2011 12:45:00	0.28956	9.47	20.41	7.58	621	
CANW-51	Cane Ck	10-05-2011 13:00:00	0.28956	9.45	20.7	7.59	621	
CANW-51	Cane Ck	10-05-2011 13:15:00	0.28956	9.47	20.89	7.6	622	
CANW-51	Cane Ck	10-05-2011 13:30:00	0.28956	9.42	21.11	7.61	622	
CANW-51	Cane Ck	10-05-2011 13:45:00	0.28956	9.36	21.34	7.62	622	
CANW-51	Cane Ck	10-05-2011 14:00:00	0.28956	9.37	21.55	7.61	622	
CANW-51	Cane Ck	10-05-2011 14:15:00	0.28956	9.3	21.69	7.62	621	
CANW-51	Cane Ck	10-05-2011 14:30:00	0.28956	9.25	21.86	7.62	619	
CANW-51	Cane Ck	10-05-2011 14:45:00	0.28956	9.23	21.97	7.62	618	
CANW-51	Cane Ck	10-05-2011 15:00:00	0.28956	9.2	22.07	7.62	615	
CANW-51	Cane Ck	10-05-2011 15:15:00	0.28956	9.09	22.18	7.62	610	
CANW-51	Cane Ck	10-05-2011 15:30:00	0.28956	9.08	22.25	7.62	560	
CANW-51	Cane Ck	10-05-2011 15:45:00	0.28956	8.97	22.28	7.62	559	
CANW-51	Cane Ck	10-05-2011 16:00:00	0.28956	8.92	22.32	7.63	559	
CANW-51	Cane Ck	10-05-2011 16:15:00	0.28956	8.86	22.36	7.61	559	
CANW-51	Cane Ck	10-05-2011 16:30:00	0.28956	8.86	22.38	7.61	558	
CANW-51	Cane Ck	10-05-2011 16:45:00	0.28956	8.79	22.36	7.6	557	
CANW-51	Cane Ck	10-05-2011 17:00:00	0.28956	8.83	22.35	7.61	557	
CANW-51	Cane Ck	10-05-2011 17:15:00	0.28956	8.76	22.33	7.6	557	
CANW-51	Cane Ck	10-05-2011 17:30:00	0.28956	8.66	22.29	7.59	556	
CANW-51	Cane Ck	10-05-2011 17:45:00	0.28956	8.56	22.27	7.58	556	
CANW-51	Cane Ck	10-05-2011 18:00:00	0.28956	8.5	22.22	7.58	556	
CANW-51	Cane Ck	10-05-2011 18:15:00	0.28956	8.42	22.19	7.57	556	
CANW-51	Cane Ck	10-05-2011 18:30:00	0.28956	8.41	22.15	7.55	556	
CANW-51	Cane Ck	10-05-2011 18:45:00	0.28956	8.35	22.11	7.54	556	
CANW-51	Cane Ck	10-05-2011 19:00:00	0.28956	8.32	22.07	7.52	556	
CANW-51	Cane Ck	10-05-2011 19:15:00	0.28956	8.31	22.02	7.53	556	
CANW-51	Cane Ck	10-05-2011 19:30:00	0.28956	8.23	21.97	7.51	557	
CANW-51	Cane Ck	10-05-2011 19:45:00	0.28956	8.24	21.9	7.51	557	
CANW-51	Cane Ck	10-05-2011 20:00:00	0.28956	8.21	21.84	7.5	557	
CANW-51	Cane Ck	10-05-2011 20:15:00	0.28956	8.14	21.78	7.49	558	
CANW-51	Cane Ck	10-05-2011 20:30:00	0.28956	8.14	21.71	7.48	558	
CANW-51	Cane Ck	10-05-2011 20:45:00	0.28956	8.05	21.62	7.49	558	
CANW-51	Cane Ck	10-05-2011 21:00:00	0.28956	7.99	21.56	7.48	559	
CANW-51	Cane Ck	10-05-2011 21:15:00	0.28956	8.02	21.49	7.48	559	
CANW-51	Cane Ck	10-05-2011 21:30:00	0.28956	7.98	21.41	7.47	559	
CANW-51	Cane Ck	10-05-2011 21:45:00	0.28956	7.88	21.31	7.46	560	
CANW-51	Cane Ck	10-05-2011 22:00:00	0.28956	7.98	21.22	7.47	560	
CANW-51	Cane Ck	10-05-2011 22:15:00	0.28956	8.01	21.16	7.46	560	
CANW-51	Cane Ck	10-05-2011 22:30:00	0.28956	7.95	21.06	7.45	560	
CANW-51	Cane Ck	10-05-2011 22:45:00	0.28956	7.92	20.98	7.45	561	
CANW-51	Cane Ck	10-05-2011 23:00:00	0.28956	7.94	20.89	7.45	561	
CANW-51	Cane Ck	10-05-2011 23:15:00	0.28956	7.91	20.8	7.44	561	
CANW-51	Cane Ck	10-05-2011 23:30:00	0.28956	7.97	20.72	7.44	562	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-51	Cane Ck	10-05-2011 23:45:00	0.28956	7.93	20.62	7.44	562	
CANW-51	Cane Ck	11-05-2011 00:00:00	0.28956	7.97	20.54	7.44	562	
CANW-51	Cane Ck	11-05-2011 00:15:00	0.28956	8.01	20.43	7.44	562	
CANW-51	Cane Ck	11-05-2011 00:30:00	0.28956	7.97	20.35	7.43	562	
CANW-51	Cane Ck	11-05-2011 00:45:00	0.28956	7.98	20.25	7.43	562	
CANW-51	Cane Ck	11-05-2011 01:00:00	0.28956	8.02	20.16	7.43	563	
CANW-51	Cane Ck	11-05-2011 01:15:00	0.28956	8.04	20.09	7.42	563	
CANW-51	Cane Ck	11-05-2011 01:30:00	0.28956	8.08	19.97	7.43	562	
CANW-51	Cane Ck	11-05-2011 01:45:00	0.28956	8.03	19.88	7.43	563	
CANW-51	Cane Ck	11-05-2011 02:00:00	0.28956	8.08	19.78	7.43	563	
CANW-51	Cane Ck	11-05-2011 02:15:00	0.28956	8.04	19.7	7.42	562	
CANW-51	Cane Ck	11-05-2011 02:30:00	0.28956	8.06	19.61	7.43	562	
CANW-51	Cane Ck	11-05-2011 02:45:00	0.28956	8.14	19.53	7.42	562	
CANW-51	Cane Ck	11-05-2011 03:00:00	0.28956	8.14	19.46	7.42	562	
CANW-51	Cane Ck	11-05-2011 03:15:00	0.28956	8.15	19.36	7.42	561	
CANW-51	Cane Ck	11-05-2011 03:30:00	0.28956	8.14	19.28	7.42	561	
CANW-51	Cane Ck	11-05-2011 03:45:00	0.28956	8.21	19.19	7.42	561	
CANW-51	Cane Ck	11-05-2011 04:00:00	0.28956	8.17	19.12	7.42	560	
CANW-51	Cane Ck	11-05-2011 04:15:00	0.28956	8.28	19.04	7.42	560	
CANW-51	Cane Ck	11-05-2011 04:30:00	0.28956	8.26	18.97	7.41	560	
CANW-51	Cane Ck	11-05-2011 04:45:00	0.28956	8.31	18.89	7.4	559	
CANW-51	Cane Ck	11-05-2011 05:00:00	0.28956	8.31	18.8	7.41	559	
CANW-51	Cane Ck	11-05-2011 05:15:00	0.28956	8.33	18.72	7.41	558	
CANW-51	Cane Ck	11-05-2011 05:30:00	0.28956	8.38	18.63	7.41	558	
CANW-51	Cane Ck	11-05-2011 05:45:00	0.28956	8.42	18.58	7.42	558	
CANW-51	Cane Ck	11-05-2011 06:00:00	0.28956	8.42	18.51	7.41	557	
CANW-51	Cane Ck	11-05-2011 06:15:00	0.28956	8.42	18.43	7.41	557	
CANW-51	Cane Ck	11-05-2011 06:30:00	0.28956	8.49	18.36	7.41	557	
CANW-51	Cane Ck	11-05-2011 06:45:00	0.28956	8.52	18.3	7.4	557	
CANW-51	Cane Ck	11-05-2011 07:00:00	0.28956	8.57	18.23	7.41	556	
CANW-51	Cane Ck	11-05-2011 07:15:00	0.28956	8.6	18.16	7.41	556	
CANW-51	Cane Ck	11-05-2011 07:30:00	0.28956	8.58	18.13	7.41	556	
CANW-51	Cane Ck	11-05-2011 07:45:00	0.28956	8.63	18.1	7.41	556	
CANW-51	Cane Ck	11-05-2011 08:00:00	0.28956	8.6	18.07	7.42	556	
CANW-51	Cane Ck	11-05-2011 08:15:00	0.28956	8.65	18.06	7.42	556	
CANW-51	Cane Ck	11-05-2011 08:30:00	0.28956	8.76	18.05	7.42	556	
CANW-51	Cane Ck	11-05-2011 08:45:00	0.28956	8.84	18.06	7.41	556	
CANW-51	Cane Ck	11-05-2011 09:00:00	0.28956	8.78	18.1	7.41	555	
CANW-51	Cane Ck	11-05-2011 09:15:00	0.28956	8.87	18.16	7.41	555	
CANW-51	Cane Ck	11-05-2011 09:30:00	0.28956	8.68	18.27	7.44	555	
CANW-51	Cane Ck	11-05-2011 09:45:00	0.28956	8.7	18.38	7.45	555	
CANW-51	Cane Ck	11-05-2011 10:00:00	0.28956	8.62	18.52	7.46	555	
CANW-51	Cane Ck	11-05-2011 10:15:00	0.28956	9.12	18.7	7.46	555	
CANW-51	Cane Ck	11-05-2011 10:30:00	0.28956	9.12	18.86	7.47	555	
CANW-51	Cane Ck	11-05-2011 10:45:00	0.28956	9.3	19.14	7.49	556	
CANW-51	Cane Ck	11-05-2011 11:00:00	0.28956	9.34	19.4	7.5	556	
CANW-51	Cane Ck	11-05-2011 11:15:00	0.28956	9.35	19.64	7.48	556	
CANW-51	Cane Ck	11-05-2011 11:30:00	0.28956	9.35	19.9	7.48	556	
CANW-51	Cane Ck	11-05-2011 11:45:00	0.28956	9.17	20.1	7.5	557	
CANW-51	Cane Ck	11-05-2011 12:00:00	0.28956	9.35	20.32	7.52	557	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-51	Cane Ck	11-05-2011 12:15:00	0.28956	9.26	20.67	7.54	557	
CANW-51	Cane Ck	11-05-2011 12:30:00	0.28956	9.4	20.87	7.52	557	
CANW-51	Cane Ck	11-05-2011 12:45:00	0.28956	9.29	21.11	7.54	558	
CANW-51	Cane Ck	11-05-2011 13:00:00	0.28956	9.31	21.37	7.54	558	
CANW-51	Cane Ck	11-05-2011 13:15:00	0.28956	9.32	21.63	7.53	558	
CANW-51	Cane Ck	11-05-2011 13:30:00	0.28956	9.28	21.88	7.54	558	
CANW-51	Cane Ck	11-05-2011 13:45:00	0.28956	9.21	22.13	7.55	559	
CANW-51	Cane Ck	11-05-2011 14:00:00	0.28956	9.17	22.3	7.59	559	
CANW-51	Cane Ck	11-05-2011 14:15:00	0.28956	9.14	22.47	7.59	560	
CANW-51	Cane Ck	11-05-2011 14:30:00	0.28956	9.08	22.57	7.59	560	
CANW-51	Cane Ck	11-05-2011 14:45:00	0.28956	8.94	22.72	7.6	560	
CANW-51	Cane Ck	11-05-2011 15:00:00	0.28956	8.72	22.83	7.58	560	
CANW-51	Cane Ck	11-05-2011 15:15:00	0.28956	8.84	22.94	7.57	560	
CANW-51	Cane Ck	11-05-2011 15:30:00	0.28956	8.81	23.02	7.58	560	
CANW-51	Cane Ck	11-05-2011 15:45:00	0.28956	8.9	23.06	7.62	559	
CANW-51	Cane Ck	11-05-2011 16:00:00	0.28956	8.86	23.09	7.58	559	
CANW-51	Cane Ck	11-05-2011 16:15:00	0.28956	8.71	23.11	7.58	559	
CANW-51	Cane Ck	11-05-2011 16:30:00	0.28956	8.74	23.13	7.6	559	
CANW-51	Cane Ck	11-05-2011 16:45:00	0.28956	8.69	23.12	7.6	558	
CANW-51	Cane Ck	11-05-2011 17:00:00	0.28956	8.55	23.09	7.58	558	
CANW-51	Cane Ck	11-05-2011 17:15:00	0.28956	8.42	23.08	7.58	559	
CANW-51	Cane Ck	11-05-2011 17:30:00	0.28956	8.41	23.05	7.56	560	
CANW-51	Cane Ck	11-05-2011 17:45:00	0.28956	8.4	23.01	7.56	560	
CANW-51	Cane Ck	11-05-2011 18:00:00	0.28956	8.46	22.99	7.56	560	
CANW-51	Cane Ck	11-05-2011 18:15:00	0.28956	8.3	22.96	7.54	560	
CANW-51	Cane Ck	11-05-2011 18:30:00	0.28956	8.33	22.9	7.53	560	
CANW-51	Cane Ck	11-05-2011 18:45:00	0.28956	8.16	22.86	7.52	560	
CANW-51	Cane Ck	11-05-2011 19:00:00	0.28956	8.17	22.81	7.51	559	
CANW-51	Cane Ck	11-05-2011 19:15:00	0.28956	8.17	22.75	7.51	558	
CANW-51	Cane Ck	11-05-2011 19:30:00	0.28956	8.09	22.71	7.5	558	
CANW-51	Cane Ck	11-05-2011 19:45:00	0.28956	8.01	22.66	7.49	557	
CANW-51	Cane Ck	11-05-2011 20:00:00	0.28956	8.04	22.59	7.49	556	
CANW-51	Cane Ck	11-05-2011 20:15:00	0.28956	8	22.5	7.48	555	
CANW-51	Cane Ck	11-05-2011 20:30:00	0.28956	7.82	22.43	7.47	554	
CANW-51	Cane Ck	11-05-2011 20:45:00	0.28956	7.82	22.38	7.46	553	
CANW-51	Cane Ck	11-05-2011 21:00:00	0.28956	7.83	22.29	7.46	553	
CANW-51	Cane Ck	11-05-2011 21:15:00	0.28956	7.86	22.22	7.45	552	
CANW-51	Cane Ck	11-05-2011 21:30:00	0.28956	7.8	22.13	7.44	552	
CANW-51	Cane Ck	11-05-2011 21:45:00	0.28956	7.78	22.05	7.44	552	
CANW-51	Cane Ck	11-05-2011 22:00:00	0.28956	7.78	21.95	7.44	551	
CANW-51	Cane Ck	11-05-2011 22:15:00	0.28956	7.79	21.89	7.44	551	
CANW-51	Cane Ck	11-05-2011 22:30:00	0.28956	7.83	21.81	7.43	551	
CANW-51	Cane Ck	11-05-2011 22:45:00	0.28956	7.8	21.69	7.43	551	
CANW-51	Cane Ck	11-05-2011 23:00:00	0.28956	7.83	21.62	7.42	551	
CANW-51	Cane Ck	11-05-2011 23:15:00	0.28956	7.79	21.53	7.42	551	
CANW-51	Cane Ck	11-05-2011 23:30:00	0.28956	7.84	21.41	7.42	551	
CANW-51	Cane Ck	11-05-2011 23:45:00	0.28956	7.84	21.32	7.41	551	
CANW-51	Cane Ck	12-05-2011 00:00:00	0.28956	7.79	21.22	7.41	552	
CANW-51	Cane Ck	12-05-2011 00:15:00	0.28956	7.85	21.13	7.41	552	
CANW-51	Cane Ck	12-05-2011 00:30:00	0.28956	7.87	21.03	7.41	552	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-51	Cane Ck	12-05-2011 00:45:00	0.28956	7.83	20.92	7.41	553	
CANW-51	Cane Ck	12-05-2011 01:00:00	0.28956	7.84	20.81	7.4	553	
CANW-51	Cane Ck	12-05-2011 01:15:00	0.28956	7.89	20.72	7.4	553	
CANW-51	Cane Ck	12-05-2011 01:30:00	0.28956	7.83	20.61	7.4	554	
CANW-51	Cane Ck	12-05-2011 01:45:00	0.28956	7.8	20.51	7.4	553	
CANW-51	Cane Ck	12-05-2011 02:00:00	0.28956	7.94	20.42	7.4	554	
CANW-51	Cane Ck	12-05-2011 02:15:00	0.28956	7.97	20.33	7.4	553	
CANW-51	Cane Ck	12-05-2011 02:30:00	0.28956	7.97	20.24	7.39	554	
CANW-51	Cane Ck	12-05-2011 02:45:00	0.28956	8.02	20.16	7.39	554	
CANW-51	Cane Ck	12-05-2011 03:00:00	0.28956	7.86	20.07	7.4	555	
CANW-51	Cane Ck	12-05-2011 03:15:00	0.28956	8	19.98	7.4	555	
CANW-51	Cane Ck	12-05-2011 03:30:00	0.28956	7.95	19.89	7.39	555	
CANW-51	Cane Ck	12-05-2011 03:45:00	0.28956	8.06	19.8	7.4	556	
CANW-51	Cane Ck	12-05-2011 04:00:00	0.28956	8.03	19.72	7.39	556	
CANW-51	Cane Ck	12-05-2011 04:15:00	0.28956	8.1	19.66	7.39	556	
CANW-51	Cane Ck	12-05-2011 04:30:00	0.28956	8.12	19.56	7.4	557	
CANW-51	Cane Ck	12-05-2011 04:45:00	0.28956	7.83	19.48	7.39	557	
CANW-51	Cane Ck	12-05-2011 05:00:00	0.28956	8.19	19.4	7.39	557	
CANW-51	Cane Ck	12-05-2011 05:15:00	0.28956	8.17	19.33	7.39	557	
CANW-51	Cane Ck	12-05-2011 05:30:00	0.28956	8.11	19.27	7.39	557	
CANW-51	Cane Ck	12-05-2011 05:45:00	0.28956	8.02	19.19	7.39	558	
CANW-51	Cane Ck	12-05-2011 06:00:00	0.28956	8.15	19.11	7.39	558	
CANW-51	Cane Ck	12-05-2011 06:15:00	0.28956	8.24	19.06	7.39	558	
CANW-51	Cane Ck	12-05-2011 06:30:00	0.28956	8.24	18.99	7.39	558	
CANW-51	Cane Ck	12-05-2011 06:45:00	0.28956	8.2	18.91	7.39	558	
CANW-51	Cane Ck	12-05-2011 07:00:00	0.28956	8.31	18.85	7.39	559	
CANW-51	Cane Ck	12-05-2011 07:15:00	0.28956	8.38	18.81	7.39	559	
CANW-51	Cane Ck	12-05-2011 07:30:00	0.28956	8.4	18.78	7.39	559	
CANW-51	Cane Ck	12-05-2011 07:45:00	0.28956	8.36	18.76	7.39	559	
CANW-51	Cane Ck	12-05-2011 08:00:00	0.28956	8.36	18.75	7.39	559	
CANW-51	Cane Ck	12-05-2011 08:15:00	0.28956	8.46	18.74	7.39	559	
CANW-51	Cane Ck	12-05-2011 08:30:00	0.28956	8.55	18.73	7.41	559	
CANW-51	Cane Ck	12-05-2011 08:45:00	0.28956	8.69	18.74	7.41	559	
CANW-51	Cane Ck	12-05-2011 09:00:00	0.28956	8.63	18.76	7.4	559	
CANW-51	Cane Ck	12-05-2011 09:15:00	0.28956	8.61	18.81	7.42	559	
CANW-51	Cane Ck	12-05-2011 09:30:00	0.28956	8.56	18.9	7.41	559	
CANW-51	Cane Ck	12-05-2011 09:45:00	0.28956	8.71	19	7.43	559	
CANW-51	Cane Ck	12-05-2011 10:00:00	0.28956	8.79	19.09	7.44	560	
CANW-51	Cane Ck	12-05-2011 10:15:00	0.28956	8.93	19.25	7.46	560	
CANW-51	Cane Ck	12-05-2011 10:30:00	0.28956	8.91	19.41	7.47	560	
CANW-51	Cane Ck	12-05-2011 10:45:00	0.28956	9.16	19.58	7.49	563	
CANW-51	Cane Ck	12-05-2011 11:00:00	0.28956	9.07	19.75	7.49	564	
CANW-51	Cane Ck	12-05-2011 11:15:00	0.28956	9.04	20	7.49	564	
CANW-51	Cane Ck	12-05-2011 11:30:00	0.28956	9.13	20.2	7.47	567	
CANW-51	Cane Ck	12-05-2011 11:45:00	0.28956	9.07	20.4	7.48	569	
CANW-51	Cane Ck	12-05-2011 12:00:00	0.28956	9.11	20.61	7.49	572	
CANW-51	Cane Ck	12-05-2011 12:15:00	0.28956	9.09	20.87	7.52	576	
CANW-51	Cane Ck	12-05-2011 12:30:00	0.28956	9.16	21.03	7.54	579	
CANW-51	Cane Ck	12-05-2011 12:45:00	0.28956	9.08	21.26	7.54	581	
CANW-51	Cane Ck	12-05-2011 13:00:00	0.28956	9.13	21.47	7.56	583	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-51	Cane Ck	12-05-2011 13:15:00	0.28956	9.15	21.64	7.56	584	
CANW-51	Cane Ck	12-05-2011 13:30:00	0.28956	9.07	21.84	7.56	584	
CANW-51	Cane Ck	12-05-2011 13:45:00	0.28956	9.13	22.03	7.6	586	
CANW-51	Cane Ck	12-05-2011 14:00:00	0.28956	9.12	22.21	7.64	586	
CANW-51	Cane Ck	12-05-2011 14:15:00	0.28956	9.07	22.35	7.64	585	
CANW-51	Cane Ck	12-05-2011 14:30:00	0.28956	9.1	22.47	7.64	585	
CANW-51	Cane Ck	12-05-2011 14:45:00	0.28956	9.04	22.57	7.63	584	
CANW-52	Cane Ck	09-05-2011 16:30:00	0.12192	8.18	19.2	6	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 16:45:00	0.12192	7.59	19.26	6.19	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 17:00:00	0.12192	7.34	19.27	6.26	122	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 17:15:00	0.12192	7.23	19.3	6.3	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 17:30:00	0.12192	7.09	19.27	6.33	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 17:45:00	0.12192	7	19.25	6.4	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 18:00:00	0.12192	6.95	19.23	6.45	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 18:15:00	0.12192	6.88	19.24	6.5	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 18:30:00	0.12192	6.79	19.24	6.51	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 18:45:00	0.12192	6.7	19.22	6.52	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 19:00:00	0.12192	6.7	19.15	6.53	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 19:15:00	0.12192	6.57	19.09	6.51	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 19:30:00	0.12192	6.62	19.03	6.54	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 19:45:00	0.12192	6.52	18.99	6.52	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 20:00:00	0.12192	6.45	18.91	6.52	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 20:15:00	0.12192	6.4	18.85	6.52	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 20:30:00	0.12192	6.38	18.79	6.51	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 20:45:00	0.12192	6.37	18.73	6.53	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 21:00:00	0.12192	6.33	18.71	6.52	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 21:15:00	0.12192	6.27	18.63	6.53	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 21:30:00	0.12192	6.27	18.58	6.52	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 21:45:00	0.12192	6.21	18.52	6.52	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	09-05-2011 22:00:00	0.12192	6.3	18.48	6.53	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 22:15:00	0.12192	6.23	18.44	6.53	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 22:30:00	0.12192	6.26	18.4	6.53	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 22:45:00	0.12192	6.25	18.34	6.53	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 23:00:00	0.12192	6.26	18.29	6.53	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 23:15:00	0.12192	6.32	18.23	6.53	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 23:30:00	0.12192	6.21	18.18	6.53	122	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	09-05-2011 23:45:00	0.12192	6.22	18.12	6.53	122	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 00:00:00	0.12192	6.37	18.07	6.54	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 00:15:00	0.12192	6.33	18.01	6.54	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 00:30:00	0.12192	6.41	17.96	6.55	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 00:45:00	0.12192	6.4	17.91	6.54	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 01:00:00	0.12192	6.38	17.85	6.54	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 01:15:00	0.12192	6.41	17.8	6.54	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 01:30:00	0.12192	6.34	17.75	6.54	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 01:45:00	0.12192	6.35	17.7	6.53	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 02:00:00	0.12192	6.38	17.65	6.54	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 02:15:00	0.12192	6.41	17.6	6.54	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 02:30:00	0.12192	6.26	17.55	6.53	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 02:45:00	0.12192	6.36	17.5	6.54	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 03:00:00	0.12192	6.38	17.46	6.54	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 03:15:00	0.12192	6.34	17.39	6.54	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 03:30:00	0.12192	6.3	17.37	6.52	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 03:45:00	0.12192	6.39	17.33	6.54	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 04:00:00	0.12192	6.36	17.28	6.54	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 04:15:00	0.12192	6.4	17.23	6.54	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	10-05-2011 04:30:00	0.12192	6.33	17.21	6.54	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 04:45:00	0.12192	6.43	17.15	6.53	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 05:00:00	0.12192	6.4	17.12	6.54	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 05:15:00	0.12192	6.4	17.07	6.53	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 05:30:00	0.12192	6.35	17.03	6.53	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 05:45:00	0.12192	6.42	16.98	6.53	134	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 06:00:00	0.12192	6.43	16.97	6.53	135	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 06:15:00	0.12192	6.46	16.91	6.53	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 06:30:00	0.12192	6.47	16.88	6.53	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 06:45:00	0.12192	6.48	16.87	6.54	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 07:00:00	0.12192	6.51	16.86	6.54	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 07:15:00	0.12192	6.57	16.86	6.54	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 07:30:00	0.12192	6.59	16.87	6.55	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 07:45:00	0.12192	6.6	16.88	6.55	138	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 08:00:00	0.12192	6.55	16.93	6.55	138	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 08:15:00	0.12192	6.62	16.96	6.56	137	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 08:30:00	0.12192	6.66	17.02	6.58	136	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 08:45:00	0.12192	6.72	17.09	6.58	136	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 09:00:00	0.12192	6.8	17.11	6.59	136	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 09:15:00	0.12192	6.8	17.33	6.6	136	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 09:30:00	0.12192	6.87	17.4	6.61	136	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 09:45:00	0.12192	6.93	17.5	6.62	135	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 10:00:00	0.12192	6.92	17.61	6.62	135	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 10:15:00	0.12192	7.01	17.66	6.63	135	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 10:30:00	0.12192	7.13	17.83	6.64	135	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 10:45:00	0.12192	6.99	18.06	6.64	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	10-05-2011 11:00:00	0.12192	6.67	17.97	6.56	134	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 11:15:00	0.12192	6.87	18.17	6.58	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 11:30:00	0.12192	7.03	18.23	6.6	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 11:45:00	0.12192	7.06	18.35	6.61	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 12:00:00	0.12192	7.13	18.73	6.64	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 12:15:00	0.12192	7.19	18.62	6.66	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 12:30:00	0.12192	7.26	18.69	6.66	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 12:45:00	0.12192	7.14	18.79	6.65	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 13:00:00	0.12192	7.16	19.16	6.64	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 13:15:00	0.12192	7.21	19.48	6.66	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 13:30:00	0.12192	7.14	19.58	6.68	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 13:45:00	0.12192	7.12	19.53	6.67	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 14:00:00	0.12192	6.95	19.62	6.65	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 14:15:00	0.12192	6.94	19.56	6.65	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 14:30:00	0.12192	6.93	19.62	6.64	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 14:45:00	0.12192	6.89	19.68	6.63	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 15:00:00	0.12192	6.9	19.73	6.64	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 15:15:00	0.12192	6.8	19.76	6.62	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 15:30:00	0.12192	6.67	19.81	6.61	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 15:45:00	0.12192	6.68	19.82	6.62	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 16:00:00	0.12192	6.6	19.81	6.6	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 16:15:00	0.12192	6.5	19.84	6.6	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 16:30:00	0.12192	6.45	19.83	6.6	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 16:45:00	0.12192	6.42	19.82	6.6	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 17:00:00	0.12192	6.36	19.76	6.58	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 17:15:00	0.12192	6.19	19.76	6.6	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	10-05-2011 17:30:00	0.12192	6.24	19.67	6.6	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 17:45:00	0.12192	6.18	19.69	6.61	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 18:00:00	0.12192	6	19.72	6.6	122	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 18:15:00	0.12192	5.89	19.67	6.59	122	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 18:30:00	0.12192	5.81	19.74	6.58	122	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 18:45:00	0.12192	5.79	19.69	6.54	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 19:00:00	0.12192	5.81	19.61	6.53	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 19:15:00	0.12192	5.62	19.61	6.51	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 19:30:00	0.12192	5.64	19.58	6.5	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 19:45:00	0.12192	5.52	19.51	6.49	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 20:00:00	0.12192	5.44	19.45	6.5	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 20:15:00	0.12192	5.35	19.37	6.5	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 20:30:00	0.12192	5.38	19.33	6.49	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 20:45:00	0.12192	5.32	19.3	6.48	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 21:00:00	0.12192	5.21	19.23	6.48	123	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 21:15:00	0.12192	5.27	19.2	6.48	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 21:30:00	0.12192	5.13	19.16	6.47	124	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 21:45:00	0.12192	5.11	19.13	6.47	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 22:00:00	0.12192	5.16	19.05	6.47	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 22:15:00	0.12192	5.16	19.04	6.46	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 22:30:00	0.12192	5.18	19	6.46	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 22:45:00	0.12192	5.17	18.97	6.47	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 23:00:00	0.12192	5.21	18.93	6.47	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 23:15:00	0.12192	5.15	18.88	6.48	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 23:30:00	0.12192	5.33	18.85	6.49	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	10-05-2011 23:45:00	0.12192	5.11	18.8	6.47	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	11-05-2011 00:00:00	0.12192	5.39	18.77	6.48	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 00:15:00	0.12192	5.37	18.71	6.48	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 00:30:00	0.12192	5.41	18.67	6.49	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 00:45:00	0.12192	5.34	18.61	6.47	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 01:00:00	0.12192	5.41	18.58	6.49	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 01:15:00	0.12192	5.43	18.53	6.5	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 01:30:00	0.12192	5.44	18.47	6.48	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 01:45:00	0.12192	5.6	18.42	6.51	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 02:00:00	0.12192	5.55	18.38	6.5	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 02:15:00	0.12192	5.55	18.34	6.51	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 02:30:00	0.12192	5.51	18.29	6.51	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 02:45:00	0.12192	5.56	18.23	6.5	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 03:00:00	0.12192	5.47	18.19	6.49	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 03:15:00	0.12192	5.5	18.12	6.48	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 03:30:00	0.12192	5.43	18.1	6.49	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 03:45:00	0.12192	5.41	18.05	6.5	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 04:00:00	0.12192	5.5	18.01	6.5	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 04:15:00	0.12192	5.46	17.97	6.51	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 04:30:00	0.12192	5.51	17.91	6.49	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 04:45:00	0.12192	5.4	17.86	6.48	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 05:00:00	0.12192	5.5	17.82	6.48	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 05:15:00	0.12192	5.49	17.79	6.49	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 05:30:00	0.12192	5.51	17.75	6.49	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 05:45:00	0.12192	5.54	17.71	6.49	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 06:00:00	0.12192	5.5	17.67	6.49	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 06:15:00	0.12192	5.56	17.62	6.5	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	11-05-2011 06:30:00	0.12192	5.63	17.58	6.5	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 06:45:00	0.12192	5.62	17.56	6.51	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 07:00:00	0.12192	5.66	17.55	6.51	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 07:15:00	0.12192	5.7	17.55	6.5	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 07:30:00	0.12192	5.7	17.56	6.51	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 07:45:00	0.12192	5.76	17.58	6.53	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 08:00:00	0.12192	5.72	17.59	6.53	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 08:15:00	0.12192	5.71	17.64	6.54	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 08:30:00	0.12192	5.84	17.64	6.55	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 08:45:00	0.12192	5.76	17.67	6.55	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 09:00:00	0.12192	5.82	17.72	6.55	133	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 09:15:00	0.12192	5.85	17.78	6.55	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 09:30:00	0.12192	5.87	17.86	6.56	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 09:45:00	0.12192	5.85	17.88	6.56	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 10:00:00	0.12192	5.98	17.95	6.57	132	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 10:15:00	0.12192	5.97	18.02	6.57	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 10:30:00	0.12192	5.91	18.15	6.56	131	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 10:45:00	0.12192	5.77	18.26	6.56	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 11:00:00	0.12192	5.89	18.34	6.55	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 11:15:00	0.12192	5.81	18.41	6.54	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 11:30:00	0.12192	5.78	18.56	6.54	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 11:45:00	0.12192	5.85	18.62	6.54	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 12:00:00	0.12192	5.92	18.67	6.53	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 12:15:00	0.12192	5.88	18.73	6.53	129	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 12:30:00	0.12192	5.82	18.83	6.53	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 12:45:00	0.12192	5.84	18.92	6.53	128	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	11-05-2011 13:00:00	0.12192	5.93	18.99	6.53	127	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 13:15:00	0.12192	5.91	19.15	6.53	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 13:30:00	0.12192	5.88	19.25	6.52	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 13:45:00	0.12192	5.91	19.28	6.52	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 14:00:00	0.12192	5.98	19.35	6.52	126	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 14:15:00	0.12192	6.09	19.37	6.52	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 14:30:00	0.12192	6.06	19.37	6.51	125	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 14:45:00	0.12192	6.1	19.55	6.45	134	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 15:00:00	0.12192	6.28	19.75	6.49	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 15:15:00	0.12192	6.27	19.82	6.5	130	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 15:30:00	0.12192	5.57	19.77	6.53	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 15:45:00	0.12192	5.88	19.74	6.54	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 16:00:00	0.12192	6.01	19.72	6.53	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 16:15:00	0.12192	6.1	19.72	6.53	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 16:30:00	0.12192	5.96	19.69	6.52	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 16:45:00	0.12192	5.99	19.69	6.51	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 17:00:00	0.12192	5.84	19.69	6.51	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 17:15:00	0.12192	5.82	19.66	6.51	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 17:30:00	0.12192	5.67	19.67	6.51	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 17:45:00	0.12192	5.67	19.66	6.51	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 18:00:00	0.12192	5.58	19.67	6.51	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 18:15:00	0.12192	5.59	19.62	6.51	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 18:30:00	0.12192	5.27	20.13	6.49	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 18:45:00	0.12192	4.96	20.07	6.45	111	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 19:00:00	0.12192	4.78	19.96	6.44	111	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 19:15:00	0.12192	4.6	19.86	6.43	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	11-05-2011 19:30:00	0.12192	4.4	19.79	6.42	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 19:45:00	0.12192	4.3	19.73	6.42	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 20:00:00	0.12192	4.25	19.66	6.41	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 20:15:00	0.12192	4.02	19.61	6.41	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 20:30:00	0.12192	3.79	19.57	6.4	112	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 20:45:00	0.12192	3.79	19.51	6.39	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 21:00:00	0.12192	3.58	19.49	6.39	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 21:15:00	0.12192	3.59	19.45	6.38	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 21:30:00	0.12192	3.51	19.42	6.38	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 21:45:00	0.12192	3.4	19.39	6.38	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 22:00:00	0.12192	3.25	19.36	6.37	113	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 22:15:00	0.12192	3.42	19.3	6.38	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 22:30:00	0.12192	3.26	19.29	6.38	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 22:45:00	0.12192	3.09	19.26	6.37	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 23:00:00	0.12192	3.13	19.22	6.37	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 23:15:00	0.12192	3.01	19.19	6.37	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 23:30:00	0.12192	3.06	19.17	6.37	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	11-05-2011 23:45:00	0.12192	2.92	19.13	6.36	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 00:00:00	0.12192	2.84	19.09	6.36	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 00:15:00	0.12192	2.69	19.07	6.36	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 00:30:00	0.12192	2.6	19.04	6.36	114	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 00:45:00	0.12192	2.47	19	6.36	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 01:00:00	0.12192	2.94	18.96	6.37	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 01:15:00	0.12192	2.68	18.92	6.36	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 01:30:00	0.12192	2.98	18.88	6.37	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 01:45:00	0.12192	2.58	18.84	6.36	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	12-05-2011 02:00:00	0.12192	2.5	18.79	6.36	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 02:15:00	0.12192	2.8	18.76	6.37	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 02:30:00	0.12192	2.51	18.71	6.36	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 02:45:00	0.12192	2.91	18.7	6.36	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 03:00:00	0.12192	3.79	18.67	6.36	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 03:15:00	0.12192	4.15	18.61	6.37	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 03:30:00	0.12192	3.83	18.57	6.38	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 03:45:00	0.12192	3.63	18.53	6.36	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 04:00:00	0.12192	3.6	18.49	6.44	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 04:15:00	0.12192	4.1	18.46	6.42	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 04:30:00	0.12192	4.19	18.42	6.45	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 04:45:00	0.12192	4.51	18.38	6.46	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 05:00:00	0.12192	4.06	18.34	6.46	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 05:15:00	0.12192	4.47	18.3	6.41	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 05:30:00	0.12192	4.61	18.26	6.45	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 05:45:00	0.12192	4.2	18.22	6.43	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 06:00:00	0.12192	4.3	18.2	6.41	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 06:15:00	0.12192	4.71	18.18	6.45	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 06:30:00	0.12192	4.6	18.14	6.47	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 06:45:00	0.12192	4.74	18.12	6.46	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 07:00:00	0.12192	4.7	18.13	6.45	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 07:15:00	0.12192	4.61	18.13	6.45	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 07:30:00	0.12192	4.76	18.11	6.47	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 07:45:00	0.12192	4.79	18.12	6.47	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 08:00:00	0.12192	4.77	18.14	6.47	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 08:15:00	0.12192	4.72	18.15	6.47	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	12-05-2011 08:30:00	0.12192	4.65	18.17	6.47	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 08:45:00	0.12192	4.63	18.2	6.47	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 09:00:00	0.12192	4.64	18.22	6.47	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 09:15:00	0.12192	4.66	18.25	6.47	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 09:30:00	0.12192	4.51	18.29	6.46	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 09:45:00	0.12192	4.43	18.33	6.46	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 10:00:00	0.12192	4.32	18.37	6.47	121	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 10:15:00	0.12192	4.26	18.44	6.46	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 10:30:00	0.12192	4.51	18.5	6.47	120	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 10:45:00	0.12192	4.45	18.58	6.48	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 11:00:00	0.12192	4.57	18.66	6.48	119	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 11:15:00	0.12192	4.76	18.72	6.48	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 11:30:00	0.12192	4.5	18.82	6.49	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 11:45:00	0.12192	4.65	18.91	6.49	118	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 12:00:00	0.12192	4.58	18.97	6.49	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 12:15:00	0.12192	4.32	19.05	6.48	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 12:30:00	0.12192	4.47	19.11	6.48	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 12:45:00	0.12192	4.63	19.16	6.48	117	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 13:00:00	0.12192	4.55	19.23	6.47	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 13:15:00	0.12192	4.4	19.29	6.46	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 13:30:00	0.12192	4.3	19.38	6.46	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 13:45:00	0.12192	4.18	19.43	6.44	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 14:00:00	0.12192	4.16	19.47	6.43	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 14:15:00	0.12192	4.21	19.52	6.43	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 14:30:00	0.12192	4.42	19.54	6.43	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 14:45:00	0.12192	4.48	19.6	6.42	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CANW-52	Cane Ck	12-05-2011 15:00:00	0.12192	4.68	19.74	6.44	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 15:15:00	0.12192	4.9	19.84	6.43	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 15:30:00	0.12192	4.82	19.85	6.44	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 15:45:00	0.12192	4.93	19.84	6.43	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 16:00:00	0.12192	4.81	19.87	6.43	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 16:15:00	0.12192	4.9	19.88	6.43	116	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CANW-52	Cane Ck	12-05-2011 16:30:00	0.12192	4.75	19.9	6.43	115	Conductivity Probe failed to post-calibrate. Ran regression on recorded values.
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.59	23.21	7.31	765	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.64	23.65	7.36	762	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.65	23.61	7.36	762	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.67	23.5	7.36	771	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.67	23.55	7.36	765	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.67	23.56	7.36	764	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.68	23.55	7.36	766	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.68	23.58	7.36	764	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.68	23.59	7.36	763	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.69	23.52	7.36	767	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.69	23.53	7.35	767	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.69	23.71	7.36	761	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.72	23.39	7.35	755	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.72	23.51	7.36	771	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.72	23.52	7.37	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.72	23.75	7.36	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.73	23.51	7.36	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.73	23.91	7.36	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.75	23.53	7.37	776	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.75	23.55	7.37	780	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.75	23.83	7.36	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.75	24.09	7.37	759	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.76	23	7.33	716	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.76	23.04	7.33	717	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.76	23.05	7.32	712	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.76	23.53	7.37	777	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.77	23.02	7.33	713	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.77	23.11	7.33	712	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.77	23.14	7.33	713	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.77	24.17	7.37	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.78	23.01	7.33	713	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.78	23.03	7.33	712	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.78	23.07	7.32	712	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.78	23.56	7.37	780	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.78	24.46	7.39	775	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.78	25.3	7.38	769	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	22.99	7.33	716	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	23	7.33	715	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	23.01	7.33	714	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	23.23	7.34	713	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	24.36	7.37	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	24.48	7.38	775	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	24.5	7.39	775	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.79	24.62	7.37	759	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	22.98	7.33	715	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	23.1	7.33	719	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	23.12	7.33	719	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	23.18	7.34	713	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	23.57	7.37	782	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	24.47	7.38	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	24.53	7.39	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	24.55	7.39	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	25.02	7.38	770	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.8	25.59	7.39	768	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	23.07	7.34	718	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	23.28	7.34	714	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	24.61	7.39	773	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	24.73	7.38	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	24.85	7.38	761	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	24.92	7.38	761	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.81	25.17	7.38	770	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	23.31	7.34	715	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	23.34	7.34	715	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	23.58	7.37	784	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	24.57	7.39	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	24.7	7.39	773	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	25.11	7.38	761	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	25.16	7.38	762	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	25.23	7.38	770	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	25.36	7.38	769	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.82	25.53	7.39	769	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.83	23.16	7.33	720	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.83	23.17	7.34	713	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.83	23.4	7.34	716	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.83	24.59	7.39	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.83	25.13	7.38	762	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.84	24.49	7.39	775	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.84	25.07	7.39	770	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.84	25.42	7.39	769	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.84	25.49	7.39	769	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.85	23.2	7.34	720	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.85	24.51	7.39	775	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.85	24.63	7.39	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.85	24.77	7.39	772	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.85	24.85	7.39	772	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.85	24.92	7.39	771	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.86	23.23	7.34	721	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.86	23.6	7.38	786	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.86	24.73	7.39	773	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.86	24.96	7.39	771	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.86	25.11	7.39	771	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.87	23.63	7.38	786	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.87	24.79	7.39	772	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.87	25.29	7.39	764	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.87	25.5	7.39	767	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.87	25.53	7.39	770	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.87	25.64	7.4	768	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.88	