



January 26, 2015

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Final Report 2014 Water Quality Monitoring Data **Oconto Falls (Upper)** Hydroelectric
FERC Project #2523, NEW Hydro, LLC (Licensee)

Final Report 2014 Water Quality Monitoring Data **Oconto Falls (Lower)** Hydroelectric
FERC Project #2689, NEW Hydro, LLC (Licensee)

Dear Ms. Bose:

On behalf of NEW Hydro, LLC (Licensee), Eagle Creek Renewable Energy is hereby submitting one (1) original and seven (7) copies of each of final reports for the *2014 Water Quality Monitoring Data* collected at the Oconto Falls Upper and Lower Hydroelectric Projects. The monitoring plans called for data to be gathered from July 1 – September 30, 2014. This was the third season that data was collected for the Oconto Falls (Upper) Hydroelectric Project (FERC #2523) and forth season data was collected for the Oconto Falls (Lower) Hydroelectric Project (FERC #2689) under their respective FERC-approved Article 405 and Article 404 Water Quality Monitoring Plans.

The weekly impoundment sampling began July 1, 2014 and ended on September 30, 2014 as the plan called for. Continuous monitoring of the tailwater began at both projects beginning July 1 and continued through September 30, 2014.

Consultation with Agencies

Monthly submissions of data for July, August, and September were made to the agencies as they became available. No comments were received from the agencies concerning the monthly submissions. Draft reports for the data for each project were dated November 2014 and sent to the agencies in a letter dated November 17, 2014. The agencies responded via email with no comments. Should the agencies have any future comments on the 2014 report, the Licensee recommends the agencies forward these directly to the Commission and send a copy to the Licensee.

The next scheduled Water Quality Monitoring at the Oconto Falls Hydroelectric Projects is set to take place in 2019. Should you have any questions concerning the report, please do not hesitate to contact Mr. Jerome Klassy at the Eagle Creek Renewable Energy Midwest Operations Office at (920) 293-4628, ext. 322 or by email at jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee



fw Mr. Scott Klabunde
Senior Vice President of Operations

Attachments: *Final Report for 2014 Water Quality Monitoring Data – Oconto Falls (Upper)
Hydroelectric FERC Project #2523 – January 2015 - Including Complete CD*

*Final Report for 2014 Water Quality Monitoring Data – Oconto Falls (Lower)
Hydroelectric FERC Project #2689 – January 2015 – Including Complete CD*

Cc: Ms. Cheryl Laatsch, WDNR (2)
Mr. Nick Utrup, USFWS (2)
Mr. John Zygaj, FERC CRO (2)
ECRE WMS/files (1)
NE Regional Manager (2)

FILE: 15-01-26 _LC_ECRE_OFUP & OFLW_ Final 2015 WQM Report submittal to DHAC

FINAL
2014 Water Quality Monitoring Data

For the

**Oconto Falls Upper
Hydroelectric Project**
FERC# P-2523 NATDAM ID#WI00763

NEW Hydro, LLC (Licensee)
Oconto River, Oconto County, Wisconsin



Submitted by:
Eagle Creek Renewable Energy LLC

Midwest Operation
116 N. State Street, PO Box 167
Neshkoro, WI 54960-0167

January 2015

2014 Water Quality Monitoring Data
Oconto Falls Upper Hydroelectric (P-2523)

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I. Summary

2014 marked the third session of water quality sampling under the FERC approved “Water Quality Monitoring Plan Per License Article 405 for the **Oconto Falls (Upper)** Hydroelectric Project – FERC Project # 2523 – NEW Hydro, LLC”.

FERC License Article 405 water quality sampling at the Oconto Falls (Upper) Hydroelectric Project is performed concurrently with nearly identical water quality sampling requirements at the Oconto Falls (Lower) Hydroelectric Project (FERC Project # 2689), which is located approximately 2000 feet downstream from the Oconto Falls (Upper) Hydroelectric Project. Sampling is performed once every 5 years for the duration of the FERC License.

Upstream (Impoundment) sampling consists of weekly vertical sampling of dissolved oxygen and temperature at 1-meter intervals from a fixed location representative of the maximum depth in the impoundment. Downstream sampling consisted of in-stream sampling for dissolved oxygen (D.O.), pH, specific conductivity and temperature, logged once every 30-minutes throughout the duration of the study at a fixed location in the Project’s tailrace.