25.3	7.39	764	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.88	25.49	7.39	766	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	23.19	7.34	771	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	23.46	7.35	716	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	24.65	7.4	774	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	25.37	7.39	765	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	25.54	7.39	767	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	25.62	7.4	768	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.89	25.65	7.39	769	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	23.27	7.34	722	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	23.58	7.34	717	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	23.66	7.38	791	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	24.24	7.41	764	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	24.36	7.4	770	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	25.47	7.4	765	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.9	25.49	7.4	766	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.91	23.69	7.38	793	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.91	23.7	7.35	718	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.92	23.3	7.34	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.92	23.65	7.38	787	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.92	23.74	7.38	794	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.92	23.77	7.38	797	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.92	25.5	7.4	765	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.93	23.32	7.34	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.93	23.42	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.93	23.75	7.38	796	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.94	23.38	7.34	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.94	23.53	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.94	23.58	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.94	23.8	7.35	719	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.95	23.49	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.95	23.52	7.39	748	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.95	23.71	7.38	792	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.96	23.35	7.34	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.96	23.45	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.96	23.9	7.35	720	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.96	23.98	7.35	721	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.96	24.02	7.41	765	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.98	24.04	7.41	764	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.99	23.8	7.38	797	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.99	24.06	7.35	721	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	5.99	24.08	7.41	762	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6	23.56	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.01	23.8	7.39	798	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.01	24.12	7.42	760	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.01	24.24	7.35	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.02	24.61	7.35	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.02	24.72	7.35	726	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.03	23.82	7.39	799	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.03	23.84	7.39	799	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.03	24.59	7.35	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.04	23.85	7.39	799	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.05	23.61	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.05	24.52	7.36	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.05	24.85	7.35	727	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.06	23.65	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.06	24.37	7.35	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.06	24.83	7.34	731	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.06	24.87	7.34	731	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.06	24.89	7.35	727	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.06	24.91	7.35	730	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.07	23.67	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.07	24.81	7.35	726	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.07	24.88	7.35	727	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.07	24.92	7.35	728	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.08	23.7	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.08	23.72	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.08	23.87	7.39	799	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.08	23.94	7.43	757	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.08	24.88	7.34	730	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.09	23.95	7.38	788	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.09	24.82	7.34	732	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.1	23.75	7.33	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.1	24.64	7.33	735	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.11	24.04	7.37	782	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.11	24.74	7.34	733	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	23.61	7.42	743	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	23.89	7.39	799	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	23.91	7.39	797	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	23.99	7.38	788	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	24.01	7.38	784	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	24.21	7.36	769	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	24.24	7.36	767	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	24.71	7.34	734	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.12	24.72	7.34	734	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.13	23.97	7.38	790	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.13	24.18	7.36	773	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.13	24.42	7.35	753	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.13	24.59	7.34	739	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.13	24.61	7.33	737	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	23.92	7.39	797	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	23.93	7.39	796	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	24.06	7.37	782	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	24.09	7.37	779	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	24.12	7.36	776	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	24.28	7.36	764	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	24.67	7.34	735	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.14	24.77	7.34	733	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.15	23.94	7.38	795	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.15	24.32	7.36	762	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.15	24.53	7.34	745	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.16	24.14	7.37	777	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.16	24.54	7.34	744	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.17	23.79	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.17	24.35	7.35	759	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.17	24.38	7.35	757	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.17	24.46	7.35	750	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.18	24.49	7.35	748	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.2	23.65	7.44	742	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.22	23.81	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.24	23.65	7.44	741	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.25	23.86	7.34	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.26	23.22	7.42	802	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.27	23.83	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.27	23.85	7.34	725	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.27	23.89	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.27	23.89	7.34	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.3	23.93	7.34	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.32	23.97	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.34	23.99	7.33	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.35	23.95	7.33	724	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.36	24.01	7.33	723	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.37	24.11	7.32	721	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.38	23.7	7.45	736	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.39	23.63	7.46	734	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.39	24.04	7.33	722	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.39	24.06	7.33	722	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.4	24.09	7.32	721	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.42	24.13	7.32	721	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.44	24.16	7.32	720	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.45	24.19	7.32	720	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.45	24.42	7.29	707	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.46	24.23	7.32	719	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.46	24.24	7.32	718	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.46	24.36	7.31	712	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.47	23.6	7.47	729	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.47	24.44	7.27	706	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.48	24.32	7.31	715	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.49	24.27	7.32	718	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.49	24.28	7.32	716	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.49	24.39	7.31	711	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.49	24.47	7.25	704	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.49	24.51	7.23	703	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.5	24.34	7.31	714	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.52	24.41	7.31	711	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.52	24.55	7.16	703	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.53	24.43	7.3	709	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.65	21.61	7.24	414	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.67	21.65	7.25	419	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.68	23.4	7.51	915	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.69	21.87	7.3	489	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.7	21.93	7.29	490	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.75	22.01	7.34	556	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.79	21.99	7.36	580	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.81	21.84	7.36	561	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.83	22.92	7.19	317	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.84	22.3	7.15	297	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.84	22.43	7.37	646	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.85	21.7	7.34	519	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.85	22.35	7.15	297	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.85	22.64	7.18	306	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.85	22.93	7.2	318	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.86	22.29	7.14	298	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.86	22.42	7.16	304	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.86	22.85	7.19	311	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.87	22.74	7.41	742	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.87	22.77	7.18	308	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.87	22.89	7.19	313	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.88	22.11	7.15	294	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.88	22.19	7.15	292	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.88	22.53	7.17	303	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.88	23.05	7.4	845	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.89	21.62	7.31	471	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.9	21.91	7.14	286	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.9	21.96	7.15	287	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.92	21.81	7.13	288	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.93	21.62	7.29	435	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.93	21.76	7.13	289	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.94	21.63	7.24	350	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.94	21.64	7.14	286	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.94	21.65	7.26	373	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.95	21.64	7.27	402	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.95	21.67	7.14	293	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.96	21.59	7.2	320	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.96	21.63	7.23	334	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.97	21.56	7.17	297	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.98	21.54	7.18	308	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	6.98	21.55	7.16	291	
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	7.05	23.6	7.49	1049	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-1	Charlies Ck	23-05-2011 16:13:00	0.19812	7.08	23.45	7.44	1011	
CHAW-2	Charlies Ck	23-05-2011 16:15:00	0.3048	5.71	23.16	7.08	428	
CHAW-2	Charlies Ck	23-05-2011 16:30:00	0.3048	5.69	23.24	7.09	430	
CHAW-2	Charlies Ck	23-05-2011 16:45:00	0.3048	5.7	23.32	7.1	436	
CHAW-2	Charlies Ck	23-05-2011 17:00:00	0.3048	5.71	23.36	7.11	438	
CHAW-2	Charlies Ck	23-05-2011 17:15:00	0.3048	5.71	23.42	7.11	441	
CHAW-2	Charlies Ck	23-05-2011 17:30:00	0.3048	5.71	23.48	7.11	443	
CHAW-2	Charlies Ck	23-05-2011 17:45:00	0.3048	5.7	23.52	7.12	445	
CHAW-2	Charlies Ck	23-05-2011 18:00:00	0.3048	5.68	23.55	7.12	447	
CHAW-2	Charlies Ck	23-05-2011 18:15:00	0.3048	5.65	23.57	7.12	449	
CHAW-2	Charlies Ck	23-05-2011 18:30:00	0.3048	5.69	23.61	7.12	450	
CHAW-2	Charlies Ck	23-05-2011 18:45:00	0.3048	5.66	23.63	7.12	451	
CHAW-2	Charlies Ck	23-05-2011 19:00:00	0.3048	5.63	23.63	7.12	451	
CHAW-2	Charlies Ck	23-05-2011 19:15:00	0.3048	5.63	23.65	7.12	451	
CHAW-2	Charlies Ck	23-05-2011 19:30:00	0.3048	5.6	23.65	7.12	451	
CHAW-2	Charlies Ck	23-05-2011 19:45:00	0.3048	5.59	23.64	7.12	450	
CHAW-2	Charlies Ck	23-05-2011 20:00:00	0.3048	5.55	23.62	7.12	450	
CHAW-2	Charlies Ck	23-05-2011 20:15:00	0.3048	5.55	23.62	7.12	449	
CHAW-2	Charlies Ck	23-05-2011 20:30:00	0.3048	5.54	23.6	7.12	449	
CHAW-2	Charlies Ck	23-05-2011 20:45:00	0.3048	5.47	23.58	7.12	448	
CHAW-2	Charlies Ck	23-05-2011 21:00:00	0.3048	5.48	23.56	7.12	447	
CHAW-2	Charlies Ck	23-05-2011 21:15:00	0.3048	5.45	23.55	7.12	447	
CHAW-2	Charlies Ck	23-05-2011 21:30:00	0.3048	5.44	23.53	7.12	446	
CHAW-2	Charlies Ck	23-05-2011 21:45:00	0.3048	5.41	23.52	7.12	446	
CHAW-2	Charlies Ck	23-05-2011 22:00:00	0.3048	5.38	23.51	7.11	445	
CHAW-2	Charlies Ck	23-05-2011 22:15:00	0.3048	5.37	23.5	7.11	444	
CHAW-2	Charlies Ck	23-05-2011 22:30:00	0.3048	5.34	23.48	7.11	444	
CHAW-2	Charlies Ck	23-05-2011 22:45:00	0.3048	5.3	23.46	7.11	443	
CHAW-2	Charlies Ck	23-05-2011 23:00:00	0.3048	5.28	23.45	7.11	442	
CHAW-2	Charlies Ck	23-05-2011 23:15:00	0.3048	5.28	23.42	7.11	442	
CHAW-2	Charlies Ck	23-05-2011 23:30:00	0.3048	5.24	23.41	7.11	441	
CHAW-2	Charlies Ck	23-05-2011 23:45:00	0.3048	5.25	23.39	7.1	441	
CHAW-2	Charlies Ck	24-05-2011 00:00:00	0.3048	5.22	23.36	7.11	440	
CHAW-2	Charlies Ck	24-05-2011 00:15:00	0.3048	5.19	23.33	7.11	440	
CHAW-2	Charlies Ck	24-05-2011 00:30:00	0.3048	5.16	23.32	7.11	440	
CHAW-2	Charlies Ck	24-05-2011 00:45:00	0.3048	5.16	23.28	7.11	441	
CHAW-2	Charlies Ck	24-05-2011 01:00:00	0.3048	5.14	23.26	7.11	441	
CHAW-2	Charlies Ck	24-05-2011 01:15:00	0.3048	5.13	23.23	7.11	441	
CHAW-2	Charlies Ck	24-05-2011 01:30:00	0.3048	5.1	23.19	7.1	440	
CHAW-2	Charlies Ck	24-05-2011 01:45:00	0.3048	5.1	23.15	7.11	440	
CHAW-2	Charlies Ck	24-05-2011 02:00:00	0.3048	5.07	23.12	7.11	440	
CHAW-2	Charlies Ck	24-05-2011 02:15:00	0.3048	5.04	23.07	7.1	439	
CHAW-2	Charlies Ck	24-05-2011 02:30:00	0.3048	5.07	23.02	7.1	438	
CHAW-2	Charlies Ck	24-05-2011 02:45:00	0.3048	5.05	22.97	7.1	437	
CHAW-2	Charlies Ck	24-05-2011 03:00:00	0.3048	5.04	22.92	7.1	437	
CHAW-2	Charlies Ck	24-05-2011 03:15:00	0.3048	5.02	22.87	7.1	436	
CHAW-2	Charlies Ck	24-05-2011 03:30:00	0.3048	5	22.82	7.1	435	
CHAW-2	Charlies Ck	24-05-2011 03:45:00	0.3048	4.99	22.76	7.1	435	
CHAW-2	Charlies Ck	24-05-2011 04:00:00	0.3048	4.95	22.7	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 04:15:00	0.3048	4.99	22.63	7.1	434	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-2	Charlies Ck	24-05-2011 04:30:00	0.3048	4.98	22.59	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 04:45:00	0.3048	4.94	22.53	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 05:00:00	0.3048	4.95	22.47	7.1	434	
CHAW-2	Charlies Ck	24-05-2011 05:15:00	0.3048	4.97	22.41	7.1	434	
CHAW-2	Charlies Ck	24-05-2011 05:30:00	0.3048	4.93	22.36	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 05:45:00	0.3048	4.95	22.3	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 06:00:00	0.3048	4.96	22.24	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 06:15:00	0.3048	4.93	22.19	7.09	434	
CHAW-2	Charlies Ck	24-05-2011 06:30:00	0.3048	4.96	22.14	7.09	435	
CHAW-2	Charlies Ck	24-05-2011 06:45:00	0.3048	4.94	22.09	7.09	435	
CHAW-2	Charlies Ck	24-05-2011 07:00:00	0.3048	4.93	22.05	7.09	435	
CHAW-2	Charlies Ck	24-05-2011 07:15:00	0.3048	4.95	22.01	7.09	436	
CHAW-2	Charlies Ck	24-05-2011 07:30:00	0.3048	4.93	21.99	7.09	436	
CHAW-2	Charlies Ck	24-05-2011 07:45:00	0.3048	4.95	21.97	7.09	437	
CHAW-2	Charlies Ck	24-05-2011 08:00:00	0.3048	4.93	21.95	7.09	437	
CHAW-2	Charlies Ck	24-05-2011 08:15:00	0.3048	4.94	21.93	7.09	438	
CHAW-2	Charlies Ck	24-05-2011 08:30:00	0.3048	4.94	21.92	7.09	438	
CHAW-2	Charlies Ck	24-05-2011 08:45:00	0.3048	4.94	21.91	7.09	438	
CHAW-2	Charlies Ck	24-05-2011 09:00:00	0.3048	4.94	21.9	7.09	439	
CHAW-2	Charlies Ck	24-05-2011 09:15:00	0.3048	4.94	21.89	7.09	439	
CHAW-2	Charlies Ck	24-05-2011 09:30:00	0.3048	4.98	21.9	7.09	439	
CHAW-2	Charlies Ck	24-05-2011 09:45:00	0.3048	4.97	21.91	7.09	439	
CHAW-2	Charlies Ck	24-05-2011 10:00:00	0.3048	4.97	21.92	7.09	440	
CHAW-2	Charlies Ck	24-05-2011 10:15:00	0.3048	5	21.93	7.09	441	
CHAW-2	Charlies Ck	24-05-2011 10:30:00	0.3048	4.97	21.94	7.09	442	
CHAW-2	Charlies Ck	24-05-2011 10:45:00	0.3048	5.02	21.97	7.09	443	
CHAW-2	Charlies Ck	24-05-2011 11:00:00	0.3048	4.98	21.97	7.08	444	
CHAW-2	Charlies Ck	24-05-2011 11:15:00	0.3048	5.01	22	7.09	446	
CHAW-2	Charlies Ck	24-05-2011 11:30:00	0.3048	5.03	22.03	7.09	446	
CHAW-2	Charlies Ck	24-05-2011 11:45:00	0.3048	5	22.05	7.09	448	
CHAW-2	Charlies Ck	24-05-2011 12:00:00	0.3048	5.08	22.09	7.09	449	
CHAW-2	Charlies Ck	24-05-2011 12:15:00	0.3048	5.07	22.12	7.09	450	
CHAW-2	Charlies Ck	24-05-2011 12:30:00	0.3048	5.12	22.17	7.09	452	
CHAW-2	Charlies Ck	24-05-2011 12:45:00	0.3048	5.16	22.22	7.1	452	
CHAW-2	Charlies Ck	24-05-2011 13:00:00	0.3048	5.2	22.29	7.1	454	
CHAW-2	Charlies Ck	24-05-2011 13:15:00	0.3048	5.22	22.36	7.11	457	
CHAW-2	Charlies Ck	24-05-2011 13:30:00	0.3048	5.29	22.44	7.11	458	
CHAW-2	Charlies Ck	24-05-2011 13:45:00	0.3048	5.32	22.52	7.12	462	
CHAW-2	Charlies Ck	24-05-2011 14:00:00	0.3048	5.34	22.57	7.12	463	
CHAW-2	Charlies Ck	24-05-2011 14:15:00	0.3048	5.39	22.68	7.13	465	
CHAW-2	Charlies Ck	24-05-2011 14:30:00	0.3048	5.46	22.79	7.13	467	
CHAW-2	Charlies Ck	24-05-2011 14:45:00	0.3048	5.45	22.87	7.14	469	
CHAW-2	Charlies Ck	24-05-2011 15:00:00	0.3048	5.49	22.98	7.14	469	
CHAW-2	Charlies Ck	24-05-2011 15:15:00	0.3048	5.54	23.12	7.15	471	
CHAW-2	Charlies Ck	24-05-2011 15:30:00	0.3048	5.57	23.19	7.15	470	
CHAW-2	Charlies Ck	24-05-2011 15:45:00	0.3048	5.59	23.27	7.15	471	
CHAW-2	Charlies Ck	24-05-2011 16:00:00	0.3048	5.6	23.33	7.15	471	
CHAW-2	Charlies Ck	24-05-2011 16:15:00	0.3048	5.61	23.42	7.15	471	
CHAW-2	Charlies Ck	24-05-2011 16:30:00	0.3048	5.63	23.52	7.16	471	
CHAW-2	Charlies Ck	24-05-2011 16:45:00	0.3048	5.64	23.6	7.16	472	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-2	Charlies Ck	24-05-2011 17:00:00	0.3048	5.64	23.66	7.16	472	
CHAW-2	Charlies Ck	24-05-2011 17:15:00	0.3048	5.64	23.71	7.16	471	
CHAW-2	Charlies Ck	24-05-2011 17:30:00	0.3048	5.65	23.77	7.16	472	
CHAW-2	Charlies Ck	24-05-2011 17:45:00	0.3048	5.62	23.8	7.16	472	
CHAW-2	Charlies Ck	24-05-2011 18:00:00	0.3048	5.62	23.83	7.16	472	
CHAW-2	Charlies Ck	24-05-2011 18:15:00	0.3048	5.62	23.87	7.16	474	
CHAW-2	Charlies Ck	24-05-2011 18:30:00	0.3048	5.58	23.88	7.16	475	
CHAW-2	Charlies Ck	24-05-2011 18:45:00	0.3048	5.59	23.91	7.16	477	
CHAW-2	Charlies Ck	24-05-2011 19:00:00	0.3048	5.56	23.91	7.16	478	
CHAW-2	Charlies Ck	24-05-2011 19:15:00	0.3048	5.54	23.9	7.16	479	
CHAW-2	Charlies Ck	24-05-2011 19:30:00	0.3048	5.52	23.89	7.16	479	
CHAW-2	Charlies Ck	24-05-2011 19:45:00	0.3048	5.52	23.86	7.16	480	
CHAW-2	Charlies Ck	24-05-2011 20:00:00	0.3048	5.5	23.84	7.16	480	
CHAW-2	Charlies Ck	24-05-2011 20:15:00	0.3048	5.47	23.82	7.16	480	
CHAW-2	Charlies Ck	24-05-2011 20:30:00	0.3048	5.46	23.78	7.16	479	
CHAW-2	Charlies Ck	24-05-2011 20:45:00	0.3048	5.4	23.76	7.16	479	
CHAW-2	Charlies Ck	24-05-2011 21:00:00	0.3048	5.42	23.74	7.16	478	
CHAW-2	Charlies Ck	24-05-2011 21:15:00	0.3048	5.39	23.72	7.16	478	
CHAW-2	Charlies Ck	24-05-2011 21:30:00	0.3048	5.37	23.71	7.16	477	
CHAW-2	Charlies Ck	24-05-2011 21:45:00	0.3048	5.35	23.7	7.16	475	
CHAW-2	Charlies Ck	24-05-2011 22:00:00	0.3048	5.3	23.69	7.16	475	
CHAW-2	Charlies Ck	24-05-2011 22:15:00	0.3048	5.31	23.68	7.16	473	
CHAW-2	Charlies Ck	24-05-2011 22:30:00	0.3048	5.32	23.67	7.16	472	
CHAW-2	Charlies Ck	24-05-2011 22:45:00	0.3048	5.25	23.66	7.16	471	
CHAW-2	Charlies Ck	24-05-2011 23:00:00	0.3048	5.28	23.66	7.16	470	
CHAW-2	Charlies Ck	24-05-2011 23:15:00	0.3048	5.23	23.63	7.16	469	
CHAW-2	Charlies Ck	24-05-2011 23:30:00	0.3048	5.21	23.62	7.16	468	
CHAW-2	Charlies Ck	24-05-2011 23:45:00	0.3048	5.21	23.6	7.15	467	
CHAW-2	Charlies Ck	25-05-2011 00:00:00	0.3048	5.19	23.58	7.15	467	
CHAW-2	Charlies Ck	25-05-2011 00:15:00	0.3048	5.16	23.55	7.15	466	
CHAW-2	Charlies Ck	25-05-2011 00:30:00	0.3048	5.16	23.52	7.15	466	
CHAW-2	Charlies Ck	25-05-2011 00:45:00	0.3048	5.16	23.49	7.15	466	
CHAW-2	Charlies Ck	25-05-2011 01:00:00	0.3048	5.14	23.46	7.15	465	
CHAW-2	Charlies Ck	25-05-2011 01:15:00	0.3048	5.12	23.42	7.15	465	
CHAW-2	Charlies Ck	25-05-2011 01:30:00	0.3048	5.11	23.38	7.15	464	
CHAW-2	Charlies Ck	25-05-2011 01:45:00	0.3048	5.09	23.34	7.15	464	
CHAW-2	Charlies Ck	25-05-2011 02:00:00	0.3048	5.09	23.3	7.15	463	
CHAW-2	Charlies Ck	25-05-2011 02:15:00	0.3048	5.07	23.25	7.15	462	
CHAW-2	Charlies Ck	25-05-2011 02:30:00	0.3048	5.04	23.21	7.14	462	
CHAW-2	Charlies Ck	25-05-2011 02:45:00	0.3048	5.04	23.17	7.14	461	
CHAW-2	Charlies Ck	25-05-2011 03:00:00	0.3048	5.02	23.12	7.14	460	
CHAW-2	Charlies Ck	25-05-2011 03:15:00	0.3048	4.97	23.07	7.14	459	
CHAW-2	Charlies Ck	25-05-2011 03:30:00	0.3048	4.99	23.02	7.14	458	
CHAW-2	Charlies Ck	25-05-2011 03:45:00	0.3048	4.93	22.98	7.14	457	
CHAW-2	Charlies Ck	25-05-2011 04:00:00	0.3048	4.93	22.93	7.13	456	
CHAW-2	Charlies Ck	25-05-2011 04:15:00	0.3048	4.92	22.88	7.13	456	
CHAW-2	Charlies Ck	25-05-2011 04:30:00	0.3048	4.91	22.83	7.13	455	
CHAW-2	Charlies Ck	25-05-2011 04:45:00	0.3048	4.87	22.78	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 05:00:00	0.3048	4.91	22.73	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 05:15:00	0.3048	4.89	22.69	7.13	454	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-2	Charlies Ck	25-05-2011 05:30:00	0.3048	4.85	22.64	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 05:45:00	0.3048	4.86	22.61	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 06:00:00	0.3048	4.87	22.56	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 06:15:00	0.3048	4.86	22.53	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 06:30:00	0.3048	4.86	22.5	7.13	454	
CHAW-2	Charlies Ck	25-05-2011 06:45:00	0.3048	4.86	22.47	7.12	454	
CHAW-2	Charlies Ck	25-05-2011 07:00:00	0.3048	4.83	22.44	7.12	454	
CHAW-2	Charlies Ck	25-05-2011 07:15:00	0.3048	4.83	22.42	7.12	454	
CHAW-2	Charlies Ck	25-05-2011 07:30:00	0.3048	4.84	22.4	7.12	454	
CHAW-2	Charlies Ck	25-05-2011 07:45:00	0.3048	4.84	22.38	7.12	454	
CHAW-2	Charlies Ck	25-05-2011 08:00:00	0.3048	4.84	22.36	7.12	455	
CHAW-2	Charlies Ck	25-05-2011 08:15:00	0.3048	4.84	22.35	7.12	455	
CHAW-2	Charlies Ck	25-05-2011 08:30:00	0.3048	4.83	22.35	7.12	456	
CHAW-2	Charlies Ck	25-05-2011 08:45:00	0.3048	4.84	22.35	7.12	457	
CHAW-2	Charlies Ck	25-05-2011 09:00:00	0.3048	4.81	22.35	7.12	458	
CHAW-2	Charlies Ck	25-05-2011 09:15:00	0.3048	4.83	22.35	7.12	460	
CHAW-2	Charlies Ck	25-05-2011 09:30:00	0.3048	4.83	22.35	7.12	461	
CHAW-2	Charlies Ck	25-05-2011 09:45:00	0.3048	4.83	22.37	7.12	463	
CHAW-2	Charlies Ck	25-05-2011 10:00:00	0.3048	4.84	22.38	7.12	466	
CHAW-2	Charlies Ck	25-05-2011 10:15:00	0.3048	4.81	22.4	7.12	468	
CHAW-2	Charlies Ck	25-05-2011 10:30:00	0.3048	4.85	22.42	7.12	469	
CHAW-2	Charlies Ck	25-05-2011 10:45:00	0.3048	4.85	22.44	7.12	471	
CHAW-2	Charlies Ck	25-05-2011 11:00:00	0.3048	4.87	22.46	7.12	471	
CHAW-2	Charlies Ck	25-05-2011 11:15:00	0.3048	4.88	22.5	7.12	474	
CHAW-2	Charlies Ck	25-05-2011 11:30:00	0.3048	4.86	22.53	7.12	474	
CHAW-2	Charlies Ck	25-05-2011 11:45:00	0.3048	4.88	22.57	7.12	475	
CHAW-2	Charlies Ck	25-05-2011 12:00:00	0.3048	4.92	22.6	7.12	477	
CHAW-2	Charlies Ck	25-05-2011 12:15:00	0.3048	4.95	22.65	7.13	477	
CHAW-2	Charlies Ck	25-05-2011 12:30:00	0.3048	4.97	22.69	7.12	479	
CHAW-2	Charlies Ck	25-05-2011 12:45:00	0.3048	5.01	22.76	7.13	480	
CHAW-2	Charlies Ck	25-05-2011 13:00:00	0.3048	5.05	22.81	7.14	481	
CHAW-2	Charlies Ck	25-05-2011 13:15:00	0.3048	5.02	22.85	7.14	481	
CHAW-2	Charlies Ck	25-05-2011 13:30:00	0.3048	5.09	22.93	7.14	483	
CHAW-2	Charlies Ck	25-05-2011 13:45:00	0.3048	5.12	23.02	7.15	484	
CHAW-2	Charlies Ck	25-05-2011 14:00:00	0.3048	5.14	23.07	7.15	486	
CHAW-2	Charlies Ck	25-05-2011 14:15:00	0.3048	5.17	23.19	7.15	487	
CHAW-2	Charlies Ck	25-05-2011 14:30:00	0.3048	5.21	23.26	7.16	488	
CHAW-2	Charlies Ck	25-05-2011 14:45:00	0.3048	5.25	23.37	7.16	490	
CHAW-2	Charlies Ck	25-05-2011 15:00:00	0.3048	5.26	23.44	7.16	490	
CHAW-2	Charlies Ck	25-05-2011 15:15:00	0.3048	5.29	23.58	7.16	492	
CHAW-2	Charlies Ck	25-05-2011 15:30:00	0.3048	5.32	23.68	7.17	494	
CHAW-2	Charlies Ck	25-05-2011 15:45:00	0.3048	5.34	23.76	7.17	495	
CHAW-2	Charlies Ck	25-05-2011 16:00:00	0.3048	5.35	23.84	7.17	496	
CHAW-2	Charlies Ck	25-05-2011 16:15:00	0.3048	5.36	23.91	7.18	497	
CHAW-2	Charlies Ck	25-05-2011 16:30:00	0.3048	5.37	23.98	7.18	499	
CHAW-2	Charlies Ck	25-05-2011 16:45:00	0.3048	5.41	24.07	7.18	500	
CHAW-2	Charlies Ck	25-05-2011 17:00:00	0.3048	5.38	24.12	7.18	500	
CHAW-2	Charlies Ck	25-05-2011 17:15:00	0.3048	5.4	24.19	7.18	501	
CHAW-2	Charlies Ck	25-05-2011 17:30:00	0.3048	5.37	24.22	7.18	502	
CHAW-2	Charlies Ck	25-05-2011 17:45:00	0.3048	5.37	24.27	7.18	503	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-2	Charlies Ck	25-05-2011 18:00:00	0.3048	5.36	24.33	7.18	504	
CHAW-2	Charlies Ck	25-05-2011 18:15:00	0.3048	5.36	24.37	7.18	505	
CHAW-2	Charlies Ck	25-05-2011 18:30:00	0.3048	5.33	24.38	7.18	506	
CHAW-2	Charlies Ck	25-05-2011 18:45:00	0.3048	5.32	24.4	7.18	508	
CHAW-2	Charlies Ck	25-05-2011 19:00:00	0.3048	5.3	24.41	7.18	511	
CHAW-2	Charlies Ck	25-05-2011 19:15:00	0.3048	5.31	24.42	7.18	513	
CHAW-2	Charlies Ck	25-05-2011 19:30:00	0.3048	5.29	24.43	7.18	515	
CHAW-2	Charlies Ck	25-05-2011 19:45:00	0.3048	5.3	24.41	7.19	517	
CHAW-2	Charlies Ck	25-05-2011 20:00:00	0.3048	5.26	24.39	7.18	519	
CHAW-2	Charlies Ck	25-05-2011 20:15:00	0.3048	5.24	24.37	7.18	518	
CHAW-2	Charlies Ck	25-05-2011 20:30:00	0.3048	5.24	24.34	7.19	520	
CHAW-2	Charlies Ck	25-05-2011 20:45:00	0.3048	5.22	24.32	7.19	520	
CHAW-2	Charlies Ck	25-05-2011 21:00:00	0.3048	5.22	24.29	7.19	521	
CHAW-2	Charlies Ck	25-05-2011 21:15:00	0.3048	5.17	24.27	7.19	520	
CHAW-2	Charlies Ck	25-05-2011 21:30:00	0.3048	5.16	24.27	7.19	519	
CHAW-2	Charlies Ck	25-05-2011 21:45:00	0.3048	5.14	24.25	7.19	519	
CHAW-2	Charlies Ck	25-05-2011 22:00:00	0.3048	5.1	24.24	7.18	518	
CHAW-2	Charlies Ck	25-05-2011 22:15:00	0.3048	5.09	24.24	7.18	516	
CHAW-2	Charlies Ck	25-05-2011 22:30:00	0.3048	5.06	24.24	7.18	514	
CHAW-2	Charlies Ck	25-05-2011 22:45:00	0.3048	5.04	24.24	7.18	513	
CHAW-2	Charlies Ck	25-05-2011 23:00:00	0.3048	5	24.24	7.18	512	
CHAW-2	Charlies Ck	25-05-2011 23:15:00	0.3048	5.01	24.25	7.18	509	
CHAW-2	Charlies Ck	25-05-2011 23:30:00	0.3048	4.99	24.24	7.18	507	
CHAW-2	Charlies Ck	25-05-2011 23:45:00	0.3048	4.98	24.23	7.18	505	
CHAW-2	Charlies Ck	26-05-2011 00:00:00	0.3048	4.92	24.21	7.17	505	
CHAW-2	Charlies Ck	26-05-2011 00:15:00	0.3048	4.9	24.2	7.17	501	
CHAW-2	Charlies Ck	26-05-2011 00:30:00	0.3048	4.89	24.18	7.17	501	
CHAW-2	Charlies Ck	26-05-2011 00:45:00	0.3048	4.84	24.16	7.16	499	
CHAW-2	Charlies Ck	26-05-2011 01:00:00	0.3048	4.89	24.08	7.17	495	
CHAW-2	Charlies Ck	26-05-2011 01:15:00	0.3048	5.01	23.96	7.18	489	
CHAW-2	Charlies Ck	26-05-2011 01:30:00	0.3048	4.99	23.89	7.17	487	
CHAW-2	Charlies Ck	26-05-2011 01:45:00	0.3048	4.99	23.81	7.17	483	
CHAW-2	Charlies Ck	26-05-2011 02:00:00	0.3048	4.96	23.74	7.17	481	
CHAW-2	Charlies Ck	26-05-2011 02:15:00	0.3048	4.88	23.68	7.16	478	
CHAW-2	Charlies Ck	26-05-2011 02:30:00	0.3048	5.01	23.56	7.16	474	
CHAW-2	Charlies Ck	26-05-2011 02:45:00	0.3048	5.2	23.33	7.17	462	
CHAW-2	Charlies Ck	26-05-2011 03:00:00	0.3048	5.3	23.17	7.17	453	
CHAW-2	Charlies Ck	26-05-2011 03:15:00	0.3048	5.47	22.98	7.18	445	
CHAW-2	Charlies Ck	26-05-2011 03:30:00	0.3048	5.45	22.86	7.16	442	
CHAW-2	Charlies Ck	26-05-2011 03:45:00	0.3048	5.48	22.7	7.14	439	
CHAW-2	Charlies Ck	26-05-2011 04:00:00	0.3048	5.58	22.54	7.15	437	
CHAW-2	Charlies Ck	26-05-2011 04:15:00	0.3048	5.62	22.52	7.17	437	
CHAW-2	Charlies Ck	26-05-2011 04:30:00	0.3048	5.6	22.52	7.17	440	
CHAW-2	Charlies Ck	26-05-2011 04:45:00	0.3048	5.56	22.48	7.15	451	
CHAW-2	Charlies Ck	26-05-2011 05:00:00	0.3048	5.63	22.43	7.16	488	
CHAW-2	Charlies Ck	26-05-2011 05:15:00	0.3048	5.96	22.4	7.22	555	
CHAW-2	Charlies Ck	26-05-2011 05:30:00	0.3048	6.04	22.23	7.22	588	
CHAW-2	Charlies Ck	26-05-2011 05:45:00	0.3048	5.89	21.92	7.23	579	
CHAW-2	Charlies Ck	26-05-2011 06:00:00	0.3048	5.91	21.41	7.18	507	
CHAW-2	Charlies Ck	26-05-2011 06:15:00	0.3048	6.07	21.27	7.11	431	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHAW-2	Charlies Ck	26-05-2011 06:30:00	0.3048	6.23	21.3	7.07	382	
CHAW-2	Charlies Ck	26-05-2011 06:45:00	0.3048	6.31	21.32	7.05	340	
CHAW-2	Charlies Ck	26-05-2011 07:00:00	0.3048	6.37	21.32	7.03	306	
CHAW-2	Charlies Ck	26-05-2011 07:15:00	0.3048	6.44	21.24	7.01	278	
CHAW-2	Charlies Ck	26-05-2011 07:30:00	0.3048	6.54	21.06	6.99	255	
CHAW-2	Charlies Ck	26-05-2011 07:45:00	0.3048	6.65	20.86	6.95	234	
CHAW-2	Charlies Ck	26-05-2011 08:00:00	0.3048	6.71	20.73	6.94	219	
CHAW-2	Charlies Ck	26-05-2011 08:15:00	0.3048	6.71	20.67	6.93	212	
CHAW-2	Charlies Ck	26-05-2011 08:30:00	0.3048	6.72	20.66	6.92	210	
CHAW-2	Charlies Ck	26-05-2011 08:45:00	0.3048	6.66	20.74	6.93	210	
CHAW-2	Charlies Ck	26-05-2011 09:00:00	0.3048	6.55	20.83	6.93	211	
CHAW-2	Charlies Ck	26-05-2011 09:15:00	0.3048	6.47	20.91	6.93	212	
CHAW-2	Charlies Ck	26-05-2011 09:30:00	0.3048	6.45	20.98	6.94	214	
CHAW-2	Charlies Ck	26-05-2011 09:45:00	0.3048	6.46	21.07	6.95	217	
CHAW-2	Charlies Ck	26-05-2011 10:00:00	0.3048	6.49	21.17	6.96	219	
CHAW-2	Charlies Ck	26-05-2011 10:15:00	0.3048	6.54	21.26	6.98	220	
CHAW-2	Charlies Ck	26-05-2011 10:30:00	0.3048	6.57	21.34	6.99	222	
CHAW-2	Charlies Ck	26-05-2011 10:45:00	0.3048	6.61	21.41	7	224	
CHAW-2	Charlies Ck	26-05-2011 11:00:00	0.3048	6.65	21.49	7.01	226	
CHAW-2	Charlies Ck	26-05-2011 11:15:00	0.3048	6.7	21.57	7.02	228	
CHAW-2	Charlies Ck	26-05-2011 11:30:00	0.3048	6.74	21.66	7.02	231	
CHAW-2	Charlies Ck	26-05-2011 11:45:00	0.3048	6.75	21.74	7.03	233	
CHAW-2	Charlies Ck	26-05-2011 12:00:00	0.3048	6.8	21.83	7.04	236	
CHAW-2	Charlies Ck	26-05-2011 12:15:00	0.3048	6.78	21.91	7.04	238	
CHAW-2	Charlies Ck	26-05-2011 12:30:00	0.3048	6.78	22.04	7.05	241	
CHAW-2	Charlies Ck	26-05-2011 12:45:00	0.3048	6.8	22.13	7.05	244	
CHAW-2	Charlies Ck	26-05-2011 13:00:00	0.3048	6.78	22.25	7.05	244	
CHAW-2	Charlies Ck	26-05-2011 13:15:00	0.3048	6.78	22.34	7.06	245	
CHAW-2	Charlies Ck	26-05-2011 13:30:00	0.3048	6.78	22.46	7.05	246	
CHAW-2	Charlies Ck	26-05-2011 13:45:00	0.3048	6.77	22.52	7.06	247	
CHAW-2	Charlies Ck	26-05-2011 14:00:00	0.3048	6.75	22.57	7.06	247	
CHAW-2	Charlies Ck	26-05-2011 14:15:00	0.3048	6.76	22.62	7.06	247	
CHAW-2	Charlies Ck	26-05-2011 14:30:00	0.3048	6.74	22.7	7.05	247	
CHAW-2	Charlies Ck	26-05-2011 14:45:00	0.3048	6.74	22.8	7.06	247	
CHAW-2	Charlies Ck	26-05-2011 15:00:00	0.3048	6.72	22.89	7.05	248	
CHAW-2	Charlies Ck	26-05-2011 15:15:00	0.3048	6.71	22.98	7.06	249	
CHAW-2	Charlies Ck	26-05-2011 15:30:00	0.3048	6.69	23.01	7.06	249	
CHAW-2	Charlies Ck	26-05-2011 15:45:00	0.3048	6.67	23.02	7.06	250	
CHAW-2	Charlies Ck	26-05-2011 16:00:00	0.3048	6.64	23.02	7.06	251	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 10:00:00	0.6096	10.67	24.53	7.77	2139	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 10:15:00	0.6096	14.61	24.62	8.39	2140	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 10:30:00	0.6096	14.62	24.59	8.39	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 10:45:00	0.6096	14.81	24.62	8.41	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 11:00:00	0.6096	14.78	24.83	8.41	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 11:15:00	0.6096	14.79	25.03	8.41	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 11:30:00	0.6096	14.94	25.46	8.43	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 11:45:00	0.6096	15.02	25.15	8.45	2118	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 12:00:00	0.6096	15.07	25.03	8.45	2130	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 12:15:00	0.6096	15.19	25.16	8.46	2127	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 12:30:00	0.6096	15.06	25.61	8.46	2119	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 12:45:00	0.6096	14.41	26.95	8.44	2126	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 13:00:00	0.6096	15.38	25.93	8.47	2095	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 13:15:00	0.6096	15.83	25.53	8.5	2101	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 13:30:00	0.6096	15.53	25.42	8.49	2111	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 13:45:00	0.6096	15.9	25.77	8.51	2110	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 14:00:00	0.6096	15.66	25.83	8.51	2102	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 14:15:00	0.6096	15.69	26.17	8.5	2104	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 14:30:00	0.6096	15.7	25.95	8.5	2108	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 14:45:00	0.6096	16	26.04	8.51	2112	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 15:00:00	0.6096	16.28	25.96	8.51	2116	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 15:15:00	0.6096	15.87	26.37	8.51	2120	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 15:30:00	0.6096	16.27	26.39	8.51	2127	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 15:45:00	0.6096	15.9	26.76	8.51	2119	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 16:00:00	0.6096	16.15	26.73	8.52	2114	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 16:15:00	0.6096	16.24	26.63	8.54	2116	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 16:30:00	0.6096	16.34	26.43	8.53	2112	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 16:45:00	0.6096	16.35	26.7	8.53	2111	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 17:00:00	0.6096	16.67	26.74	8.53	2113	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 17:15:00	0.6096	17.06	27.13	8.51	2123	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 17:30:00	0.6096	16.55	27.38	8.52	2130	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 17:45:00	0.6096	16.66	27.26	8.54	2123	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 18:00:00	0.6096	16.37	27.04	8.54	2124	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 18:15:00	0.6096	16.12	27.06	8.53	2126	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 18:30:00	0.6096	16.18	27.09	8.53	2127	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 18:45:00	0.6096	16.14	27.11	8.53	2131	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 19:00:00	0.6096	16.49	27.13	8.53	2128	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 19:15:00	0.6096	16.44	27.11	8.53	2128	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 19:30:00	0.6096	16.33	27.13	8.52	2128	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 19:45:00	0.6096	16.44	27.13	8.53	2125	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 20:00:00	0.6096	16.62	27.15	8.52	2126	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 20:15:00	0.6096	16.27	27.14	8.52	2124	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 20:30:00	0.6096	16.3	27.1	8.52	2125	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 20:45:00	0.6096	16.32	27.14	8.5	2127	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 21:00:00	0.6096	16.47	27.18	8.51	2125	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 21:15:00	0.6096	16.25	27.2	8.51	2124	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 21:30:00	0.6096	16.26	27.06	8.5	2131	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 21:45:00	0.6096	15.74	27.21	8.5	2131	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 22:00:00	0.6096	16.01	27.15	8.5	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 22:15:00	0.6096	15.84	27.11	8.5	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 22:30:00	0.6096	16.16	26.96	8.5	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 22:45:00	0.6096	16.3	26.84	8.5	2140	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 23:00:00	0.6096	15.59	26.76	8.47	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 23:15:00	0.6096	14.53	26.65	8.45	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 23:30:00	0.6096	13.81	26.54	8.44	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	09-05-2011 23:45:00	0.6096	14.02	26.44	8.46	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 00:00:00	0.6096	13.16	26.33	8.44	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 00:15:00	0.6096	13.27	26.22	8.43	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 00:30:00	0.6096	13.34	26.12	8.44	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 00:45:00	0.6096	13.76	26.03	8.45	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 01:00:00	0.6096	13.4	25.92	8.43	2146	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 01:15:00	0.6096	13.56	25.83	8.45	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 01:30:00	0.6096	13.55	25.72	8.45	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 01:45:00	0.6096	13.43	25.62	8.44	2141	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 02:00:00	0.6096	13.58	25.53	8.44	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 02:15:00	0.6096	13.5	25.45	8.43	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 02:30:00	0.6096	13.23	25.36	8.42	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 02:45:00	0.6096	13.3	25.28	8.42	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 03:00:00	0.6096	13.34	25.21	8.43	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 03:15:00	0.6096	13.74	25.12	8.45	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 03:30:00	0.6096	13.41	25.05	8.43	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 03:45:00	0.6096	13.38	24.98	8.43	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 04:00:00	0.6096	13.55	24.91	8.43	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 04:15:00	0.6096	13.38	24.82	8.43	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 04:30:00	0.6096	13.36	24.76	8.43	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 04:45:00	0.6096	13.35	24.69	8.42	2147	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 05:00:00	0.6096	13.42	24.63	8.42	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 05:15:00	0.6096	13.32	24.57	8.41	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 05:30:00	0.6096	13.37	24.53	8.41	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 05:45:00	0.6096	13.38	24.46	8.41	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 06:00:00	0.6096	13.34	24.42	8.42	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 06:15:00	0.6096	13.28	24.36	8.41	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 06:30:00	0.6096	13.32	24.31	8.41	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 06:45:00	0.6096	13.32	24.26	8.41	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 07:00:00	0.6096	13.44	24.24	8.42	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 07:15:00	0.6096	13.4	24.21	8.41	2147	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 07:30:00	0.6096	13.72	24.21	8.43	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 07:45:00	0.6096	13.74	24.22	8.43	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 08:00:00	0.6096	13.52	24.25	8.43	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 08:15:00	0.6096	13.81	24.29	8.43	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 08:30:00	0.6096	13.79	24.34	8.43	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 08:45:00	0.6096	13.61	24.42	8.43	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 09:00:00	0.6096	13.99	24.54	8.44	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 09:15:00	0.6096	14.17	24.62	8.45	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 09:30:00	0.6096	14.26	24.78	8.45	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 09:45:00	0.6096	14.22	24.82	8.46	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 10:00:00	0.6096	14.48	24.85	8.47	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 10:15:00	0.6096	14.9	24.9	8.48	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 10:30:00	0.6096	14.57	25.06	8.48	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 10:45:00	0.6096	14.71	25.23	8.49	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 11:00:00	0.6096	14.75	25.3	8.49	2142	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 11:15:00	0.6096	14.77	25.36	8.49	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 11:30:00	0.6096	14.94	25.56	8.5	2139	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 11:45:00	0.6096	15.16	25.62	8.51	2140	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 12:00:00	0.6096	15.08	25.68	8.5	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 12:15:00	0.6096	15.56	25.75	8.5	2139	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 12:30:00	0.6096	15.77	26.07	8.53	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 12:45:00	0.6096	16.2	26.14	8.54	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 13:00:00	0.6096	16.2	26.26	8.55	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 13:15:00	0.6096	15.91	26.57	8.53	2134	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 13:30:00	0.6096	16.4	26.81	8.54	2132	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 13:45:00	0.6096	16.36	26.68	8.55	2130	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 14:00:00	0.6096	16.57	26.71	8.54	2128	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 14:15:00	0.6096	15.72	26.88	8.53	2131	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 14:30:00	0.6096	17	27.32	8.58	2134	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 14:45:00	0.6096	16.23	27.41	8.55	2131	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 15:00:00	0.6096	16.66	27.2	8.56	2129	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 15:15:00	0.6096	16.89	27.42	8.57	2132	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 15:30:00	0.6096	16.52	27.13	8.56	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 15:45:00	0.6096	16.72	27.05	8.57	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 16:00:00	0.6096	16.83	27.42	8.57	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 16:15:00	0.6096	16.88	28.02	8.56	2139	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 16:30:00	0.6096	16.61	28	8.57	2132	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 16:45:00	0.6096	16.78	27.97	8.58	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 17:00:00	0.6096	16.93	27.88	8.59	2130	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 17:15:00	0.6096	16.61	27.96	8.57	2130	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 17:30:00	0.6096	16.47	27.96	8.56	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 17:45:00	0.6096	16.21	28.12	8.56	2134	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 18:00:00	0.6096	16.59	28.14	8.57	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 18:15:00	0.6096	16.45	28.12	8.56	2131	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 18:30:00	0.6096	16.51	28.1	8.57	2132	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 18:45:00	0.6096	16.44	28.17	8.56	2132	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 19:00:00	0.6096	16.28	28.18	8.55	2132	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 19:15:00	0.6096	16.45	28.19	8.56	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 19:30:00	0.6096	16.94	28.2	8.56	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 19:45:00	0.6096	16.63	28.22	8.55	2134	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 20:00:00	0.6096	16.17	28.24	8.54	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 20:15:00	0.6096	15.95	28.16	8.54	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 20:30:00	0.6096	16.06	28.14	8.54	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 20:45:00	0.6096	16.33	28.24	8.56	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 21:00:00	0.6096	16.06	28.24	8.54	2133	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 21:15:00	0.6096	16.23	28.24	8.54	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 21:30:00	0.6096	16.07	28.25	8.54	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 21:45:00	0.6096	15.95	28.19	8.52	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 22:00:00	0.6096	16.22	28.08	8.52	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 22:15:00	0.6096	15.74	27.97	8.5	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 22:30:00	0.6096	15.34	27.84	8.49	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 22:45:00	0.6096	14.7	27.74	8.5	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 23:00:00	0.6096	13.16	27.63	8.5	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 23:15:00	0.6096	13.97	27.5	8.5	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 23:30:00	0.6096	14.12	27.38	8.53	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	10-05-2011 23:45:00	0.6096	13.92	27.26	8.51	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 00:00:00	0.6096	14.02	27.16	8.51	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 00:15:00	0.6096	13.58	27.04	8.5	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 00:30:00	0.6096	13.54	26.94	8.48	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 00:45:00	0.6096	13.29	26.84	8.48	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 01:00:00	0.6096	13.53	26.74	8.48	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 01:15:00	0.6096	13.43	26.64	8.48	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 01:30:00	0.6096	13.16	26.53	8.47	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 01:45:00	0.6096	13.32	26.45	8.47	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 02:00:00	0.6096	13.28	26.35	8.47	2150	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 02:15:00	0.6096	13.51	26.27	8.49	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 02:30:00	0.6096	13.44	26.2	8.48	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 02:45:00	0.6096	13.47	26.13	8.47	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 03:00:00	0.6096	13.4	26.06	8.47	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 03:15:00	0.6096	13.55	25.97	8.47	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 03:30:00	0.6096	13.64	25.9	8.47	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 03:45:00	0.6096	13.43	25.85	8.47	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 04:00:00	0.6096	13.54	25.8	8.47	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 04:15:00	0.6096	13.67	25.71	8.48	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 04:30:00	0.6096	13.47	25.65	8.47	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 04:45:00	0.6096	13.64	25.58	8.47	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 05:00:00	0.6096	13.68	25.52	8.47	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 05:15:00	0.6096	13.6	25.48	8.46	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 05:30:00	0.6096	13.48	25.41	8.46	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 05:45:00	0.6096	13.68	25.33	8.45	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 06:00:00	0.6096	13.92	25.28	8.49	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 06:15:00	0.6096	13.82	25.24	8.47	2148	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 06:30:00	0.6096	13.78	25.2	8.47	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 06:45:00	0.6096	13.77	25.14	8.48	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 07:00:00	0.6096	13.81	25.09	8.48	2148	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 07:15:00	0.6096	13.81	25.1	8.49	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 07:30:00	0.6096	13.98	25.11	8.49	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 07:45:00	0.6096	14.19	25.11	8.49	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 08:00:00	0.6096	14	25.14	8.49	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 08:15:00	0.6096	13.95	25.18	8.48	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 08:30:00	0.6096	13.98	25.23	8.47	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 08:45:00	0.6096	13.9	25.28	8.47	2148	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 09:00:00	0.6096	13.98	25.35	8.49	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 09:15:00	0.6096	14.37	25.42	8.51	2146	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 09:30:00	0.6096	14.48	25.49	8.51	2149	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 09:45:00	0.6096	14.6	25.57	8.53	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 10:00:00	0.6096	14.46	25.7	8.51	2148	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 10:15:00	0.6096	14.56	25.76	8.52	2147	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 10:30:00	0.6096	14.7	25.87	8.52	2145	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 10:45:00	0.6096	14.49	26.04	8.51	2147	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 11:00:00	0.6096	14.48	26.14	8.51	2147	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 11:15:00	0.6096	14.64	26.39	8.51	2144	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 11:30:00	0.6096	15.38	26.41	8.56	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 11:45:00	0.6096	14.85	26.43	8.54	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 12:00:00	0.6096	15.9	27.07	8.56	2141	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 12:15:00	0.6096	15.78	26.6	8.55	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 12:30:00	0.6096	15.26	26.93	8.54	2134	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 12:45:00	0.6096	15.57	27.08	8.6	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 13:00:00	0.6096	15.22	27.18	8.54	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 13:15:00	0.6096	15.67	27.35	8.56	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 13:30:00	0.6096	15.85	27.46	8.57	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 13:45:00	0.6096	16.16	27.52	8.57	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 14:00:00	0.6096	16.73	27.52	8.59	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 14:15:00	0.6096	16.29	27.79	8.58	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 14:30:00	0.6096	17.43	27.86	8.64	2132	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 14:45:00	0.6096	17.65	28.16	8.65	2129	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 15:00:00	0.6096	16.24	27.86	8.58	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 15:15:00	0.6096	16.35	28.19	8.59	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 15:30:00	0.6096	16.01	28.34	8.58	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 15:45:00	0.6096	16.91	28.31	8.6	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 16:00:00	0.6096	16.81	28.23	8.6	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 16:15:00	0.6096	16.94	28.39	8.61	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 16:30:00	0.6096	17.01	28.32	8.61	2140	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 16:45:00	0.6096	17.07	28.5	8.61	2141	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 17:00:00	0.6096	17.67	28.67	8.63	2140	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 17:15:00	0.6096	17.45	28.79	8.62	2139	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 17:30:00	0.6096	16.6	28.83	8.6	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 17:45:00	0.6096	16.72	28.86	8.6	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 18:00:00	0.6096	16.68	28.87	8.6	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 18:15:00	0.6096	16.52	28.9	8.6	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 18:30:00	0.6096	16.48	28.91	8.58	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 18:45:00	0.6096	16.28	28.9	8.58	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 19:00:00	0.6096	16.17	28.94	8.58	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 19:15:00	0.6096	16.5	28.96	8.6	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 19:30:00	0.6096	16.46	28.92	8.57	2137	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 19:45:00	0.6096	16.4	28.96	8.58	2138	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 20:00:00	0.6096	16.12	28.99	8.57	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 20:15:00	0.6096	16.09	29.01	8.57	2136	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 20:30:00	0.6096	16.19	29.05	8.57	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 20:45:00	0.6096	16.26	28.96	8.57	2135	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 21:00:00	0.6096	16.38	29.03	8.57	2141	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 21:15:00	0.6096	16.18	28.97	8.56	2139	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 21:30:00	0.6096	16.41	28.87	8.56	2143	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 21:45:00	0.6096	15.96	28.76	8.55	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 22:00:00	0.6096	14.17	28.61	8.56	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 22:15:00	0.6096	14.06	28.49	8.55	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 22:30:00	0.6096	14.4	28.36	8.56	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 22:45:00	0.6096	14.03	28.22	8.54	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 23:00:00	0.6096	13.93	28.11	8.53	2158	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 23:15:00	0.6096	13.98	28	8.53	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 23:30:00	0.6096	13.92	27.88	8.54	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	11-05-2011 23:45:00	0.6096	13.73	27.78	8.52	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 00:00:00	0.6096	13.73	27.68	8.51	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 00:15:00	0.6096	13.59	27.58	8.5	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 00:30:00	0.6096	13.35	27.48	8.5	2158	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 00:45:00	0.6096	13.3	27.37	8.5	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 01:00:00	0.6096	13.37	27.31	8.5	2158	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 01:15:00	0.6096	13.58	27.22	8.51	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 01:30:00	0.6096	13.37	27.14	8.49	2157	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 01:45:00	0.6096	13.46	27.07	8.5	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 02:00:00	0.6096	13.53	26.99	8.5	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 02:15:00	0.6096	13.62	26.91	8.5	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 02:30:00	0.6096	14.02	26.83	8.52	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 02:45:00	0.6096	13.76	26.77	8.5	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 03:00:00	0.6096	13.85	26.68	8.52	2155	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 03:15:00	0.6096	13.77	26.61	8.51	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 03:30:00	0.6096	13.97	26.54	8.52	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 03:45:00	0.6096	13.84	26.47	8.52	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 04:00:00	0.6096	13.82	26.42	8.51	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 04:15:00	0.6096	13.91	26.37	8.52	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 04:30:00	0.6096	13.91	26.33	8.52	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 04:45:00	0.6096	13.86	26.28	8.51	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 05:00:00	0.6096	13.88	26.22	8.51	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 05:15:00	0.6096	13.9	26.17	8.51	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 05:30:00	0.6096	13.92	26.12	8.51	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 05:45:00	0.6096	13.94	26.07	8.52	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 06:00:00	0.6096	13.87	26	8.51	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 06:15:00	0.6096	13.9	25.97	8.46	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 06:30:00	0.6096	13.88	25.92	8.51	2151	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 06:45:00	0.6096	13.81	25.89	8.51	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 07:00:00	0.6096	13.83	25.86	8.49	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 07:15:00	0.6096	13.72	25.84	8.5	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 07:30:00	0.6096	13.78	25.83	8.51	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 07:45:00	0.6096	13.97	25.84	8.51	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 08:00:00	0.6096	14.08	25.84	8.51	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 08:15:00	0.6096	14.11	25.84	8.51	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 08:30:00	0.6096	14.13	25.85	8.51	2150	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 08:45:00	0.6096	14.04	25.87	8.51	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 09:00:00	0.6096	14.2	25.93	8.52	2153	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 09:15:00	0.6096	14.17	25.99	8.5	2152	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 09:30:00	0.6096	14.19	26.05	8.5	2155	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 09:45:00	0.6096	14.19	26.09	8.5	2154	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 10:00:00	0.6096	14.41	26.22	8.5	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 10:15:00	0.6096	14.39	26.36	8.5	2156	
CHMJ-47	Cherokee Mining Praco Mine Outfall 47	12-05-2011 10:30:00	0.6096	14.51	26.6	8.46	2160	
CLCJ-1	Coal Ck	09-05-2011 11:45:00	0.27432	8.57	17.89	7.5	1151	
CLCJ-1	Coal Ck	09-05-2011 12:00:00	0.27432	8.02	17.97	7.55	1193	
CLCJ-1	Coal Ck	09-05-2011 12:15:00	0.27432	8.19	18.02	7.56	1185	
CLCJ-1	Coal Ck	09-05-2011 12:30:00	0.27432	8.39	18.28	7.58	1177	
CLCJ-1	Coal Ck	09-05-2011 12:45:00	0.27432	8.46	18.43	7.59	1183	
CLCJ-1	Coal Ck	09-05-2011 13:00:00	0.27432	8.14	18.5	7.58	1167	
CLCJ-1	Coal Ck	09-05-2011 13:15:00	0.27432	8.41	18.77	7.6	1163	
CLCJ-1	Coal Ck	09-05-2011 13:30:00	0.27432	8.44	18.95	7.6	1176	
CLCJ-1	Coal Ck	09-05-2011 13:45:00	0.27432	8.43	18.98	7.59	1160	
CLCJ-1	Coal Ck	09-05-2011 14:00:00	0.27432	8.14	18.95	7.6	1160	
CLCJ-1	Coal Ck	09-05-2011 14:15:00	0.27432	8.24	19.17	7.61	1182	
CLCJ-1	Coal Ck	09-05-2011 14:30:00	0.27432	8.42	19.34	7.61	1189	
CLCJ-1	Coal Ck	09-05-2011 14:45:00	0.27432	8.31	19.3	7.6	1183	
CLCJ-1	Coal Ck	09-05-2011 15:00:00	0.27432	8.4	19.44	7.61	1198	
CLCJ-1	Coal Ck	09-05-2011 15:15:00	0.27432	8.35	19.63	7.62	1216	
CLCJ-1	Coal Ck	09-05-2011 15:30:00	0.27432	8.3	19.63	7.61	1198	
CLCJ-1	Coal Ck	09-05-2011 15:45:00	0.27432	8.33	19.76	7.61	1193	
CLCJ-1	Coal Ck	09-05-2011 16:00:00	0.27432	8.18	19.82	7.62	1203	
CLCJ-1	Coal Ck	09-05-2011 16:15:00	0.27432	8.31	19.89	7.62	1200	
CLCJ-1	Coal Ck	09-05-2011 16:30:00	0.27432	8.22	19.94	7.61	1212	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-1	Coal Ck	09-05-2011 16:45:00	0.27432	8.29	19.93	7.61	1213	
CLCJ-1	Coal Ck	09-05-2011 17:00:00	0.27432	8.31	20.04	7.63	1218	
CLCJ-1	Coal Ck	09-05-2011 17:15:00	0.27432	8.33	20.01	7.61	1231	
CLCJ-1	Coal Ck	09-05-2011 17:30:00	0.27432	8.36	20.03	7.62	1215	
CLCJ-1	Coal Ck	09-05-2011 17:45:00	0.27432	8.35	20.03	7.62	1235	
CLCJ-1	Coal Ck	09-05-2011 18:00:00	0.27432	8.3	20.01	7.63	1242	
CLCJ-1	Coal Ck	09-05-2011 18:15:00	0.27432	8.31	19.95	7.62	1239	
CLCJ-1	Coal Ck	09-05-2011 18:30:00	0.27432	8.22	19.91	7.6	1252	
CLCJ-1	Coal Ck	09-05-2011 18:45:00	0.27432	8.23	19.9	7.62	1253	
CLCJ-1	Coal Ck	09-05-2011 19:00:00	0.27432	8.22	19.85	7.61	1261	
CLCJ-1	Coal Ck	09-05-2011 19:15:00	0.27432	8.27	19.8	7.6	1267	
CLCJ-1	Coal Ck	09-05-2011 19:30:00	0.27432	8.25	19.74	7.59	1264	
CLCJ-1	Coal Ck	09-05-2011 19:45:00	0.27432	8.28	19.69	7.59	1268	
CLCJ-1	Coal Ck	09-05-2011 20:00:00	0.27432	8.27	19.66	7.6	1281	
CLCJ-1	Coal Ck	09-05-2011 20:15:00	0.27432	8.32	19.59	7.6	1289	
CLCJ-1	Coal Ck	09-05-2011 20:30:00	0.27432	8.26	19.52	7.6	1297	
CLCJ-1	Coal Ck	09-05-2011 20:45:00	0.27432	8.32	19.46	7.61	1293	
CLCJ-1	Coal Ck	09-05-2011 21:00:00	0.27432	8.21	19.41	7.61	1304	
CLCJ-1	Coal Ck	09-05-2011 21:15:00	0.27432	8.34	19.34	7.61	1312	
CLCJ-1	Coal Ck	09-05-2011 21:30:00	0.27432	8.3	19.27	7.62	1316	
CLCJ-1	Coal Ck	09-05-2011 21:45:00	0.27432	8.33	19.19	7.62	1318	
CLCJ-1	Coal Ck	09-05-2011 22:00:00	0.27432	8.36	19.13	7.62	1325	
CLCJ-1	Coal Ck	09-05-2011 22:15:00	0.27432	8.38	19.06	7.62	1336	
CLCJ-1	Coal Ck	09-05-2011 22:30:00	0.27432	8.32	19	7.61	1347	
CLCJ-1	Coal Ck	09-05-2011 22:45:00	0.27432	8.41	18.91	7.62	1346	
CLCJ-1	Coal Ck	09-05-2011 23:00:00	0.27432	8.42	18.83	7.62	1351	
CLCJ-1	Coal Ck	09-05-2011 23:15:00	0.27432	8.47	18.75	7.62	1356	
CLCJ-1	Coal Ck	09-05-2011 23:30:00	0.27432	8.48	18.68	7.62	1360	
CLCJ-1	Coal Ck	09-05-2011 23:45:00	0.27432	8.48	18.61	7.63	1369	
CLCJ-1	Coal Ck	10-05-2011 00:00:00	0.27432	8.48	18.54	7.63	1384	
CLCJ-1	Coal Ck	10-05-2011 00:15:00	0.27432	8.52	18.45	7.63	1392	
CLCJ-1	Coal Ck	10-05-2011 00:30:00	0.27432	8.53	18.39	7.63	1391	
CLCJ-1	Coal Ck	10-05-2011 00:45:00	0.27432	8.51	18.32	7.63	1401	
CLCJ-1	Coal Ck	10-05-2011 01:00:00	0.27432	8.54	18.23	7.63	1401	
CLCJ-1	Coal Ck	10-05-2011 01:15:00	0.27432	8.53	18.19	7.63	1401	
CLCJ-1	Coal Ck	10-05-2011 01:30:00	0.27432	8.57	18.09	7.63	1406	
CLCJ-1	Coal Ck	10-05-2011 01:45:00	0.27432	8.61	18	7.63	1411	
CLCJ-1	Coal Ck	10-05-2011 02:00:00	0.27432	8.6	17.94	7.63	1423	
CLCJ-1	Coal Ck	10-05-2011 02:15:00	0.27432	8.56	17.88	7.63	1423	
CLCJ-1	Coal Ck	10-05-2011 02:30:00	0.27432	8.61	17.81	7.63	1420	
CLCJ-1	Coal Ck	10-05-2011 02:45:00	0.27432	8.65	17.74	7.63	1414	
CLCJ-1	Coal Ck	10-05-2011 03:00:00	0.27432	8.67	17.65	7.63	1424	
CLCJ-1	Coal Ck	10-05-2011 03:15:00	0.27432	8.73	17.6	7.63	1417	
CLCJ-1	Coal Ck	10-05-2011 03:30:00	0.27432	8.72	17.51	7.63	1417	
CLCJ-1	Coal Ck	10-05-2011 03:45:00	0.27432	8.61	17.5	7.63	1418	
CLCJ-1	Coal Ck	10-05-2011 04:00:00	0.27432	8.74	17.4	7.63	1417	
CLCJ-1	Coal Ck	10-05-2011 04:15:00	0.27432	8.71	17.35	7.61	1403	
CLCJ-1	Coal Ck	10-05-2011 04:30:00	0.27432	8.66	17.33	7.61	1403	
CLCJ-1	Coal Ck	10-05-2011 04:45:00	0.27432	8.71	17.24	7.62	1399	
CLCJ-1	Coal Ck	10-05-2011 05:00:00	0.27432	8.7	17.19	7.62	1408	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-1	Coal Ck	10-05-2011 05:15:00	0.27432	8.79	17.09	7.62	1396	
CLCJ-1	Coal Ck	10-05-2011 05:30:00	0.27432	8.68	17.08	7.62	1409	
CLCJ-1	Coal Ck	10-05-2011 05:45:00	0.27432	8.83	17	7.62	1405	
CLCJ-1	Coal Ck	10-05-2011 06:00:00	0.27432	8.84	16.93	7.61	1403	
CLCJ-1	Coal Ck	10-05-2011 06:15:00	0.27432	8.75	16.94	7.61	1401	
CLCJ-1	Coal Ck	10-05-2011 06:30:00	0.27432	8.83	16.83	7.63	1379	
CLCJ-1	Coal Ck	10-05-2011 06:45:00	0.27432	8.87	16.81	7.62	1389	
CLCJ-1	Coal Ck	10-05-2011 07:00:00	0.27432	8.87	16.78	7.62	1377	
CLCJ-1	Coal Ck	10-05-2011 07:15:00	0.27432	8.89	16.76	7.62	1365	
CLCJ-1	Coal Ck	10-05-2011 07:30:00	0.27432	8.9	16.77	7.62	1359	
CLCJ-1	Coal Ck	10-05-2011 07:45:00	0.27432	8.89	16.81	7.61	1331	
CLCJ-1	Coal Ck	10-05-2011 08:00:00	0.27432	8.86	16.85	7.62	1345	
CLCJ-1	Coal Ck	10-05-2011 08:15:00	0.27432	8.99	16.94	7.62	1338	
CLCJ-1	Coal Ck	10-05-2011 08:30:00	0.27432	8.9	17.01	7.61	1333	
CLCJ-1	Coal Ck	10-05-2011 08:45:00	0.27432	8.91	17.13	7.61	1335	
CLCJ-1	Coal Ck	10-05-2011 09:00:00	0.27432	8.94	17.18	7.61	1321	
CLCJ-1	Coal Ck	10-05-2011 09:15:00	0.27432	8.83	17.47	7.61	1296	
CLCJ-1	Coal Ck	10-05-2011 09:30:00	0.27432	8.89	17.46	7.6	1272	
CLCJ-1	Coal Ck	10-05-2011 09:45:00	0.27432	8.94	17.55	7.6	1273	
CLCJ-1	Coal Ck	10-05-2011 10:00:00	0.27432	8.95	17.65	7.61	1258	
CLCJ-1	Coal Ck	10-05-2011 10:15:00	0.27432	8.94	17.77	7.61	1267	
CLCJ-1	Coal Ck	10-05-2011 10:30:00	0.27432	8.92	17.85	7.61	1250	
CLCJ-1	Coal Ck	10-05-2011 10:45:00	0.27432	8.91	17.97	7.62	1262	
CLCJ-1	Coal Ck	10-05-2011 11:00:00	0.27432	8.88	18.11	7.62	1256	
CLCJ-1	Coal Ck	10-05-2011 11:15:00	0.27432	8.83	18.16	7.61	1241	
CLCJ-1	Coal Ck	10-05-2011 11:30:00	0.27432	8.85	18.42	7.62	1243	
CLCJ-1	Coal Ck	10-05-2011 11:45:00	0.27432	8.83	18.55	7.62	1243	
CLCJ-1	Coal Ck	10-05-2011 12:00:00	0.27432	8.81	18.68	7.62	1239	
CLCJ-1	Coal Ck	10-05-2011 12:15:00	0.27432	8.78	18.9	7.63	1243	
CLCJ-1	Coal Ck	10-05-2011 12:30:00	0.27432	8.76	19.02	7.63	1245	
CLCJ-1	Coal Ck	10-05-2011 12:45:00	0.27432	8.73	19.16	7.64	1237	
CLCJ-1	Coal Ck	10-05-2011 13:00:00	0.27432	8.69	19.4	7.64	1256	
CLCJ-1	Coal Ck	10-05-2011 13:15:00	0.27432	8.68	19.47	7.64	1253	
CLCJ-1	Coal Ck	10-05-2011 13:30:00	0.27432	8.63	19.67	7.64	1251	
CLCJ-1	Coal Ck	10-05-2011 13:45:00	0.27432	8.6	19.8	7.64	1244	
CLCJ-1	Coal Ck	10-05-2011 14:00:00	0.27432	8.58	19.92	7.65	1250	
CLCJ-1	Coal Ck	10-05-2011 14:15:00	0.27432	8.53	20.06	7.64	1266	
CLCJ-1	Coal Ck	10-05-2011 14:30:00	0.27432	8.48	20.2	7.64	1262	
CLCJ-1	Coal Ck	10-05-2011 14:45:00	0.27432	8.47	20.31	7.64	1268	
CLCJ-1	Coal Ck	10-05-2011 15:00:00	0.27432	8.44	20.38	7.64	1276	
CLCJ-1	Coal Ck	10-05-2011 15:15:00	0.27432	8.41	20.48	7.65	1271	
CLCJ-1	Coal Ck	10-05-2011 15:30:00	0.27432	8.4	20.57	7.65	1286	
CLCJ-1	Coal Ck	10-05-2011 15:45:00	0.27432	8.36	20.65	7.64	1276	
CLCJ-1	Coal Ck	10-05-2011 16:00:00	0.27432	8.36	20.69	7.65	1284	
CLCJ-1	Coal Ck	10-05-2011 16:15:00	0.27432	8.34	20.75	7.65	1280	
CLCJ-1	Coal Ck	10-05-2011 16:30:00	0.27432	8.33	20.78	7.65	1302	
CLCJ-1	Coal Ck	10-05-2011 16:45:00	0.27432	8.3	20.78	7.64	1284	
CLCJ-1	Coal Ck	10-05-2011 17:00:00	0.27432	8.26	20.76	7.64	1304	
CLCJ-1	Coal Ck	10-05-2011 17:15:00	0.27432	8.26	20.77	7.64	1292	
CLCJ-1	Coal Ck	10-05-2011 17:30:00	0.27432	8.24	20.69	7.63	1283	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-1	Coal Ck	10-05-2011 17:45:00	0.27432	8.21	20.71	7.61	1307	
CLCJ-1	Coal Ck	10-05-2011 18:00:00	0.27432	8.23	20.69	7.64	1308	
CLCJ-1	Coal Ck	10-05-2011 18:15:00	0.27432	8.27	20.67	7.65	1323	
CLCJ-1	Coal Ck	10-05-2011 18:30:00	0.27432	8.23	20.64	7.65	1340	
CLCJ-1	Coal Ck	10-05-2011 18:45:00	0.27432	8.22	20.58	7.64	1337	
CLCJ-1	Coal Ck	10-05-2011 19:00:00	0.27432	8.27	20.52	7.63	1344	
CLCJ-1	Coal Ck	10-05-2011 19:15:00	0.27432	8.23	20.49	7.63	1351	
CLCJ-1	Coal Ck	10-05-2011 19:30:00	0.27432	8.24	20.41	7.63	1358	
CLCJ-1	Coal Ck	10-05-2011 19:45:00	0.27432	8.24	20.37	7.62	1359	
CLCJ-1	Coal Ck	10-05-2011 20:00:00	0.27432	8.24	20.31	7.63	1369	
CLCJ-1	Coal Ck	10-05-2011 20:15:00	0.27432	8.26	20.23	7.63	1375	
CLCJ-1	Coal Ck	10-05-2011 20:30:00	0.27432	8.25	20.16	7.63	1378	
CLCJ-1	Coal Ck	10-05-2011 20:45:00	0.27432	8.27	20.09	7.64	1383	
CLCJ-1	Coal Ck	10-05-2011 21:00:00	0.27432	8.3	20.01	7.64	1391	
CLCJ-1	Coal Ck	10-05-2011 21:15:00	0.27432	8.29	19.92	7.64	1400	
CLCJ-1	Coal Ck	10-05-2011 21:30:00	0.27432	8.3	19.85	7.65	1409	
CLCJ-1	Coal Ck	10-05-2011 21:45:00	0.27432	8.32	19.78	7.65	1410	
CLCJ-1	Coal Ck	10-05-2011 22:00:00	0.27432	8.33	19.7	7.65	1420	
CLCJ-1	Coal Ck	10-05-2011 22:15:00	0.27432	8.35	19.62	7.64	1432	
CLCJ-1	Coal Ck	10-05-2011 22:30:00	0.27432	8.34	19.53	7.64	1436	
CLCJ-1	Coal Ck	10-05-2011 22:45:00	0.27432	8.37	19.45	7.65	1440	
CLCJ-1	Coal Ck	10-05-2011 23:00:00	0.27432	8.37	19.38	7.65	1444	
CLCJ-1	Coal Ck	10-05-2011 23:15:00	0.27432	8.41	19.28	7.65	1452	
CLCJ-1	Coal Ck	10-05-2011 23:30:00	0.27432	8.43	19.18	7.65	1457	
CLCJ-1	Coal Ck	10-05-2011 23:45:00	0.27432	8.41	19.11	7.65	1462	
CLCJ-1	Coal Ck	11-05-2011 00:00:00	0.27432	8.42	19.04	7.65	1467	
CLCJ-1	Coal Ck	11-05-2011 00:15:00	0.27432	8.45	18.95	7.65	1474	
CLCJ-1	Coal Ck	11-05-2011 00:30:00	0.27432	8.49	18.86	7.65	1487	
CLCJ-1	Coal Ck	11-05-2011 00:45:00	0.27432	8.48	18.79	7.65	1495	
CLCJ-1	Coal Ck	11-05-2011 01:00:00	0.27432	8.5	18.73	7.64	1501	
CLCJ-1	Coal Ck	11-05-2011 01:15:00	0.27432	8.51	18.63	7.65	1505	
CLCJ-1	Coal Ck	11-05-2011 01:30:00	0.27432	8.53	18.54	7.65	1512	
CLCJ-1	Coal Ck	11-05-2011 01:45:00	0.27432	8.54	18.48	7.65	1520	
CLCJ-1	Coal Ck	11-05-2011 02:00:00	0.27432	8.57	18.42	7.65	1525	
CLCJ-1	Coal Ck	11-05-2011 02:15:00	0.27432	8.59	18.31	7.65	1526	
CLCJ-1	Coal Ck	11-05-2011 02:30:00	0.27432	8.59	18.27	7.65	1532	
CLCJ-1	Coal Ck	11-05-2011 02:45:00	0.27432	8.58	18.19	7.64	1539	
CLCJ-1	Coal Ck	11-05-2011 03:00:00	0.27432	8.65	18.1	7.65	1543	
CLCJ-1	Coal Ck	11-05-2011 03:15:00	0.27432	8.66	18.03	7.66	1551	
CLCJ-1	Coal Ck	11-05-2011 03:30:00	0.27432	8.67	17.98	7.65	1548	
CLCJ-1	Coal Ck	11-05-2011 03:45:00	0.27432	8.67	17.92	7.65	1552	
CLCJ-1	Coal Ck	11-05-2011 04:00:00	0.27432	8.72	17.82	7.66	1556	
CLCJ-1	Coal Ck	11-05-2011 04:15:00	0.27432	8.71	17.79	7.66	1556	
CLCJ-1	Coal Ck	11-05-2011 04:30:00	0.27432	8.75	17.72	7.66	1555	
CLCJ-1	Coal Ck	11-05-2011 04:45:00	0.27432	8.74	17.65	7.66	1554	
CLCJ-1	Coal Ck	11-05-2011 05:00:00	0.27432	8.78	17.58	7.66	1554	
CLCJ-1	Coal Ck	11-05-2011 05:15:00	0.27432	8.77	17.53	7.65	1563	
CLCJ-1	Coal Ck	11-05-2011 05:30:00	0.27432	8.79	17.48	7.65	1553	
CLCJ-1	Coal Ck	11-05-2011 05:45:00	0.27432	8.79	17.42	7.65	1554	
CLCJ-1	Coal Ck	11-05-2011 06:00:00	0.27432	8.84	17.34	7.65	1554	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-1	Coal Ck	11-05-2011 06:15:00	0.27432	8.82	17.32	7.65	1552	
CLCJ-1	Coal Ck	11-05-2011 06:30:00	0.27432	8.86	17.25	7.65	1546	
CLCJ-1	Coal Ck	11-05-2011 06:45:00	0.27432	8.89	17.22	7.65	1545	
CLCJ-1	Coal Ck	11-05-2011 07:00:00	0.27432	8.88	17.2	7.65	1542	
CLCJ-1	Coal Ck	11-05-2011 07:15:00	0.27432	8.92	17.17	7.65	1540	
CLCJ-1	Coal Ck	11-05-2011 07:30:00	0.27432	8.92	17.19	7.65	1536	
CLCJ-1	Coal Ck	11-05-2011 07:45:00	0.27432	8.91	17.23	7.65	1524	
CLCJ-1	Coal Ck	11-05-2011 08:00:00	0.27432	8.95	17.29	7.65	1514	
CLCJ-1	Coal Ck	11-05-2011 08:15:00	0.27432	8.97	17.37	7.64	1514	
CLCJ-1	Coal Ck	11-05-2011 08:30:00	0.27432	9	17.47	7.65	1489	
CLCJ-1	Coal Ck	11-05-2011 08:45:00	0.27432	8.96	17.57	7.64	1456	
CLCJ-1	Coal Ck	11-05-2011 09:00:00	0.27432	8.88	17.63	7.62	1470	
CLCJ-1	Coal Ck	11-05-2011 09:15:00	0.27432	8.91	17.89	7.63	1463	
CLCJ-1	Coal Ck	11-05-2011 09:30:00	0.27432	8.95	17.89	7.64	1469	
CLCJ-1	Coal Ck	11-05-2011 09:45:00	0.27432	8.95	18.01	7.64	1460	
CLCJ-1	Coal Ck	11-05-2011 10:00:00	0.27432	8.97	18.11	7.64	1452	
CLCJ-1	Coal Ck	11-05-2011 10:15:00	0.27432	8.93	18.19	7.64	1449	
CLCJ-1	Coal Ck	11-05-2011 10:30:00	0.27432	8.94	18.27	7.64	1444	
CLCJ-1	Coal Ck	11-05-2011 10:45:00	0.27432	8.9	18.36	7.64	1433	
CLCJ-1	Coal Ck	11-05-2011 11:00:00	0.27432	8.9	18.52	7.64	1433	
CLCJ-1	Coal Ck	11-05-2011 11:15:00	0.27432	8.91	18.63	7.65	1427	
CLCJ-1	Coal Ck	11-05-2011 11:30:00	0.27432	8.88	18.79	7.65	1428	
CLCJ-1	Coal Ck	11-05-2011 11:45:00	0.27432	8.87	19.03	7.66	1412	
CLCJ-1	Coal Ck	11-05-2011 12:00:00	0.27432	8.83	19.2	7.66	1406	
CLCJ-1	Coal Ck	11-05-2011 12:15:00	0.27432	8.8	19.27	7.65	1410	
CLCJ-1	Coal Ck	11-05-2011 12:30:00	0.27432	8.76	19.46	7.66	1408	
CLCJ-1	Coal Ck	11-05-2011 12:45:00	0.27432	8.74	19.6	7.66	1415	
CLCJ-1	Coal Ck	11-05-2011 13:00:00	0.27432	8.7	19.8	7.66	1410	
CLCJ-1	Coal Ck	11-05-2011 13:15:00	0.27432	8.67	19.94	7.66	1413	
CLCJ-1	Coal Ck	11-05-2011 13:30:00	0.27432	8.63	20.14	7.67	1404	
CLCJ-1	Coal Ck	11-05-2011 13:45:00	0.27432	8.61	20.3	7.67	1398	
CLCJ-1	Coal Ck	11-05-2011 14:00:00	0.27432	8.56	20.42	7.67	1404	
CLCJ-1	Coal Ck	11-05-2011 14:15:00	0.27432	8.54	20.53	7.68	1404	
CLCJ-1	Coal Ck	11-05-2011 14:30:00	0.27432	8.51	20.64	7.67	1414	
CLCJ-1	Coal Ck	11-05-2011 14:45:00	0.27432	8.48	20.71	7.67	1412	
CLCJ-1	Coal Ck	11-05-2011 15:00:00	0.27432	8.44	20.8	7.67	1408	
CLCJ-1	Coal Ck	11-05-2011 15:15:00	0.27432	8.42	20.91	7.68	1414	
CLCJ-1	Coal Ck	11-05-2011 15:30:00	0.27432	8.42	20.95	7.67	1414	
CLCJ-1	Coal Ck	11-05-2011 15:45:00	0.27432	8.36	20.97	7.67	1417	
CLCJ-1	Coal Ck	11-05-2011 16:00:00	0.27432	8.36	21.04	7.67	1422	
CLCJ-1	Coal Ck	11-05-2011 16:15:00	0.27432	8.33	21.07	7.65	1427	
CLCJ-1	Coal Ck	11-05-2011 16:30:00	0.27432	8.33	21.11	7.67	1421	
CLCJ-1	Coal Ck	11-05-2011 16:45:00	0.27432	8.32	21.11	7.67	1420	
CLCJ-1	Coal Ck	11-05-2011 17:00:00	0.27432	8.31	21.11	7.67	1417	
CLCJ-1	Coal Ck	11-05-2011 17:15:00	0.27432	8.29	21.11	7.67	1420	
CLCJ-1	Coal Ck	11-05-2011 17:30:00	0.27432	8.26	21.09	7.67	1429	
CLCJ-1	Coal Ck	11-05-2011 17:45:00	0.27432	8.24	21.07	7.66	1424	
CLCJ-1	Coal Ck	11-05-2011 18:00:00	0.27432	8.25	21.05	7.67	1431	
CLCJ-1	Coal Ck	11-05-2011 18:15:00	0.27432	8.23	21.02	7.67	1438	
CLCJ-1	Coal Ck	11-05-2011 18:30:00	0.27432	8.23	20.98	7.66	1440	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-1	Coal Ck	11-05-2011 18:45:00	0.27432	8.21	20.93	7.65	1446	
CLCJ-1	Coal Ck	11-05-2011 19:00:00	0.27432	8.2	20.86	7.65	1447	
CLCJ-1	Coal Ck	11-05-2011 19:15:00	0.27432	8.21	20.82	7.64	1451	
CLCJ-1	Coal Ck	11-05-2011 19:30:00	0.27432	8.23	20.76	7.65	1460	
CLCJ-1	Coal Ck	11-05-2011 19:45:00	0.27432	8.2	20.71	7.64	1466	
CLCJ-1	Coal Ck	11-05-2011 20:00:00	0.27432	8.21	20.65	7.65	1466	
CLCJ-1	Coal Ck	11-05-2011 20:15:00	0.27432	8.24	20.58	7.66	1472	
CLCJ-1	Coal Ck	11-05-2011 20:30:00	0.27432	8.2	20.53	7.65	1486	
CLCJ-1	Coal Ck	11-05-2011 20:45:00	0.27432	8.26	20.41	7.65	1493	
CLCJ-1	Coal Ck	11-05-2011 21:00:00	0.27432	8.23	20.35	7.66	1493	
CLCJ-1	Coal Ck	11-05-2011 21:15:00	0.27432	8.28	20.24	7.66	1492	
CLCJ-1	Coal Ck	11-05-2011 21:30:00	0.27432	8.27	20.16	7.67	1499	
CLCJ-1	Coal Ck	11-05-2011 21:45:00	0.27432	8.27	20.09	7.67	1505	
CLCJ-1	Coal Ck	11-05-2011 22:00:00	0.27432	8.29	20	7.67	1513	
CLCJ-1	Coal Ck	11-05-2011 22:15:00	0.27432	8.35	19.88	7.67	1519	
CLCJ-1	Coal Ck	11-05-2011 22:30:00	0.27432	8.33	19.81	7.67	1523	
CLCJ-1	Coal Ck	11-05-2011 22:45:00	0.27432	8.35	19.71	7.67	1529	
CLCJ-1	Coal Ck	11-05-2011 23:00:00	0.27432	8.33	19.65	7.65	1537	
CLCJ-1	Coal Ck	11-05-2011 23:15:00	0.27432	8.37	19.56	7.66	1544	
CLCJ-1	Coal Ck	11-05-2011 23:30:00	0.27432	8.38	19.46	7.67	1550	
CLCJ-1	Coal Ck	11-05-2011 23:45:00	0.27432	8.39	19.39	7.67	1558	
CLCJ-1	Coal Ck	12-05-2011 00:00:00	0.27432	8.43	19.32	7.67	1555	
CLCJ-1	Coal Ck	12-05-2011 00:15:00	0.27432	8.45	19.23	7.67	1559	
CLCJ-1	Coal Ck	12-05-2011 00:30:00	0.27432	8.46	19.14	7.68	1569	
CLCJ-1	Coal Ck	12-05-2011 00:45:00	0.27432	8.48	19.04	7.68	1577	
CLCJ-1	Coal Ck	12-05-2011 01:00:00	0.27432	8.47	18.99	7.68	1582	
CLCJ-1	Coal Ck	12-05-2011 01:15:00	0.27432	8.51	18.9	7.68	1588	
CLCJ-1	Coal Ck	12-05-2011 01:30:00	0.27432	8.5	18.83	7.68	1595	
CLCJ-1	Coal Ck	12-05-2011 01:45:00	0.27432	8.53	18.75	7.68	1603	
CLCJ-1	Coal Ck	12-05-2011 02:00:00	0.27432	8.49	18.72	7.68	1605	
CLCJ-1	Coal Ck	12-05-2011 02:15:00	0.27432	8.55	18.63	7.67	1605	
CLCJ-1	Coal Ck	12-05-2011 02:30:00	0.27432	8.57	18.54	7.68	1607	
CLCJ-1	Coal Ck	12-05-2011 02:45:00	0.27432	8.59	18.47	7.68	1613	
CLCJ-1	Coal Ck	12-05-2011 03:00:00	0.27432	8.61	18.4	7.68	1617	
CLCJ-1	Coal Ck	12-05-2011 03:15:00	0.27432	8.62	18.35	7.68	1626	
CLCJ-1	Coal Ck	12-05-2011 03:30:00	0.27432	8.63	18.28	7.68	1629	
CLCJ-1	Coal Ck	12-05-2011 03:45:00	0.27432	8.6	18.25	7.68	1634	
CLCJ-1	Coal Ck	12-05-2011 04:00:00	0.27432	8.65	18.15	7.68	1640	
CLCJ-1	Coal Ck	12-05-2011 04:15:00	0.27432	8.67	18.08	7.68	1644	
CLCJ-1	Coal Ck	12-05-2011 04:30:00	0.27432	8.68	18.02	7.68	1647	
CLCJ-1	Coal Ck	12-05-2011 04:45:00	0.27432	8.71	17.96	7.68	1650	
CLCJ-1	Coal Ck	12-05-2011 05:00:00	0.27432	8.73	17.89	7.68	1658	
CLCJ-1	Coal Ck	12-05-2011 05:15:00	0.27432	8.72	17.85	7.68	1660	
CLCJ-1	Coal Ck	12-05-2011 05:30:00	0.27432	8.75	17.78	7.68	1658	
CLCJ-1	Coal Ck	12-05-2011 05:45:00	0.27432	8.75	17.75	7.68	1660	
CLCJ-1	Coal Ck	12-05-2011 06:00:00	0.27432	8.78	17.69	7.67	1656	
CLCJ-1	Coal Ck	12-05-2011 06:15:00	0.27432	8.74	17.64	7.66	1656	
CLCJ-1	Coal Ck	12-05-2011 06:30:00	0.27432	8.78	17.59	7.66	1658	
CLCJ-1	Coal Ck	12-05-2011 06:45:00	0.27432	8.82	17.57	7.67	1657	
CLCJ-1	Coal Ck	12-05-2011 07:00:00	0.27432	8.8	17.54	7.67	1659	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-1	Coal Ck	12-05-2011 07:15:00	0.27432	8.87	17.53	7.68	1656	
CLCJ-1	Coal Ck	12-05-2011 07:30:00	0.27432	8.87	17.54	7.67	1651	
CLCJ-1	Coal Ck	12-05-2011 07:45:00	0.27432	8.88	17.58	7.67	1644	
CLCJ-1	Coal Ck	12-05-2011 08:00:00	0.27432	8.89	17.61	7.67	1629	
CLCJ-1	Coal Ck	12-05-2011 08:15:00	0.27432	8.88	17.65	7.67	1621	
CLCJ-1	Coal Ck	12-05-2011 08:30:00	0.27432	8.9	17.71	7.67	1617	
CLCJ-1	Coal Ck	12-05-2011 08:45:00	0.27432	8.92	17.77	7.67	1610	
CLCJ-1	Coal Ck	12-05-2011 09:00:00	0.27432	8.92	17.88	7.66	1606	
CLCJ-1	Coal Ck	12-05-2011 09:15:00	0.27432	8.88	17.92	7.66	1606	
CLCJ-1	Coal Ck	12-05-2011 09:30:00	0.27432	8.9	17.99	7.66	1596	
CLCJ-1	Coal Ck	12-05-2011 09:45:00	0.27432	8.9	18.11	7.65	1595	
CLCJ-1	Coal Ck	12-05-2011 10:00:00	0.27432	8.91	18.19	7.66	1591	
CLCJ-1	Coal Ck	12-05-2011 10:15:00	0.27432	8.91	18.29	7.66	1589	
CLCJ-1	Coal Ck	12-05-2011 10:30:00	0.27432	8.92	18.42	7.66	1566	
CLCJ-1	Coal Ck	12-05-2011 10:45:00	0.27432	8.88	18.46	7.66	1565	
CLCJ-1	Coal Ck	12-05-2011 11:00:00	0.27432	8.88	18.51	7.66	1561	
CLCJ-1	Coal Ck	12-05-2011 11:15:00	0.27432	8.88	18.66	7.66	1558	
CLCJ-1	Coal Ck	12-05-2011 11:30:00	0.27432	8.85	18.81	7.67	1551	
CLCJ-3	Coal Ck	09-05-2011 10:45:00	0.18288	9.4	17.78	7.05	1251	
CLCJ-3	Coal Ck	09-05-2011 11:00:00	0.18288	9.23	17.98	7.08	1249	
CLCJ-3	Coal Ck	09-05-2011 11:15:00	0.18288	9.14	18.12	7.1	1245	
CLCJ-3	Coal Ck	09-05-2011 11:30:00	0.18288	9.05	18.32	7.12	1243	
CLCJ-3	Coal Ck	09-05-2011 11:45:00	0.18288	8.99	18.37	7.12	1241	
CLCJ-3	Coal Ck	09-05-2011 12:00:00	0.18288	8.94	18.43	7.13	1238	
CLCJ-3	Coal Ck	09-05-2011 12:15:00	0.18288	8.91	18.56	7.14	1236	
CLCJ-3	Coal Ck	09-05-2011 12:30:00	0.18288	8.88	18.66	7.15	1234	
CLCJ-3	Coal Ck	09-05-2011 12:45:00	0.18288	8.85	18.75	7.15	1230	
CLCJ-3	Coal Ck	09-05-2011 13:00:00	0.18288	8.82	18.82	7.15	1227	
CLCJ-3	Coal Ck	09-05-2011 13:15:00	0.18288	8.79	18.94	7.15	1228	
CLCJ-3	Coal Ck	09-05-2011 13:30:00	0.18288	8.74	18.98	7.15	1226	
CLCJ-3	Coal Ck	09-05-2011 13:45:00	0.18288	8.71	18.9	7.15	1221	
CLCJ-3	Coal Ck	09-05-2011 14:00:00	0.18288	8.68	18.95	7.14	1221	
CLCJ-3	Coal Ck	09-05-2011 14:15:00	0.18288	8.64	19.01	7.14	1219	
CLCJ-3	Coal Ck	09-05-2011 14:30:00	0.18288	8.61	19.08	7.14	1217	
CLCJ-3	Coal Ck	09-05-2011 14:45:00	0.18288	8.59	19.15	7.14	1215	
CLCJ-3	Coal Ck	09-05-2011 15:00:00	0.18288	8.54	19.22	7.14	1212	
CLCJ-3	Coal Ck	09-05-2011 15:15:00	0.18288	8.5	19.28	7.14	1210	
CLCJ-3	Coal Ck	09-05-2011 15:30:00	0.18288	8.48	19.31	7.14	1207	
CLCJ-3	Coal Ck	09-05-2011 15:45:00	0.18288	8.42	19.35	7.13	1206	
CLCJ-3	Coal Ck	09-05-2011 16:00:00	0.18288	8.39	19.35	7.13	1203	
CLCJ-3	Coal Ck	09-05-2011 16:15:00	0.18288	8.34	19.4	7.13	1202	
CLCJ-3	Coal Ck	09-05-2011 16:30:00	0.18288	8.28	19.45	7.13	1201	
CLCJ-3	Coal Ck	09-05-2011 16:45:00	0.18288	8.27	19.48	7.13	1199	
CLCJ-3	Coal Ck	09-05-2011 17:00:00	0.18288	8.21	19.51	7.12	1199	
CLCJ-3	Coal Ck	09-05-2011 17:15:00	0.18288	8.19	19.53	7.12	1198	
CLCJ-3	Coal Ck	09-05-2011 17:30:00	0.18288	8.13	19.55	7.12	1198	
CLCJ-3	Coal Ck	09-05-2011 17:45:00	0.18288	8.1	19.56	7.12	1198	
CLCJ-3	Coal Ck	09-05-2011 18:00:00	0.18288	8.05	19.58	7.11	1198	
CLCJ-3	Coal Ck	09-05-2011 18:15:00	0.18288	8.03	19.58	7.11	1199	
CLCJ-3	Coal Ck	09-05-2011 18:30:00	0.18288	7.98	19.58	7.11	1200	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-3	Coal Ck	09-05-2011 18:45:00	0.18288	7.97	19.58	7.11	1201	
CLCJ-3	Coal Ck	09-05-2011 19:00:00	0.18288	7.93	19.57	7.1	1202	
CLCJ-3	Coal Ck	09-05-2011 19:15:00	0.18288	7.9	19.57	7.1	1203	
CLCJ-3	Coal Ck	09-05-2011 19:30:00	0.18288	7.88	19.56	7.1	1204	
CLCJ-3	Coal Ck	09-05-2011 19:45:00	0.18288	7.85	19.53	7.1	1206	
CLCJ-3	Coal Ck	09-05-2011 20:00:00	0.18288	7.81	19.51	7.09	1206	
CLCJ-3	Coal Ck	09-05-2011 20:15:00	0.18288	7.8	19.47	7.09	1209	
CLCJ-3	Coal Ck	09-05-2011 20:30:00	0.18288	7.77	19.44	7.09	1211	
CLCJ-3	Coal Ck	09-05-2011 20:45:00	0.18288	7.77	19.4	7.08	1213	
CLCJ-3	Coal Ck	09-05-2011 21:00:00	0.18288	7.75	19.37	7.08	1214	
CLCJ-3	Coal Ck	09-05-2011 21:15:00	0.18288	7.75	19.33	7.08	1217	
CLCJ-3	Coal Ck	09-05-2011 21:30:00	0.18288	7.76	19.29	7.08	1218	
CLCJ-3	Coal Ck	09-05-2011 21:45:00	0.18288	7.74	19.25	7.08	1220	
CLCJ-3	Coal Ck	09-05-2011 22:00:00	0.18288	7.73	19.21	7.08	1222	
CLCJ-3	Coal Ck	09-05-2011 22:15:00	0.18288	7.73	19.17	7.08	1223	
CLCJ-3	Coal Ck	09-05-2011 22:30:00	0.18288	7.72	19.12	7.08	1225	
CLCJ-3	Coal Ck	09-05-2011 22:45:00	0.18288	7.73	19.08	7.08	1226	
CLCJ-3	Coal Ck	09-05-2011 23:00:00	0.18288	7.74	19.03	7.08	1227	
CLCJ-3	Coal Ck	09-05-2011 23:15:00	0.18288	7.76	18.98	7.08	1228	
CLCJ-3	Coal Ck	09-05-2011 23:30:00	0.18288	7.73	18.93	7.08	1228	
CLCJ-3	Coal Ck	09-05-2011 23:45:00	0.18288	7.75	18.88	7.08	1229	
CLCJ-3	Coal Ck	10-05-2011 00:00:00	0.18288	7.75	18.83	7.08	1229	
CLCJ-3	Coal Ck	10-05-2011 00:15:00	0.18288	7.75	18.77	7.08	1230	
CLCJ-3	Coal Ck	10-05-2011 00:30:00	0.18288	7.79	18.72	7.08	1231	
CLCJ-3	Coal Ck	10-05-2011 00:45:00	0.18288	7.79	18.67	7.08	1231	
CLCJ-3	Coal Ck	10-05-2011 01:00:00	0.18288	7.78	18.6	7.08	1233	
CLCJ-3	Coal Ck	10-05-2011 01:15:00	0.18288	7.8	18.54	7.08	1235	
CLCJ-3	Coal Ck	10-05-2011 01:30:00	0.18288	7.79	18.47	7.07	1236	
CLCJ-3	Coal Ck	10-05-2011 01:45:00	0.18288	7.82	18.41	7.07	1237	
CLCJ-3	Coal Ck	10-05-2011 02:00:00	0.18288	7.84	18.34	7.08	1238	
CLCJ-3	Coal Ck	10-05-2011 02:15:00	0.18288	7.85	18.28	7.08	1240	
CLCJ-3	Coal Ck	10-05-2011 02:30:00	0.18288	7.85	18.21	7.08	1242	
CLCJ-3	Coal Ck	10-05-2011 02:45:00	0.18288	7.85	18.16	7.08	1244	
CLCJ-3	Coal Ck	10-05-2011 03:00:00	0.18288	7.89	18.08	7.08	1247	
CLCJ-3	Coal Ck	10-05-2011 03:15:00	0.18288	7.9	18.02	7.08	1249	
CLCJ-3	Coal Ck	10-05-2011 03:30:00	0.18288	7.94	17.95	7.08	1252	
CLCJ-3	Coal Ck	10-05-2011 03:45:00	0.18288	7.92	17.89	7.08	1254	
CLCJ-3	Coal Ck	10-05-2011 04:00:00	0.18288	7.96	17.84	7.09	1259	
CLCJ-3	Coal Ck	10-05-2011 04:15:00	0.18288	7.96	17.77	7.09	1261	
CLCJ-3	Coal Ck	10-05-2011 04:30:00	0.18288	7.98	17.7	7.09	1265	
CLCJ-3	Coal Ck	10-05-2011 04:45:00	0.18288	8.01	17.63	7.09	1269	
CLCJ-3	Coal Ck	10-05-2011 05:00:00	0.18288	8.02	17.57	7.09	1272	
CLCJ-3	Coal Ck	10-05-2011 05:15:00	0.18288	8.02	17.51	7.09	1274	
CLCJ-3	Coal Ck	10-05-2011 05:30:00	0.18288	8.06	17.44	7.1	1279	
CLCJ-3	Coal Ck	10-05-2011 05:45:00	0.18288	8.08	17.38	7.1	1282	
CLCJ-3	Coal Ck	10-05-2011 06:00:00	0.18288	8.09	17.32	7.1	1285	
CLCJ-3	Coal Ck	10-05-2011 06:15:00	0.18288	8.09	17.26	7.1	1287	
CLCJ-3	Coal Ck	10-05-2011 06:30:00	0.18288	8.15	17.2	7.11	1290	
CLCJ-3	Coal Ck	10-05-2011 06:45:00	0.18288	8.13	17.16	7.1	1293	
CLCJ-3	Coal Ck	10-05-2011 07:00:00	0.18288	8.18	17.13	7.11	1296	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-3	Coal Ck	10-05-2011 07:15:00	0.18288	8.17	17.12	7.11	1297	
CLCJ-3	Coal Ck	10-05-2011 07:30:00	0.18288	8.24	17.12	7.11	1302	
CLCJ-3	Coal Ck	10-05-2011 07:45:00	0.18288	8.25	17.14	7.11	1305	
CLCJ-3	Coal Ck	10-05-2011 08:00:00	0.18288	8.26	17.17	7.11	1307	
CLCJ-3	Coal Ck	10-05-2011 08:15:00	0.18288	8.3	17.22	7.12	1310	
CLCJ-3	Coal Ck	10-05-2011 08:30:00	0.18288	8.33	17.29	7.12	1313	
CLCJ-3	Coal Ck	10-05-2011 08:45:00	0.18288	8.35	17.38	7.12	1316	
CLCJ-3	Coal Ck	10-05-2011 09:00:00	0.18288	8.38	17.48	7.12	1318	
CLCJ-3	Coal Ck	10-05-2011 09:15:00	0.18288	8.4	17.59	7.12	1320	
CLCJ-3	Coal Ck	10-05-2011 09:30:00	0.18288	8.43	17.68	7.12	1322	
CLCJ-3	Coal Ck	10-05-2011 09:45:00	0.18288	8.44	17.8	7.13	1323	
CLCJ-3	Coal Ck	10-05-2011 10:00:00	0.18288	8.46	17.97	7.13	1324	
CLCJ-3	Coal Ck	10-05-2011 10:15:00	0.18288	8.5	18.09	7.14	1324	
CLCJ-3	Coal Ck	10-05-2011 10:30:00	0.18288	8.52	18.26	7.14	1322	
CLCJ-3	Coal Ck	10-05-2011 10:45:00	0.18288	8.55	18.44	7.14	1322	
CLCJ-3	Coal Ck	10-05-2011 11:00:00	0.18288	8.58	18.64	7.14	1321	
CLCJ-3	Coal Ck	10-05-2011 11:15:00	0.18288	8.6	18.84	7.15	1321	
CLCJ-3	Coal Ck	10-05-2011 11:30:00	0.18288	8.6	19.02	7.15	1321	
CLCJ-3	Coal Ck	10-05-2011 11:45:00	0.18288	8.64	19.17	7.15	1319	
CLCJ-3	Coal Ck	10-05-2011 12:00:00	0.18288	8.62	19.31	7.16	1319	
CLCJ-3	Coal Ck	10-05-2011 12:15:00	0.18288	8.6	19.39	7.16	1317	
CLCJ-3	Coal Ck	10-05-2011 12:30:00	0.18288	8.61	19.49	7.16	1316	
CLCJ-3	Coal Ck	10-05-2011 12:45:00	0.18288	8.57	19.48	7.16	1313	
CLCJ-3	Coal Ck	10-05-2011 13:00:00	0.18288	8.58	19.59	7.16	1313	
CLCJ-3	Coal Ck	10-05-2011 13:15:00	0.18288	8.56	19.67	7.16	1311	
CLCJ-3	Coal Ck	10-05-2011 13:30:00	0.18288	8.55	19.75	7.16	1310	
CLCJ-3	Coal Ck	10-05-2011 13:45:00	0.18288	8.52	19.78	7.16	1309	
CLCJ-3	Coal Ck	10-05-2011 14:00:00	0.18288	8.48	19.85	7.15	1306	
CLCJ-3	Coal Ck	10-05-2011 14:15:00	0.18288	8.46	19.87	7.15	1306	
CLCJ-3	Coal Ck	10-05-2011 14:30:00	0.18288	8.42	19.91	7.15	1304	
CLCJ-3	Coal Ck	10-05-2011 14:45:00	0.18288	8.4	19.93	7.15	1301	
CLCJ-3	Coal Ck	10-05-2011 15:00:00	0.18288	8.37	19.95	7.15	1297	
CLCJ-3	Coal Ck	10-05-2011 15:15:00	0.18288	8.32	19.98	7.15	1295	
CLCJ-3	Coal Ck	10-05-2011 15:30:00	0.18288	8.29	20.01	7.14	1293	
CLCJ-3	Coal Ck	10-05-2011 15:45:00	0.18288	8.22	20.03	7.14	1291	
CLCJ-3	Coal Ck	10-05-2011 16:00:00	0.18288	8.16	20.03	7.13	1288	
CLCJ-3	Coal Ck	10-05-2011 16:15:00	0.18288	8.12	20.04	7.13	1284	
CLCJ-3	Coal Ck	10-05-2011 16:30:00	0.18288	8.07	20.05	7.13	1281	
CLCJ-3	Coal Ck	10-05-2011 16:45:00	0.18288	8.03	20.07	7.13	1278	
CLCJ-3	Coal Ck	10-05-2011 17:00:00	0.18288	8.01	20.1	7.13	1276	
CLCJ-3	Coal Ck	10-05-2011 17:15:00	0.18288	7.96	20.12	7.12	1275	
CLCJ-3	Coal Ck	10-05-2011 17:30:00	0.18288	7.93	20.13	7.12	1273	
CLCJ-3	Coal Ck	10-05-2011 17:45:00	0.18288	7.91	20.14	7.12	1272	
CLCJ-3	Coal Ck	10-05-2011 18:00:00	0.18288	7.88	20.15	7.12	1270	
CLCJ-3	Coal Ck	10-05-2011 18:15:00	0.18288	7.84	20.16	7.11	1270	
CLCJ-3	Coal Ck	10-05-2011 18:30:00	0.18288	7.83	20.16	7.11	1270	
CLCJ-3	Coal Ck	10-05-2011 18:45:00	0.18288	7.79	20.17	7.11	1270	
CLCJ-3	Coal Ck	10-05-2011 19:00:00	0.18288	7.77	20.17	7.1	1270	
CLCJ-3	Coal Ck	10-05-2011 19:15:00	0.18288	7.73	20.16	7.1	1270	
CLCJ-3	Coal Ck	10-05-2011 19:30:00	0.18288	7.71	20.15	7.1	1270	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-3	Coal Ck	10-05-2011 19:45:00	0.18288	7.7	20.13	7.09	1271	
CLCJ-3	Coal Ck	10-05-2011 20:00:00	0.18288	7.66	20.11	7.09	1271	
CLCJ-3	Coal Ck	10-05-2011 20:15:00	0.18288	7.65	20.08	7.09	1272	
CLCJ-3	Coal Ck	10-05-2011 20:30:00	0.18288	7.64	20.04	7.08	1273	
CLCJ-3	Coal Ck	10-05-2011 20:45:00	0.18288	7.63	20	7.08	1275	
CLCJ-3	Coal Ck	10-05-2011 21:00:00	0.18288	7.63	19.96	7.08	1275	
CLCJ-3	Coal Ck	10-05-2011 21:15:00	0.18288	7.63	19.92	7.07	1276	
CLCJ-3	Coal Ck	10-05-2011 21:30:00	0.18288	7.59	19.88	7.08	1278	
CLCJ-3	Coal Ck	10-05-2011 21:45:00	0.18288	7.61	19.83	7.07	1279	
CLCJ-3	Coal Ck	10-05-2011 22:00:00	0.18288	7.59	19.78	7.07	1280	
CLCJ-3	Coal Ck	10-05-2011 22:15:00	0.18288	7.62	19.73	7.07	1280	
CLCJ-3	Coal Ck	10-05-2011 22:30:00	0.18288	7.61	19.68	7.07	1283	
CLCJ-3	Coal Ck	10-05-2011 22:45:00	0.18288	7.62	19.62	7.07	1285	
CLCJ-3	Coal Ck	10-05-2011 23:00:00	0.18288	7.61	19.57	7.07	1286	
CLCJ-3	Coal Ck	10-05-2011 23:15:00	0.18288	7.62	19.52	7.07	1288	
CLCJ-3	Coal Ck	10-05-2011 23:30:00	0.18288	7.62	19.48	7.07	1290	
CLCJ-3	Coal Ck	10-05-2011 23:45:00	0.18288	7.63	19.41	7.07	1291	
CLCJ-3	Coal Ck	11-05-2011 00:00:00	0.18288	7.63	19.35	7.07	1292	
CLCJ-3	Coal Ck	11-05-2011 00:15:00	0.18288	7.62	19.29	7.06	1293	
CLCJ-3	Coal Ck	11-05-2011 00:30:00	0.18288	7.63	19.25	7.06	1292	
CLCJ-3	Coal Ck	11-05-2011 00:45:00	0.18288	7.67	19.18	7.07	1292	
CLCJ-3	Coal Ck	11-05-2011 01:00:00	0.18288	7.67	19.11	7.06	1294	
CLCJ-3	Coal Ck	11-05-2011 01:15:00	0.18288	7.7	19.05	7.06	1295	
CLCJ-3	Coal Ck	11-05-2011 01:30:00	0.18288	7.7	18.98	7.06	1295	
CLCJ-3	Coal Ck	11-05-2011 01:45:00	0.18288	7.71	18.92	7.06	1295	
CLCJ-3	Coal Ck	11-05-2011 02:00:00	0.18288	7.74	18.85	7.06	1296	
CLCJ-3	Coal Ck	11-05-2011 02:15:00	0.18288	7.77	18.78	7.07	1297	
CLCJ-3	Coal Ck	11-05-2011 02:30:00	0.18288	7.76	18.72	7.07	1298	
CLCJ-3	Coal Ck	11-05-2011 02:45:00	0.18288	7.78	18.65	7.06	1299	
CLCJ-3	Coal Ck	11-05-2011 03:00:00	0.18288	7.78	18.59	7.06	1301	
CLCJ-3	Coal Ck	11-05-2011 03:15:00	0.18288	7.79	18.52	7.06	1303	
CLCJ-3	Coal Ck	11-05-2011 03:30:00	0.18288	7.8	18.46	7.06	1305	
CLCJ-3	Coal Ck	11-05-2011 03:45:00	0.18288	7.84	18.39	7.06	1307	
CLCJ-3	Coal Ck	11-05-2011 04:00:00	0.18288	7.85	18.32	7.07	1309	
CLCJ-3	Coal Ck	11-05-2011 04:15:00	0.18288	7.87	18.27	7.07	1311	
CLCJ-3	Coal Ck	11-05-2011 04:30:00	0.18288	7.89	18.19	7.07	1314	
CLCJ-3	Coal Ck	11-05-2011 04:45:00	0.18288	7.91	18.12	7.07	1317	
CLCJ-3	Coal Ck	11-05-2011 05:00:00	0.18288	7.91	18.07	7.07	1319	
CLCJ-3	Coal Ck	11-05-2011 05:15:00	0.18288	7.94	18.01	7.07	1322	
CLCJ-3	Coal Ck	11-05-2011 05:30:00	0.18288	7.94	17.95	7.07	1324	
CLCJ-3	Coal Ck	11-05-2011 05:45:00	0.18288	7.98	17.87	7.08	1329	
CLCJ-3	Coal Ck	11-05-2011 06:00:00	0.18288	8	17.81	7.08	1332	
CLCJ-3	Coal Ck	11-05-2011 06:15:00	0.18288	7.98	17.75	7.08	1334	
CLCJ-3	Coal Ck	11-05-2011 06:30:00	0.18288	8.02	17.7	7.08	1338	
CLCJ-3	Coal Ck	11-05-2011 06:45:00	0.18288	8.04	17.66	7.08	1341	
CLCJ-3	Coal Ck	11-05-2011 07:00:00	0.18288	8.05	17.62	7.08	1345	
CLCJ-3	Coal Ck	11-05-2011 07:15:00	0.18288	8.06	17.61	7.08	1346	
CLCJ-3	Coal Ck	11-05-2011 07:30:00	0.18288	8.08	17.61	7.08	1351	
CLCJ-3	Coal Ck	11-05-2011 07:45:00	0.18288	8.12	17.63	7.08	1355	
CLCJ-3	Coal Ck	11-05-2011 08:00:00	0.18288	8.16	17.66	7.09	1359	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-3	Coal Ck	11-05-2011 08:15:00	0.18288	8.18	17.71	7.09	1363	
CLCJ-3	Coal Ck	11-05-2011 08:30:00	0.18288	8.21	17.77	7.09	1367	
CLCJ-3	Coal Ck	11-05-2011 08:45:00	0.18288	8.21	17.84	7.09	1369	
CLCJ-3	Coal Ck	11-05-2011 09:00:00	0.18288	8.26	17.95	7.1	1373	
CLCJ-3	Coal Ck	11-05-2011 09:15:00	0.18288	8.28	18.07	7.1	1376	
CLCJ-3	Coal Ck	11-05-2011 09:30:00	0.18288	8.32	18.2	7.1	1378	
CLCJ-3	Coal Ck	11-05-2011 09:45:00	0.18288	8.35	18.31	7.11	1381	
CLCJ-3	Coal Ck	11-05-2011 10:00:00	0.18288	8.35	18.44	7.11	1384	
CLCJ-3	Coal Ck	11-05-2011 10:15:00	0.18288	8.37	18.57	7.11	1388	
CLCJ-3	Coal Ck	11-05-2011 10:30:00	0.18288	8.4	18.74	7.12	1390	
CLCJ-3	Coal Ck	11-05-2011 10:45:00	0.18288	8.45	18.93	7.12	1392	
CLCJ-3	Coal Ck	11-05-2011 11:00:00	0.18288	8.42	19.1	7.13	1394	
CLCJ-3	Coal Ck	11-05-2011 11:15:00	0.18288	8.52	19.32	7.13	1395	
CLCJ-3	Coal Ck	11-05-2011 11:30:00	0.18288	8.54	19.48	7.14	1398	
CLCJ-3	Coal Ck	11-05-2011 11:45:00	0.18288	8.54	19.64	7.13	1398	
CLCJ-3	Coal Ck	11-05-2011 12:00:00	0.18288	8.55	19.8	7.14	1398	
CLCJ-3	Coal Ck	11-05-2011 12:15:00	0.18288	8.57	19.89	7.14	1402	
CLCJ-3	Coal Ck	11-05-2011 12:30:00	0.18288	8.57	19.96	7.15	1402	
CLCJ-3	Coal Ck	11-05-2011 12:45:00	0.18288	8.53	20.07	7.15	1402	
CLCJ-3	Coal Ck	11-05-2011 13:00:00	0.18288	8.53	20.17	7.15	1403	