A preliminary reconnaissance was performed to determine the most viable impoundment and tailrace sampling locations. Site selection was based on the following criteria: maximum depth vs. safety, repeatability of relocating the site, and accessibility. The sampling locations chosen were the same as those used during the previous study. The impoundment site selected is located immediately upstream of the eighth boat-barrier buoy from the powerhouse intake bays. This location is approximately 60 yards upstream and perpendicular to the center of the southernmost tainter gate. The maximum impoundment depth is located approximately 20 yards upstream from this tainter gate and is approximately 0.7 feet deeper than the selected site; however, the close proximity to functioning tainter gates and the mud bottom structure of the impoundment at this location prevents a safe sampling environment.

The tailrace site selected is located immediately upstream of the confluence of the turbine tailrace and the spillway tailrace approximately 4 feet from the south shoreline of the turbine tailrace. The location is on the ledge of a steep drop off. This location provides for evenly mixed water discharged from the turbines prior to downstream riffle effect aeration during low flow periods, easy access as well as relative isolation from public access.

Impoundment sampling conducted once per week at roughly one week intervals resulted in 13 sampling events including the July 10th data. A factory calibrated Hach Hq40d D.O. meter and cabled probe was used for all D.O. sampling. No unusual measurements were observed during the 3-month period. The lowest D.O. measurements recorded during the 3-month sampling session are listed below in Table 1. They are mostly found at the lower depths of the Impoundment. **Table 1** shows the Impoundment Below Standard D.O. and

corresponding Temperature and Depth readings logged. These are the only instances in which D.O. was observed lower than the Wisconsin minimum standard during the 3-month sampling period. These occurrences are consistent with past monitoring results. Precise dates and times are available in the accompanying appendices.

The tailrace monitoring equipment was deployed on June 30th and began recording data on July 1st. During the course of the 3-month sampling period, the unit was deployed and recorded data in roughly 2 week increments (14 – 17 days). This effectively split each month in half and resulted in data being recorded, graphed, and presented in the time frames it was obtained. The sensors of the tailrace Hach/Hydrolab MS 5 mini sonde were cleaned approximately every two (2) weeks. Additionally, the Hach Hq40d and 15 meter cabled probe used for impoundment sampling was used to cross-check D.O. calibration continuity with the Hach/Hydrolab MS 5 mini sonde. The sonde's internal batteries were replaced every time the sonde was pulled to download (approximately every 2 weeks) data to ensure proper power supply levels through the conclusion of the sampling period. Logging interruptions occurred when the units were pulled to download data, cleaned, batteries changed, calibrated, and until the time the unit was set to restart. No unusual readings were observed in collected data during the 3-month sampling session.

It should be noted, that the sonde was damaged at some point between September 01 and September 10, 2014. The damaged sonde was reported to Eagle Creek Management by operating staff and attempts to repair and place the sonde back into service were made. Unfortunately, the sonde condition was beyond repair and could not be replaced prior to the end of the monitoring period (September 30, 2014). Operating staff took additional measures using the handheld mobile sonde to gather some Tailwater data for the period of September 11 to 30th, 2014. **Table 2** shows the Tailwater Minimum, Maximum and Average sensor readings for each of the three months logged data. It should be noted that in general, when conductivity was lost the unit was being taken out of the water. Precise dates and times are available in the accompanying appendices.

TABLE 1
Oconto Falls (Upper) Hydroelectric Project
Below Standard Impoundment D.O. & Corresponding Temperature Samples

Date	Time	Depth Meters	LDO mg/l	Temp ° F
7/11/2014	14:30	7 Meter	4.92	20.70
7/11/2014	14:32	100 mm Above Bottom	2.41	20.50
7/25/2014	12:02	6 Meter	4.16	22.10
7/25/2014	12:02	7 Meter	0.04	19.60
7/25/2014	12:04	100 mm Above Bottom	0.04	19.00
8/01/2014	12:32	7 Meter	0.49	19.80
8/01/2014	12:35	100 mm Above Bottom	0.09	19.30
8/08/2014	11:15	5 Meter	4.86	22.90
8/08/2014	11:15	6 Meter	4.99	22.60
8/08/2014	11:15	7 Meter	0.11	20.40
8/08/2014	11:15	100 mm Above Bottom	0.03	19.50
8/15/2014	11:15	7 Meter	4.90	20.00
8/15/2014	11:15	100 mm Above Bottom	0.21	19.50
8/22/2014	11:00	100 mm Above Bottom	0.34	19.10
8/29/2014	10:00	100 mm Above Bottom	0.12	18.80
9/05/2014	10:00	100 mm Above Bottom	0.94	18.70
9/12/2014	10:00	100 mm Above Bottom	3.81	14.20