CLCJ-3	Coal Ck	11-05-2011 13:15:00	0.18288	8.53	20.26	7.15	1404	
CLCJ-3	Coal Ck	11-05-2011 13:30:00	0.18288	8.5	20.36	7.15	1404	
CLCJ-3	Coal Ck	11-05-2011 13:45:00	0.18288	8.49	20.34	7.15	1404	
CLCJ-3	Coal Ck	11-05-2011 14:00:00	0.18288	8.43	20.4	7.14	1403	
CLCJ-3	Coal Ck	11-05-2011 14:15:00	0.18288	8.41	20.42	7.14	1403	
CLCJ-3	Coal Ck	11-05-2011 14:30:00	0.18288	8.39	20.38	7.14	1400	
CLCJ-3	Coal Ck	11-05-2011 14:45:00	0.18288	8.35	20.42	7.14	1398	
CLCJ-3	Coal Ck	11-05-2011 15:00:00	0.18288	8.31	20.41	7.14	1396	
CLCJ-3	Coal Ck	11-05-2011 15:15:00	0.18288	8.27	20.51	7.14	1393	
CLCJ-3	Coal Ck	11-05-2011 15:30:00	0.18288	8.23	20.44	7.14	1391	
CLCJ-3	Coal Ck	11-05-2011 15:45:00	0.18288	8.18	20.46	7.14	1389	
CLCJ-3	Coal Ck	11-05-2011 16:00:00	0.18288	8.12	20.47	7.13	1386	
CLCJ-3	Coal Ck	11-05-2011 16:15:00	0.18288	8.06	20.51	7.13	1384	
CLCJ-3	Coal Ck	11-05-2011 16:30:00	0.18288	8.02	20.51	7.13	1382	
CLCJ-3	Coal Ck	11-05-2011 16:45:00	0.18288	7.99	20.52	7.13	1379	
CLCJ-3	Coal Ck	11-05-2011 17:00:00	0.18288	7.95	20.53	7.13	1377	
CLCJ-3	Coal Ck	11-05-2011 17:15:00	0.18288	7.91	20.54	7.13	1375	
CLCJ-3	Coal Ck	11-05-2011 17:30:00	0.18288	7.87	20.55	7.12	1373	
CLCJ-3	Coal Ck	11-05-2011 17:45:00	0.18288	7.84	20.55	7.12	1371	
CLCJ-3	Coal Ck	11-05-2011 18:00:00	0.18288	7.77	20.56	7.12	1370	
CLCJ-3	Coal Ck	11-05-2011 18:15:00	0.18288	7.77	20.56	7.11	1368	
CLCJ-3	Coal Ck	11-05-2011 18:30:00	0.18288	7.75	20.55	7.11	1367	
CLCJ-3	Coal Ck	11-05-2011 18:45:00	0.18288	7.72	20.55	7.11	1366	
CLCJ-3	Coal Ck	11-05-2011 19:00:00	0.18288	7.68	20.55	7.1	1365	
CLCJ-3	Coal Ck	11-05-2011 19:15:00	0.18288	7.66	20.54	7.1	1364	
CLCJ-3	Coal Ck	11-05-2011 19:30:00	0.18288	7.62	20.52	7.09	1365	
CLCJ-3	Coal Ck	11-05-2011 19:45:00	0.18288	7.6	20.51	7.09	1365	
CLCJ-3	Coal Ck	11-05-2011 20:00:00	0.18288	7.59	20.48	7.09	1365	
CLCJ-3	Coal Ck	11-05-2011 20:15:00	0.18288	7.52	20.45	7.08	1364	
CLCJ-3	Coal Ck	11-05-2011 20:30:00	0.18288	7.56	20.4	7.08	1364	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-3	Coal Ck	11-05-2011 20:45:00	0.18288	7.55	20.37	7.08	1364	
CLCJ-3	Coal Ck	11-05-2011 21:00:00	0.18288	7.54	20.33	7.08	1365	
CLCJ-3	Coal Ck	11-05-2011 21:15:00	0.18288	7.5	20.28	7.08	1366	
CLCJ-3	Coal Ck	11-05-2011 21:30:00	0.18288	7.5	20.23	7.08	1367	
CLCJ-3	Coal Ck	11-05-2011 21:45:00	0.18288	7.53	20.17	7.08	1367	
CLCJ-3	Coal Ck	11-05-2011 22:00:00	0.18288	7.52	20.12	7.08	1368	
CLCJ-3	Coal Ck	11-05-2011 22:15:00	0.18288	7.51	20.06	7.07	1368	
CLCJ-3	Coal Ck	11-05-2011 22:30:00	0.18288	7.51	20.01	7.08	1369	
CLCJ-3	Coal Ck	11-05-2011 22:45:00	0.18288	7.52	19.95	7.07	1372	
CLCJ-3	Coal Ck	11-05-2011 23:00:00	0.18288	7.49	19.9	7.07	1374	
CLCJ-3	Coal Ck	11-05-2011 23:15:00	0.18288	7.53	19.84	7.07	1375	
CLCJ-3	Coal Ck	11-05-2011 23:30:00	0.18288	7.52	19.77	7.07	1376	
CLCJ-3	Coal Ck	11-05-2011 23:45:00	0.18288	7.55	19.72	7.07	1377	
CLCJ-3	Coal Ck	12-05-2011 00:00:00	0.18288	7.53	19.66	7.07	1377	
CLCJ-3	Coal Ck	12-05-2011 00:15:00	0.18288	7.56	19.59	7.07	1378	
CLCJ-3	Coal Ck	12-05-2011 00:30:00	0.18288	7.57	19.54	7.07	1379	
CLCJ-3	Coal Ck	12-05-2011 00:45:00	0.18288	7.58	19.47	7.07	1380	
CLCJ-3	Coal Ck	12-05-2011 01:00:00	0.18288	7.58	19.41	7.07	1380	
CLCJ-3	Coal Ck	12-05-2011 01:15:00	0.18288	7.61	19.34	7.07	1379	
CLCJ-3	Coal Ck	12-05-2011 01:30:00	0.18288	7.64	19.28	7.07	1380	
CLCJ-3	Coal Ck	12-05-2011 01:45:00	0.18288	7.62	19.22	7.07	1380	
CLCJ-3	Coal Ck	12-05-2011 02:00:00	0.18288	7.64	19.17	7.07	1380	
CLCJ-3	Coal Ck	12-05-2011 02:15:00	0.18288	7.65	19.1	7.07	1381	
CLCJ-3	Coal Ck	12-05-2011 02:30:00	0.18288	7.68	19.04	7.07	1381	
CLCJ-3	Coal Ck	12-05-2011 02:45:00	0.18288	7.67	18.98	7.07	1381	
CLCJ-3	Coal Ck	12-05-2011 03:00:00	0.18288	7.68	18.92	7.07	1381	
CLCJ-3	Coal Ck	12-05-2011 03:15:00	0.18288	7.68	18.86	7.07	1382	
CLCJ-3	Coal Ck	12-05-2011 03:30:00	0.18288	7.72	18.79	7.06	1383	
CLCJ-3	Coal Ck	12-05-2011 03:45:00	0.18288	7.72	18.74	7.07	1383	
CLCJ-3	Coal Ck	12-05-2011 04:00:00	0.18288	7.74	18.66	7.07	1384	
CLCJ-3	Coal Ck	12-05-2011 04:15:00	0.18288	7.76	18.6	7.07	1385	
CLCJ-3	Coal Ck	12-05-2011 04:30:00	0.18288	7.79	18.54	7.07	1388	
CLCJ-3	Coal Ck	12-05-2011 04:45:00	0.18288	7.81	18.47	7.07	1390	
CLCJ-3	Coal Ck	12-05-2011 05:00:00	0.18288	7.79	18.42	7.07	1390	
CLCJ-3	Coal Ck	12-05-2011 05:15:00	0.18288	7.8	18.34	7.07	1393	
CLCJ-3	Coal Ck	12-05-2011 05:30:00	0.18288	7.81	18.28	7.07	1396	
CLCJ-3	Coal Ck	12-05-2011 05:45:00	0.18288	7.85	18.22	7.07	1398	
CLCJ-3	Coal Ck	12-05-2011 06:00:00	0.18288	7.87	18.16	7.07	1401	
CLCJ-3	Coal Ck	12-05-2011 06:15:00	0.18288	7.88	18.11	7.07	1403	
CLCJ-3	Coal Ck	12-05-2011 06:30:00	0.18288	7.92	18.06	7.08	1405	
CLCJ-3	Coal Ck	12-05-2011 06:45:00	0.18288	7.91	18.01	7.08	1407	
CLCJ-3	Coal Ck	12-05-2011 07:00:00	0.18288	7.96	17.97	7.08	1410	
CLCJ-3	Coal Ck	12-05-2011 07:15:00	0.18288	7.96	17.95	7.08	1412	
CLCJ-3	Coal Ck	12-05-2011 07:30:00	0.18288	7.95	17.94	7.08	1415	
CLCJ-3	Coal Ck	12-05-2011 07:45:00	0.18288	8	17.95	7.08	1419	
CLCJ-3	Coal Ck	12-05-2011 08:00:00	0.18288	8.06	17.95	7.08	1423	
CLCJ-3	Coal Ck	12-05-2011 08:15:00	0.18288	8.06	17.97	7.08	1426	
CLCJ-3	Coal Ck	12-05-2011 08:30:00	0.18288	8.07	17.99	7.08	1429	
CLCJ-3	Coal Ck	12-05-2011 08:45:00	0.18288	8.12	18.06	7.09	1433	
CLCJ-3	Coal Ck	12-05-2011 09:00:00	0.18288	8.15	18.13	7.09	1437	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-3	Coal Ck	12-05-2011 09:15:00	0.18288	8.18	18.18	7.09	1441	
CLCJ-3	Coal Ck	12-05-2011 09:30:00	0.18288	8.19	18.28	7.09	1443	
CLCJ-3	Coal Ck	12-05-2011 09:45:00	0.18288	8.23	18.36	7.1	1447	
CLCJ-3	Coal Ck	12-05-2011 10:00:00	0.18288	8.27	18.46	7.1	1450	
CLCJ-3	Coal Ck	12-05-2011 10:15:00	0.18288	8.29	18.6	7.1	1452	
CLCJ-3	Coal Ck	12-05-2011 10:30:00	0.18288	8.3	18.72	7.11	1456	
CLCJ-3	Coal Ck	12-05-2011 10:45:00	0.18288	8.35	18.82	7.11	1460	
CLCJ-4	Coal Ck	09-05-2011 11:15:00	0.16764	9.11	18.08	7.3	1124	
CLCJ-4	Coal Ck	09-05-2011 11:30:00	0.16764	9.13	18.31	7.36	1128	
CLCJ-4	Coal Ck	09-05-2011 11:45:00	0.16764	9.13	18.55	7.4	1131	
CLCJ-4	Coal Ck	09-05-2011 12:00:00	0.16764	9.12	18.77	7.42	1134	
CLCJ-4	Coal Ck	09-05-2011 12:15:00	0.16764	9.1	18.99	7.45	1136	
CLCJ-4	Coal Ck	09-05-2011 12:30:00	0.16764	9.11	19.18	7.46	1138	
CLCJ-4	Coal Ck	09-05-2011 12:45:00	0.16764	9.09	19.38	7.47	1140	
CLCJ-4	Coal Ck	09-05-2011 13:00:00	0.16764	9.07	19.59	7.48	1143	
CLCJ-4	Coal Ck	09-05-2011 13:15:00	0.16764	9.08	19.81	7.49	1146	
CLCJ-4	Coal Ck	09-05-2011 13:30:00	0.16764	9.05	20.01	7.5	1148	
CLCJ-4	Coal Ck	09-05-2011 13:45:00	0.16764	9.03	20.14	7.5	1149	
CLCJ-4	Coal Ck	09-05-2011 14:00:00	0.16764	8.98	20.29	7.51	1153	
CLCJ-4	Coal Ck	09-05-2011 14:15:00	0.16764	8.94	20.41	7.51	1154	
CLCJ-4	Coal Ck	09-05-2011 14:30:00	0.16764	8.91	20.48	7.52	1157	
CLCJ-4	Coal Ck	09-05-2011 14:45:00	0.16764	8.88	20.57	7.52	1158	
CLCJ-4	Coal Ck	09-05-2011 15:00:00	0.16764	8.86	20.65	7.52	1160	
CLCJ-4	Coal Ck	09-05-2011 15:15:00	0.16764	8.8	20.69	7.52	1161	
CLCJ-4	Coal Ck	09-05-2011 15:30:00	0.16764	8.78	20.7	7.52	1162	
CLCJ-4	Coal Ck	09-05-2011 15:45:00	0.16764	8.74	20.73	7.52	1163	
CLCJ-4	Coal Ck	09-05-2011 16:00:00	0.16764	8.69	20.77	7.52	1164	
CLCJ-4	Coal Ck	09-05-2011 16:15:00	0.16764	8.67	20.83	7.52	1165	
CLCJ-4	Coal Ck	09-05-2011 16:30:00	0.16764	8.64	20.89	7.52	1165	
CLCJ-4	Coal Ck	09-05-2011 16:45:00	0.16764	8.59	20.96	7.52	1165	
CLCJ-4	Coal Ck	09-05-2011 17:00:00	0.16764	8.58	20.99	7.52	1166	
CLCJ-4	Coal Ck	09-05-2011 17:15:00	0.16764	8.51	21.02	7.51	1166	
CLCJ-4	Coal Ck	09-05-2011 17:30:00	0.16764	8.49	21.03	7.52	1165	
CLCJ-4	Coal Ck	09-05-2011 17:45:00	0.16764	8.45	21.02	7.51	1165	
CLCJ-4	Coal Ck	09-05-2011 18:00:00	0.16764	8.42	21	7.51	1164	
CLCJ-4	Coal Ck	09-05-2011 18:15:00	0.16764	8.37	20.94	7.5	1164	
CLCJ-4	Coal Ck	09-05-2011 18:30:00	0.16764	8.36	20.86	7.5	1163	
CLCJ-4	Coal Ck	09-05-2011 18:45:00	0.16764	8.32	20.77	7.49	1161	
CLCJ-4	Coal Ck	09-05-2011 19:00:00	0.16764	8.29	20.68	7.49	1160	
CLCJ-4	Coal Ck	09-05-2011 19:15:00	0.16764	8.29	20.56	7.48	1159	
CLCJ-4	Coal Ck	09-05-2011 19:30:00	0.16764	8.26	20.46	7.47	1157	
CLCJ-4	Coal Ck	09-05-2011 19:45:00	0.16764	8.22	20.34	7.47	1156	
CLCJ-4	Coal Ck	09-05-2011 20:00:00	0.16764	8.23	20.24	7.47	1155	
CLCJ-4	Coal Ck	09-05-2011 20:15:00	0.16764	8.19	20.14	7.47	1153	
CLCJ-4	Coal Ck	09-05-2011 20:30:00	0.16764	8.18	20.03	7.47	1151	
CLCJ-4	Coal Ck	09-05-2011 20:45:00	0.16764	8.18	19.94	7.47	1149	
CLCJ-4	Coal Ck	09-05-2011 21:00:00	0.16764	8.18	19.85	7.47	1148	
CLCJ-4	Coal Ck	09-05-2011 21:15:00	0.16764	8.16	19.76	7.47	1147	
CLCJ-4	Coal Ck	09-05-2011 21:30:00	0.16764	8.17	19.68	7.47	1146	
CLCJ-4	Coal Ck	09-05-2011 21:45:00	0.16764	8.14	19.58	7.46	1145	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-4	Coal Ck	09-05-2011 22:00:00	0.16764	8.16	19.49	7.46	1143	
CLCJ-4	Coal Ck	09-05-2011 22:15:00	0.16764	8.16	19.4	7.46	1142	
CLCJ-4	Coal Ck	09-05-2011 22:30:00	0.16764	8.16	19.32	7.46	1140	
CLCJ-4	Coal Ck	09-05-2011 22:45:00	0.16764	8.17	19.23	7.46	1139	
CLCJ-4	Coal Ck	09-05-2011 23:00:00	0.16764	8.16	19.16	7.46	1138	
CLCJ-4	Coal Ck	09-05-2011 23:15:00	0.16764	8.17	19.06	7.46	1136	
CLCJ-4	Coal Ck	09-05-2011 23:30:00	0.16764	8.19	18.97	7.46	1135	
CLCJ-4	Coal Ck	09-05-2011 23:45:00	0.16764	8.19	18.89	7.46	1133	
CLCJ-4	Coal Ck	10-05-2011 00:00:00	0.16764	8.21	18.81	7.46	1132	
CLCJ-4	Coal Ck	10-05-2011 00:15:00	0.16764	8.2	18.74	7.45	1131	
CLCJ-4	Coal Ck	10-05-2011 00:30:00	0.16764	8.23	18.64	7.46	1130	
CLCJ-4	Coal Ck	10-05-2011 00:45:00	0.16764	8.23	18.56	7.45	1129	
CLCJ-4	Coal Ck	10-05-2011 01:00:00	0.16764	8.25	18.48	7.45	1128	
CLCJ-4	Coal Ck	10-05-2011 01:15:00	0.16764	8.25	18.41	7.45	1126	
CLCJ-4	Coal Ck	10-05-2011 01:30:00	0.16764	8.27	18.32	7.46	1126	
CLCJ-4	Coal Ck	10-05-2011 01:45:00	0.16764	8.29	18.25	7.45	1125	
CLCJ-4	Coal Ck	10-05-2011 02:00:00	0.16764	8.3	18.17	7.45	1125	
CLCJ-4	Coal Ck	10-05-2011 02:15:00	0.16764	8.32	18.09	7.45	1125	
CLCJ-4	Coal Ck	10-05-2011 02:30:00	0.16764	8.31	18.02	7.45	1124	
CLCJ-4	Coal Ck	10-05-2011 02:45:00	0.16764	8.32	17.96	7.45	1124	
CLCJ-4	Coal Ck	10-05-2011 03:00:00	0.16764	8.34	17.88	7.45	1124	
CLCJ-4	Coal Ck	10-05-2011 03:15:00	0.16764	8.36	17.82	7.45	1125	
CLCJ-4	Coal Ck	10-05-2011 03:30:00	0.16764	8.38	17.76	7.45	1125	
CLCJ-4	Coal Ck	10-05-2011 03:45:00	0.16764	8.38	17.7	7.45	1125	
CLCJ-4	Coal Ck	10-05-2011 04:00:00	0.16764	8.39	17.63	7.45	1126	
CLCJ-4	Coal Ck	10-05-2011 04:15:00	0.16764	8.39	17.57	7.45	1126	
CLCJ-4	Coal Ck	10-05-2011 04:30:00	0.16764	8.42	17.51	7.45	1127	
CLCJ-4	Coal Ck	10-05-2011 04:45:00	0.16764	8.43	17.45	7.45	1128	
CLCJ-4	Coal Ck	10-05-2011 05:00:00	0.16764	8.43	17.38	7.45	1128	
CLCJ-4	Coal Ck	10-05-2011 05:15:00	0.16764	8.46	17.32	7.45	1129	
CLCJ-4	Coal Ck	10-05-2011 05:30:00	0.16764	8.46	17.26	7.45	1130	
CLCJ-4	Coal Ck	10-05-2011 05:45:00	0.16764	8.47	17.2	7.45	1132	
CLCJ-4	Coal Ck	10-05-2011 06:00:00	0.16764	8.48	17.15	7.45	1133	
CLCJ-4	Coal Ck	10-05-2011 06:15:00	0.16764	8.5	17.09	7.45	1135	
CLCJ-4	Coal Ck	10-05-2011 06:30:00	0.16764	8.51	17.04	7.45	1136	
CLCJ-4	Coal Ck	10-05-2011 06:45:00	0.16764	8.52	16.99	7.45	1137	
CLCJ-4	Coal Ck	10-05-2011 07:00:00	0.16764	8.55	16.95	7.46	1137	
CLCJ-4	Coal Ck	10-05-2011 07:15:00	0.16764	8.57	16.92	7.46	1139	
CLCJ-4	Coal Ck	10-05-2011 07:30:00	0.16764	8.58	16.91	7.46	1141	
CLCJ-4	Coal Ck	10-05-2011 07:45:00	0.16764	8.59	16.9	7.46	1142	
CLCJ-4	Coal Ck	10-05-2011 08:00:00	0.16764	8.63	16.92	7.46	1144	
CLCJ-4	Coal Ck	10-05-2011 08:15:00	0.16764	8.63	16.95	7.46	1145	
CLCJ-4	Coal Ck	10-05-2011 08:30:00	0.16764	8.65	17	7.46	1147	
CLCJ-4	Coal Ck	10-05-2011 08:45:00	0.16764	8.67	17.05	7.46	1148	
CLCJ-4	Coal Ck	10-05-2011 09:00:00	0.16764	8.7	17.14	7.47	1149	
CLCJ-4	Coal Ck	10-05-2011 09:15:00	0.16764	8.72	17.25	7.47	1150	
CLCJ-4	Coal Ck	10-05-2011 09:30:00	0.16764	8.74	17.37	7.47	1152	
CLCJ-4	Coal Ck	10-05-2011 09:45:00	0.16764	8.77	17.52	7.47	1153	
CLCJ-4	Coal Ck	10-05-2011 10:00:00	0.16764	8.8	17.68	7.48	1154	
CLCJ-4	Coal Ck	10-05-2011 10:15:00	0.16764	8.84	17.88	7.48	1156	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-4	Coal Ck	10-05-2011 10:30:00	0.16764	8.85	18.08	7.48	1158	
CLCJ-4	Coal Ck	10-05-2011 10:45:00	0.16764	8.89	18.33	7.49	1160	
CLCJ-4	Coal Ck	10-05-2011 11:00:00	0.16764	8.92	18.57	7.49	1162	
CLCJ-4	Coal Ck	10-05-2011 11:15:00	0.16764	8.92	18.82	7.5	1165	
CLCJ-4	Coal Ck	10-05-2011 11:30:00	0.16764	8.94	19.07	7.5	1167	
CLCJ-4	Coal Ck	10-05-2011 11:45:00	0.16764	8.93	19.33	7.51	1171	
CLCJ-4	Coal Ck	10-05-2011 12:00:00	0.16764	8.93	19.6	7.51	1173	
CLCJ-4	Coal Ck	10-05-2011 12:15:00	0.16764	8.93	19.83	7.52	1175	
CLCJ-4	Coal Ck	10-05-2011 12:30:00	0.16764	8.92	20.07	7.52	1178	
CLCJ-4	Coal Ck	10-05-2011 12:45:00	0.16764	8.9	20.26	7.53	1181	
CLCJ-4	Coal Ck	10-05-2011 13:00:00	0.16764	8.9	20.47	7.53	1184	
CLCJ-4	Coal Ck	10-05-2011 13:15:00	0.16764	8.9	20.71	7.53	1188	
CLCJ-4	Coal Ck	10-05-2011 13:30:00	0.16764	8.88	20.91	7.54	1191	
CLCJ-4	Coal Ck	10-05-2011 13:45:00	0.16764	8.85	21.05	7.54	1194	
CLCJ-4	Coal Ck	10-05-2011 14:00:00	0.16764	8.81	21.17	7.54	1196	
CLCJ-4	Coal Ck	10-05-2011 14:15:00	0.16764	8.8	21.29	7.54	1199	
CLCJ-4	Coal Ck	10-05-2011 14:30:00	0.16764	8.75	21.36	7.55	1202	
CLCJ-4	Coal Ck	10-05-2011 14:45:00	0.16764	8.73	21.41	7.55	1204	
CLCJ-4	Coal Ck	10-05-2011 15:00:00	0.16764	8.69	21.45	7.55	1208	
CLCJ-4	Coal Ck	10-05-2011 15:15:00	0.16764	8.65	21.5	7.55	1211	
CLCJ-4	Coal Ck	10-05-2011 15:30:00	0.16764	8.61	21.53	7.55	1212	
CLCJ-4	Coal Ck	10-05-2011 15:45:00	0.16764	8.56	21.57	7.54	1215	
CLCJ-4	Coal Ck	10-05-2011 16:00:00	0.16764	8.51	21.62	7.54	1217	
CLCJ-4	Coal Ck	10-05-2011 16:15:00	0.16764	8.47	21.68	7.54	1219	
CLCJ-4	Coal Ck	10-05-2011 16:30:00	0.16764	8.44	21.72	7.54	1221	
CLCJ-4	Coal Ck	10-05-2011 16:45:00	0.16764	8.39	21.77	7.54	1222	
CLCJ-4	Coal Ck	10-05-2011 17:00:00	0.16764	8.36	21.8	7.54	1224	
CLCJ-4	Coal Ck	10-05-2011 17:15:00	0.16764	8.31	21.82	7.54	1226	
CLCJ-4	Coal Ck	10-05-2011 17:30:00	0.16764	8.27	21.84	7.54	1227	
CLCJ-4	Coal Ck	10-05-2011 17:45:00	0.16764	8.25	21.85	7.53	1228	
CLCJ-4	Coal Ck	10-05-2011 18:00:00	0.16764	8.22	21.83	7.53	1228	
CLCJ-4	Coal Ck	10-05-2011 18:15:00	0.16764	8.18	21.79	7.52	1228	
CLCJ-4	Coal Ck	10-05-2011 18:30:00	0.16764	8.16	21.72	7.52	1229	
CLCJ-4	Coal Ck	10-05-2011 18:45:00	0.16764	8.13	21.63	7.52	1229	
CLCJ-4	Coal Ck	10-05-2011 19:00:00	0.16764	8.12	21.5	7.51	1229	
CLCJ-4	Coal Ck	10-05-2011 19:15:00	0.16764	8.1	21.37	7.51	1228	
CLCJ-4	Coal Ck	10-05-2011 19:30:00	0.16764	8.08	21.25	7.51	1227	
CLCJ-4	Coal Ck	10-05-2011 19:45:00	0.16764	8.05	21.13	7.5	1225	
CLCJ-4	Coal Ck	10-05-2011 20:00:00	0.16764	8.05	21.01	7.5	1226	
CLCJ-4	Coal Ck	10-05-2011 20:15:00	0.16764	8.04	20.9	7.5	1226	
CLCJ-4	Coal Ck	10-05-2011 20:30:00	0.16764	8.03	20.78	7.5	1225	
CLCJ-4	Coal Ck	10-05-2011 20:45:00	0.16764	8.02	20.68	7.5	1224	
CLCJ-4	Coal Ck	10-05-2011 21:00:00	0.16764	8.01	20.57	7.5	1224	
CLCJ-4	Coal Ck	10-05-2011 21:15:00	0.16764	8.01	20.47	7.5	1223	
CLCJ-4	Coal Ck	10-05-2011 21:30:00	0.16764	8.01	20.39	7.5	1223	
CLCJ-4	Coal Ck	10-05-2011 21:45:00	0.16764	8	20.28	7.49	1222	
CLCJ-4	Coal Ck	10-05-2011 22:00:00	0.16764	8.01	20.19	7.5	1221	
CLCJ-4	Coal Ck	10-05-2011 22:15:00	0.16764	8	20.11	7.49	1219	
CLCJ-4	Coal Ck	10-05-2011 22:30:00	0.16764	8	20.01	7.49	1217	
CLCJ-4	Coal Ck	10-05-2011 22:45:00	0.16764	8.02	19.92	7.49	1216	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-4	Coal Ck	10-05-2011 23:00:00	0.16764	8.02	19.83	7.49	1215	
CLCJ-4	Coal Ck	10-05-2011 23:15:00	0.16764	8.02	19.74	7.49	1213	
CLCJ-4	Coal Ck	10-05-2011 23:30:00	0.16764	8.04	19.66	7.48	1211	
CLCJ-4	Coal Ck	10-05-2011 23:45:00	0.16764	8.05	19.56	7.49	1210	
CLCJ-4	Coal Ck	11-05-2011 00:00:00	0.16764	8.04	19.46	7.48	1208	
CLCJ-4	Coal Ck	11-05-2011 00:15:00	0.16764	8.07	19.37	7.48	1207	
CLCJ-4	Coal Ck	11-05-2011 00:30:00	0.16764	8.09	19.28	7.48	1205	
CLCJ-4	Coal Ck	11-05-2011 00:45:00	0.16764	8.08	19.2	7.48	1203	
CLCJ-4	Coal Ck	11-05-2011 01:00:00	0.16764	8.11	19.11	7.48	1202	
CLCJ-4	Coal Ck	11-05-2011 01:15:00	0.16764	8.1	19.03	7.48	1201	
CLCJ-4	Coal Ck	11-05-2011 01:30:00	0.16764	8.13	18.93	7.48	1199	
CLCJ-4	Coal Ck	11-05-2011 01:45:00	0.16764	8.15	18.85	7.48	1197	
CLCJ-4	Coal Ck	11-05-2011 02:00:00	0.16764	8.15	18.75	7.48	1196	
CLCJ-4	Coal Ck	11-05-2011 02:15:00	0.16764	8.17	18.67	7.48	1194	
CLCJ-4	Coal Ck	11-05-2011 02:30:00	0.16764	8.18	18.59	7.47	1193	
CLCJ-4	Coal Ck	11-05-2011 02:45:00	0.16764	8.19	18.51	7.47	1192	
CLCJ-4	Coal Ck	11-05-2011 03:00:00	0.16764	8.23	18.42	7.47	1191	
CLCJ-4	Coal Ck	11-05-2011 03:15:00	0.16764	8.24	18.35	7.48	1189	
CLCJ-4	Coal Ck	11-05-2011 03:30:00	0.16764	8.25	18.28	7.47	1189	
CLCJ-4	Coal Ck	11-05-2011 03:45:00	0.16764	8.27	18.2	7.48	1188	
CLCJ-4	Coal Ck	11-05-2011 04:00:00	0.16764	8.26	18.14	7.47	1187	
CLCJ-4	Coal Ck	11-05-2011 04:15:00	0.16764	8.29	18.06	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 04:30:00	0.16764	8.29	18	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 04:45:00	0.16764	8.32	17.93	7.47	1185	
CLCJ-4	Coal Ck	11-05-2011 05:00:00	0.16764	8.33	17.86	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 05:15:00	0.16764	8.35	17.8	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 05:30:00	0.16764	8.36	17.73	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 05:45:00	0.16764	8.37	17.67	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 06:00:00	0.16764	8.38	17.61	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 06:15:00	0.16764	8.39	17.55	7.47	1186	
CLCJ-4	Coal Ck	11-05-2011 06:30:00	0.16764	8.4	17.49	7.47	1187	
CLCJ-4	Coal Ck	11-05-2011 06:45:00	0.16764	8.41	17.45	7.47	1187	
CLCJ-4	Coal Ck	11-05-2011 07:00:00	0.16764	8.44	17.4	7.47	1189	
CLCJ-4	Coal Ck	11-05-2011 07:15:00	0.16764	8.44	17.38	7.47	1189	
CLCJ-4	Coal Ck	11-05-2011 07:30:00	0.16764	8.46	17.36	7.47	1191	
CLCJ-4	Coal Ck	11-05-2011 07:45:00	0.16764	8.48	17.36	7.47	1191	
CLCJ-4	Coal Ck	11-05-2011 08:00:00	0.16764	8.52	17.37	7.48	1193	
CLCJ-4	Coal Ck	11-05-2011 08:15:00	0.16764	8.52	17.4	7.48	1194	
CLCJ-4	Coal Ck	11-05-2011 08:30:00	0.16764	8.54	17.44	7.48	1195	
CLCJ-4	Coal Ck	11-05-2011 08:45:00	0.16764	8.57	17.5	7.48	1197	
CLCJ-4	Coal Ck	11-05-2011 09:00:00	0.16764	8.59	17.58	7.48	1198	
CLCJ-4	Coal Ck	11-05-2011 09:15:00	0.16764	8.6	17.67	7.48	1199	
CLCJ-4	Coal Ck	11-05-2011 09:30:00	0.16764	8.62	17.78	7.48	1200	
CLCJ-4	Coal Ck	11-05-2011 09:45:00	0.16764	8.66	17.92	7.48	1200	
CLCJ-4	Coal Ck	11-05-2011 10:00:00	0.16764	8.68	18.08	7.48	1201	
CLCJ-4	Coal Ck	11-05-2011 10:15:00	0.16764	8.7	18.28	7.49	1203	
CLCJ-4	Coal Ck	11-05-2011 10:30:00	0.16764	8.76	18.5	7.49	1204	
CLCJ-4	Coal Ck	11-05-2011 10:45:00	0.16764	8.77	18.72	7.5	1206	
CLCJ-4	Coal Ck	11-05-2011 11:00:00	0.16764	8.82	18.96	7.51	1207	
CLCJ-4	Coal Ck	11-05-2011 11:15:00	0.16764	8.86	19.22	7.52	1209	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-4	Coal Ck	11-05-2011 11:30:00	0.16764	8.85	19.46	7.52	1211	
CLCJ-4	Coal Ck	11-05-2011 11:45:00	0.16764	8.84	19.7	7.52	1213	
CLCJ-4	Coal Ck	11-05-2011 12:00:00	0.16764	8.86	19.93	7.53	1215	
CLCJ-4	Coal Ck	11-05-2011 12:15:00	0.16764	8.86	20.17	7.53	1217	
CLCJ-4	Coal Ck	11-05-2011 12:30:00	0.16764	8.86	20.41	7.53	1219	
CLCJ-4	Coal Ck	11-05-2011 12:45:00	0.16764	8.86	20.62	7.54	1221	
CLCJ-4	Coal Ck	11-05-2011 13:00:00	0.16764	8.85	20.84	7.54	1224	
CLCJ-4	Coal Ck	11-05-2011 13:15:00	0.16764	8.83	21.09	7.54	1226	
CLCJ-4	Coal Ck	11-05-2011 13:30:00	0.16764	8.84	21.29	7.55	1228	
CLCJ-4	Coal Ck	11-05-2011 13:45:00	0.16764	8.81	21.49	7.55	1231	
CLCJ-4	Coal Ck	11-05-2011 14:00:00	0.16764	8.78	21.66	7.55	1234	
CLCJ-4	Coal Ck	11-05-2011 14:15:00	0.16764	8.75	21.8	7.55	1236	
CLCJ-4	Coal Ck	11-05-2011 14:30:00	0.16764	8.73	21.9	7.55	1238	
CLCJ-4	Coal Ck	11-05-2011 14:45:00	0.16764	8.67	21.98	7.55	1240	
CLCJ-4	Coal Ck	11-05-2011 15:00:00	0.16764	8.62	22.04	7.55	1243	
CLCJ-4	Coal Ck	11-05-2011 15:15:00	0.16764	8.59	22.09	7.56	1246	
CLCJ-4	Coal Ck	11-05-2011 15:30:00	0.16764	8.53	22.13	7.55	1248	
CLCJ-4	Coal Ck	11-05-2011 15:45:00	0.16764	8.49	22.17	7.55	1250	
CLCJ-4	Coal Ck	11-05-2011 16:00:00	0.16764	8.45	22.21	7.55	1253	
CLCJ-4	Coal Ck	11-05-2011 16:15:00	0.16764	8.39	22.26	7.55	1256	
CLCJ-4	Coal Ck	11-05-2011 16:30:00	0.16764	8.36	22.3	7.55	1257	
CLCJ-4	Coal Ck	11-05-2011 16:45:00	0.16764	8.33	22.33	7.55	1260	
CLCJ-4	Coal Ck	11-05-2011 17:00:00	0.16764	8.27	22.38	7.55	1262	
CLCJ-4	Coal Ck	11-05-2011 17:15:00	0.16764	8.23	22.4	7.54	1264	
CLCJ-4	Coal Ck	11-05-2011 17:30:00	0.16764	8.19	22.43	7.54	1265	
CLCJ-4	Coal Ck	11-05-2011 17:45:00	0.16764	8.17	22.44	7.54	1267	
CLCJ-4	Coal Ck	11-05-2011 18:00:00	0.16764	8.13	22.44	7.54	1269	
CLCJ-4	Coal Ck	11-05-2011 18:15:00	0.16764	8.1	22.42	7.53	1270	
CLCJ-4	Coal Ck	11-05-2011 18:30:00	0.16764	8.08	22.37	7.53	1272	
CLCJ-4	Coal Ck	11-05-2011 18:45:00	0.16764	8.04	22.29	7.52	1273	
CLCJ-4	Coal Ck	11-05-2011 19:00:00	0.16764	8.03	22.19	7.52	1274	
CLCJ-4	Coal Ck	11-05-2011 19:15:00	0.16764	8.02	22.07	7.51	1275	
CLCJ-4	Coal Ck	11-05-2011 19:30:00	0.16764	7.98	21.95	7.51	1276	
CLCJ-4	Coal Ck	11-05-2011 19:45:00	0.16764	7.97	21.84	7.51	1277	
CLCJ-4	Coal Ck	11-05-2011 20:00:00	0.16764	7.95	21.68	7.51	1277	
CLCJ-4	Coal Ck	11-05-2011 20:15:00	0.16764	7.93	21.55	7.51	1279	
CLCJ-4	Coal Ck	11-05-2011 20:30:00	0.16764	7.92	21.43	7.51	1280	
CLCJ-4	Coal Ck	11-05-2011 20:45:00	0.16764	7.91	21.3	7.51	1279	
CLCJ-4	Coal Ck	11-05-2011 21:00:00	0.16764	7.91	21.18	7.51	1279	
CLCJ-4	Coal Ck	11-05-2011 21:15:00	0.16764	7.91	21.07	7.51	1280	
CLCJ-4	Coal Ck	11-05-2011 21:30:00	0.16764	7.9	20.95	7.51	1281	
CLCJ-4	Coal Ck	11-05-2011 21:45:00	0.16764	7.9	20.84	7.51	1281	
CLCJ-4	Coal Ck	11-05-2011 22:00:00	0.16764	7.9	20.72	7.51	1281	
CLCJ-4	Coal Ck	11-05-2011 22:15:00	0.16764	7.91	20.61	7.51	1282	
CLCJ-4	Coal Ck	11-05-2011 22:30:00	0.16764	7.89	20.53	7.5	1281	
CLCJ-4	Coal Ck	11-05-2011 22:45:00	0.16764	7.9	20.41	7.51	1282	
CLCJ-4	Coal Ck	11-05-2011 23:00:00	0.16764	7.93	20.3	7.51	1282	
CLCJ-4	Coal Ck	11-05-2011 23:15:00	0.16764	7.91	20.22	7.5	1282	
CLCJ-4	Coal Ck	11-05-2011 23:30:00	0.16764	7.92	20.12	7.5	1281	
CLCJ-4	Coal Ck	11-05-2011 23:45:00	0.16764	7.93	20.02	7.5	1280	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
CLCJ-4	Coal Ck	12-05-2011 00:00:00	0.16764	7.94	19.92	7.5	1280	
CLCJ-4	Coal Ck	12-05-2011 00:15:00	0.16764	7.95	19.84	7.5	1279	
CLCJ-4	Coal Ck	12-05-2011 00:30:00	0.16764	7.97	19.74	7.5	1278	
CLCJ-4	Coal Ck	12-05-2011 00:45:00	0.16764	7.97	19.66	7.5	1278	
CLCJ-4	Coal Ck	12-05-2011 01:00:00	0.16764	7.99	19.56	7.5	1277	
CLCJ-4	Coal Ck	12-05-2011 01:15:00	0.16764	8	19.46	7.5	1275	
CLCJ-4	Coal Ck	12-05-2011 01:30:00	0.16764	8.02	19.37	7.5	1275	
CLCJ-4	Coal Ck	12-05-2011 01:45:00	0.16764	8.02	19.28	7.5	1273	
CLCJ-4	Coal Ck	12-05-2011 02:00:00	0.16764	8.04	19.2	7.49	1273	
CLCJ-4	Coal Ck	12-05-2011 02:15:00	0.16764	8.04	19.12	7.49	1271	
CLCJ-4	Coal Ck	12-05-2011 02:30:00	0.16764	8.06	19.03	7.49	1270	
CLCJ-4	Coal Ck	12-05-2011 02:45:00	0.16764	8.09	18.96	7.49	1269	
CLCJ-4	Coal Ck	12-05-2011 03:00:00	0.16764	8.11	18.87	7.49	1268	
CLCJ-4	Coal Ck	12-05-2011 03:15:00	0.16764	8.12	18.79	7.49	1268	
CLCJ-4	Coal Ck	12-05-2011 03:30:00	0.16764	8.14	18.72	7.49	1266	
CLCJ-4	Coal Ck	12-05-2011 03:45:00	0.16764	8.16	18.64	7.49	1265	
CLCJ-4	Coal Ck	12-05-2011 04:00:00	0.16764	8.16	18.57	7.49	1264	
CLCJ-4	Coal Ck	12-05-2011 04:15:00	0.16764	8.19	18.49	7.49	1263	
CLCJ-4	Coal Ck	12-05-2011 04:30:00	0.16764	8.19	18.43	7.49	1261	
CLCJ-4	Coal Ck	12-05-2011 04:45:00	0.16764	8.19	18.35	7.49	1261	
CLCJ-4	Coal Ck	12-05-2011 05:00:00	0.16764	8.22	18.28	7.49	1260	
CLCJ-4	Coal Ck	12-05-2011 05:15:00	0.16764	8.23	18.21	7.49	1260	
CLCJ-4	Coal Ck	12-05-2011 05:30:00	0.16764	8.25	18.15	7.49	1259	
CLCJ-4	Coal Ck	12-05-2011 05:45:00	0.16764	8.26	18.09	7.49	1258	
CLCJ-4	Coal Ck	12-05-2011 06:00:00	0.16764	8.26	18.02	7.49	1258	
CLCJ-4	Coal Ck	12-05-2011 06:15:00	0.16764	8.27	17.97	7.48	1258	
CLCJ-4	Coal Ck	12-05-2011 06:30:00	0.16764	8.31	17.9	7.49	1258	
CLCJ-4	Coal Ck	12-05-2011 06:45:00	0.16764	8.31	17.86	7.49	1258	
CLCJ-4	Coal Ck	12-05-2011 07:00:00	0.16764	8.33	17.82	7.49	1257	
CLCJ-4	Coal Ck	12-05-2011 07:15:00	0.16764	8.33	17.79	7.49	1257	
CLCJ-4	Coal Ck	12-05-2011 07:30:00	0.16764	8.34	17.77	7.49	1257	
CLCJ-4	Coal Ck	12-05-2011 07:45:00	0.16764	8.38	17.77	7.49	1258	
CLCJ-4	Coal Ck	12-05-2011 08:00:00	0.16764	8.38	17.78	7.49	1260	
CLCJ-4	Coal Ck	12-05-2011 08:15:00	0.16764	8.41	17.8	7.49	1259	
CLCJ-4	Coal Ck	12-05-2011 08:30:00	0.16764	8.43	17.82	7.49	1259	
CLCJ-4	Coal Ck	12-05-2011 08:45:00	0.16764	8.46	17.87	7.49	1261	
CLCJ-4	Coal Ck	12-05-2011 09:00:00	0.16764	8.46	17.93	7.49	1263	
CLCJ-4	Coal Ck	12-05-2011 09:15:00	0.16764	8.52	17.98	7.49	1263	
CLCJ-4	Coal Ck	12-05-2011 09:30:00	0.16764	8.53	18.06	7.49	1264	
CLCJ-4	Coal Ck	12-05-2011 09:45:00	0.16764	8.57	18.16	7.49	1266	
CLCJ-4	Coal Ck	12-05-2011 10:00:00	0.16764	8.56	18.25	7.49	1264	
CLCJ-4	Coal Ck	12-05-2011 10:15:00	0.16764	8.58	18.39	7.48	1264	
CLCJ-4	Coal Ck	12-05-2011 10:30:00	0.16764	8.63	18.57	7.49	1266	
CLCJ-4	Coal Ck	12-05-2011 10:45:00	0.16764	8.65	18.7	7.49	1268	
CLCJ-4	Coal Ck	12-05-2011 11:00:00	0.16764	8.66	18.83	7.49	1268	
CLCJ-4	Coal Ck	12-05-2011 11:15:00	0.16764	8.69	19.02	7.5	1271	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 16:00:00	0.1524	13.65	28.63	8.17	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 16:15:00	0.1524	13.55	28.36	8.26	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 16:30:00	0.1524	12.8	28.66	8.28	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 16:45:00	0.1524	12.6	28.73	8.3	1132	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 17:00:00	0.1524	12.54	28.79	8.31	1135	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 17:15:00	0.1524	12.77	28.87	8.32	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 17:30:00	0.1524	13.21	28.52	8.33	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 17:45:00	0.1524	13.53	28.46	8.33	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 18:00:00	0.1524	13.4	28.37	8.33	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 18:15:00	0.1524	13.99	28.08	8.34	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 18:30:00	0.1524	14.85	27.97	8.34	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 18:45:00	0.1524	14.97	27.79	8.34	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 19:00:00	0.1524	14.63	27.65	8.35	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 19:15:00	0.1524	15.36	27.44	8.35	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 19:30:00	0.1524	15.4	27.29	8.35	1116	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 19:45:00	0.1524	15.61	27.2	8.35	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 20:00:00	0.1524	15.89	27.08	8.35	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 20:15:00	0.1524	15.33	26.98	8.35	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 20:30:00	0.1524	14.27	26.89	8.33	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 20:45:00	0.1524	13.95	26.81	8.32	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 21:00:00	0.1524	13.55	26.78	8.31	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 21:15:00	0.1524	13.7	26.71	8.31	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 21:30:00	0.1524	13.71	26.65	8.31	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 21:45:00	0.1524	13.92	26.59	8.32	1134	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 22:00:00	0.1524	13.91	26.53	8.31	1134	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 22:15:00	0.1524	14.17	26.47	8.31	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 22:30:00	0.1524	13.75	26.42	8.32	1135	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 22:45:00	0.1524	13.71	26.35	8.32	1135	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 23:00:00	0.1524	13.58	26.27	8.31	1134	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 23:15:00	0.1524	13.11	26.19	8.3	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 23:30:00	0.1524	13.53	26.1	8.31	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	09-05-2011 23:45:00	0.1524	12.98	25.99	8.29	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 00:00:00	0.1524	12.79	25.91	8.29	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 00:15:00	0.1524	12.84	25.8	8.29	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 00:30:00	0.1524	12.73	25.72	8.29	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 00:45:00	0.1524	12.63	25.63	8.28	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 01:00:00	0.1524	12.8	25.47	8.28	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 01:15:00	0.1524	12.75	25.41	8.28	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 01:30:00	0.1524	12.64	25.33	8.27	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 01:45:00	0.1524	12.73	25.24	8.27	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 02:00:00	0.1524	12.69	25.18	8.27	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 02:15:00	0.1524	12.65	25.09	8.27	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 02:30:00	0.1524	12.7	25	8.27	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 02:45:00	0.1524	12.7	24.94	8.27	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 03:00:00	0.1524	12.86	24.87	8.27	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 03:15:00	0.1524	12.77	24.79	8.27	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 03:30:00	0.1524	12.78	24.72	8.27	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 03:45:00	0.1524	12.82	24.66	8.26	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 04:00:00	0.1524	12.79	24.6	8.26	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 04:15:00	0.1524	12.76	24.53	8.26	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 04:30:00	0.1524	12.72	24.45	8.26	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 04:45:00	0.1524	12.73	24.41	8.25	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 05:00:00	0.1524	12.66	24.37	8.25	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 05:15:00	0.1524	12.64	24.31	8.25	1128	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 05:30:00	0.1524	12.67	24.24	8.25	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 05:45:00	0.1524	12.61	24.18	8.25	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 06:00:00	0.1524	12.55	24.1	8.24	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 06:15:00	0.1524	12.5	24.07	8.24	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 06:30:00	0.1524	12.45	24.07	8.24	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 06:45:00	0.1524	12.46	24.09	8.23	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 07:00:00	0.1524	12.42	24.07	8.23	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 07:15:00	0.1524	12.4	24.07	8.23	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 07:30:00	0.1524	12.63	23.98	8.24	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 07:45:00	0.1524	12.69	24.1	8.24	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 08:00:00	0.1524	12.91	24.13	8.24	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 08:15:00	0.1524	12.96	24.22	8.25	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 08:30:00	0.1524	13.17	24.31	8.27	1119	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 08:45:00	0.1524	13.17	24.39	8.28	1119	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 09:00:00	0.1524	13.47	24.49	8.29	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 09:15:00	0.1524	13.58	24.55	8.3	1113	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 09:30:00	0.1524	14.21	24.71	8.32	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 09:45:00	0.1524	14.62	24.93	8.33	1114	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 10:00:00	0.1524	14.73	25.09	8.34	1111	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 10:15:00	0.1524	14.54	25.19	8.35	1114	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 10:30:00	0.1524	13.88	25.42	8.35	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 10:45:00	0.1524	13.44	25.74	8.36	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 11:00:00	0.1524	13.46	25.88	8.37	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 11:15:00	0.1524	14.09	26.15	8.38	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 11:30:00	0.1524	15.44	26.26	8.39	1109	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 11:45:00	0.1524	14.78	26.31	8.4	1111	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 12:00:00	0.1524	13.77	26.73	8.39	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 12:15:00	0.1524	13.38	27.29	8.39	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 12:30:00	0.1524	13.16	27.52	8.39	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 12:45:00	0.1524	13.25	27.84	8.4	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 13:00:00	0.1524	13.19	27.93	8.39	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 13:15:00	0.1524	13.26	28.39	8.4	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 13:30:00	0.1524	12.99	28.58	8.4	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 13:45:00	0.1524	13.82	28.61	8.41	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 14:00:00	0.1524	13.52	28.85	8.4	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 14:15:00	0.1524	13.42	28.99	8.4	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 14:30:00	0.1524	13.98	29.3	8.41	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 14:45:00	0.1524	13.24	29.25	8.4	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 15:00:00	0.1524	13.53	29.5	8.4	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 15:15:00	0.1524	14.11	29.53	8.4	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 15:30:00	0.1524	15.23	29.46	8.42	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 15:45:00	0.1524	14.13	29.51	8.39	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 16:00:00	0.1524	13.96	29.52	8.39	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 16:15:00	0.1524	13.49	29.7	8.38	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 16:30:00	0.1524	13.89	29.68	8.39	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 16:45:00	0.1524	13.32	29.91	8.38	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 17:00:00	0.1524	13.51	30.09	8.38	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 17:15:00	0.1524	14.06	29.96	8.39	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 17:30:00	0.1524	13.49	29.88	8.38	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 17:45:00	0.1524	12.96	29.82	8.37	1130	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 18:00:00	0.1524	13.05	29.72	8.36	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 18:15:00	0.1524	13.54	29.51	8.37	1134	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 18:30:00	0.1524	14.31	29.34	8.37	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 18:45:00	0.1524	14.32	29.18	8.36	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 19:00:00	0.1524	14.57	28.97	8.36	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 19:15:00	0.1524	14.65	28.76	8.36	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 19:30:00	0.1524	15.21	28.64	8.36	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 19:45:00	0.1524	15.05	28.52	8.36	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 20:00:00	0.1524	15.37	28.36	8.36	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 20:15:00	0.1524	15.45	28.33	8.35	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 20:30:00	0.1524	15.39	28.29	8.35	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 20:45:00	0.1524	14.55	28.25	8.33	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 21:00:00	0.1524	14.66	28.18	8.33	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 21:15:00	0.1524	15.14	28.07	8.33	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 21:30:00	0.1524	14.89	27.97	8.33	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 21:45:00	0.1524	14.88	27.88	8.33	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 22:00:00	0.1524	14.88	27.76	8.32	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 22:15:00	0.1524	14.18	27.68	8.31	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 22:30:00	0.1524	14.22	27.57	8.32	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 22:45:00	0.1524	13.86	27.47	8.31	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 23:00:00	0.1524	13.78	27.39	8.31	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 23:15:00	0.1524	13.68	27.3	8.3	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 23:30:00	0.1524	13.7	27.23	8.3	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	10-05-2011 23:45:00	0.1524	13.6	27.12	8.3	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 00:00:00	0.1524	13.45	27.03	8.29	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 00:15:00	0.1524	13.5	26.9	8.28	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 00:30:00	0.1524	13.37	26.84	8.28	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 00:45:00	0.1524	13.24	26.77	8.28	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 01:00:00	0.1524	13.34	26.67	8.27	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 01:15:00	0.1524	13.19	26.6	8.26	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 01:30:00	0.1524	13.06	26.56	8.27	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 01:45:00	0.1524	13.1	26.45	8.26	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 02:00:00	0.1524	13.01	26.38	8.26	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 02:15:00	0.1524	13.06	26.29	8.26	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 02:30:00	0.1524	13.12	26.22	8.26	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 02:45:00	0.1524	13.16	26.15	8.25	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 03:00:00	0.1524	12.99	26.08	8.25	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 03:15:00	0.1524	13.03	26	8.25	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 03:30:00	0.1524	13.06	25.92	8.24	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 03:45:00	0.1524	13.05	25.88	8.24	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 04:00:00	0.1524	12.99	25.8	8.24	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 04:15:00	0.1524	13.02	25.73	8.23	1119	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 04:30:00	0.1524	12.93	25.66	8.23	1119	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 04:45:00	0.1524	12.89	25.54	8.23	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 05:00:00	0.1524	12.84	25.54	8.22	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 05:15:00	0.1524	12.79	25.47	8.22	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 05:30:00	0.1524	12.72	25.43	8.21	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 05:45:00	0.1524	12.62	25.38	8.21	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 06:00:00	0.1524	12.58	25.3	8.21	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 06:15:00	0.1524	12.56	25.27	8.2	1118	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 06:30:00	0.1524	12.45	25.25	8.2	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 06:45:00	0.1524	12.58	25.17	8.2	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 07:00:00	0.1524	12.57	25.21	8.2	1116	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 07:15:00	0.1524	12.54	25.18	8.2	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 07:30:00	0.1524	12.66	25.18	8.2	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 07:45:00	0.1524	12.83	25.23	8.21	1116	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 08:00:00	0.1524	12.98	25.3	8.22	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 08:15:00	0.1524	13.15	25.39	8.23	1114	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 08:30:00	0.1524	13.41	25.45	8.24	1114	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 08:45:00	0.1524	13.42	25.56	8.25	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 09:00:00	0.1524	13.59	25.63	8.26	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 09:15:00	0.1524	13.96	25.7	8.27	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 09:30:00	0.1524	14.3	25.78	8.29	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 09:45:00	0.1524	14.63	25.95	8.3	1114	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 10:00:00	0.1524	14.76	26.07	8.32	1116	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 10:15:00	0.1524	15.01	26.34	8.33	1114	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 10:30:00	0.1524	15.21	26.46	8.34	1112	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 10:45:00	0.1524	15.65	26.57	8.35	1110	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 11:00:00	0.1524	15.98	26.59	8.37	1111	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 11:15:00	0.1524	15.97	26.63	8.37	1110	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 11:30:00	0.1524	16.58	26.71	8.37	1107	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 11:45:00	0.1524	15.37	26.95	8.36	1115	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 12:00:00	0.1524	15.35	27.73	8.4	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 12:15:00	0.1524	14.85	28.55	8.41	1119	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 12:30:00	0.1524	15.23	28.57	8.41	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 12:45:00	0.1524	15.89	28.53	8.43	1112	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 13:00:00	0.1524	14.75	28.63	8.41	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 13:15:00	0.1524	13.45	29.54	8.4	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 13:30:00	0.1524	13.37	29.75	8.4	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 13:45:00	0.1524	14.37	29.71	8.42	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 14:00:00	0.1524	14.8	29.85	8.42	1116	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 14:15:00	0.1524	13.53	29.79	8.39	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 14:30:00	0.1524	13.3	30.23	8.38	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 14:45:00	0.1524	12.22	30.5	8.36	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 15:00:00	0.1524	12.19	30.75	8.36	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 15:15:00	0.1524	13.34	30.62	8.39	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 15:30:00	0.1524	13.29	30.6	8.38	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 15:45:00	0.1524	12.7	30.28	8.36	1136	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 16:00:00	0.1524	12.52	30.91	8.36	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 16:15:00	0.1524	12.34	31.02	8.35	1132	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 16:30:00	0.1524	12.96	31.03	8.37	1134	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 16:45:00	0.1524	12.63	31.01	8.37	1134	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 17:00:00	0.1524	12.72	30.91	8.37	1136	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 17:15:00	0.1524	12.55	30.97	8.37	1137	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 17:30:00	0.1524	13.04	30.81	8.38	1138	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 17:45:00	0.1524	12.75	30.75	8.37	1138	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 18:00:00	0.1524	12.42	30.7	8.36	1138	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 18:15:00	0.1524	12.66	30.62	8.36	1137	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 18:30:00	0.1524	12.87	30.38	8.36	1137	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 18:45:00	0.1524	13.07	30.23	8.35	1135	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 19:00:00	0.1524	13.54	30.05	8.36	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 19:15:00	0.1524	14.05	29.89	8.36	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 19:30:00	0.1524	14.92	29.61	8.37	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 19:45:00	0.1524	15.25	29.46	8.37	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 20:00:00	0.1524	15.05	29.32	8.36	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 20:15:00	0.1524	15.21	29.19	8.36	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 20:30:00	0.1524	15.5	29.09	8.36	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 20:45:00	0.1524	15.04	29	8.35	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 21:00:00	0.1524	14.56	28.87	8.34	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 21:15:00	0.1524	14.48	28.76	8.33	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 21:30:00	0.1524	14.4	28.63	8.34	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 21:45:00	0.1524	14.59	28.53	8.33	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 22:00:00	0.1524	14.36	28.39	8.32	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 22:15:00	0.1524	14.12	28.31	8.32	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 22:30:00	0.1524	14.14	28.24	8.31	1129	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 22:45:00	0.1524	14.12	28.12	8.32	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 23:00:00	0.1524	13.92	28.02	8.31	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 23:15:00	0.1524	13.8	27.93	8.3	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 23:30:00	0.1524	13.59	27.83	8.3	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	11-05-2011 23:45:00	0.1524	13.49	27.76	8.29	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 00:00:00	0.1524	13.66	27.66	8.29	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 00:15:00	0.1524	13.46	27.57	8.28	1128	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 00:30:00	0.1524	13.53	27.49	8.28	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 00:45:00	0.1524	13.39	27.45	8.28	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 01:00:00	0.1524	13.27	27.35	8.27	1127	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 01:15:00	0.1524	13.38	27.29	8.27	1126	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 01:30:00	0.1524	13.43	27.19	8.27	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 01:45:00	0.1524	13.33	27.12	8.26	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 02:00:00	0.1524	13.39	27.06	8.26	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 02:15:00	0.1524	13.45	27	8.26	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 02:30:00	0.1524	13.34	26.93	8.26	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 02:45:00	0.1524	13.27	26.86	8.25	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 03:00:00	0.1524	13.22	26.8	8.25	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 03:15:00	0.1524	13.09	26.71	8.25	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 03:30:00	0.1524	13.03	26.65	8.24	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 03:45:00	0.1524	12.94	26.59	8.24	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 04:00:00	0.1524	12.86	26.52	8.23	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 04:15:00	0.1524	12.65	26.44	8.22	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 04:30:00	0.1524	12.81	26.38	8.22	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 04:45:00	0.1524	12.63	26.34	8.22	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 05:00:00	0.1524	12.66	26.3	8.22	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 05:15:00	0.1524	12.48	26.24	8.21	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 05:30:00	0.1524	12.5	26.18	8.21	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 05:45:00	0.1524	12.44	26.12	8.2	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 06:00:00	0.1524	12.46	26.08	8.2	1125	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 06:15:00	0.1524	12.31	26.05	8.2	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 06:30:00	0.1524	12.35	26.03	8.2	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 06:45:00	0.1524	12.35	25.97	8.2	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 07:00:00	0.1524	12.33	26.03	8.19	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 07:15:00	0.1524	12.34	26.01	8.2	1123	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 07:30:00	0.1524	12.44	26.01	8.2	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 07:45:00	0.1524	12.5	26.06	8.21	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 08:00:00	0.1524	12.69	26.02	8.22	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 08:15:00	0.1524	12.86	26.06	8.23	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 08:30:00	0.1524	13.08	26.18	8.25	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 08:45:00	0.1524	13.37	26.21	8.26	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 09:00:00	0.1524	13.62	26.31	8.28	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 09:15:00	0.1524	13.92	26.37	8.3	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 09:30:00	0.1524	14.18	26.4	8.3	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 09:45:00	0.1524	14.43	26.5	8.32	1123	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 10:00:00	0.1524	14.67	26.69	8.35	1121	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 10:15:00	0.1524	14.92	26.94	8.34	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 10:30:00	0.1524	15.09	26.84	8.36	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 10:45:00	0.1524	15.52	26.98	8.37	1120	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 11:00:00	0.1524	15.85	27.11	8.39	1122	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 11:15:00	0.1524	15.97	27.34	8.41	1118	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 11:30:00	0.1524	15.75	27.65	8.4	1117	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 11:45:00	0.1524	15.42	27.9	8.42	1124	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 12:00:00	0.1524	14.32	28.24	8.4	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 12:15:00	0.1524	14.15	28.7	8.43	1131	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 12:30:00	0.1524	13.76	28.9	8.42	1135	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 12:45:00	0.1524	13.37	29.32	8.42	1140	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 13:00:00	0.1524	14.45	29.23	8.45	1137	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 13:15:00	0.1524	14.54	29.11	8.44	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 13:30:00	0.1524	15.01	29.29	8.46	1130	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 13:45:00	0.1524	14.58	29.45	8.45	1133	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 14:00:00	0.1524	13.64	29.81	8.44	1139	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 14:15:00	0.1524	13.93	29.8	8.42	1141	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 14:30:00	0.1524	13.54	29.54	8.41	1150	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 14:45:00	0.1524	13.55	30.13	8.43	1138	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 15:00:00	0.1524	14.51	29.67	8.41	1141	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 15:15:00	0.1524	14.58	30.13	8.45	1144	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 15:30:00	0.1524	13.05	30.23	8.41	1152	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 15:45:00	0.1524	14.1	30.47	8.44	1150	
DRMW-12	Drummond Co Surface Mine 1 Outfall 12	12-05-2011 16:00:00	0.1524	13.69	30.42	8.41	1148	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 15:45:00	0.1524	13.82	19.35	6.41	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 16:00:00	0.1524	13.87	19.23	6.52	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 16:15:00	0.1524	13.87	19.57	6.57	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 16:30:00	0.1524	14.16	19.63	6.6	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 16:45:00	0.1524	14.23	19.63	6.63	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 17:00:00	0.1524	14.26	19.69	6.64	1444	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 17:15:00	0.1524	14.31	19.72	6.65	1447	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 17:30:00	0.1524	14.52	19.98	6.67	1430	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 17:45:00	0.1524	14.52	19.89	6.67	1423	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 18:00:00	0.1524	14.55	19.9	6.66	1434	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 18:15:00	0.1524	14.62	20.02	6.68	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 18:30:00	0.1524	14.42	19.92	6.67	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 18:45:00	0.1524	14.38	19.86	6.67	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 19:00:00	0.1524	14.5	20.02	6.67	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 19:15:00	0.1524	14.65	19.73	6.66	1484	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 19:30:00	0.1524	14.55	19.72	6.66	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 19:45:00	0.1524	14.54	19.73	6.67	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 20:00:00	0.1524	14.56	19.76	6.66	1436	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 20:15:00	0.1524	14.25	19.67	6.66	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 20:30:00	0.1524	14.08	19.84	6.67	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 20:45:00	0.1524	14.19	19.75	6.67	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 21:00:00	0.1524	14.29	20.04	6.68	1458	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 21:15:00	0.1524	14.14	19.74	6.67	1472	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 21:30:00	0.1524	14.46	19.75	6.66	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 21:45:00	0.1524	14.65	19.66	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 22:00:00	0.1524	14.64	19.8	6.67	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 22:15:00	0.1524	14.5	19.79	6.66	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 22:30:00	0.1524	14.52	19.94	6.67	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 22:45:00	0.1524	14.4	19.93	6.68	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 23:00:00	0.1524	14.17	19.9	6.69	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 23:15:00	0.1524	14.53	20.02	6.7	1458	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 23:30:00	0.1524	14.46	19.97	6.7	1458	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	09-05-2011 23:45:00	0.1524	12.88	18.9	6.64	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 00:00:00	0.1524	12.98	19.33	6.66	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 00:15:00	0.1524	13.1	18.87	6.65	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 00:30:00	0.1524	13.18	19.02	6.65	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 00:45:00	0.1524	13.03	18.93	6.65	1479	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 01:00:00	0.1524	13.1	18.96	6.65	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 01:15:00	0.1524	13.06	18.94	6.65	1479	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 01:30:00	0.1524	13.2	18.93	6.66	1478	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 01:45:00	0.1524	12.91	19	6.66	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 02:00:00	0.1524	12.82	18.98	6.65	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 02:15:00	0.1524	12.9	18.91	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 02:30:00	0.1524	12.64	18.82	6.66	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 02:45:00	0.1524	12.66	18.93	6.65	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 03:00:00	0.1524	12.48	18.82	6.65	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 03:15:00	0.1524	12.42	18.77	6.65	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 03:30:00	0.1524	12.27	18.73	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 03:45:00	0.1524	12.18	18.7	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 04:00:00	0.1524	12.1	18.68	6.66	1478	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 04:15:00	0.1524	11.99	18.66	6.65	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 04:30:00	0.1524	11.94	18.68	6.65	1472	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 04:45:00	0.1524	11.64	18.53	6.65	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 05:00:00	0.1524	11.36	18.43	6.66	1478	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 05:15:00	0.1524	11.33	18.52	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 05:30:00	0.1524	11.54	18.63	6.67	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 05:45:00	0.1524	11.22	18.53	6.66	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 06:00:00	0.1524	11.12	18.52	6.67	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 06:15:00	0.1524	10.73	18.41	6.65	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 06:30:00	0.1524	11.09	18.53	6.68	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 06:45:00	0.1524	10.93	18.54	6.67	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 07:00:00	0.1524	10.64	18.4	6.66	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 07:15:00	0.1524	10.68	18.46	6.67	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 07:30:00	0.1524	10.75	18.56	6.66	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 07:45:00	0.1524	10.56	18.54	6.67	1469	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 08:00:00	0.1524	10.53	18.39	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 08:15:00	0.1524	10.38	18.54	6.66	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 08:30:00	0.1524	10.32	18.59	6.66	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 08:45:00	0.1524	10.79	18.64	6.66	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 09:00:00	0.1524	10.37	18.59	6.65	1463	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 09:15:00	0.1524	10.29	18.56	6.65	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 09:30:00	0.1524	10.01	18.44	6.63	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 09:45:00	0.1524	10.05	18.45	6.63	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 10:00:00	0.1524	9.89	18.43	6.63	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 10:15:00	0.1524	10.07	18.51	6.62	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 10:30:00	0.1524	10.18	18.47	6.62	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 10:45:00	0.1524	10.13	18.48	6.61	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 11:00:00	0.1524	10.34	18.54	6.61	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 11:15:00	0.1524	10.47	18.56	6.61	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 11:30:00	0.1524	11	19.33	6.64	1434	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 11:45:00	0.1524	11.12	19.18	6.64	1453	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 12:00:00	0.1524	11.62	19.3	6.65	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 12:15:00	0.1524	12.27	19.38	6.66	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 12:30:00	0.1524	12.47	19.41	6.66	1439	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 12:45:00	0.1524	12.5	19.5	6.65	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 13:00:00	0.1524	12.48	19.43	6.65	1460	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 13:15:00	0.1524	12.82	19.48	6.65	1456	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 13:30:00	0.1524	13.05	19.47	6.65	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 13:45:00	0.1524	12.94	19.53	6.65	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 14:00:00	0.1524	13.58	19.68	6.65	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 14:15:00	0.1524	13.82	19.69	6.66	1463	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 14:30:00	0.1524	13.7	19.59	6.65	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 14:45:00	0.1524	14.06	19.74	6.65	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 15:00:00	0.1524	13.91	19.75	6.65	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 15:15:00	0.1524	13.68	19.73	6.65	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 15:30:00	0.1524	14.21	19.72	6.65	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 15:45:00	0.1524	14.15	19.88	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 16:00:00	0.1524	14.24	19.72	6.65	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 16:15:00	0.1524	14.24	20.37	6.67	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 16:30:00	0.1524	14.6	19.77	6.66	1472	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 16:45:00	0.1524	14.79	19.93	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 17:00:00	0.1524	14.68	20.07	6.66	1477	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 17:15:00	0.1524	14.71	19.86	6.65	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 17:30:00	0.1524	14.64	19.97	6.67	1480	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 17:45:00	0.1524	14.89	19.96	6.66	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 18:00:00	0.1524	14.54	19.69	6.65	1480	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 18:15:00	0.1524	14.97	19.94	6.67	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 18:30:00	0.1524	15.03	20	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 18:45:00	0.1524	14.83	20.06	6.67	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 19:00:00	0.1524	14.29	20.17	6.69	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 19:15:00	0.1524	14.45	20.22	6.68	1440	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 19:30:00	0.1524	14.6	20.6	6.7	1440	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 19:45:00	0.1524	14.83	20.57	6.7	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 20:00:00	0.1524	14.43	20.68	6.7	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 20:15:00	0.1524	14.59	20.41	6.68	1436	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 20:30:00	0.1524	14.35	20.16	6.7	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 20:45:00	0.1524	14.67	20.26	6.7	1443	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 21:00:00	0.1524	14.67	20.46	6.7	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 21:15:00	0.1524	14.68	20.36	6.69	1436	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 21:30:00	0.1524	14.53	20.55	6.7	1436	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 21:45:00	0.1524	13.39	19.99	6.67	1438	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 22:00:00	0.1524	14.05	20.04	6.67	1431	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 22:15:00	0.1524	12.95	19.7	6.67	1430	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 22:30:00	0.1524	11.85	19.35	6.65	1440	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 22:45:00	0.1524	11.7	19.29	6.65	1459	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 23:00:00	0.1524	11.71	19.77	6.68	1455	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 23:15:00	0.1524	11.63	19.24	6.65	1458	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 23:30:00	0.1524	11.33	19.18	6.65	1457	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	10-05-2011 23:45:00	0.1524	11.82	19.26	6.65	1457	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 00:00:00	0.1524	11.61	19.27	6.66	1440	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 00:15:00	0.1524	12.25	19.49	6.65	1459	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 00:30:00	0.1524	12.18	19.27	6.64	1460	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 00:45:00	0.1524	11.61	19.27	6.65	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 01:00:00	0.1524	11.68	19.19	6.64	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 01:15:00	0.1524	11.18	19.09	6.64	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 01:30:00	0.1524	13.46	19.62	6.66	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 01:45:00	0.1524	13.57	19.64	6.67	1456	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 02:00:00	0.1524	13.52	19.55	6.67	1457	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 02:15:00	0.1524	12.6	19.28	6.64	1458	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 02:30:00	0.1524	12.15	19.14	6.64	1463	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 02:45:00	0.1524	12.22	19.13	6.64	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 03:00:00	0.1524	11.95	19.21	6.65	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 03:15:00	0.1524	11.89	19.12	6.65	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 03:30:00	0.1524	11.81	19.02	6.64	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 03:45:00	0.1524	11.69	19.03	6.64	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 04:00:00	0.1524	11.77	19.04	6.65	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 04:15:00	0.1524	11.99	19.23	6.67	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 04:30:00	0.1524	11.28	18.9	6.63	1481	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 04:45:00	0.1524	11.02	18.85	6.63	1481	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 05:00:00	0.1524	10.74	18.82	6.63	1485	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 05:15:00	0.1524	10.79	18.84	6.63	1482	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 05:30:00	0.1524	10.5	18.8	6.63	1486	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 05:45:00	0.1524	10.34	18.76	6.63	1485	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 06:00:00	0.1524	10.58	18.78	6.63	1485	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 06:15:00	0.1524	10.62	18.83	6.64	1485	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 06:30:00	0.1524	10.63	18.84	6.64	1481	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 06:45:00	0.1524	10.83	18.89	6.65	1481	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 07:00:00	0.1524	10.65	18.87	6.65	1481	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 07:15:00	0.1524	10.69	18.91	6.64	1480	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 07:30:00	0.1524	10.88	18.93	6.65	1480	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 07:45:00	0.1524	10.74	18.83	6.64	1484	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 08:00:00	0.1524	10.76	18.94	6.65	1479	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 08:15:00	0.1524	10.84	18.99	6.65	1479	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 08:30:00	0.1524	10.82	19.04	6.65	1478	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 08:45:00	0.1524	10.83	19.09	6.65	1476	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 09:00:00	0.1524	11.19	19.19	6.65	1472	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 09:15:00	0.1524	10.93	19.17	6.65	1477	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 09:30:00	0.1524	10.92	19.18	6.65	1477	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 09:45:00	0.1524	10.88	19.17	6.63	1477	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 10:00:00	0.1524	11.2	19.23	6.65	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 10:15:00	0.1524	11.27	19.28	6.63	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 10:30:00	0.1524	11.3	19.22	6.63	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 10:45:00	0.1524	11.22	19.21	6.64	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 11:00:00	0.1524	11.72	19.34	6.64	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 11:15:00	0.1524	11.69	19.36	6.63	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 11:30:00	0.1524	11.75	19.32	6.63	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 11:45:00	0.1524	11.76	19.35	6.63	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 12:00:00	0.1524	11.59	19.29	6.62	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 12:15:00	0.1524	11.91	19.29	6.63	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 12:30:00	0.1524	11.82	19.39	6.62	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 12:45:00	0.1524	11.97	19.47	6.62	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 13:00:00	0.1524	12.19	19.54	6.63	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 13:15:00	0.1524	12.31	19.48	6.64	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 13:30:00	0.1524	12.69	19.65	6.64	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 13:45:00	0.1524	12.87	19.68	6.64	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 14:00:00	0.1524	12.88	19.53	6.63	1463	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 14:15:00	0.1524	12.79	19.61	6.63	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 14:30:00	0.1524	13.18	19.6	6.63	1461	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 14:45:00	0.1524	13.25	19.61	6.63	1462	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 15:00:00	0.1524	13.54	19.7	6.64	1459	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 15:15:00	0.1524	13.45	19.71	6.64	1455	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 15:30:00	0.1524	13.9	19.77	6.64	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 15:45:00	0.1524	13.91	19.91	6.65	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 16:00:00	0.1524	13.88	19.76	6.64	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 16:15:00	0.1524	13.97	19.8	6.65	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 16:30:00	0.1524	13.88	19.78	6.64	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 16:45:00	0.1524	13.97	19.72	6.64	1472	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 17:00:00	0.1524	14.21	19.77	6.65	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 17:15:00	0.1524	14.2	19.78	6.64	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 17:30:00	0.1524	14.29	19.79	6.65	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 17:45:00	0.1524	14.4	19.83	6.65	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 18:00:00	0.1524	14.64	19.81	6.65	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 18:15:00	0.1524	14.47	19.83	6.65	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 18:30:00	0.1524	14.53	19.83	6.65	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 18:45:00	0.1524	14.37	19.8	6.65	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 19:00:00	0.1524	14.4	19.82	6.65	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 19:15:00	0.1524	14.34	19.8	6.65	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 19:30:00	0.1524	14.33	19.9	6.66	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 19:45:00	0.1524	14.57	19.89	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 20:00:00	0.1524	14.64	19.95	6.66	1463	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 20:15:00	0.1524	14.4	19.83	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 20:30:00	0.1524	14.32	19.86	6.66	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 20:45:00	0.1524	14.28	19.91	6.67	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 21:00:00	0.1524	14.33	19.96	6.67	1459	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 21:15:00	0.1524	14.37	20.1	6.67	1464	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 21:30:00	0.1524	14.03	19.93	6.67	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 21:45:00	0.1524	13.68	19.91	6.66	1464	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 22:00:00	0.1524	13.89	19.95	6.66	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 22:15:00	0.1524	13.45	20	6.66	1429	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 22:30:00	0.1524	13.83	19.73	6.65	1429	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 22:45:00	0.1524	13.97	19.76	6.66	1428	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 23:00:00	0.1524	13.88	19.7	6.65	1430	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 23:15:00	0.1524	13.75	19.71	6.66	1431	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 23:30:00	0.1524	14.05	19.82	6.67	1431	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	11-05-2011 23:45:00	0.1524	13.87	19.78	6.66	1432	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 00:00:00	0.1524	13.72	19.78	6.66	1432	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 00:15:00	0.1524	13.93	19.74	6.66	1433	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 00:30:00	0.1524	13.66	19.76	6.66	1432	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 00:45:00	0.1524	13.91	19.83	6.67	1432	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 01:00:00	0.1524	13.64	19.74	6.66	1434	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 01:15:00	0.1524	13.82	19.77	6.67	1433	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 01:30:00	0.1524	13.82	19.74	6.66	1434	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 01:45:00	0.1524	13.78	19.72	6.68	1435	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 02:00:00	0.1524	13.62	19.73	6.66	1434	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 02:15:00	0.1524	13.53	19.7	6.66	1435	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 02:30:00	0.1524	13.56	19.69	6.66	1452	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 02:45:00	0.1524	13.46	19.63	6.66	1453	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 03:00:00	0.1524	13.43	19.64	6.67	1438	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 03:15:00	0.1524	13.19	19.6	6.66	1437	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 03:30:00	0.1524	13.31	19.6	6.67	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 03:45:00	0.1524	13.04	19.55	6.66	1454	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 04:00:00	0.1524	12.85	19.4	6.65	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 04:15:00	0.1524	12.85	19.43	6.65	1472	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 04:30:00	0.1524	12.67	19.4	6.65	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 04:45:00	0.1524	12.62	19.37	6.65	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 05:00:00	0.1524	12.63	19.39	6.65	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 05:15:00	0.1524	12.61	19.36	6.66	1477	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 05:30:00	0.1524	12.39	19.33	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 05:45:00	0.1524	11.99	19.32	6.66	1477	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 06:00:00	0.1524	12.07	19.3	6.66	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 06:15:00	0.1524	11.86	19.27	6.66	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 06:30:00	0.1524	11.81	19.25	6.66	1475	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 06:45:00	0.1524	11.72	19.25	6.66	1476	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 07:00:00	0.1524	12	19.29	6.66	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 07:15:00	0.1524	12.06	19.28	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 07:30:00	0.1524	11.94	19.31	6.66	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 07:45:00	0.1524	11.95	19.28	6.66	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 08:00:00	0.1524	11.74	19.28	6.66	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 08:15:00	0.1524	11.87	19.31	6.67	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 08:30:00	0.1524	11.57	19.31	6.65	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 08:45:00	0.1524	11.2	19.3	6.65	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 09:00:00	0.1524	11.32	19.36	6.65	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 09:15:00	0.1524	11.21	19.47	6.64	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 09:30:00	0.1524	11.28	19.35	6.64	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 09:45:00	0.1524	11.3	19.47	6.64	1469	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 10:00:00	0.1524	11.55	19.49	6.64	1468	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 10:15:00	0.1524	11.44	19.51	6.63	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 10:30:00	0.1524	11.5	19.46	6.63	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 10:45:00	0.1524	11.43	19.5	6.63	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 11:00:00	0.1524	11.38	19.54	6.62	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 11:15:00	0.1524	11.55	19.53	6.62	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 11:30:00	0.1524	11.66	19.58	6.62	1467	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 11:45:00	0.1524	11.63	19.65	6.62	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 12:00:00	0.1524	11.69	19.64	6.62	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 12:15:00	0.1524	11.82	19.73	6.62	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 12:30:00	0.1524	11.9	19.54	6.62	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 12:45:00	0.1524	11.86	19.65	6.62	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 13:00:00	0.1524	12.01	19.41	6.62	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 13:15:00	0.1524	11.94	19.53	6.62	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 13:30:00	0.1524	11.95	19.48	6.62	1470	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 13:45:00	0.1524	12.07	19.42	6.62	1473	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 14:00:00	0.1524	12.13	19.53	6.62	1471	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 14:15:00	0.1524	12.03	19.5	6.62	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 14:30:00	0.1524	12.25	19.35	6.62	1474	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 14:45:00	0.1524	12.25	19.57	6.62	1469	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 15:00:00	0.1524	12.43	19.4	6.62	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 15:15:00	0.1524	12.81	19.6	6.62	1466	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 15:30:00	0.1524	13.27	19.68	6.63	1465	
DRMW-3	Drummond Co Surface Mine 1 Outfall 3	12-05-2011 15:45:00	0.1524	13.99	19.72	6.63	1467	
INMW-1	Inman Ck	23-05-2011 13:15:00	0.2286	8.83	19.47	6.65	33	
INMW-1	Inman Ck	23-05-2011 13:30:00	0.2286	8.79	19.56	6.73	33	
INMW-1	Inman Ck	23-05-2011 13:45:00	0.2286	8.88	19.63	6.74	32	
INMW-1	Inman Ck	23-05-2011 14:00:00	0.2286	8.89	19.74	6.76	32	
INMW-1	Inman Ck	23-05-2011 14:15:00	0.2286	8.89	19.81	6.77	32	
INMW-1	Inman Ck	23-05-2011 14:30:00	0.2286	8.9	19.88	6.77	32	
INMW-1	Inman Ck	23-05-2011 14:45:00	0.2286	8.88	19.95	6.78	32	
INMW-1	Inman Ck	23-05-2011 15:00:00	0.2286	8.86	20.09	6.78	32	
INMW-1	Inman Ck	23-05-2011 15:15:00	0.2286	8.85	20.21	6.79	32	
INMW-1	Inman Ck	23-05-2011 15:30:00	0.2286	8.81	20.31	6.79	32	
INMW-1	Inman Ck	23-05-2011 15:45:00	0.2286	8.8	20.39	6.79	31	
INMW-1	Inman Ck	23-05-2011 16:00:00	0.2286	8.78	20.45	6.79	31	
INMW-1	Inman Ck	23-05-2011 16:15:00	0.2286	8.76	20.5	6.79	31	
INMW-1	Inman Ck	23-05-2011 16:30:00	0.2286	8.74	20.54	6.79	31	
INMW-1	Inman Ck	23-05-2011 16:45:00	0.2286	8.71	20.56	6.78	31	
INMW-1	Inman Ck	23-05-2011 17:00:00	0.2286	8.68	20.58	6.77	31	
INMW-1	Inman Ck	23-05-2011 17:15:00	0.2286	8.64	20.59	6.77	31	
INMW-1	Inman Ck	23-05-2011 17:30:00	0.2286	8.58	20.59	6.76	31	
INMW-1	Inman Ck	23-05-2011 17:45:00	0.2286	8.55	20.57	6.75	31	
INMW-1	Inman Ck	23-05-2011 18:00:00	0.2286	8.5	20.53	6.74	31	
INMW-1	Inman Ck	23-05-2011 18:15:00	0.2286	8.46	20.5	6.72	31	
INMW-1	Inman Ck	23-05-2011 18:30:00	0.2286	8.42	20.47	6.71	31	
INMW-1	Inman Ck	23-05-2011 18:45:00	0.2286	8.38	20.44	6.69	31	
INMW-1	Inman Ck	23-05-2011 19:00:00	0.2286	8.36	20.4	6.68	31	
INMW-1	Inman Ck	23-05-2011 19:15:00	0.2286	8.33	20.38	6.67	31	
INMW-1	Inman Ck	23-05-2011 19:30:00	0.2286	8.3	20.33	6.66	31	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
INMW-1	Inman Ck	23-05-2011 19:45:00	0.2286	8.26	20.29	6.65	31	
INMW-1	Inman Ck	23-05-2011 20:00:00	0.2286	8.25	20.26	6.64	31	
INMW-1	Inman Ck	23-05-2011 20:15:00	0.2286	8.23	20.22	6.63	31	
INMW-1	Inman Ck	23-05-2011 20:30:00	0.2286	8.21	20.19	6.63	31	
INMW-1	Inman Ck	23-05-2011 20:45:00	0.2286	8.19	20.16	6.63	31	
INMW-1	Inman Ck	23-05-2011 21:00:00	0.2286	8.18	20.15	6.63	31	
INMW-1	Inman Ck	23-05-2011 21:15:00	0.2286	8.17	20.13	6.63	31	
INMW-1	Inman Ck	23-05-2011 21:30:00	0.2286	8.15	20.1	6.62	31	
INMW-1	Inman Ck	23-05-2011 21:45:00	0.2286	8.12	20.08	6.61	31	
INMW-1	Inman Ck	23-05-2011 22:00:00	0.2286	8.12	20.07	6.62	31	
INMW-1	Inman Ck	23-05-2011 22:15:00	0.2286	8.12	20.05	6.62	31	
INMW-1	Inman Ck	23-05-2011 22:30:00	0.2286	8.1	20.03	6.61	31	
INMW-1	Inman Ck	23-05-2011 22:45:00	0.2286	8.11	20.01	6.6	31	
INMW-1	Inman Ck	23-05-2011 23:00:00	0.2286	8.09	19.99	6.61	31	
INMW-1	Inman Ck	23-05-2011 23:15:00	0.2286	8.09	19.97	6.6	31	
INMW-1	Inman Ck	23-05-2011 23:30:00	0.2286	8.09	19.94	6.6	31	
INMW-1	Inman Ck	23-05-2011 23:45:00	0.2286	8.09	19.91	6.59	31	
INMW-1	Inman Ck	24-05-2011 00:00:00	0.2286	8.05	19.88	6.58	31	
INMW-1	Inman Ck	24-05-2011 00:15:00	0.2286	8.08	19.85	6.6	31	
INMW-1	Inman Ck	24-05-2011 00:30:00	0.2286	8.07	19.82	6.59	31	
INMW-1	Inman Ck	24-05-2011 00:45:00	0.2286	8.07	19.78	6.59	31	
INMW-1	Inman Ck	24-05-2011 01:00:00	0.2286	8.08	19.75	6.59	31	
INMW-1	Inman Ck	24-05-2011 01:15:00	0.2286	8.08	19.72	6.59	31	
INMW-1	Inman Ck	24-05-2011 01:30:00	0.2286	8.08	19.67	6.58	31	
INMW-1	Inman Ck	24-05-2011 01:45:00	0.2286	8.08	19.63	6.59	31	
INMW-1	Inman Ck	24-05-2011 02:00:00	0.2286	8.09	19.59	6.58	31	
INMW-1	Inman Ck	24-05-2011 02:15:00	0.2286	8.08	19.55	6.58	31	
INMW-1	Inman Ck	24-05-2011 02:30:00	0.2286	8.09	19.51	6.58	31	
INMW-1	Inman Ck	24-05-2011 02:45:00	0.2286	8.1	19.48	6.58	31	
INMW-1	Inman Ck	24-05-2011 03:00:00	0.2286	8.1	19.44	6.58	31	
INMW-1	Inman Ck	24-05-2011 03:15:00	0.2286	8.11	19.4	6.58	31	
INMW-1	Inman Ck	24-05-2011 03:30:00	0.2286	8.11	19.35	6.57	31	
INMW-1	Inman Ck	24-05-2011 03:45:00	0.2286	8.12	19.31	6.58	31	
INMW-1	Inman Ck	24-05-2011 04:00:00	0.2286	8.14	19.27	6.58	31	
INMW-1	Inman Ck	24-05-2011 04:15:00	0.2286	8.14	19.23	6.57	31	
INMW-1	Inman Ck	24-05-2011 04:30:00	0.2286	8.15	19.19	6.58	31	
INMW-1	Inman Ck	24-05-2011 04:45:00	0.2286	8.15	19.14	6.58	31	
INMW-1	Inman Ck	24-05-2011 05:00:00	0.2286	8.16	19.09	6.57	31	
INMW-1	Inman Ck	24-05-2011 05:15:00	0.2286	8.18	19.05	6.57	31	
INMW-1	Inman Ck	24-05-2011 05:30:00	0.2286	8.18	19.01	6.58	31	
INMW-1	Inman Ck	24-05-2011 05:45:00	0.2286	8.19	18.97	6.57	31	
INMW-1	Inman Ck	24-05-2011 06:00:00	0.2286	8.21	18.93	6.57	31	
INMW-1	Inman Ck	24-05-2011 06:15:00	0.2286	8.22	18.89	6.57	31	
INMW-1	Inman Ck	24-05-2011 06:30:00	0.2286	8.23	18.85	6.57	31	
INMW-1	Inman Ck	24-05-2011 06:45:00	0.2286	8.24	18.82	6.57	31	
INMW-1	Inman Ck	24-05-2011 07:00:00	0.2286	8.27	18.8	6.59	31	
INMW-1	Inman Ck	24-05-2011 07:15:00	0.2286	8.29	18.78	6.59	31	
INMW-1	Inman Ck	24-05-2011 07:30:00	0.2286	8.3	18.78	6.59	31	
INMW-1	Inman Ck	24-05-2011 07:45:00	0.2286	8.32	18.77	6.6	31	
INMW-1	Inman Ck	24-05-2011 08:00:00	0.2286	8.35	18.76	6.6	31	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
INMW-1	Inman Ck	24-05-2011 08:15:00	0.2286	8.36	18.76	6.61	31	
INMW-1	Inman Ck	24-05-2011 08:30:00	0.2286	8.39	18.77	6.6	31	
INMW-1	Inman Ck	24-05-2011 08:45:00	0.2286	8.41	18.79	6.61	31	
INMW-1	Inman Ck	24-05-2011 09:00:00	0.2286	8.45	18.83	6.61	31	
INMW-1	Inman Ck	24-05-2011 09:15:00	0.2286	8.49	18.86	6.62	31	
INMW-1	Inman Ck	24-05-2011 09:30:00	0.2286	8.5	18.9	6.63	31	
INMW-1	Inman Ck	24-05-2011 09:45:00	0.2286	8.53	18.94	6.64	31	
INMW-1	Inman Ck	24-05-2011 10:00:00	0.2286	8.55	18.99	6.65	31	
INMW-1	Inman Ck	24-05-2011 10:15:00	0.2286	8.56	19.03	6.65	31	
INMW-1	Inman Ck	24-05-2011 10:30:00	0.2286	8.58	19.08	6.67	31	
INMW-1	Inman Ck	24-05-2011 10:45:00	0.2286	8.62	19.15	6.68	31	
INMW-1	Inman Ck	24-05-2011 11:00:00	0.2286	8.66	19.26	6.7	31	
INMW-1	Inman Ck	24-05-2011 11:15:00	0.2286	8.71	19.4	6.7	31	
INMW-1	Inman Ck	24-05-2011 11:30:00	0.2286	8.72	19.5	6.71	31	
INMW-1	Inman Ck	24-05-2011 11:45:00	0.2286	8.76	19.67	6.73	31	
INMW-1	Inman Ck	24-05-2011 12:00:00	0.2286	8.76	19.77	6.74	31	
INMW-1	Inman Ck	24-05-2011 12:15:00	0.2286	8.79	19.93	6.75	31	
INMW-1	Inman Ck	24-05-2011 12:30:00	0.2286	8.78	19.92	6.76	31	
INMW-1	Inman Ck	24-05-2011 12:45:00	0.2286	8.79	19.95	6.76	31	
INMW-1	Inman Ck	24-05-2011 13:00:00	0.2286	8.81	20.01	6.76	31	
INMW-1	Inman Ck	24-05-2011 13:15:00	0.2286	8.81	20.08	6.77	31	
INMW-1	Inman Ck	24-05-2011 13:30:00	0.2286	8.81	20.2	6.77	31	
INMW-1	Inman Ck	24-05-2011 13:45:00	0.2286	8.78	20.27	6.77	31	
INMW-1	Inman Ck	24-05-2011 14:00:00	0.2286	8.79	20.39	6.79	31	
INMW-1	Inman Ck	24-05-2011 14:15:00	0.2286	8.78	20.48	6.79	31	
INMW-1	Inman Ck	24-05-2011 14:30:00	0.2286	8.77	20.57	6.79	31	
INMW-1	Inman Ck	24-05-2011 14:45:00	0.2286	8.75	20.69	6.78	31	
INMW-1	Inman Ck	24-05-2011 15:00:00	0.2286	8.74	20.81	6.79	31	
INMW-1	Inman Ck	24-05-2011 15:15:00	0.2286	8.71	20.9	6.79	30	
INMW-1	Inman Ck	24-05-2011 15:30:00	0.2286	8.7	20.99	6.79	30	
INMW-1	Inman Ck	24-05-2011 15:45:00	0.2286	8.67	21.04	6.78	30	
INMW-1	Inman Ck	24-05-2011 16:00:00	0.2286	8.65	21.1	6.78	30	
INMW-1	Inman Ck	24-05-2011 16:15:00	0.2286	8.62	21.15	6.76	30	
INMW-1	Inman Ck	24-05-2011 16:30:00	0.2286	8.59	21.17	6.77	30	
INMW-1	Inman Ck	24-05-2011 16:45:00	0.2286	8.56	21.18	6.77	30	
INMW-1	Inman Ck	24-05-2011 17:00:00	0.2286	8.53	21.19	6.76	30	
INMW-1	Inman Ck	24-05-2011 17:15:00	0.2286	8.49	21.2	6.75	30	
INMW-1	Inman Ck	24-05-2011 17:30:00	0.2286	8.42	21.16	6.73	30	
INMW-1	Inman Ck	24-05-2011 17:45:00	0.2286	8.38	21.14	6.72	30	
INMW-1	Inman Ck	24-05-2011 18:00:00	0.2286	8.34	21.12	6.71	30	
INMW-1	Inman Ck	24-05-2011 18:15:00	0.2286	8.3	21.1	6.7	30	
INMW-1	Inman Ck	24-05-2011 18:30:00	0.2286	8.26	21.09	6.67	30	
INMW-1	Inman Ck	24-05-2011 18:45:00	0.2286	8.21	21.07	6.68	30	
INMW-1	Inman Ck	24-05-2011 19:00:00	0.2286	8.17	21.05	6.66	30	
INMW-1	Inman Ck	24-05-2011 19:15:00	0.2286	8.15	21.03	6.64	30	
INMW-1	Inman Ck	24-05-2011 19:30:00	0.2286	8.12	21	6.63	30	
INMW-1	Inman Ck	24-05-2011 19:45:00	0.2286	8.09	20.98	6.63	30	
INMW-1	Inman Ck	24-05-2011 20:00:00	0.2286	8.06	20.95	6.62	30	
INMW-1	Inman Ck	24-05-2011 20:15:00	0.2286	8.04	20.93	6.62	30	
INMW-1	Inman Ck	24-05-2011 20:30:00	0.2286	8.02	20.9	6.61	30	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
INMW-1	Inman Ck	24-05-2011 20:45:00	0.2286	8.01	20.87	6.61	30	
INMW-1	Inman Ck	24-05-2011 21:00:00	0.2286	7.99	20.85	6.62	30	
INMW-1	Inman Ck	24-05-2011 21:15:00	0.2286	7.98	20.82	6.61	30	
INMW-1	Inman Ck	24-05-2011 21:30:00	0.2286	7.97	20.79	6.6	30	
INMW-1	Inman Ck	24-05-2011 21:45:00	0.2286	7.96	20.77	6.61	30	
INMW-1	Inman Ck	24-05-2011 22:00:00	0.2286	7.95	20.74	6.6	30	
INMW-1	Inman Ck	24-05-2011 22:15:00	0.2286	7.94	20.71	6.6	30	
INMW-1	Inman Ck	24-05-2011 22:30:00	0.2286	7.94	20.67	6.59	30	
INMW-1	Inman Ck	24-05-2011 22:45:00	0.2286	7.93	20.64	6.59	31	
INMW-1	Inman Ck	24-05-2011 23:00:00	0.2286	7.93	20.61	6.59	31	
INMW-1	Inman Ck	24-05-2011 23:15:00	0.2286	7.92	20.57	6.59	31	
INMW-1	Inman Ck	24-05-2011 23:30:00	0.2286	7.92	20.53	6.59	31	
INMW-1	Inman Ck	24-05-2011 23:45:00	0.2286	7.92	20.49	6.58	31	
INMW-1	Inman Ck	25-05-2011 00:00:00	0.2286	7.92	20.44	6.58	31	
INMW-1	Inman Ck	25-05-2011 00:15:00	0.2286	7.93	20.39	6.58	31	
INMW-1	Inman Ck	25-05-2011 00:30:00	0.2286	7.92	20.35	6.58	31	
INMW-1	Inman Ck	25-05-2011 00:45:00	0.2286	7.93	20.3	6.57	31	
INMW-1	Inman Ck	25-05-2011 01:00:00	0.2286	7.93	20.26	6.57	31	
INMW-1	Inman Ck	25-05-2011 01:15:00	0.2286	7.94	20.21	6.57	31	
INMW-1	Inman Ck	25-05-2011 01:30:00	0.2286	7.93	20.17	6.57	31	
INMW-1	Inman Ck	25-05-2011 01:45:00	0.2286	7.94	20.12	6.57	31	
INMW-1	Inman Ck	25-05-2011 02:00:00	0.2286	7.95	20.07	6.56	31	
INMW-1	Inman Ck	25-05-2011 02:15:00	0.2286	7.96	20.02	6.56	32	
INMW-1	Inman Ck	25-05-2011 02:30:00	0.2286	7.96	19.99	6.56	32	
INMW-1	Inman Ck	25-05-2011 02:45:00	0.2286	7.96	19.95	6.57	32	
INMW-1	Inman Ck	25-05-2011 03:00:00	0.2286	7.96	19.9	6.57	32	
INMW-1	Inman Ck	25-05-2011 03:15:00	0.2286	7.97	19.87	6.57	32	
INMW-1	Inman Ck	25-05-2011 03:30:00	0.2286	7.98	19.82	6.56	32	
INMW-1	Inman Ck	25-05-2011 03:45:00	0.2286	7.98	19.78	6.56	32	
INMW-1	Inman Ck	25-05-2011 04:00:00	0.2286	7.99	19.74	6.56	31	
INMW-1	Inman Ck	25-05-2011 04:15:00	0.2286	8	19.71	6.57	31	
INMW-1	Inman Ck	25-05-2011 04:30:00	0.2286	8	19.68	6.56	31	
INMW-1	Inman Ck	25-05-2011 04:45:00	0.2286	8	19.64	6.56	32	
INMW-1	Inman Ck	25-05-2011 05:00:00	0.2286	8.01	19.6	6.56	31	
INMW-1	Inman Ck	25-05-2011 05:15:00	0.2286	8.02	19.57	6.56	31	
INMW-1	Inman Ck	25-05-2011 05:30:00	0.2286	8.02	19.54	6.56	32	
INMW-1	Inman Ck	25-05-2011 05:45:00	0.2286	8.03	19.52	6.57	31	
INMW-1	Inman Ck	25-05-2011 06:00:00	0.2286	8.04	19.5	6.56	31	
INMW-1	Inman Ck	25-05-2011 06:15:00	0.2286	8.04	19.48	6.57	31	
INMW-1	Inman Ck	25-05-2011 06:30:00	0.2286	8.05	19.47	6.57	31	
INMW-1	Inman Ck	25-05-2011 06:45:00	0.2286	8.08	19.46	6.57	31	
INMW-1	Inman Ck	25-05-2011 07:00:00	0.2286	8.09	19.46	6.57	31	
INMW-1	Inman Ck	25-05-2011 07:15:00	0.2286	8.08	19.46	6.57	31	
INMW-1	Inman Ck	25-05-2011 07:30:00	0.2286	8.11	19.46	6.57	31	
INMW-1	Inman Ck	25-05-2011 07:45:00	0.2286	8.13	19.46	6.58	31	
INMW-1	Inman Ck	25-05-2011 08:00:00	0.2286	8.15	19.48	6.58	31	
INMW-1	Inman Ck	25-05-2011 08:15:00	0.2286	8.18	19.49	6.58	31	
INMW-1	Inman Ck	25-05-2011 08:30:00	0.2286	8.19	19.51	6.6	31	
INMW-1	Inman Ck	25-05-2011 08:45:00	0.2286	8.21	19.54	6.6	31	
INMW-1	Inman Ck	25-05-2011 09:00:00	0.2286	8.23	19.56	6.61	32	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
INMW-1	Inman Ck	25-05-2011 09:15:00	0.2286	8.25	19.6	6.61	31	
INMW-1	Inman Ck	25-05-2011 09:30:00	0.2286	8.28	19.64	6.62	31	
INMW-1	Inman Ck	25-05-2011 09:45:00	0.2286	8.31	19.7	6.64	31	
INMW-1	Inman Ck	25-05-2011 10:00:00	0.2286	8.35	19.76	6.65	31	
INMW-1	Inman Ck	25-05-2011 10:15:00	0.2286	8.38	19.84	6.65	32	
INMW-1	Inman Ck	25-05-2011 10:30:00	0.2286	8.41	19.91	6.66	32	
INMW-1	Inman Ck	25-05-2011 10:45:00	0.2286	8.43	19.96	6.67	32	
INMW-1	Inman Ck	25-05-2011 11:00:00	0.2286	8.44	20.02	6.68	32	
INMW-1	Inman Ck	25-05-2011 11:15:00	0.2286	8.46	20.07	6.69	31	
INMW-1	Inman Ck	25-05-2011 11:30:00	0.2286	8.49	20.15	6.7	31	
INMW-1	Inman Ck	25-05-2011 11:45:00	0.2286	8.51	20.25	6.71	31	
INMW-1	Inman Ck	25-05-2011 12:00:00	0.2286	8.53	20.36	6.72	32	
INMW-1	Inman Ck	25-05-2011 12:15:00	0.2286	8.55	20.48	6.72	32	
INMW-1	Inman Ck	25-05-2011 12:30:00	0.2286	8.57	20.6	6.73	32	
INMW-1	Inman Ck	25-05-2011 12:45:00	0.2286	8.58	20.7	6.74	32	
INMW-1	Inman Ck	25-05-2011 13:00:00	0.2286	8.59	20.74	6.75	32	
INMW-1	Inman Ck	25-05-2011 13:15:00	0.2286	8.57	20.78	6.74	31	
INMW-1	Inman Ck	25-05-2011 13:30:00	0.2286	8.56	20.85	6.75	31	
INMW-1	Inman Ck	25-05-2011 13:45:00	0.2286	8.57	20.92	6.75	31	
INMW-1	Inman Ck	25-05-2011 14:00:00	0.2286	8.57	20.98	6.75	31	
INMW-1	Inman Ck	25-05-2011 14:15:00	0.2286	8.55	21.06	6.76	31	
INMW-1	Inman Ck	25-05-2011 14:30:00	0.2286	8.54	21.14	6.77	31	
INMW-1	Inman Ck	25-05-2011 14:45:00	0.2286	8.52	21.22	6.76	31	
INMW-1	Inman Ck	25-05-2011 15:00:00	0.2286	8.52	21.31	6.77	31	
INMW-1	Inman Ck	25-05-2011 15:15:00	0.2286	8.5	21.39	6.76	31	
INMW-1	Inman Ck	25-05-2011 15:30:00	0.2286	8.5	21.47	6.76	31	
INMW-1	Inman Ck	25-05-2011 15:45:00	0.2286	8.46	21.53	6.77	31	
INMW-1	Inman Ck	25-05-2011 16:00:00	0.2286	8.45	21.61	6.76	31	
INMW-1	Inman Ck	25-05-2011 16:15:00	0.2286	8.44	21.66	6.76	31	
INMW-1	Inman Ck	25-05-2011 16:30:00	0.2286	8.39	21.65	6.76	31	
INMW-1	Inman Ck	25-05-2011 16:45:00	0.2286	8.37	21.66	6.75	31	
INMW-1	Inman Ck	25-05-2011 17:00:00	0.2286	8.32	21.64	6.73	31	
INMW-1	Inman Ck	25-05-2011 17:15:00	0.2286	8.3	21.67	6.73	31	
INMW-1	Inman Ck	25-05-2011 17:30:00	0.2286	8.26	21.68	6.72	31	
INMW-1	Inman Ck	25-05-2011 17:45:00	0.2286	8.22	21.68	6.71	31	
INMW-1	Inman Ck	25-05-2011 18:00:00	0.2286	8.18	21.66	6.69	31	
INMW-1	Inman Ck	25-05-2011 18:15:00	0.2286	8.13	21.65	6.69	31	
INMW-1	Inman Ck	25-05-2011 18:30:00	0.2286	8.09	21.63	6.68	31	
INMW-1	Inman Ck	25-05-2011 18:45:00	0.2286	8.05	21.61	6.67	31	
INMW-1	Inman Ck	25-05-2011 19:00:00	0.2286	8	21.59	6.66	31	
INMW-1	Inman Ck	25-05-2011 19:15:00	0.2286	7.97	21.57	6.66	31	
INMW-1	Inman Ck	25-05-2011 19:30:00	0.2286	7.94	21.56	6.65	31	
INMW-1	Inman Ck	25-05-2011 19:45:00	0.2286	7.91	21.53	6.64	31	
INMW-1	Inman Ck	25-05-2011 20:00:00	0.2286	7.88	21.51	6.63	31	
INMW-1	Inman Ck	25-05-2011 20:15:00	0.2286	7.85	21.49	6.63	32	
INMW-1	Inman Ck	25-05-2011 20:30:00	0.2286	7.83	21.46	6.62	30	
INMW-1	Inman Ck	25-05-2011 20:45:00	0.2286	7.8	21.43	6.61	30	
INMW-1	Inman Ck	25-05-2011 21:00:00	0.2286	7.8	21.4	6.61	30	
INMW-1	Inman Ck	25-05-2011 21:15:00	0.2286	7.78	21.36	6.6	31	
INMW-1	Inman Ck	25-05-2011 21:30:00	0.2286	7.77	21.34	6.6	31	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
INMW-1	Inman Ck	25-05-2011 21:45:00	0.2286	7.76	21.31	6.59	31	
INMW-1	Inman Ck	25-05-2011 22:00:00	0.2286	7.75	21.28	6.59	31	
INMW-1	Inman Ck	25-05-2011 22:15:00	0.2286	7.74	21.26	6.59	31	
INMW-1	Inman Ck	25-05-2011 22:30:00	0.2286	7.73	21.24	6.59	31	
INMW-1	Inman Ck	25-05-2011 22:45:00	0.2286	7.73	21.22	6.59	32	
INMW-1	Inman Ck	25-05-2011 23:00:00	0.2286	7.73	21.21	6.58	32	
INMW-1	Inman Ck	25-05-2011 23:15:00	0.2286	7.73	21.19	6.58	32	
INMW-1	Inman Ck	25-05-2011 23:30:00	0.2286	7.71	21.17	6.57	32	
INMW-1	Inman Ck	25-05-2011 23:45:00	0.2286	7.71	21.15	6.58	31	
INMW-1	Inman Ck	26-05-2011 00:00:00	0.2286	7.7	21.13	6.57	31	