TABLE 2
Oconto Falls (Upper) Hydroelectric Project
Tailwater Sampling Monthly Minimums, Maximums and Averages

July 2014	Temperature (°F)	pH	Specific Conductivity (uS/cm)	Dissolved Oxygen (mg/l)
Minimum	67.1	0	0	5.43
Maximum	81.3	9.9	335	9.29
Average	71.5	8	312.7	7.46
August 2014	Temperature (°F)	pH	Specific Conductivity (uS/cm)	Dissolved Oxygen (mg/l)
Minimum	67.2	7.74	294	5.33
Maximum	75.1	8.23	325	8.21
Average	71.2	7.97	315.9	6.73
September 2014	Temperature (°F)	Ph	Specific Conductivity (uS/cm)	Dissolved Oxygen (mg/l)
Minimum	13.5	**	**	6.52*
Maximum	18.4	**	**	9.21*
Average	15.26	**	**	8.43*

** -No data available due to damage Sonde

* -Data retrieved from Mobile Handheld Sonde



Water Quality Monitoring Plan
Per License Article 405

For the
Oconto Falls (Upper) Hydroelectric Project
FERC Project no. 2523
Oconto River, Oconto County, State of Wisconsin

Licensee
North East Wisconsin (NEW) Hydro, LLC

Requirement for Studies and History:

The Federal Energy Regulatory Commission (FERC), has stipulated as a requirement of the Oconto Falls (Upper) Hydroelectric Project License Article 405, issued November 20, 1997, that a Water Quality Study shall be performed beginning Five (5) years after license issuance and once every Five (5) years thereafter for the Thirty (30) year term of license. Article 405 also requires that a monitoring plan should be filed with the Commission within One (1) year of license issuance.

On March 19, 1998 the Wisconsin Department of Natural Resources (WDNR), in a letter to North American Hydro, Inc. commenting on the proposed Water Quality Monitoring Plan (WQMP) for the Oconto Falls Lower Hydroelectric Project (P-2689), recommended coordination for concurrent water quality studies with the Oconto Falls Upper Hydroelectric Project, located approximately 2000 feet upstream.

On May 18, 1998 the FERC granted a request by NEW Hydro Inc., submitted on March 25, 1998, for a one year extension of all license article stipulated deadlines, extending the deadline for submission to November 19, 1999.

On November 19, 1998 the FERC approved the WQMP for the Oconto Falls Lower Hydroelectric Project to commence in 1999 and once every Five (5) years thereafter for the 30 year term of the license. The FERC additionally commented that the Licensee may propose to begin water quality monitoring at the Oconto Falls Upper Hydroelectric Project in the year 2004 in order to run concurrently with the Oconto Falls Lower Hydroelectric Project water qualities studies.

It is the intent of this plan to initiate water quality monitoring in the year 2004 and once every Five (5) years thereafter for the term of the current license in order to execute water quality studies concurrently with the Oconto Falls Lower Hydroelectric Project WQMP timeline.

Purpose of Studies:

Article 405 of the Licensee state that “the purpose of the monitoring plan is to ensure that releases from the Oconto Falls Project maintain the following state standards, except when natural conditions prohibit attainment of the standards:

- (1) The DO shall not be lowered to less than 5 milligrams per liter at any time.*
- (2) The temperature shall not exceed 89 °Fahrenheit at any time.*
- (3) The pH shall be within the range of 6.0 and 9.0*

Study Sampling Periods:

Study sampling will be conducted July 1, 2004 through September 30, 2004 and every 5th year interval thereafter for the term of the license. Study sampling will coincide with sampling at the Oconto Falls Lower Hydroelectric Project (P-2689). The July through September sampling period represents the typical annual period of minimum dissolved oxygen levels in the Oconto River resulting from a combination of high ambient temperature, low river flow, and aerobic oxygen consumptive processes.