INMW-1	Inman Ck	26-05-2011 00:15:00	0.2286	7.7	21.11	6.57	31	
INMW-1	Inman Ck	26-05-2011 00:30:00	0.2286	7.71	21.07	6.56	31	
INMW-1	Inman Ck	26-05-2011 00:45:00	0.2286	7.81	20.84	6.54	31	
INMW-1	Inman Ck	26-05-2011 01:00:00	0.2286	7.91	20.69	6.54	31	
INMW-1	Inman Ck	26-05-2011 01:15:00	0.2286	7.93	20.58	6.54	31	
INMW-1	Inman Ck	26-05-2011 01:30:00	0.2286	7.91	20.48	6.52	31	
INMW-1	Inman Ck	26-05-2011 01:45:00	0.2286	7.88	20.41	6.51	31	
INMW-1	Inman Ck	26-05-2011 02:00:00	0.2286	7.86	20.35	6.51	30	
INMW-1	Inman Ck	26-05-2011 02:15:00	0.2286	7.86	20.28	6.51	30	
INMW-1	Inman Ck	26-05-2011 02:30:00	0.2286	7.91	20.21	6.5	29	
INMW-1	Inman Ck	26-05-2011 02:45:00	0.2286	7.96	20.12	6.5	29	
INMW-1	Inman Ck	26-05-2011 03:00:00	0.2286	7.96	20.04	6.49	29	
INMW-1	Inman Ck	26-05-2011 03:15:00	0.2286	7.93	19.98	6.51	30	
INMW-1	Inman Ck	26-05-2011 03:30:00	0.2286	7.94	19.91	6.51	30	
INMW-1	Inman Ck	26-05-2011 03:45:00	0.2286	7.95	19.87	6.52	29	
INMW-1	Inman Ck	26-05-2011 04:00:00	0.2286	7.97	19.83	6.53	30	
INMW-1	Inman Ck	26-05-2011 04:15:00	0.2286	7.99	19.78	6.53	29	
INMW-1	Inman Ck	26-05-2011 04:30:00	0.2286	8	19.74	6.55	29	
INMW-1	Inman Ck	26-05-2011 04:45:00	0.2286	8.02	19.71	6.56	29	
INMW-1	Inman Ck	26-05-2011 05:00:00	0.2286	8.04	19.66	6.56	29	
INMW-1	Inman Ck	26-05-2011 05:15:00	0.2286	8.06	19.62	6.58	30	
INMW-1	Inman Ck	26-05-2011 05:30:00	0.2286	8.07	19.57	6.6	30	
INMW-1	Inman Ck	26-05-2011 05:45:00	0.2286	8.09	19.53	6.61	31	
INMW-1	Inman Ck	26-05-2011 06:00:00	0.2286	8.1	19.49	6.62	31	
INMW-1	Inman Ck	26-05-2011 06:15:00	0.2286	8.1	19.46	6.62	31	
INMW-1	Inman Ck	26-05-2011 06:30:00	0.2286	8.08	19.42	6.61	31	
INMW-1	Inman Ck	26-05-2011 06:45:00	0.2286	8.09	19.38	6.61	31	
INMW-1	Inman Ck	26-05-2011 07:00:00	0.2286	8.09	19.33	6.58	31	
INMW-1	Inman Ck	26-05-2011 07:15:00	0.2286	8.08	19.28	6.57	31	
INMW-1	Inman Ck	26-05-2011 07:30:00	0.2286	8.08	19.22	6.57	31	
INMW-1	Inman Ck	26-05-2011 07:45:00	0.2286	8.11	19.16	6.55	31	
INMW-1	Inman Ck	26-05-2011 08:00:00	0.2286	8.16	19.12	6.56	31	
INMW-1	Inman Ck	26-05-2011 08:15:00	0.2286	8.19	19.09	6.57	31	
INMW-1	Inman Ck	26-05-2011 08:30:00	0.2286	8.24	19.06	6.57	31	
INMW-1	Inman Ck	26-05-2011 08:45:00	0.2286	8.29	19.07	6.6	31	
INMW-1	Inman Ck	26-05-2011 09:00:00	0.2286	8.3	19.07	6.6	31	
INMW-1	Inman Ck	26-05-2011 09:15:00	0.2286	8.35	19.08	6.59	31	
INMW-1	Inman Ck	26-05-2011 09:30:00	0.2286	8.36	19.09	6.62	31	
INMW-1	Inman Ck	26-05-2011 09:45:00	0.2286	8.37	19.11	6.62	31	
INMW-1	Inman Ck	26-05-2011 10:00:00	0.2286	8.39	19.12	6.64	31	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
INMW-1	Inman Ck	26-05-2011 10:15:00	0.2286	8.41	19.15	6.66	31	
SPRW-51	Spring Ck	23-05-2011 15:30:00	0.18288	13.84	27.55	7.7	1112	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 15:45:00	0.18288	14.07	27.62	7.71	1094	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 16:00:00	0.18288	14.01	27.75	7.73	1075	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 16:15:00	0.18288	13.92	27.79	7.74	1064	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 16:30:00	0.18288	14.02	27.89	7.76	1041	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 16:45:00	0.18288	14.09	28	7.78	1024	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 17:00:00	0.18288	14.51	28.03	7.78	1027	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 17:15:00	0.18288	15.23	28.13	7.79	1022	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 17:30:00	0.18288	14.95	28.17	7.82	1000	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 17:45:00	0.18288	14.43	28.11	7.8	983	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 18:00:00	0.18288	15.49	28.14	7.82	974	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 18:15:00	0.18288	14.88	28.06	7.81	970	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 18:30:00	0.18288	14.15	28.01	7.8	962	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 18:45:00	0.18288	14.01	27.98	7.79	967	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 19:00:00	0.18288	13.85	27.96	7.78	955	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 19:15:00	0.18288	13.37	27.94	7.78	1193	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 19:30:00	0.18288	13.61	27.9	7.77	1186	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 19:45:00	0.18288	13.6	27.86	7.77	1175	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 20:00:00	0.18288	13.89	27.8	7.77	1172	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 20:15:00	0.18288	13.59	27.74	7.76	1160	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 20:30:00	0.18288	13.58	27.68	7.76	1156	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 20:45:00	0.18288	13.55	27.59	7.76	1150	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 21:00:00	0.18288	13.47	27.52	7.76	1145	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 21:15:00	0.18288	13.24	27.45	7.74	1145	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 21:30:00	0.18288	13.03	27.37	7.73	1137	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	23-05-2011 21:45:00	0.18288	13.23	27.29	7.72	1135	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 22:00:00	0.18288	13.22	27.21	7.71	1130	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 22:15:00	0.18288	13.14	27.12	7.7	1124	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 22:30:00	0.18288	13.19	27.03	7.7	1122	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 22:45:00	0.18288	12.99	26.96	7.68	1115	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 23:00:00	0.18288	13.15	26.85	7.67	1107	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 23:15:00	0.18288	12.9	26.79	7.66	1106	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 23:30:00	0.18288	12.82	26.72	7.65	1193	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	23-05-2011 23:45:00	0.18288	12.8	26.64	7.64	1188	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 00:00:00	0.18288	12.37	26.57	7.62	1186	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 00:15:00	0.18288	12	26.5	7.6	1187	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 00:30:00	0.18288	11.73	26.42	7.59	1185	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 00:45:00	0.18288	11.45	26.33	7.57	1182	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 01:00:00	0.18288	11.21	26.26	7.56	1182	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 01:15:00	0.18288	11.2	26.17	7.55	1180	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 01:30:00	0.18288	10.79	26.08	7.53	1181	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 01:45:00	0.18288	10.48	26	7.52	1184	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 02:00:00	0.18288	10.26	25.92	7.51	1184	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 02:15:00	0.18288	10.08	25.84	7.5	1183	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 02:30:00	0.18288	9.86	25.75	7.49	1181	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 02:45:00	0.18288	9.47	25.68	7.47	1181	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 03:00:00	0.18288	9.28	25.58	7.46	1183	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 03:15:00	0.18288	9.12	25.49	7.45	1183	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 03:30:00	0.18288	9.05	25.41	7.44	1182	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 03:45:00	0.18288	8.45	25.31	7.42	1185	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 04:00:00	0.18288	8.12	25.24	7.41	1187	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	24-05-2011 04:15:00	0.18288	7.94	25.15	7.41	1189	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 04:30:00	0.18288	7.7	25.06	7.4	1191	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 04:45:00	0.18288	7.35	24.98	7.39	1195	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 05:00:00	0.18288	7.13	24.89	7.38	1196	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 05:15:00	0.18288	6.81	24.81	7.37	1199	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 05:30:00	0.18288	6.6	24.72	7.37	1201	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 05:45:00	0.18288	6.38	24.64	7.36	1204	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 06:00:00	0.18288	6.32	24.56	7.36	1205	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 06:15:00	0.18288	6.13	24.49	7.35	1208	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 06:30:00	0.18288	6	24.43	7.35	1209	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 06:45:00	0.18288	5.93	24.36	7.35	1212	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 07:00:00	0.18288	5.89	24.32	7.35	1212	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 07:15:00	0.18288	5.89	24.29	7.35	1215	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 07:30:00	0.18288	6	24.3	7.35	1214	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 07:45:00	0.18288	6.17	24.33	7.36	1214	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 08:00:00	0.18288	6.23	24.32	7.36	1213	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 08:15:00	0.18288	6.38	24.31	7.37	1212	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 08:30:00	0.18288	6.51	24.32	7.37	1213	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 08:45:00	0.18288	6.68	24.34	7.38	1212	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 09:00:00	0.18288	7.01	24.4	7.39	1208	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 09:15:00	0.18288	7.73	24.5	7.41	1203	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 09:30:00	0.18288	7.82	24.55	7.41	1205	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 09:45:00	0.18288	7.95	24.61	7.42	1205	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 10:00:00	0.18288	8.05	24.67	7.44	1205	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 10:15:00	0.18288	8.34	24.69	7.45	1204	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 10:30:00	0.18288	8.6	24.75	7.46	1203	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	24-05-2011 10:45:00	0.18288	9.16	24.89	7.48	1198	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 11:00:00	0.18288	9.29	24.93	7.49	1196	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 11:15:00	0.18288	9.67	24.97	7.51	1195	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 11:30:00	0.18288	10.16	25.07	7.53	1190	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 11:45:00	0.18288	10.29	25.16	7.54	1194	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 12:00:00	0.18288	10.89	25.37	7.57	1192	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 12:15:00	0.18288	11.44	25.52	7.59	1189	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 12:30:00	0.18288	11.73	25.65	7.6	1181	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 12:45:00	0.18288	11.94	25.81	7.62	1177	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 13:00:00	0.18288	12.13	25.96	7.64	1175	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 13:15:00	0.18288	12.34	26.17	7.66	1172	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 13:30:00	0.18288	12.49	26.32	7.67	1168	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 13:45:00	0.18288	12.63	26.55	7.68	1167	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 14:00:00	0.18288	12.86	26.78	7.7	1166	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 14:15:00	0.18288	12.92	26.98	7.72	1163	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 14:30:00	0.18288	13.05	27.09	7.72	1157	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 14:45:00	0.18288	13.21	27.27	7.73	1151	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 15:00:00	0.18288	13.76	27.53	7.77	1156	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 15:15:00	0.18288	13.65	27.67	7.76	1152	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 15:30:00	0.18288	13.87	27.69	7.77	1148	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 15:45:00	0.18288	14.1	27.78	7.77	1146	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 16:00:00	0.18288	14.49	27.89	7.78	1141	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 16:15:00	0.18288	14.36	27.92	7.78	1135	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 16:30:00	0.18288	14.32	27.99	7.78	1132	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 16:45:00	0.18288	14.43	28.05	7.79	1126	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 17:00:00	0.18288	14.83	28.12	7.79	1122	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	24-05-2011 17:15:00	0.18288	15.1	28.18	7.8	1105	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 17:30:00	0.18288	14.64	28.17	7.8	1101	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 17:45:00	0.18288	14.53	28.14	7.79	1098	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 18:00:00	0.18288	14.34	28.12	7.78	1088	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 18:15:00	0.18288	14.84	28.11	7.79	1085	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 18:30:00	0.18288	14.36	28.09	7.79	1076	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 18:45:00	0.18288	14.26	28.06	7.78	1070	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 19:00:00	0.18288	14.21	28.02	7.78	1075	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 19:15:00	0.18288	13.95	27.97	7.77	1065	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 19:30:00	0.18288	13.65	27.93	7.76	1056	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 19:45:00	0.18288	13.54	27.87	7.76	1055	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 20:00:00	0.18288	13.23	27.82	7.75	1049	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 20:15:00	0.18288	13.21	27.77	7.75	1046	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 20:30:00	0.18288	13.03	27.71	7.74	1042	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 20:45:00	0.18288	12.99	27.65	7.74	1033	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 21:00:00	0.18288	12.83	27.58	7.74	1028	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 21:15:00	0.18288	12.76	27.5	7.74	1025	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 21:30:00	0.18288	12.68	27.42	7.73	1021	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 21:45:00	0.18288	12.74	27.31	7.73	1018	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 22:00:00	0.18288	12.82	27.19	7.73	1011	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 22:15:00	0.18288	12.75	27.12	7.72	1005	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 22:30:00	0.18288	12.56	27.05	7.7	1001	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 22:45:00	0.18288	12.61	26.97	7.69	995	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 23:00:00	0.18288	12.49	26.89	7.67	1005	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 23:15:00	0.18288	12.59	26.78	7.67	997	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	24-05-2011 23:30:00	0.18288	12.28	26.69	7.65	990	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	24-05-2011 23:45:00	0.18288	12.04	26.61	7.63	987	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 00:00:00	0.18288	11.87	26.52	7.62	981	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 00:15:00	0.18288	11.58	26.43	7.61	978	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 00:30:00	0.18288	11.53	26.37	7.6	995	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 00:45:00	0.18288	11.32	26.29	7.59	996	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 01:00:00	0.18288	11.09	26.21	7.58	997	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 01:15:00	0.18288	11.09	26.14	7.58	1001	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 01:30:00	0.18288	10.87	26.06	7.57	999	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 01:45:00	0.18288	10.77	25.99	7.56	998	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 02:00:00	0.18288	10.85	25.92	7.56	995	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 02:15:00	0.18288	10.86	25.86	7.56	994	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 02:30:00	0.18288	10.19	25.78	7.54	1008	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 02:45:00	0.18288	9.78	25.7	7.53	1010	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 03:00:00	0.18288	9.67	25.64	7.52	1008	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 03:15:00	0.18288	9.57	25.57	7.52	1008	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 03:30:00	0.18288	9.48	25.49	7.51	1009	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 03:45:00	0.18288	9.35	25.42	7.51	1015	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 04:00:00	0.18288	8.91	25.35	7.49	1016	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 04:15:00	0.18288	8.63	25.28	7.48	1018	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 04:30:00	0.18288	8.41	25.21	7.48	1019	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 04:45:00	0.18288	8.22	25.15	7.47	1015	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 05:00:00	0.18288	7.91	25.09	7.46	1018	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 05:15:00	0.18288	7.79	25.02	7.46	1020	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 05:30:00	0.18288	7.58	24.96	7.45	1021	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 05:45:00	0.18288	7.43	24.92	7.44	1022	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 06:00:00	0.18288	7.2	24.88	7.44	1025	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	25-05-2011 06:15:00	0.18288	6.98	24.84	7.43	1028	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 06:30:00	0.18288	6.98	24.8	7.42	1029	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 06:45:00	0.18288	7.06	24.77	7.42	1034	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 07:00:00	0.18288	7.03	24.74	7.42	1036	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 07:15:00	0.18288	7.01	24.71	7.42	1036	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 07:30:00	0.18288	7	24.69	7.42	1037	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 07:45:00	0.18288	6.87	24.68	7.42	1038	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 08:00:00	0.18288	7.08	24.67	7.42	1038	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 08:15:00	0.18288	7.15	24.68	7.42	1038	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 08:30:00	0.18288	7.45	24.72	7.43	1037	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 08:45:00	0.18288	7.75	24.74	7.44	1034	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 09:00:00	0.18288	8.06	24.77	7.45	1033	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 09:15:00	0.18288	7.98	24.8	7.45	1035	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 09:30:00	0.18288	8.2	24.86	7.45	1035	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 09:45:00	0.18288	8.22	24.91	7.45	1036	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 10:00:00	0.18288	8.38	24.97	7.46	1035	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 10:15:00	0.18288	9.23	25.19	7.49	1030	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 10:30:00	0.18288	9.25	25.21	7.49	1031	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 10:45:00	0.18288	9.1	25.24	7.49	1035	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 11:00:00	0.18288	9.38	25.35	7.5	1032	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 11:15:00	0.18288	9.48	25.41	7.51	1033	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 11:30:00	0.18288	10	25.6	7.53	1030	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 11:45:00	0.18288	10.37	25.67	7.55	1027	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 12:00:00	0.18288	10.56	25.82	7.56	1025	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 12:15:00	0.18288	10.78	25.91	7.57	1023	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 12:30:00	0.18288	11.12	26.11	7.59	1020	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	25-05-2011 12:45:00	0.18288	11.26	26.21	7.6	1016	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 13:00:00	0.18288	11.32	26.42	7.61	1012	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 13:15:00	0.18288	11.61	26.64	7.62	1006	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 13:30:00	0.18288	11.46	26.69	7.62	1005	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 13:45:00	0.18288	11.45	26.74	7.62	1004	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 14:00:00	0.18288	11.49	26.88	7.64	1007	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 14:15:00	0.18288	11.67	27	7.63	1003	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 14:30:00	0.18288	11.73	27.15	7.64	999	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 14:45:00	0.18288	11.92	27.33	7.65	1001	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 15:00:00	0.18288	12.25	27.5	7.66	1000	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 15:15:00	0.18288	12.5	27.65	7.67	999	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 15:30:00	0.18288	12.37	27.78	7.67	996	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 15:45:00	0.18288	12.48	27.93	7.67	994	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 16:00:00	0.18288	12.81	28.11	7.68	992	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 16:15:00	0.18288	12.84	28.11	7.69	989	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 16:30:00	0.18288	12.98	28.13	7.7	990	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 16:45:00	0.18288	12.96	28.21	7.7	986	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 17:00:00	0.18288	13.19	28.24	7.7	982	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 17:15:00	0.18288	13.3	28.31	7.72	979	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 17:30:00	0.18288	13.36	28.38	7.73	979	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 17:45:00	0.18288	13.24	28.39	7.73	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 18:00:00	0.18288	13.16	28.37	7.73	973	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 18:15:00	0.18288	13.03	28.35	7.73	975	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 18:30:00	0.18288	12.91	28.31	7.73	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 18:45:00	0.18288	12.92	28.27	7.73	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 19:00:00	0.18288	13	28.22	7.73	973	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	25-05-2011 19:15:00	0.18288	12.96	28.17	7.73	969	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 19:30:00	0.18288	12.73	28.12	7.72	970	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 19:45:00	0.18288	12.56	28.07	7.72	970	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 20:00:00	0.18288	12.24	28.03	7.71	972	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 20:15:00	0.18288	12.17	27.97	7.71	974	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 20:30:00	0.18288	12.07	27.91	7.71	974	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 20:45:00	0.18288	11.93	27.84	7.71	974	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 21:00:00	0.18288	11.87	27.77	7.71	981	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 21:15:00	0.18288	11.76	27.7	7.71	978	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 21:30:00	0.18288	11.67	27.62	7.71	977	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 21:45:00	0.18288	11.6	27.54	7.71	973	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 22:00:00	0.18288	11.56	27.47	7.7	978	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 22:15:00	0.18288	11.62	27.39	7.7	974	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 22:30:00	0.18288	11.64	27.31	7.7	975	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 22:45:00	0.18288	11.77	27.23	7.7	974	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 23:00:00	0.18288	11.8	27.14	7.7	973	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 23:15:00	0.18288	11.75	27.05	7.69	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 23:30:00	0.18288	11.6	26.98	7.68	973	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	25-05-2011 23:45:00	0.18288	11.38	26.91	7.67	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 00:00:00	0.18288	11.21	26.84	7.65	978	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 00:15:00	0.18288	11.28	26.77	7.64	977	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 00:30:00	0.18288	11.79	26.68	7.64	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 00:45:00	0.18288	12.97	26.55	7.66	969	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 01:00:00	0.18288	11.88	25.71	7.67	949	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 01:15:00	0.18288	10.44	25.65	7.64	959	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 01:30:00	0.18288	9.81	25.58	7.63	956	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	26-05-2011 01:45:00	0.18288	9.56	25.45	7.62	956	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 02:00:00	0.18288	8.88	25.29	7.61	944	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 02:15:00	0.18288	8.14	25.13	7.58	1143	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 02:30:00	0.18288	7.75	24.82	7.57	1135	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 02:45:00	0.18288	7.44	24.56	7.56	1116	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 03:00:00	0.18288	7.13	23.96	7.55	1083	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 03:15:00	0.18288	6.93	23	7.51	975	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 03:30:00	0.18288	8.06	21.38	7.35	635	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 03:45:00	0.18288	8.21	21.2	7.35	567	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 04:00:00	0.18288	8.37	21.3	7.37	571	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 04:15:00	0.18288	8.58	21.61	7.42	632	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 04:30:00	0.18288	8.84	22.02	7.5	711	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 04:45:00	0.18288	9.04	22.34	7.57	780	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 05:00:00	0.18288	9.12	22.6	7.6	828	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 05:15:00	0.18288	9.14	22.77	7.63	875	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 05:30:00	0.18288	9.14	22.9	7.64	909	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 05:45:00	0.18288	9.11	22.96	7.65	924	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 06:00:00	0.18288	9.05	22.98	7.65	934	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 06:15:00	0.18288	8.98	23.02	7.65	952	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 06:30:00	0.18288	8.93	23.01	7.64	961	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 06:45:00	0.18288	8.88	23.02	7.64	967	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 07:00:00	0.18288	8.85	23.04	7.64	973	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 07:15:00	0.18288	8.82	23.07	7.64	979	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 07:30:00	0.18288	8.78	23.09	7.64	983	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 07:45:00	0.18288	8.72	23.12	7.63	987	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 08:00:00	0.18288	8.65	23.14	7.63	993	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	26-05-2011 08:15:00	0.18288	8.61	23.17	7.62	992	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 08:30:00	0.18288	8.54	23.19	7.62	994	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 08:45:00	0.18288	8.5	23.23	7.62	1001	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 09:00:00	0.18288	8.44	23.28	7.62	1005	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 09:15:00	0.18288	8.39	23.32	7.61	1003	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 09:30:00	0.18288	8.37	23.43	7.61	1003	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 09:45:00	0.18288	8.37	23.47	7.61	1000	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 10:00:00	0.18288	8.33	23.53	7.6	999	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 10:15:00	0.18288	8.32	23.68	7.6	997	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 10:30:00	0.18288	8.43	23.7	7.61	1002	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 10:45:00	0.18288	8.31	23.79	7.6	997	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 11:00:00	0.18288	8.34	23.87	7.59	991	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 11:15:00	0.18288	8.32	24.01	7.59	985	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 11:30:00	0.18288	8.32	24.04	7.59	977	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 11:45:00	0.18288	8.26	24.05	7.58	984	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 12:00:00	0.18288	8.27	24.13	7.58	981	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 12:15:00	0.18288	8.21	24.16	7.58	978	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 12:30:00	0.18288	8.26	24.43	7.58	976	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 12:45:00	0.18288	8.29	24.53	7.58	975	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 13:00:00	0.18288	8.3	24.71	7.58	982	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 13:15:00	0.18288	8.25	24.82	7.58	977	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 13:30:00	0.18288	8.32	24.9	7.58	971	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 13:45:00	0.18288	8.3	24.96	7.58	979	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 14:00:00	0.18288	8.36	25.04	7.58	985	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 14:15:00	0.18288	8.35	25.05	7.58	984	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 14:30:00	0.18288	8.37	24.99	7.58	985	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-51	Spring Ck	26-05-2011 14:45:00	0.18288	8.51	25.11	7.58	987	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 15:00:00	0.18288	8.75	25.1	7.59	983	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-51	Spring Ck	26-05-2011 15:15:00	0.18288	8.82	25.21	7.6	982	PH/COND failed to post-calibrate. Regression on pH values, kept conductivity data as is
SPRW-52	Spring Ck	23-05-2011 14:45:00	0.12192	5.9	20.98	6.29	61	
SPRW-52	Spring Ck	23-05-2011 15:00:00	0.12192	5.63	21.12	6.29	61	
SPRW-52	Spring Ck	23-05-2011 15:15:00	0.12192	5.53	21.2	6.3	61	
SPRW-52	Spring Ck	23-05-2011 15:30:00	0.12192	5.46	21.3	6.3	60	
SPRW-52	Spring Ck	23-05-2011 15:45:00	0.12192	5.39	21.36	6.3	61	
SPRW-52	Spring Ck	23-05-2011 16:00:00	0.12192	5.33	21.39	6.29	60	
SPRW-52	Spring Ck	23-05-2011 16:15:00	0.12192	5.26	21.37	6.32	60	
SPRW-52	Spring Ck	23-05-2011 16:30:00	0.12192	5.22	21.35	6.31	60	
SPRW-52	Spring Ck	23-05-2011 16:45:00	0.12192	5.2	21.35	6.31	60	
SPRW-52	Spring Ck	23-05-2011 17:00:00	0.12192	5.17	21.36	6.32	59	
SPRW-52	Spring Ck	23-05-2011 17:15:00	0.12192	5.19	21.35	6.32	59	
SPRW-52	Spring Ck	23-05-2011 17:30:00	0.12192	5.19	21.32	6.31	59	
SPRW-52	Spring Ck	23-05-2011 17:45:00	0.12192	5.14	21.3	6.32	60	
SPRW-52	Spring Ck	23-05-2011 18:00:00	0.12192	5.1	21.27	6.33	60	
SPRW-52	Spring Ck	23-05-2011 18:15:00	0.12192	5.13	21.25	6.33	59	
SPRW-52	Spring Ck	23-05-2011 18:30:00	0.12192	5.08	21.19	6.33	59	
SPRW-52	Spring Ck	23-05-2011 18:45:00	0.12192	5.1	21.16	6.33	59	
SPRW-52	Spring Ck	23-05-2011 19:00:00	0.12192	5.09	21.12	6.33	58	
SPRW-52	Spring Ck	23-05-2011 19:15:00	0.12192	5.06	21.08	6.33	58	
SPRW-52	Spring Ck	23-05-2011 19:30:00	0.12192	5.03	21.02	6.33	57	
SPRW-52	Spring Ck	23-05-2011 19:45:00	0.12192	4.99	20.95	6.33	57	
SPRW-52	Spring Ck	23-05-2011 20:00:00	0.12192	4.96	20.94	6.33	57	
SPRW-52	Spring Ck	23-05-2011 20:15:00	0.12192	4.94	20.88	6.33	57	
SPRW-52	Spring Ck	23-05-2011 20:30:00	0.12192	4.91	20.86	6.33	56	
SPRW-52	Spring Ck	23-05-2011 20:45:00	0.12192	4.92	20.82	6.33	56	
SPRW-52	Spring Ck	23-05-2011 21:00:00	0.12192	4.93	20.81	6.34	56	
SPRW-52	Spring Ck	23-05-2011 21:15:00	0.12192	4.93	20.78	6.34	56	
SPRW-52	Spring Ck	23-05-2011 21:30:00	0.12192	4.92	20.75	6.34	56	
SPRW-52	Spring Ck	23-05-2011 21:45:00	0.12192	4.91	20.74	6.34	56	
SPRW-52	Spring Ck	23-05-2011 22:00:00	0.12192	4.93	20.71	6.34	55	
SPRW-52	Spring Ck	23-05-2011 22:15:00	0.12192	4.94	20.7	6.35	55	
SPRW-52	Spring Ck	23-05-2011 22:30:00	0.12192	4.92	20.67	6.34	55	
SPRW-52	Spring Ck	23-05-2011 22:45:00	0.12192	4.89	20.65	6.35	55	
SPRW-52	Spring Ck	23-05-2011 23:00:00	0.12192	4.91	20.62	6.35	55	
SPRW-52	Spring Ck	23-05-2011 23:15:00	0.12192	4.87	20.6	6.35	55	
SPRW-52	Spring Ck	23-05-2011 23:30:00	0.12192	4.91	20.58	6.35	55	
SPRW-52	Spring Ck	23-05-2011 23:45:00	0.12192	4.91	20.56	6.35	55	
SPRW-52	Spring Ck	24-05-2011 00:00:00	0.12192	4.91	20.55	6.35	55	
SPRW-52	Spring Ck	24-05-2011 00:15:00	0.12192	4.9	20.52	6.35	55	
SPRW-52	Spring Ck	24-05-2011 00:30:00	0.12192	4.89	20.51	6.35	55	
SPRW-52	Spring Ck	24-05-2011 00:45:00	0.12192	4.86	20.5	6.35	55	
SPRW-52	Spring Ck	24-05-2011 01:00:00	0.12192	4.88	20.48	6.35	55	
SPRW-52	Spring Ck	24-05-2011 01:15:00	0.12192	4.9	20.46	6.35	55	
SPRW-52	Spring Ck	24-05-2011 01:30:00	0.12192	4.9	20.45	6.35	55	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-52	Spring Ck	24-05-2011 01:45:00	0.12192	4.87	20.42	6.35	55	
SPRW-52	Spring Ck	24-05-2011 02:00:00	0.12192	4.9	20.41	6.35	55	
SPRW-52	Spring Ck	24-05-2011 02:15:00	0.12192	4.88	20.39	6.35	55	
SPRW-52	Spring Ck	24-05-2011 02:30:00	0.12192	4.92	20.37	6.35	55	
SPRW-52	Spring Ck	24-05-2011 02:45:00	0.12192	4.92	20.34	6.35	55	
SPRW-52	Spring Ck	24-05-2011 03:00:00	0.12192	4.93	20.32	6.35	55	
SPRW-52	Spring Ck	24-05-2011 03:15:00	0.12192	4.9	20.3	6.35	55	
SPRW-52	Spring Ck	24-05-2011 03:30:00	0.12192	4.94	20.28	6.35	54	
SPRW-52	Spring Ck	24-05-2011 03:45:00	0.12192	4.94	20.26	6.36	54	
SPRW-52	Spring Ck	24-05-2011 04:00:00	0.12192	4.94	20.24	6.36	54	
SPRW-52	Spring Ck	24-05-2011 04:15:00	0.12192	4.97	20.21	6.36	54	
SPRW-52	Spring Ck	24-05-2011 04:30:00	0.12192	4.94	20.19	6.35	54	
SPRW-52	Spring Ck	24-05-2011 04:45:00	0.12192	4.96	20.17	6.35	54	
SPRW-52	Spring Ck	24-05-2011 05:00:00	0.12192	4.98	20.13	6.36	54	
SPRW-52	Spring Ck	24-05-2011 05:15:00	0.12192	4.97	20.12	6.36	54	
SPRW-52	Spring Ck	24-05-2011 05:30:00	0.12192	4.98	20.1	6.36	54	
SPRW-52	Spring Ck	24-05-2011 05:45:00	0.12192	4.97	20.07	6.36	54	
SPRW-52	Spring Ck	24-05-2011 06:00:00	0.12192	4.95	20.05	6.36	54	
SPRW-52	Spring Ck	24-05-2011 06:15:00	0.12192	4.96	20.02	6.36	54	
SPRW-52	Spring Ck	24-05-2011 06:30:00	0.12192	4.94	20	6.36	54	
SPRW-52	Spring Ck	24-05-2011 06:45:00	0.12192	4.95	19.98	6.36	54	
SPRW-52	Spring Ck	24-05-2011 07:00:00	0.12192	4.9	19.97	6.36	54	
SPRW-52	Spring Ck	24-05-2011 07:15:00	0.12192	4.86	19.95	6.36	54	
SPRW-52	Spring Ck	24-05-2011 07:30:00	0.12192	4.89	19.95	6.36	54	
SPRW-52	Spring Ck	24-05-2011 07:45:00	0.12192	4.9	19.95	6.36	54	
SPRW-52	Spring Ck	24-05-2011 08:00:00	0.12192	4.86	19.95	6.36	54	
SPRW-52	Spring Ck	24-05-2011 08:15:00	0.12192	4.84	19.96	6.36	54	
SPRW-52	Spring Ck	24-05-2011 08:30:00	0.12192	4.86	19.96	6.36	54	
SPRW-52	Spring Ck	24-05-2011 08:45:00	0.12192	4.83	19.99	6.36	54	
SPRW-52	Spring Ck	24-05-2011 09:00:00	0.12192	4.81	20.01	6.36	54	
SPRW-52	Spring Ck	24-05-2011 09:15:00	0.12192	4.82	20.05	6.37	54	
SPRW-52	Spring Ck	24-05-2011 09:30:00	0.12192	4.83	20.06	6.36	54	
SPRW-52	Spring Ck	24-05-2011 09:45:00	0.12192	4.81	20.1	6.34	54	
SPRW-52	Spring Ck	24-05-2011 10:00:00	0.12192	4.82	20.15	6.36	54	
SPRW-52	Spring Ck	24-05-2011 10:15:00	0.12192	4.87	20.18	6.37	54	
SPRW-52	Spring Ck	24-05-2011 10:30:00	0.12192	4.91	20.25	6.37	54	
SPRW-52	Spring Ck	24-05-2011 10:45:00	0.12192	4.94	20.29	6.37	55	
SPRW-52	Spring Ck	24-05-2011 11:00:00	0.12192	4.93	20.37	6.38	55	
SPRW-52	Spring Ck	24-05-2011 11:15:00	0.12192	4.91	20.38	6.38	55	
SPRW-52	Spring Ck	24-05-2011 11:30:00	0.12192	4.89	20.42	6.37	55	
SPRW-52	Spring Ck	24-05-2011 11:45:00	0.12192	4.93	20.5	6.38	55	
SPRW-52	Spring Ck	24-05-2011 12:00:00	0.12192	4.92	20.54	6.38	55	
SPRW-52	Spring Ck	24-05-2011 12:15:00	0.12192	4.86	20.62	6.38	55	
SPRW-52	Spring Ck	24-05-2011 12:30:00	0.12192	4.85	20.68	6.37	55	
SPRW-52	Spring Ck	24-05-2011 12:45:00	0.12192	4.83	20.8	6.37	55	
SPRW-52	Spring Ck	24-05-2011 13:00:00	0.12192	4.8	20.86	6.37	55	
SPRW-52	Spring Ck	24-05-2011 13:15:00	0.12192	4.81	20.9	6.38	55	
SPRW-52	Spring Ck	24-05-2011 13:30:00	0.12192	4.8	21.02	6.38	55	
SPRW-52	Spring Ck	24-05-2011 13:45:00	0.12192	4.85	21.13	6.38	55	
SPRW-52	Spring Ck	24-05-2011 14:00:00	0.12192	4.87	21.28	6.39	55	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-52	Spring Ck	24-05-2011 14:15:00	0.12192	4.87	21.37	6.38	55	
SPRW-52	Spring Ck	24-05-2011 14:30:00	0.12192	4.9	21.5	6.38	55	
SPRW-52	Spring Ck	24-05-2011 14:45:00	0.12192	4.86	21.54	6.38	55	
SPRW-52	Spring Ck	24-05-2011 15:00:00	0.12192	4.9	21.64	6.38	55	
SPRW-52	Spring Ck	24-05-2011 15:15:00	0.12192	4.91	21.69	6.38	55	
SPRW-52	Spring Ck	24-05-2011 15:30:00	0.12192	4.87	21.78	6.38	55	
SPRW-52	Spring Ck	24-05-2011 15:45:00	0.12192	4.91	21.84	6.39	55	
SPRW-52	Spring Ck	24-05-2011 16:00:00	0.12192	4.85	21.86	6.38	55	
SPRW-52	Spring Ck	24-05-2011 16:15:00	0.12192	4.84	21.81	6.38	55	
SPRW-52	Spring Ck	24-05-2011 16:30:00	0.12192	4.88	21.9	6.38	55	
SPRW-52	Spring Ck	24-05-2011 16:45:00	0.12192	4.87	21.88	6.38	55	
SPRW-52	Spring Ck	24-05-2011 17:00:00	0.12192	4.83	21.85	6.37	55	
SPRW-52	Spring Ck	24-05-2011 17:15:00	0.12192	4.77	21.78	6.37	55	
SPRW-52	Spring Ck	24-05-2011 17:30:00	0.12192	4.79	21.76	6.37	55	
SPRW-52	Spring Ck	24-05-2011 17:45:00	0.12192	4.74	21.74	6.37	55	
SPRW-52	Spring Ck	24-05-2011 18:00:00	0.12192	4.76	21.69	6.37	55	
SPRW-52	Spring Ck	24-05-2011 18:15:00	0.12192	4.69	21.66	6.37	55	
SPRW-52	Spring Ck	24-05-2011 18:30:00	0.12192	4.65	21.6	6.37	55	
SPRW-52	Spring Ck	24-05-2011 18:45:00	0.12192	4.62	21.56	6.36	55	
SPRW-52	Spring Ck	24-05-2011 19:00:00	0.12192	4.59	21.49	6.36	55	
SPRW-52	Spring Ck	24-05-2011 19:15:00	0.12192	4.6	21.45	6.36	55	
SPRW-52	Spring Ck	24-05-2011 19:30:00	0.12192	4.56	21.41	6.36	56	
SPRW-52	Spring Ck	24-05-2011 19:45:00	0.12192	4.53	21.36	6.36	56	
SPRW-52	Spring Ck	24-05-2011 20:00:00	0.12192	4.55	21.33	6.36	56	
SPRW-52	Spring Ck	24-05-2011 20:15:00	0.12192	4.5	21.3	6.36	55	
SPRW-52	Spring Ck	24-05-2011 20:30:00	0.12192	4.51	21.25	6.36	55	
SPRW-52	Spring Ck	24-05-2011 20:45:00	0.12192	4.5	21.21	6.37	56	
SPRW-52	Spring Ck	24-05-2011 21:00:00	0.12192	4.47	21.18	6.37	56	
SPRW-52	Spring Ck	24-05-2011 21:15:00	0.12192	4.46	21.15	6.37	56	
SPRW-52	Spring Ck	24-05-2011 21:30:00	0.12192	4.5	21.13	6.37	56	
SPRW-52	Spring Ck	24-05-2011 21:45:00	0.12192	4.47	21.09	6.37	56	
SPRW-52	Spring Ck	24-05-2011 22:00:00	0.12192	4.49	21.07	6.37	56	
SPRW-52	Spring Ck	24-05-2011 22:15:00	0.12192	4.51	21.04	6.37	56	
SPRW-52	Spring Ck	24-05-2011 22:30:00	0.12192	4.44	21.01	6.37	56	
SPRW-52	Spring Ck	24-05-2011 22:45:00	0.12192	4.5	20.98	6.37	56	
SPRW-52	Spring Ck	24-05-2011 23:00:00	0.12192	4.5	20.94	6.37	56	
SPRW-52	Spring Ck	24-05-2011 23:15:00	0.12192	4.48	20.9	6.37	56	
SPRW-52	Spring Ck	24-05-2011 23:30:00	0.12192	4.49	20.86	6.37	56	
SPRW-52	Spring Ck	24-05-2011 23:45:00	0.12192	4.49	20.81	6.37	56	
SPRW-52	Spring Ck	25-05-2011 00:00:00	0.12192	4.46	20.77	6.37	56	
SPRW-52	Spring Ck	25-05-2011 00:15:00	0.12192	4.5	20.75	6.37	56	
SPRW-52	Spring Ck	25-05-2011 00:30:00	0.12192	4.49	20.7	6.37	56	
SPRW-52	Spring Ck	25-05-2011 00:45:00	0.12192	4.48	20.69	6.37	56	
SPRW-52	Spring Ck	25-05-2011 01:00:00	0.12192	4.53	20.66	6.37	56	
SPRW-52	Spring Ck	25-05-2011 01:15:00	0.12192	4.57	20.63	6.37	56	
SPRW-52	Spring Ck	25-05-2011 01:30:00	0.12192	4.49	20.61	6.37	56	
SPRW-52	Spring Ck	25-05-2011 01:45:00	0.12192	4.5	20.59	6.37	56	
SPRW-52	Spring Ck	25-05-2011 02:00:00	0.12192	4.52	20.57	6.37	56	
SPRW-52	Spring Ck	25-05-2011 02:15:00	0.12192	4.53	20.55	6.37	56	
SPRW-52	Spring Ck	25-05-2011 02:30:00	0.12192	4.49	20.53	6.37	56	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-52	Spring Ck	25-05-2011 02:45:00	0.12192	4.59	20.5	6.37	56	
SPRW-52	Spring Ck	25-05-2011 03:00:00	0.12192	4.6	20.48	6.37	56	
SPRW-52	Spring Ck	25-05-2011 03:15:00	0.12192	4.53	20.45	6.38	56	
SPRW-52	Spring Ck	25-05-2011 03:30:00	0.12192	4.59	20.44	6.38	56	
SPRW-52	Spring Ck	25-05-2011 03:45:00	0.12192	4.59	20.42	6.37	55	
SPRW-52	Spring Ck	25-05-2011 04:00:00	0.12192	4.6	20.4	6.38	55	
SPRW-52	Spring Ck	25-05-2011 04:15:00	0.12192	4.61	20.38	6.38	55	
SPRW-52	Spring Ck	25-05-2011 04:30:00	0.12192	4.6	20.36	6.38	55	
SPRW-52	Spring Ck	25-05-2011 04:45:00	0.12192	4.6	20.34	6.39	55	
SPRW-52	Spring Ck	25-05-2011 05:00:00	0.12192	4.65	20.31	6.39	55	
SPRW-52	Spring Ck	25-05-2011 05:15:00	0.12192	4.61	20.31	6.38	55	
SPRW-52	Spring Ck	25-05-2011 05:30:00	0.12192	4.6	20.3	6.38	55	
SPRW-52	Spring Ck	25-05-2011 05:45:00	0.12192	4.58	20.28	6.38	55	
SPRW-52	Spring Ck	25-05-2011 06:00:00	0.12192	4.59	20.27	6.38	55	
SPRW-52	Spring Ck	25-05-2011 06:15:00	0.12192	4.6	20.26	6.39	55	
SPRW-52	Spring Ck	25-05-2011 06:30:00	0.12192	4.62	20.26	6.39	55	
SPRW-52	Spring Ck	25-05-2011 06:45:00	0.12192	4.61	20.26	6.39	55	
SPRW-52	Spring Ck	25-05-2011 07:00:00	0.12192	4.63	20.26	6.39	55	
SPRW-52	Spring Ck	25-05-2011 07:15:00	0.12192	4.63	20.26	6.39	55	
SPRW-52	Spring Ck	25-05-2011 07:30:00	0.12192	4.59	20.27	6.39	55	
SPRW-52	Spring Ck	25-05-2011 07:45:00	0.12192	4.63	20.28	6.39	55	
SPRW-52	Spring Ck	25-05-2011 08:00:00	0.12192	4.65	20.29	6.39	55	
SPRW-52	Spring Ck	25-05-2011 08:15:00	0.12192	4.6	20.32	6.39	55	
SPRW-52	Spring Ck	25-05-2011 08:30:00	0.12192	4.58	20.34	6.39	55	
SPRW-52	Spring Ck	25-05-2011 08:45:00	0.12192	4.64	20.38	6.39	55	
SPRW-52	Spring Ck	25-05-2011 09:00:00	0.12192	4.63	20.41	6.4	55	
SPRW-52	Spring Ck	25-05-2011 09:15:00	0.12192	4.66	20.45	6.4	55	
SPRW-52	Spring Ck	25-05-2011 09:30:00	0.12192	4.69	20.49	6.4	55	
SPRW-52	Spring Ck	25-05-2011 09:45:00	0.12192	4.73	20.54	6.4	56	
SPRW-52	Spring Ck	25-05-2011 10:00:00	0.12192	4.74	20.59	6.41	56	
SPRW-52	Spring Ck	25-05-2011 10:15:00	0.12192	4.72	20.63	6.39	56	
SPRW-52	Spring Ck	25-05-2011 10:30:00	0.12192	4.68	20.67	6.41	56	
SPRW-52	Spring Ck	25-05-2011 10:45:00	0.12192	4.68	20.75	6.41	56	
SPRW-52	Spring Ck	25-05-2011 11:00:00	0.12192	4.65	20.81	6.41	56	
SPRW-52	Spring Ck	25-05-2011 11:15:00	0.12192	4.69	20.88	6.4	56	
SPRW-52	Spring Ck	25-05-2011 11:30:00	0.12192	4.65	20.97	6.41	56	
SPRW-52	Spring Ck	25-05-2011 11:45:00	0.12192	4.68	21.01	6.41	56	
SPRW-52	Spring Ck	25-05-2011 12:00:00	0.12192	4.68	21.11	6.41	56	
SPRW-52	Spring Ck	25-05-2011 12:15:00	0.12192	4.63	21.17	6.41	56	
SPRW-52	Spring Ck	25-05-2011 12:30:00	0.12192	4.62	21.23	6.39	56	
SPRW-52	Spring Ck	25-05-2011 12:45:00	0.12192	4.6	21.33	6.41	56	
SPRW-52	Spring Ck	25-05-2011 13:00:00	0.12192	4.57	21.42	6.41	56	
SPRW-52	Spring Ck	25-05-2011 13:15:00	0.12192	4.6	21.51	6.41	56	
SPRW-52	Spring Ck	25-05-2011 13:30:00	0.12192	4.64	21.63	6.41	56	
SPRW-52	Spring Ck	25-05-2011 13:45:00	0.12192	4.57	21.79	6.41	56	
SPRW-52	Spring Ck	25-05-2011 14:00:00	0.12192	4.56	21.82	6.4	56	
SPRW-52	Spring Ck	25-05-2011 14:15:00	0.12192	4.65	22.07	6.42	56	
SPRW-52	Spring Ck	25-05-2011 14:30:00	0.12192	4.55	21.99	6.41	56	
SPRW-52	Spring Ck	25-05-2011 14:45:00	0.12192	4.63	22.16	6.41	56	
SPRW-52	Spring Ck	25-05-2011 15:00:00	0.12192	4.63	22.1	6.41	56	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-52	Spring Ck	25-05-2011 15:15:00	0.12192	4.68	22.3	6.41	56	
SPRW-52	Spring Ck	25-05-2011 15:30:00	0.12192	4.61	22.35	6.42	56	
SPRW-52	Spring Ck	25-05-2011 15:45:00	0.12192	4.7	22.58	6.43	56	
SPRW-52	Spring Ck	25-05-2011 16:00:00	0.12192	4.7	22.45	6.41	56	
SPRW-52	Spring Ck	25-05-2011 16:15:00	0.12192	4.61	22.37	6.41	56	
SPRW-52	Spring Ck	25-05-2011 16:30:00	0.12192	4.65	22.41	6.41	56	
SPRW-52	Spring Ck	25-05-2011 16:45:00	0.12192	4.56	22.42	6.4	56	
SPRW-52	Spring Ck	25-05-2011 17:00:00	0.12192	4.48	22.31	6.4	56	
SPRW-52	Spring Ck	25-05-2011 17:15:00	0.12192	4.47	22.37	6.4	56	
SPRW-52	Spring Ck	25-05-2011 17:30:00	0.12192	4.46	22.29	6.4	56	
SPRW-52	Spring Ck	25-05-2011 17:45:00	0.12192	4.46	22.27	6.4	56	
SPRW-52	Spring Ck	25-05-2011 18:00:00	0.12192	4.43	22.19	6.39	56	
SPRW-52	Spring Ck	25-05-2011 18:15:00	0.12192	4.46	22.26	6.4	56	
SPRW-52	Spring Ck	25-05-2011 18:30:00	0.12192	4.38	22.11	6.39	57	
SPRW-52	Spring Ck	25-05-2011 18:45:00	0.12192	4.37	22.07	6.39	56	
SPRW-52	Spring Ck	25-05-2011 19:00:00	0.12192	4.3	22.04	6.39	56	
SPRW-52	Spring Ck	25-05-2011 19:15:00	0.12192	4.3	21.99	6.38	57	
SPRW-52	Spring Ck	25-05-2011 19:30:00	0.12192	4.22	21.92	6.38	57	
SPRW-52	Spring Ck	25-05-2011 19:45:00	0.12192	4.19	21.89	6.38	57	
SPRW-52	Spring Ck	25-05-2011 20:00:00	0.12192	4.15	21.87	6.38	57	
SPRW-52	Spring Ck	25-05-2011 20:15:00	0.12192	4.19	21.84	6.38	57	
SPRW-52	Spring Ck	25-05-2011 20:30:00	0.12192	4.16	21.82	6.38	57	
SPRW-52	Spring Ck	25-05-2011 20:45:00	0.12192	4.2	21.75	6.38	57	
SPRW-52	Spring Ck	25-05-2011 21:00:00	0.12192	4.19	21.74	6.38	57	
SPRW-52	Spring Ck	25-05-2011 21:15:00	0.12192	4.14	21.7	6.38	57	
SPRW-52	Spring Ck	25-05-2011 21:30:00	0.12192	4.18	21.68	6.38	57	
SPRW-52	Spring Ck	25-05-2011 21:45:00	0.12192	4.15	21.66	6.39	57	
SPRW-52	Spring Ck	25-05-2011 22:00:00	0.12192	4.14	21.65	6.39	57	
SPRW-52	Spring Ck	25-05-2011 22:15:00	0.12192	4.19	21.62	6.39	57	
SPRW-52	Spring Ck	25-05-2011 22:30:00	0.12192	4.2	21.62	6.39	57	
SPRW-52	Spring Ck	25-05-2011 22:45:00	0.12192	4.15	21.6	6.39	57	
SPRW-52	Spring Ck	25-05-2011 23:00:00	0.12192	4.21	21.6	6.39	57	
SPRW-52	Spring Ck	25-05-2011 23:15:00	0.12192	4.21	21.58	6.39	57	
SPRW-52	Spring Ck	25-05-2011 23:30:00	0.12192	4.19	21.57	6.39	57	
SPRW-52	Spring Ck	25-05-2011 23:45:00	0.12192	4.18	21.56	6.39	57	
SPRW-52	Spring Ck	26-05-2011 00:00:00	0.12192	4.19	21.55	6.39	57	
SPRW-52	Spring Ck	26-05-2011 00:15:00	0.12192	4.22	21.56	6.39	57	
SPRW-52	Spring Ck	26-05-2011 00:30:00	0.12192	4.22	21.54	6.39	57	
SPRW-52	Spring Ck	26-05-2011 00:45:00	0.12192	4.3	21.56	6.4	57	
SPRW-52	Spring Ck	26-05-2011 01:00:00	0.12192	4.67	21.26	6.4	56	
SPRW-52	Spring Ck	26-05-2011 01:15:00	0.12192	4.72	21.16	6.43	56	
SPRW-52	Spring Ck	26-05-2011 01:30:00	0.12192	4.7	21.11	6.42	56	
SPRW-52	Spring Ck	26-05-2011 01:45:00	0.12192	4.61	21.03	6.42	56	
SPRW-52	Spring Ck	26-05-2011 02:00:00	0.12192	4.6	20.95	6.41	56	
SPRW-52	Spring Ck	26-05-2011 02:15:00	0.12192	4.51	20.87	6.4	56	
SPRW-52	Spring Ck	26-05-2011 02:30:00	0.12192	4.54	20.79	6.4	56	
SPRW-52	Spring Ck	26-05-2011 02:45:00	0.12192	4.72	20.69	6.41	55	
SPRW-52	Spring Ck	26-05-2011 03:00:00	0.12192	5.2	20.59	6.44	54	
SPRW-52	Spring Ck	26-05-2011 03:15:00	0.12192	5.42	20.54	6.45	53	
SPRW-52	Spring Ck	26-05-2011 03:30:00	0.12192	5.37	20.45	6.44	53	

Station ID	Locale Name	Activity Date/Time	Depth (m)	DO	H ₂ O Temp °C	pH	Conductivity µmhos/cm	Station Visit Comments
SPRW-52	Spring Ck	26-05-2011 03:45:00	0.12192	5.32	20.41	6.43	54	
SPRW-52	Spring Ck	26-05-2011 04:00:00	0.12192	5.39	20.37	6.43	54	
SPRW-52	Spring Ck	26-05-2011 04:15:00	0.12192	5.4	20.35	6.43	54	
SPRW-52	Spring Ck	26-05-2011 04:30:00	0.12192	5.4	20.34	6.43	54	
SPRW-52	Spring Ck	26-05-2011 04:45:00	0.12192	5.32	20.31	6.43	54	
SPRW-52	Spring Ck	26-05-2011 05:00:00	0.12192	5.25	20.25	6.42	54	
SPRW-52	Spring Ck	26-05-2011 05:15:00	0.12192	5.19	20.17	6.41	54	
SPRW-52	Spring Ck	26-05-2011 05:30:00	0.12192	5.11	20.09	6.4	53	
SPRW-52	Spring Ck	26-05-2011 05:45:00	0.12192	5.21	19.89	6.38	53	
SPRW-52	Spring Ck	26-05-2011 06:00:00	0.12192	5.47	19.63	6.36	55	
SPRW-52	Spring Ck	26-05-2011 06:15:00	0.12192	6.13	19.09	6.32	62	
SPRW-52	Spring Ck	26-05-2011 06:30:00	0.12192	6.55	18.95	6.31	57	
SPRW-52	Spring Ck	26-05-2011 06:45:00	0.12192	6.81	18.98	6.24	48	
SPRW-52	Spring Ck	26-05-2011 07:00:00	0.12192	6.97	19.13	6.18	47	
SPRW-52	Spring Ck	26-05-2011 07:15:00	0.12192	6.81	19.4	6.23	50	
SPRW-52	Spring Ck	26-05-2011 07:30:00	0.12192	6.48	19.58	6.33	54	
SPRW-52	Spring Ck	26-05-2011 07:45:00	0.12192	6.24	19.61	6.37	57	
SPRW-52	Spring Ck	26-05-2011 08:00:00	0.12192	6.13	19.6	6.42	57	
SPRW-52	Spring Ck	26-05-2011 08:15:00	0.12192	6.26	19.62	6.44	56	
SPRW-52	Spring Ck	26-05-2011 08:30:00	0.12192	6.38	19.72	6.44	54	
SPRW-52	Spring Ck	26-05-2011 08:45:00	0.12192	6.54	19.84	6.44	52	
SPRW-52	Spring Ck	26-05-2011 09:00:00	0.12192	6.65	19.97	6.44	52	
SPRW-52	Spring Ck	26-05-2011 09:15:00	0.12192	6.74	20.08	6.44	51	
SPRW-52	Spring Ck	26-05-2011 09:30:00	0.12192	6.74	20.14	6.43	51	
SPRW-52	Spring Ck	26-05-2011 09:45:00	0.12192	6.77	20.18	6.43	51	
SPRW-52	Spring Ck	26-05-2011 10:00:00	0.12192	6.86	20.2	6.42	51	
SPRW-52	Spring Ck	26-05-2011 10:15:00	0.12192	6.9	20.22	6.4	50	
SPRW-52	Spring Ck	26-05-2011 10:30:00	0.12192	6.89	20.24	6.4	49	
SPRW-52	Spring Ck	26-05-2011 10:45:00	0.12192	6.93	20.27	6.39	48	
SPRW-52	Spring Ck	26-05-2011 11:00:00	0.12192	6.93	20.31	6.37	46	
SPRW-52	Spring Ck	26-05-2011 11:15:00	0.12192	6.92	20.36	6.35	45	
SPRW-52	Spring Ck	26-05-2011 11:30:00	0.12192	6.99	20.41	6.34	45	
SPRW-52	Spring Ck	26-05-2011 11:45:00	0.12192	6.94	20.45	6.34	44	
SPRW-52	Spring Ck	26-05-2011 12:00:00	0.12192	6.96	20.52	6.33	43	
SPRW-52	Spring Ck	26-05-2011 12:15:00	0.12192	6.91	20.57	6.33	43	
SPRW-52	Spring Ck	26-05-2011 12:30:00	0.12192	6.89	20.67	6.32	43	
SPRW-52	Spring Ck	26-05-2011 12:45:00	0.12192	6.91	20.76	6.31	43	
SPRW-52	Spring Ck	26-05-2011 13:00:00	0.12192	6.83	20.87	6.31	44	
SPRW-52	Spring Ck	26-05-2011 13:15:00	0.12192	6.82	20.91	6.31	44	
SPRW-52	Spring Ck	26-05-2011 13:30:00	0.12192	6.78	21.01	6.3	45	
SPRW-52	Spring Ck	26-05-2011 13:45:00	0.12192	6.71	21.09	6.3	46	
SPRW-52	Spring Ck	26-05-2011 14:00:00	0.12192	6.64	21.15	6.29	46	
SPRW-52	Spring Ck	26-05-2011 14:15:00	0.12192	6.56	21.2	6.28	47	
SPRW-52	Spring Ck	26-05-2011 14:30:00	0.12192	6.47	21.24	6.28	49	
SPRW-52	Spring Ck	26-05-2011 14:45:00	0.12192	6.36	21.31	6.27	50	