Study Design:

Sampling Protocol:

Sampling protocol will be consistent with the "Water Quality Monitoring Plan (WQMP) Per License Article 404 for the Oconto Falls Lower Hydroelectric Project (P-2689) NEW Hydro, Inc." as approved by the FERC on November 19, 1998.

Monitoring Parameters (Reservoir):

- 1: Dissolved Oxygen Concentration
- 2: Water Temperature
- 3: Stream Flow
- 4: Time of Day

Monitoring Parameters (Tailwater):

- 1: Dissolved Oxygen Concentration
- 2: Water Temperature
- 3: pH
- 4: Stream Flow
- 5: Time of Day

Reservoir Sampling:

One (1) reservoir sampling event per week will be conducted for dissolved oxygen concentration and water temperature in a surface to bottom profile at one (1) meter intervals at one (1) pre-determined location representing the maximum depth in the reservoir.

Sampling will be performed manually from a boat at a location determined using two (2) measured lines attached to the boat restraining barrier to provide location repeatability for each of the weekly samplings. Reservoir surface to bottom depth will be recorded during each sampling period at the pre-determined sampling location. Dissolved oxygen concentration and water temperature will be sampled with an approved and properly calibrated electronic sampling device at one (1) meter depth profile intervals including a reading at 100mm below the surface and 100mm above the bottom of the reservoir. Power production log data for the sampling day will be obtained from the Oconto Falls Upper Hydroelectric Project (P-2523) and Oconto Falls Lower Hydroelectric Project (P-2689) in order to calculate river flow volume during the sample day. Sampling will also be conducted above the reservoir at or upstream of the State Highway 22 Bridge.

Tailwatering Sampling:

Continuous Thirty (30) Minute interval sampling of dissolved oxygen concentration, pH, and water temperature will be taken in the river immediately below the project tailrace.

Sampling will be performed by an approved and properly calibrated self-contained submersible sampling and data-logging device placed in a location representative of the release of water in the tailrace. The monitoring device will be located approximately Twenty-Five (25) feet downstream from the land peninsula below the left concrete non-overflow section of the dam at a point approximately Ten (10) feet from the North embankment of the Oconto River. The sampling/logging device will include a sensor array containing standard dissolved oxygen, pH, and water temperature sampling probes. The logging device will be programmed to record dissolve oxygen concentration, pH, and water temperature measurements at Thirty (30) minute intervals for the continuous period from July 1 through September 30. A maintenance check will be performed on the sampling / logging device once per week. This check will include removal of any accumulated debris and aquaculture, verification of device placement, verification of operation and device calibration. Maintenance procedures are based on the use of presently available equipment. Future maintenance activities could differ due to changes in equipment development. Power production log data for the sampling period will be obtained from the Oconto Falls Upper Hydroelectric Project (P-2523) and Oconto Falls Lower Hydroelectric Project (P-2689) in order to calculate river flow volume during the sampling period. Accumulated sampling data will be downloaded from the sampling / logging device once per month (during the first week of the following month) for intermediate analysis.

Equipment Assignment:

The following equipment has been acquired and is scheduled to be used for the July 1 thru September 30, 2014 water quality study at the Oconto Falls Lower Hydroelectric project – FERC Project #2689.

Reservoir: Hach HQ40d series portable meter with a detachable cable and Probe with One (1) Meter markers on the cable. The probe contains both Dissolved Oxygen and Temperature sensors. This equipment will be used to obtain weekly surface to bottom 1-meter profile data in the reservoir. The meter was calibrated in late May 2014 and retains calibration for 1 year per Hach/Hydrolab specifications.

Tailrace: Hach/Hydrolab MS5 Mini Sonde with the capability to measure and record Dissolved Oxygen, Temperature, Conductivity, and pH as well as Date, Time, and Battery Voltage. The Hach/Hydrolab Mini Sonde will obtain and store continuous 30 minute interval Tailrace sample data during the study. The Sonde will be checked over, cleaned, batteries changed as needed, and data downloaded every 2 weeks. The unit will be calibrated at least monthly for pH and Conductivity and approximately every 8 weeks for Dissolved Oxygen. The calibration guidelines were obtained from Hach/Hydrolab company representatives. The equipment was inspected and factory calibrated in May 2014.

Report Formats:

In addition to the printed reports, data will be furnished on a CD in Microsoft Excel and Microsoft Word Formats.

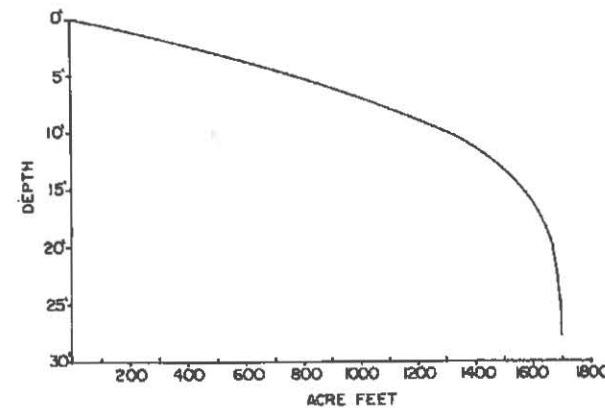
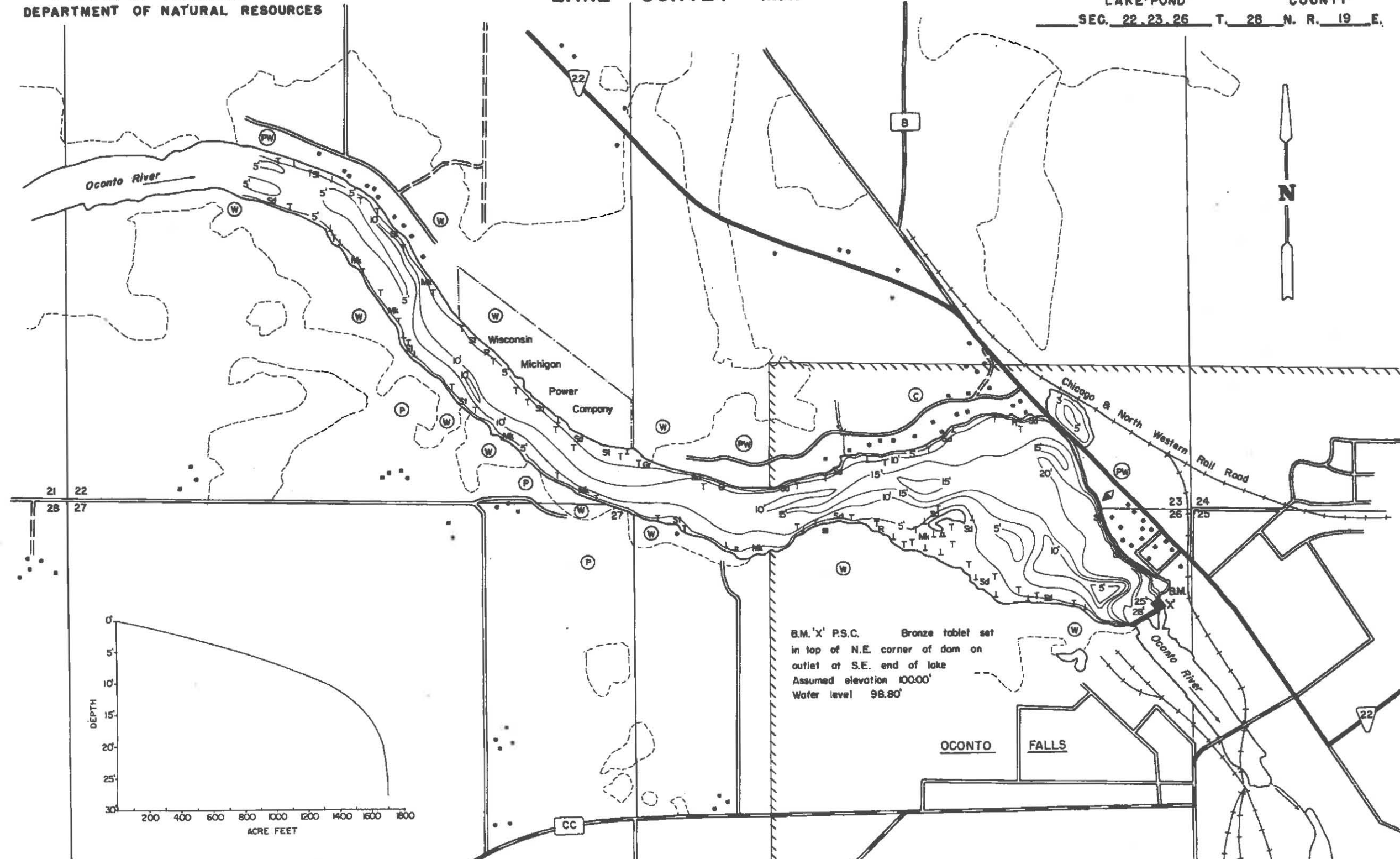
2014 WATER YEAR
MONTHLY TEMPERATURE & PRECIPITATION
Data Source by: NOAA/GREEN BAY, WISCONSIN