Appendix B – Station Photographs



Photo B.1 – Bear Creek (BERT-4) – Looking upstream – February 22, 2011



Photo B.2 – Bear Creek (BERT-4) – Looking downstream – February 22, 2011



Photo B.3 – Bear Creek (BERT-4) – Looking upstream – June 15, 2011



Photo B.4 – Bear Creek (BERT-4) – Looking downstream – June 15, 2011



Photo B.5 – Bear Creek (BERT-4) – Looking upstream – July 27, 2011



Photo B.6 – Bear Creek (BERT-4) – Looking downstream – July 27, 2011



Photo B.7 – Bear Creek (BERT-4) – Looking upstream – February 19, 2013



Photo B.8 – Bear Creek (BERT-4) – Looking downstream – February 19, 2013



Photo B.9 – Brushy Creek (BRSL-3) – Looking upstream – January 19, 2011



Photo B.10 – Brushy Creek (BRSL-3) – Looking downstream – January 19, 2011



Photo B.11 – Brushy Creek (BRS-3) – Looking upstream – April 26, 2011



Photo B.12 – Brushy Creek (BRS-3) – Looking downstream – April 26, 2011



Photo B.13 – Brushy Creek (BRS�-3) – Looking upstream – August 23, 2011



Photo B.14 – Brushy Creek (BRS�-3) – Looking downstream – August 23, 2011



Photo B.15 – Brushy Creek (BRS�-3) – Looking upstream – December 5, 2012



Photo B.16 – Brushy Creek (BRS�-3) – Looking downstream – December 5, 2012



Photo B.17 – Brushy Creek (BRSL-3) – Looking upstream – January 10, 2013



Photo B.18 – Brushy Creek (BRSL-3) – Looking downstream – January 10, 2013



Photo B.19 – Inman Creek (INMW-1) – Looking upstream – January 19, 2011



Photo B.20 – Inman Creek (INMW-1) – Looking downstream – January 19, 2011



Photo B.21 – Inman Creek (INMW-1) – Looking upstream – March 29, 2011



Photo B.22 – Inman Creek (INMW-1) – Looking downstream – March 29, 2011



Photo B.23 – Inman Creek (INMW-1) – Looking upstream – May 24, 2011



Photo B.24 – Inman Creek (INMW-1) – Looking downstream – May 24, 2011



Photo B.23 – Inman Creek (INMW-1) – Looking upstream – August 9, 2011



Photo B.24 – Inman Creek (INMW-1) – Looking downstream – August 9, 2011



Photo B.25 – Inman Creek (INMW-1) – Looking upstream – December 5, 2012



Photo B.26 – Inman Creek (INMW-1) – Looking downstream – December 5, 2012



Photo B.27 – Inman Creek (INMW-1) – Looking upstream – February 7, 2013



Photo B.28 – Inman Creek (INMW-1) – Looking downstream – February 7, 2013



Photo B.29 – Baker Creek (BKRW-1) – Looking upstream – February 21, 2011



Photo B.30 – Baker Creek (BKRW-1) – Looking downstream – February 21, 2011



Photo B.31 – Baker Creek (BKRW-1) – Looking upstream – April 13, 2011



Photo B.32 – Baker Creek (BKRW-1) – Looking downstream – April 13, 2011



Photo B.33 – Baker Creek (BKRW-1) – Looking upstream – June 29, 2011



Photo B.34 – Baker Creek (BKRW-1) – Looking downstream – June 29, 2011



Photo B.35 – Baker Creek (BKRW-1) – Looking upstream – August 10, 2011



Photo B.36 – Baker Creek (BKRW-1) – Looking downstream – August 10, 2011



Photo B.37 – Baker Creek (BKRW-1) – Looking upstream – August 25, 2011



Photo B.38 – Baker Creek (BKRW-1) – Looking downstream – August 25, 2011



Photo B.37 – Baker Creek (BKRW-1) – Looking upstream – December 4, 2012



Photo B.38 – Baker Creek (BKRW-1) – Looking downstream – December 4, 2012



Photo B.39 – Baker Creek (BKRW-1) – Looking upstream – January 9, 2013



Photo B.40 – Baker Creek (BKRW-1) – Looking downstream – January 9, 2013



Photo B.39 – Baker Creek (BKRW-1) – Looking upstream – February 20, 2013



Photo B.40 – Baker Creek (BKRW-1) – Looking downstream – February 20, 2013



Photo B.41 – Burton Creek (BURW-1) – Looking upstream – February 25, 2011



Photo B.42 – Burton Creek (BURW-1) – Looking downstream – February 25, 2011



Photo B.43 – Burton Creek (BURW-1) – Looking upstream – April 13, 2011



Photo B.44 – Burton Creek (BURW-1) – Looking downstream – April 13, 2011



Photo B.45 – Burton Creek (BURW-1) – Looking upstream – June 15, 2011



Photo B.46 – Burton Creek (BURW-1) – Looking downstream – June 15, 2011



Photo B.47 – Burton Creek (BURW-1) – Looking upstream – July 27, 2011



Photo B.48 – Burton Creek (BURW-1) – Looking downstream – July 27, 2011



Photo B.49 – Burton Creek (BURW-1) – Looking upstream – August 10, 2011



Photo B.50 – Burton Creek (BURW-1) – Looking downstream – August 10, 2011



Photo B.51 – Burton Creek (BURW-1) – Looking upstream – December 4, 2012



Photo B.52 – Burton Creek (BURW-1) – Looking downstream – December 4, 2012



Photo B.53 – Burton Creek (BURW-1) – Looking upstream – February 5, 2013



Photo B.54 – Burton Creek (BURW-1) – Looking downstream – February 5, 2013



Photo B.55 – Cane Creek (CANW-51) – Looking upstream – January 13, 2011



Photo B.56 – Cane Creek (CANW-51) – Looking downstream – January 13, 2011



Photo B.57 – Cane Creek (CANW-51) – Looking upstream – April 12, 2011



Photo B.58 – Cane Creek (CANW-51) – Looking downstream – April 12, 2011



Photo B.59 – Cane Creek (CANW-51) – Looking upstream – June 14, 2011



Photo B.60 – Cane Creek (CANW-51) – Looking downstream – June 14, 2011



Photo B.61 – Cane Creek (CANW-51) – Looking upstream – July 12, 2011



Photo B.62 – Cane Creek (CANW-51) – Looking upstream – July 12, 2011



Photo B.63 – Cane Creek (CANW-51) – Looking upstream – August 24, 2011



Photo B.64 – Cane Creek (CANW-51) – Looking downstream – August 24, 2011



Photo B.65 – Cane Creek (CANW-51) – Looking upstream – December 18, 2012



Photo B.66 – Cane Creek (CANW-51) – Looking downstream – December 18, 2012



Photo B.67 – Cane Creek (CANW-51) – Looking upstream – February 20, 2013



Photo B.68 – Cane Creek (CANW-51) – Looking downstream – February 20, 2013



Photo B.69 – Cane Creek (CANW-52) – Looking upstream – February 24, 2011



Photo B.70 – Cane Creek (CANW-52) – Looking downstream – February 24, 2011



Photo B.71 – Cane Creek (CANW-52) – Looking upstream – April 12, 2011



Photo B.72 – Cane Creek (CANW-52) – Looking downstream – April 12, 2011



Photo B.73 – Cane Creek (CANW-52) – Looking upstream – June 14, 2011



Photo B.74 – Cane Creek (CANW-52) – Looking downstream – June 14, 2011



Photo B.75 – Cane Creek (CANW-52) – Looking upstream – July 26, 2011



Photo B.76 – Cane Creek (CANW-52) – Looking downstream – July 26, 2011



Photo B.77 – Cane Creek (CANW-52) – Looking upstream – August 24, 2011



Photo B.78 – Cane Creek (CANW-52) – Looking downstream – August 24, 2011



Photo B.79 – Cane Creek (CANW-52) – Looking upstream – December 4, 2012



Photo B.80 – Cane Creek (CANW-52) – Looking downstream – December 4, 2012



Photo B.81 – Cane Creek (CANW-52) – Looking upstream – January 9, 2013



Photo B.82 – Cane Creek (CANW-52) – Looking downstream – January 9, 2013



Photo B.83 – Cane Creek (CANW-52) – Looking upstream – February 20, 2013



Photo B.84 – Cane Creek (CANW-52) – Looking downstream – February 20, 2013



Photo B.85 – Charlies Creek (CHAW-1) – Looking upstream – January 20, 2011



Photo B.86 – Charlies Creek (CHAW-1) – Looking downstream – January 20, 2011



Photo B.87 – Charlies Creek (CHAW-1) – Looking upstream – March 30, 2011



Photo B.88 – Charlies Creek (CHAW-1) – Looking downstream – March 30, 2011



Photo B.89 – Charlies Creek (CHAW-1) – Looking upstream – April 27, 2011



Photo B.90 – Charlies Creek (CHAW-1) – Looking downstream – April 27, 2011



Photo B.91 – Charlies Creek (CHAW-1) – Looking upstream – May 24, 2011



Photo B.92 – Charlies Creek (CHAW-1) – Looking downstream – May 24, 2011



Photo B.93 – Charlies Creek (CHAW-1) – Looking upstream – June 28, 2011



Photo B.94 – Charlies Creek (CHAW-1) – Looking downstream – June 28, 2011



Photo B.95 – Charlies Creek (CHAW-1) – Looking upstream – July 26, 2011



Photo B.96 – Charlies Creek (CHAW-1) – Looking downstream – July 26, 2011



Photo B.97 – Charlies Creek (CHAW-1) – Looking upstream – August 22, 2011



Photo B.98 – Charlies Creek (CHAW-1) – Looking downstream – August 22, 2011



Photo B.99 – Charlies Creek (CHAW-1) – Looking upstream – December 4, 2012



Photo B.100 – Charlies Creek (CHAW-1) – Looking downstream – December 4, 2012



Photo B.101 – Charlies Creek (CHAW-1) – Looking upstream – January 9, 2013



Photo B.102 – Charlies Creek (CHAW-1) – Looking downstream – January 9, 2013



Photo B.103 – Charlies Creek (CHAW-1) – Looking upstream – February 6, 2013



Photo B.104 – Charlies Creek (CHAW-1) – Looking downstream – February 6, 2013



Photo B.105 – Charlies Creek (CHAW-2) – Looking upstream – February 1, 2011



Photo B.106 – Charlies Creek (CHAW-2) – Looking upstream – February 1, 2011



Photo B.107 – Charlies Creek (CHAW-2) – Looking upstream – March 16, 2011



Photo B.108 – Charlies Creek (CHAW-2) – Looking downstream – March 16, 2011



Photo B.107 – Charlies Creek (CHAW-2) – Looking upstream – April 27, 2011



Photo B.108 – Charlies Creek (CHAW-2) – Looking downstream – April 27, 2011



Photo B.109 – Charlies Creek (CHAW-2) – Looking upstream – May 24, 2011



Photo B.110 – Charlies Creek (CHAW-2) – Looking downstream – May 24, 2011



Photo B.109 – Charlies Creek (CHAW-2) – Looking upstream – June 28, 2011



Photo B.110 – Charlies Creek (CHAW-2) – Looking downstream – June 28, 2011



Photo B.111 – Charlies Creek (CHAW-2) – Looking upstream – July 26, 2011



Photo B.112 – Charlies Creek (CHAW-2) – Looking downstream – July 26, 2011



Photo B.113 – Charlies Creek (CHAW-2) – Looking upstream – August 22, 2011



Photo B.114 – Charlies Creek (CHAW-2) – Looking downstream – August 22, 2011



Photo B.115 – Charlies Creek (CHAW-2) – Looking upstream – December 4, 2012



Photo B.116 – Charlies Creek (CHAW-2) – Looking downstream – December 4, 2012



Photo B.117 – Charlies Creek (CHAW-2) – Looking upstream – February 6, 2013



Photo B.118 – Charlies Creek (CHAW-2) – Looking downstream – February 6, 2013



Photo B.119 – Coal Creek (CLCJ-1) – Looking upstream – February 25, 2011



Photo B.120 – Coal Creek (CLCJ-1) – Looking downstream – February 25, 2011



Photo B.121 – Coal Creek (CLCJ-1) – Looking upstream – May 9, 2011



Photo B.122 – Coal Creek (CLCJ-1) – Looking downstream – May 9, 2011



Photo B.123 – Coal Creek (CLCJ-1) – Looking upstream – June 9, 2011



Photo B.124 – Coal Creek (CLCJ-1) – Looking downstream – June 9, 2011



Photo B.125 – Coal Creek (CLCJ-1) – Looking upstream – December 19, 2012



Photo B.126 – Coal Creek (CLCJ-1) – Looking downstream – December 19, 2012



Photo B.127 – Coal Creek (CLCJ-1) – Looking upstream – January 23, 2013



Photo B.128 – Coal Creek (CLCJ-1) – Looking downstream – January 23, 2013



Photo B.129 – Coal Creek (CLCJ-3) – Looking upstream – February 25, 2011



Photo B.130 – Coal Creek (CLCJ-3) – Looking downstream – February 25, 2011



Photo B.131 – Coal Creek (CLCJ-3) – Looking upstream – June 9, 2011



Photo B.132 – Coal Creek (CLCJ-3) – Looking downstream – June 9, 2011



Photo B.131 – Coal Creek (CLCJ-3) – Looking upstream – July 12, 2011



Photo B.132 – Coal Creek (CLCJ-3) – Looking downstream – July 12, 2011



Photo B.133 – Coal Creek (CLCJ-3) – Looking upstream – December 5, 2012



Photo B.134 – Coal Creek (CLCJ-3) – Looking downstream – December 5, 2012



Photo B.135 – Coal Creek (CLCJ-3) – Looking upstream – February 21, 2013



Photo B.136 – Coal Creek (CLCJ-3) – Looking downstream – February 21, 2013



Photo B.137 – Coal Creek (CLCJ-4) – Looking upstream – February 25, 2011



Photo B.138 – Coal Creek (CLCJ-4) – Looking downstream – February 25, 2011



Photo B.139 – Coal Creek (CLCJ-4) – Looking upstream – March 16, 2011



Photo B.140 – Coal Creek (CLCJ-4) – Looking downstream – March 16, 2011



Photo B.141 – Coal Creek (CLCJ-4) – Looking upstream – June 9, 2011



Photo B.142 – Coal Creek (CLCJ-4) – Looking downstream – June 9, 2011



Photo B.143 – Coal Creek (CLCJ-4) – Looking upstream – July 12, 2011



Photo B.144 – Coal Creek (CLCJ-4) – Looking downstream – July 12, 2011



Photo B.145 – Coal Creek (CLCJ-4) – Looking upstream – December 5, 2012



Photo B.146 – Coal Creek (CLCJ-4) – Looking downstream – December 5, 2012



Photo B.147 – Coal Creek (CLCJ-4) – Looking upstream – January 10, 2013



Photo B.148 – Coal Creek (CLCJ-4) – Looking downstream – January 10, 2013



Photo B.149 – Coal Creek (CLCJ-4) – Looking upstream – February 21, 2013



Photo B.150 – Coal Creek (CLCJ-4) – Looking downstream – February 21, 2013



Photo B.153 – Tributary to Spring Creek (SPRW-51) – Looking upstream – January 19, 2011



Photo B.154 – Tributary to Spring Creek (SPRW-51) – Looking downstream – January 19, 2011



Photo B.155 – Tributary to Spring Creek (SPRW-51) – Looking upstream – February 1, 2011



Photo B.154 – Tributary to Spring Creek (SPRW-51) – Looking downstream – February 1, 2011



**Photo B.157 – Tributary to Spring Creek (SPRW-51) – Looking upstream – March 16, 2011
(Station moved upstream to access road to avoid beaver dams)**



Photo B.158 – Tributary to Spring Creek (SPRW-51) – Looking downstream – March 16, 2011



Photo B.159 – Tributary to Spring Creek (SPRW-51) – Looking upstream – April 14, 2011



Photo B.160 – Tributary to Spring Creek (SPRW-51) – Looking downstream – April 14, 2011



Photo B.161 – Tributary to Spring Creek (SPRW-51) – Looking upstream – May 25, 2011



Photo B.162 – Tributary to Spring Creek (SPRW-51) – Looking downstream – May 25, 2011



Photo B.163 – Tributary to Spring Creek (SPRW-51) – Looking upstream – June 28, 2011



Photo B.164 – Tributary to Spring Creek (SPRW-51) – Looking downstream – June 28, 2011



Photo B.165 – Tributary to Spring Creek (SPRW-51) – Looking upstream – July 26, 2011



Photo B.166 – Tributary to Spring Creek (SPRW-51) – Looking downstream – July 26, 2011



Photo B.165 – Tributary to Spring Creek (SPRW-51) – Looking upstream – August 22, 2011



Photo B.166 – Tributary to Spring Creek (SPRW-51) – Looking downstream – August 22, 2011



Photo B.167 – Tributary to Spring Creek (SPRW-51) – Looking upstream – December 4, 2012



Photo B.168 – Tributary to Spring Creek (SPRW-51) – Looking downstream – December 4, 2012



**Photo B.169 – Tributary to Spring Creek (SPRW-51) – Looking upstream – February 6, 2013
Original station location**



Photo B.170 – Tributary to Spring Creek (SPRW-51) – Looking downstream – February 6, 2013



Photo B.171 – Spring Creek (SPRW-52) – Looking upstream – January 20, 2011



Photo B.172 – Spring Creek (SPRW-52) – Looking downstream – January 20, 2011



Photo B.173 – Spring Creek (SPRW-52) – Looking upstream – February 23, 2011



Photo B.174 – Spring Creek (SPRW-52) – Looking downstream – February 23, 2011



Photo B.175 – Spring Creek (SPRW-52) – Looking upstream – March 30, 2011



Photo B.176 – Spring Creek (SPRW-52) – Looking downstream – March 30, 2011



Photo B.177 – Spring Creek (SPRW-52) – Looking upstream – May 10, 2011



Photo B.178 – Spring Creek (SPRW-52) – Looking downstream – May 10, 2011



Photo B.179 – Spring Creek (SPRW-52) – Looking upstream – July 11, 2011



Photo B.180 – Spring Creek (SPRW-52) – Looking downstream – July 11, 2011



Photo B.181 – Spring Creek (SPRW-52) – Looking upstream – August 22, 2011



Photo B.182 – Spring Creek (SPRW-52) – Looking downstream – August 22, 2011



Photo B.183 – Spring Creek (SPRW-52) – Looking upstream – December 4, 2012



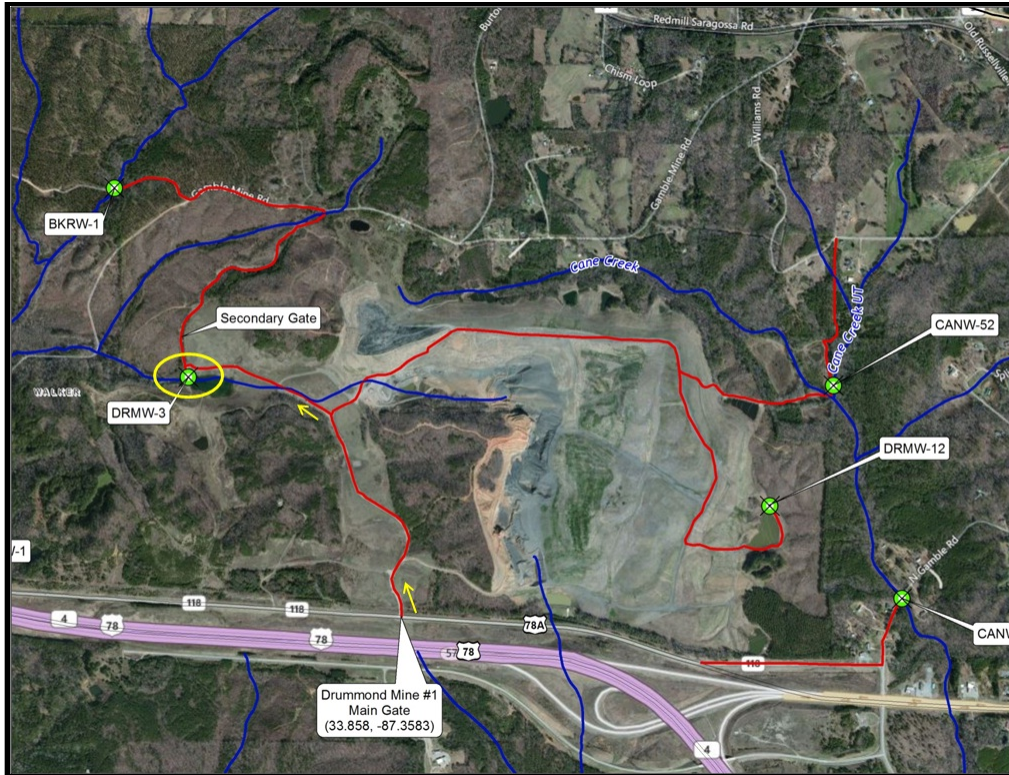
Photo B.184 – Spring Creek (SPRW-52) – Looking downstream – December 4, 2012



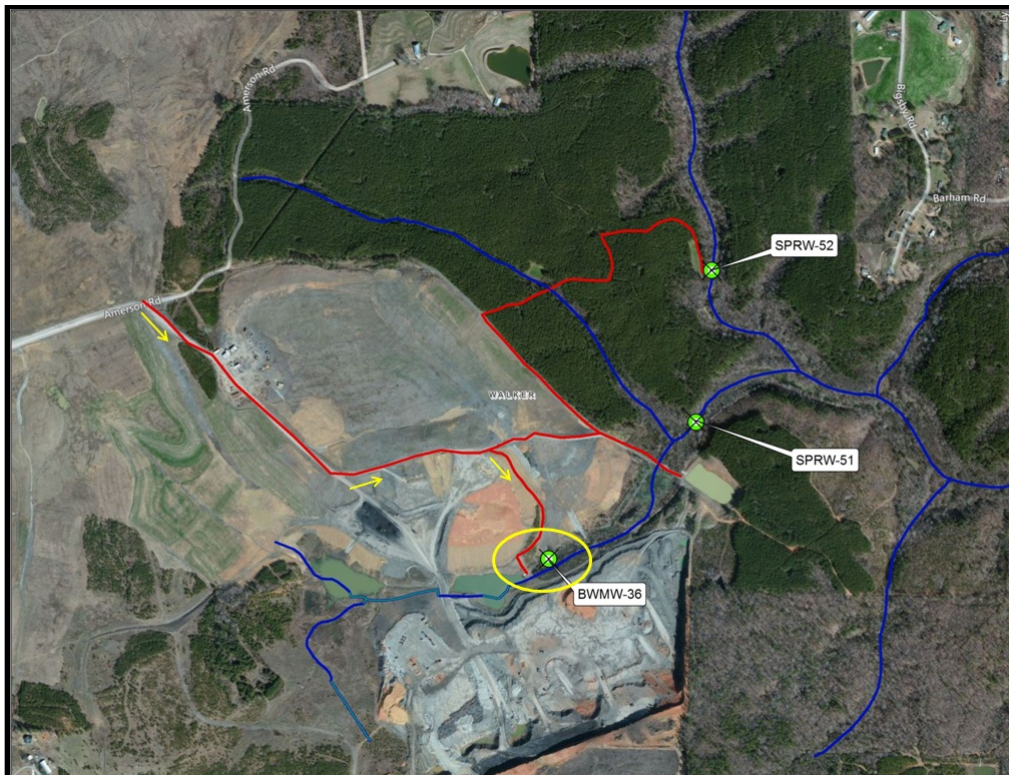
Photo B.185 – Spring Creek (SPRW-52) – Looking upstream – February 6, 2013



Photo B.186 – Spring Creek (SPRW-52) – Looking downstream – February 6, 2013



**Photo B.187 – Drummond Mine Outfalls #3 and #12
Receiving Streams Burton Creek and Cane Creek**



**Photo B.187 – Black Warrior Minerals Outfall #36
Receiving stream Unnamed Tributary to Spring Creek**



Photo B.187 – Black Warrior Minerals Outfall #21 – Receiving stream Charlie's Creek

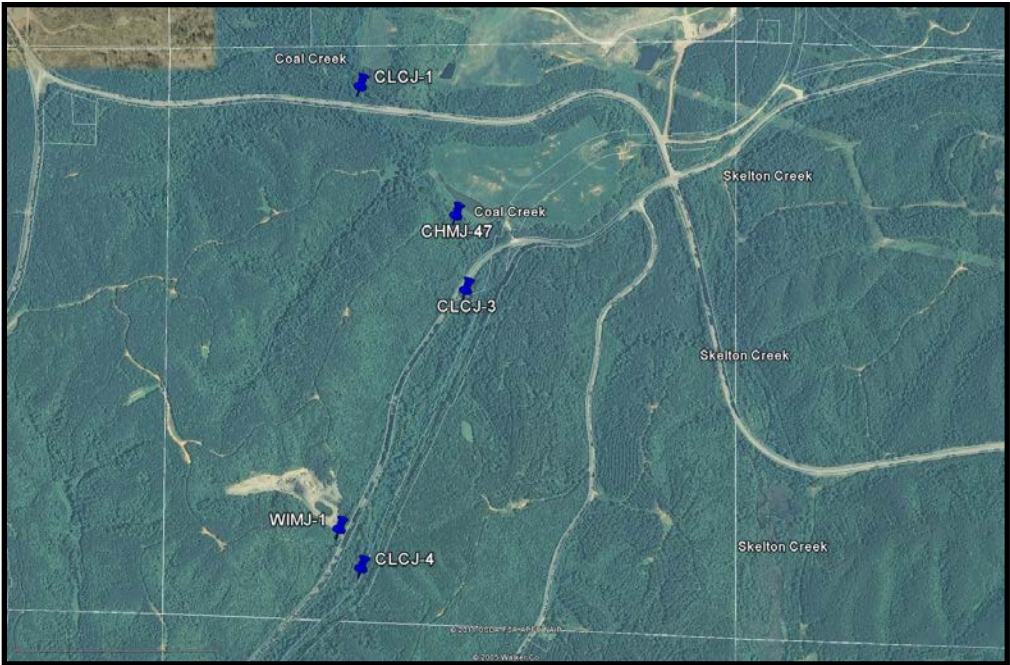


Photo B.188 – Cherokee Mining and Warrior Investment Outfalls #47 and #1 - Receiving Stream Coal Creek



Photo B.188b –Warrior Investment Outfall WIMJ-1 – Receiving stream Coal Creek



Photo B.189 – Treatment Pond Outfall BMWW-21 – Looking upstream – January 31, 2011



Photo B.190 – Treatment Pond Outfall BWMW-21 – Looking downstream – January 31, 2011



Photo B.191 – Treatment Pond Outfall BWMW-21 – Looking upstream – February 23, 2011



Photo B.192 – Treatment Pond Outfall BMWW-21 – Looking downstream – February 23, 2011



Photo B.193 – Treatment Pond Outfall BMWW-21 – Looking upstream – March 30, 2011



Photo B.194 – Treatment Pond Outfall BMWW-21 – Looking downstream – March 30, 2011



Photo B.195 – Treatment Pond Outfall BMWW-21 – Looking upstream – April 27, 2011



Photo B.196 – Treatment Pond Outfall BMWW-21 – Looking downstream – April 27, 2011



Photo B.197 – Treatment Pond Outfall BMWW-21 – Looking upstream – May 24, 2011



Photo B.198 – Treatment Pond Outfall BMWW-21 – Looking downstream – May 24, 2011



Photo B.199 – Treatment Pond Outfall BMWW-21 – Looking upstream – June 28, 2011



Photo B.200 – Treatment Pond Outfall BMWW-21 – Looking downstream – June 28, 2011



Photo B.201 – Treatment Pond Outfall BMWW-21 – Looking upstream – July 11, 2011



Photo B.202 – Treatment Pond Outfall BMWW-21 – Looking downstream – July 11, 2011



Photo B.203 – Treatment Pond Outfall BMWW-21 – Looking upstream – August 22, 2011



Photo B.204 – Treatment Pond Outfall BMWW-21 – Looking downstream – August 22, 2011



Photo B.205 – Treatment Pond Outfall BMWW-21 – Looking upstream – December 4, 2012



Photo B.206 – Treatment Pond Outfall BMWW-21 – Looking downstream – December 4, 2012



Photo B.207 – Treatment Pond Outfall BMWW-21 – Looking upstream – February 6, 2013



Photo B.208 – Treatment Pond Outfall BMWW-21 – Looking downstream – February 6, 2013



Photo B.209 – Treatment Pond Outfall BMWW-36 – Looking upstream – January 20, 2011



Photo B.210 – Treatment Pond Outfall BMWW-36 – Looking downstream – January 20, 2011



Photo B.211 – Treatment Pond Outfall BMWW-36 – Looking upstream – February 22, 2011



Photo B.212 – Treatment Pond Outfall BMWW-36 – Looking downstream – February 22, 2011



Photo B.213 – Treatment Pond Outfall BMWW-36 – Looking upstream – March 30, 2011



Photo B.214 – Treatment Pond Outfall BMWW-36 – Looking downstream – March 30, 2011



Photo B.215 – Treatment Pond Outfall BMWW-36 – Looking upstream – April 14, 2011



Photo B.216 – Treatment Pond Outfall BMWW-36 – Looking downstream – April 14, 2011



Photo B.217 – Treatment Pond Outfall BMWW-36 – Looking upstream – May 25, 2011



Photo B.218 – Treatment Pond Outfall BMWW-36 – Looking downstream – May 25, 2011



Photo B.219 – Treatment Pond Outfall BMWW-36 – Looking upstream – June 28, 2011



Photo B.220 – Treatment Pond Outfall BMWW-36 – Looking downstream – June 28, 2011



Photo B.221 – Treatment Pond Outfall BMWW-36 – Looking upstream – July 26, 2011



Photo B.222 – Treatment Pond Outfall BMWW-36 – Looking downstream – July 26, 2011



Photo B.223 – Treatment Pond Outfall BMWW-36 – Looking upstream – August 22, 2011



Photo B.224 – Treatment Pond Outfall BMWW-36 – Looking downstream – August 22, 2011



Photo B.225 – Treatment Pond Outfall BMWW-36 – Looking upstream – December 4, 2012



Photo B.226 – Treatment Pond Outfall BMWW-36 – Looking downstream – December 4, 2012



Photo B.227 – Treatment Pond Outfall BMWW-36 – Looking upstream – February 6, 2013



Photo B.228 – Treatment Pond Outfall BMWW-36 – Looking downstream – February 6, 2013



Photo B.229 – Treatment Pond Outfall CHMJ-47 – Looking upstream – February 24, 2011



Photo B.230 – Treatment Pond Outfall CHMJ-47 – Looking downstream – February 24, 2011



Photo B.231 – Treatment Pond at CHMJ-47 –May 9, 2011



Photo B.232 – Treatment Pond Outfall CHMJ-47 – Looking downstream – May 9, 2011



Photo B.233 – Treatment Pond Outfall CHMJ-47 – Looking upstream – June 9, 2011



Photo B.234 – Treatment Pond Outfall CHMJ-47 – Looking downstream – June 9, 2011



Photo B.235 – Treatment Pond Outfall CHMJ-47 – Looking upstream – December 5, 2012



Photo B.236 – Treatment Pond Outfall CHMJ-47 – Looking downstream – December 5, 2012



Photo B.237 – Treatment Pond Outfall CHMJ-47 – Looking upstream – December 19, 2012



Photo B.238 – Treatment Pond Outfall CHMJ-47 – Looking downstream – December 19, 2012



Photo B.239 – Treatment Pond Outfall CHMJ-47 – Looking upstream – January 23, 2013



Photo B.240 – Treatment Pond Outfall CHMJ-47 – Looking downstream – January 23, 2013



Photo B.241 – Treatment Pond Outfall DRMW-3 – Looking upstream – February 24, 2011



Photo B.242 – Treatment Pond Outfall DRMW-3 – Looking downstream – February 24, 2011



Photo B.243 – Treatment Pond Outfall DRMW-3 – Looking upstream – April 13, 2011



Photo B.244 – Treatment Pond Outfall DRMW-3 – Looking downstream – April 13, 2011



Photo B.245 – Treatment Pond Outfall DRMW-3 – Looking upstream – May 9, 2011



Photo B.246 – Treatment Pond Outfall DRMW-3 – Looking downstream – May 9, 2011



Photo B.247 – Treatment Pond Outfall DRMW-3 – Looking upstream – June 15, 2011



Photo B.248 – Treatment Pond Outfall DRMW-3 – Looking downstream – June 15, 2011



Photo B.249 – Treatment Pond Outfall DRMW-3 – Looking upstream – August 10, 2011



Photo B.250 – Treatment Pond Outfall DRMW-3 – Looking downstream – August 10, 2011



Photo B.251 – Treatment Pond Outfall DRMW-3 – Looking upstream – December 18, 2012



Photo B.252 – Treatment Pond Outfall DRMW-3 – Looking downstream – December 18, 2012



Photo B.253 – Treatment Pond Outfall DRMW-3 – Looking upstream – January 22, 2013



Photo B.254 – Treatment Pond Outfall DRMW-3 – Looking downstream – January 22, 2013



Photo B.255 – Treatment Pond Outfall DRMW-3 – Looking upstream – February 20, 2013



Photo B.256 – Treatment Pond Outfall DRMW-3 – Looking downstream – February 20, 2013



Photo B.257 – Treatment Pond Outfall DRMW-12 – Looking upstream – February 24, 2011



Photo B.258 – Treatment Pond Outfall DRMW-12 – Looking downstream – February 24, 2011



Photo B.259 – Treatment Pond Outfall DRMW-12 – Looking upstream – April 12, 2011



Photo B.260 – Treatment Pond Outfall DRMW-12 – Looking upstream – April 12, 2011



Photo B.261 – Treatment Pond Outfall DRMW-12 – Looking upstream – June 14, 2011



Photo B.262 – Treatment Pond Outfall DRMW-12 – Looking downstream – June 14, 2011



Photo B.263 – Treatment Pond Outfall DRMW-12 – Looking upstream – July 26, 2011



Photo B.264 – Treatment Pond Outfall DRMW-12 – Looking downstream – July 26, 2011



Photo B.265 – Treatment Pond Outfall DRMW-12 – Looking upstream – August 9, 2011



Photo B.266 – Treatment Pond Outfall DRMW-12 – Looking downstream – August 9, 2011



Photo B.267 – Treatment Pond Outfall DRMW-12 – Looking upstream – December 4, 2012



Photo B.268 – Treatment Pond Outfall DRMW-12 – Looking downstream – December 4, 2012



Photo B.269 – Treatment Pond Outfall DRMW-12 – Looking upstream – January 22, 2013



Photo B.270 – Treatment Pond Outfall DRMW-12 – Looking downstream – January 22, 2013



Photo B.271 – Treatment Pond Outfall DRMW-12 – Looking upstream – February 20, 2013
(Note - Beaver dam across weir)



Photo B.272 – Treatment Pond Outfall DRMW-12 – Looking downstream – February 20, 2013



Photo B.273 – Treatment Pond Outfall WIMJ-1 – Looking upstream – March 31, 2011



Photo B.274 – Treatment Pond Outfall WIMJ-1 – Drainage from pond – March 31, 2011



Photo B.275 – Treatment Pond Outfall WIMJ-1 – Looking upstream – May 9, 2011



Photo B.276 – Treatment Pond Outfall WIMJ-1 – Looking upstream – June 9, 2011



Photo B.277 – Treatment Pond Outfall WIMJ-1 – Looking upstream – December 5, 2012



Photo B.278 – Treatment Pond Outfall WIMJ-1 – Discharge from pond – December 5, 2012



Photo B.279 – Treatment Pond Outfall WIMJ-1 – Looking upstream – January 23, 2013



Photo B.280 – Treatment Pond Outfall WIMJ-1 – Discharge from pond – January 23, 2013



Photo B.281 – Treatment Pond Outfall WIMJ-1 – Looking upstream – February 21, 2013



Photo B.282 – Treatment Pond Outfall WIMJ-1 – Discharge from pond – February 21, 2013