<http://www.nws.noaa.gov/climate/index.php?wfo=grb>

Month - Year	Highest Temp.	Lowest Temp	Average Temp.	Departure from Normal	Heating Degree Days	Normal Degree Days	Total Precipitation	Total Snowfall	Normal Precipitation	% of Normal Precipitation
October-13	81	24	49.1	na	487	556	2.95	Trace	2.44	121%
November-13	58	6	34.3	na	913	914	3.44	1.2	2.13	162%
December-13	45	-19	15	-6.5	1544	1350	1.89	26.4	1.51	125%
January-14	39	-21	8.7	-7.9	1738	1499	1.33	17	1.13	118%
February-14	41	-21	8	-12.3	1588	1251	1.46	17.7	1.11	132%
March-14	53	-24	22.9	-7.9	1294	1060	0.91	6.1	1.85	49%
April-14	69	19	41.6	-2.3	696	637	4.01	3.7	2.63	152%
May-14	86	31	56.6	1.6	269	326	2.95	0.2	2.93	101%
June-14	86	45	67.3	2.6	31	83	4.05	0	3.88	104%
July-14	91	49	67.5	-1.64	15	23	1.21	0	3.5	35%
August-14	85	47	68.2	0.9	14	40	4.8	0	3.37	142%
September-14	80	37	58.8	-0.4	197	207	4.69	0	3.04	154%

LAKE SURVEY MAP

OCONTO FALLS
LAKE-POND
SEC. 22, 23, 26 T. 28 N. R. 19 E.
OCONTO COUNTY



EQUIPMENT RECORDING SONAR MAPPED		AUG. 1969	
TOPOGRAPHIC SYMBOLS		MONTH	YEAR
(B) Brush	Steep slope	P. Peat	B. Boulders
(PW) Partially wooded	----- Indefinite shoreline	Mk. Muck	St. Stumps & Snags
(W) Wooded	----- Marsh	C. Clay	Rock danger to navigation
(C) Cleared	----- Spring	M. Marl	T. Submergent vegetation
(P) Pastured	----- Intermittent stream	Sd. Sand	I. Emergent vegetation
(A) Agricultural	----- Permanent inlet	Sl. Silt	F. Floating vegetation
B.M. Bench Mark	----- Permanent outlet	Gr. Gravel	Brush shelters
(D) Dwelling	----- Dam	R. Rubble	
(R) Resort	----- D.N.R. State owned land	Bc. Bedrock	
(C) Camp			

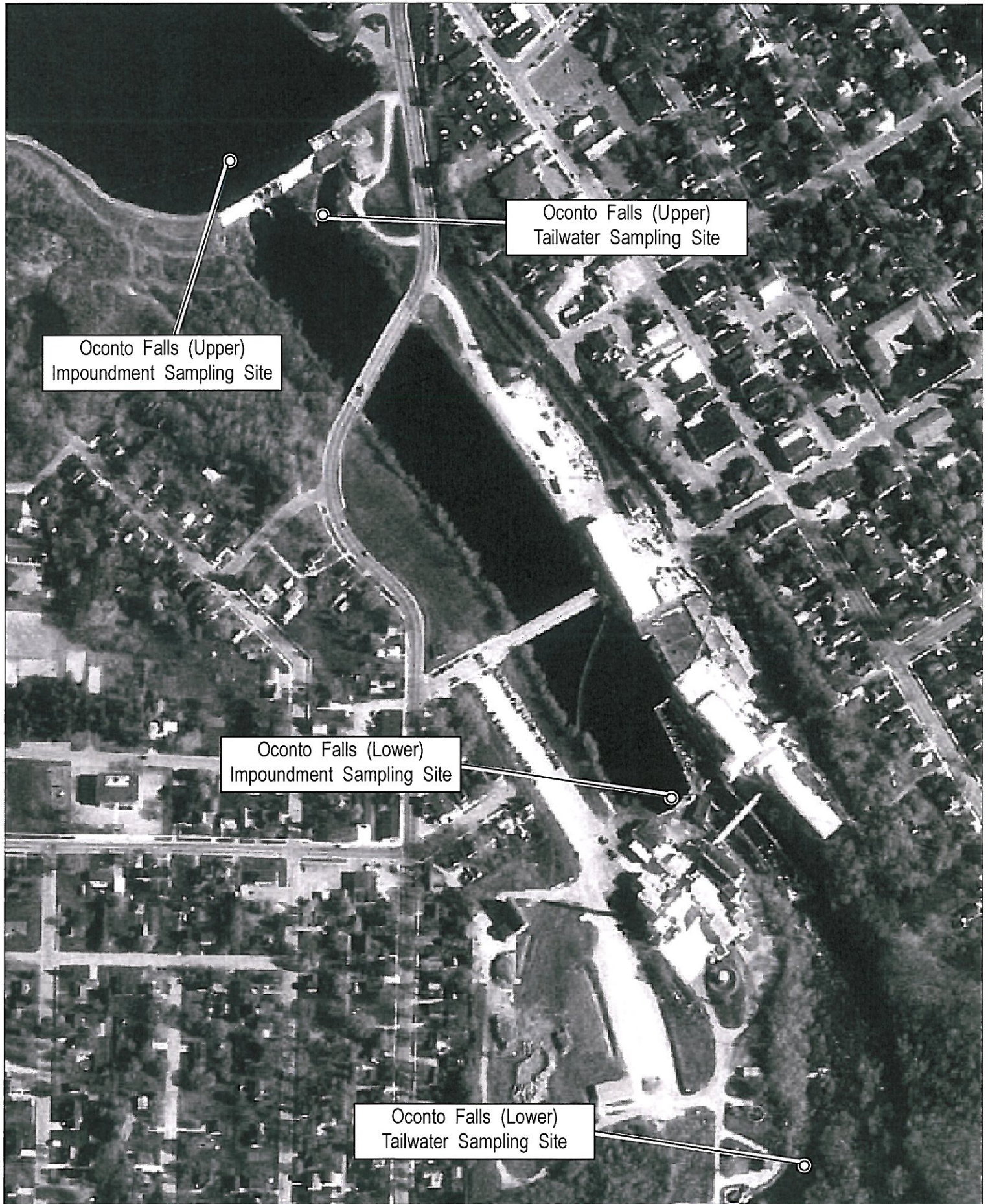
600' 0' 600' 1200' 1800' 2400'
SCALE
Access Access with Parking Boat Livery
Drawn by: C. Hall
Field work by: J. Smith

SPECIES OF FISH		Abundant	Common	Frequent
Muskie				
N. Pike				
Walleye				
L.M. Bass				
S.M. Bass				
Panfish				
Trout				

WATER AREA 166.5 ACRES
UNDER 3 FT. 19 %
OVER 20 FT. 6 %
MAX. DEPTH 28 FEET.
TOTAL ALK. 114 P.P.M.
VOLUME 1700. ACRE FT.
MAIN SHORELINE 4.34 MI.
ISLAND SHORELINE 20 MI.

OCONTO FALLS WATER QUALITY MONITORING

Sampling Locations



Water Quality Monitoring Data
Month of July 2014

**TAILWATER EQUIPMENT
CALIBRATION RECORD**

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 07/01/2014

Time: 11:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 7.82

Temperature: 74.8 F

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.24

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1418

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 75.4 Reading: 7.01

Standard 2: 10.00

Temp: 75.2 Reading: 10.02

Calibration:

Standard 1: 7.00

Temp: 75.4 Set To: 7.00

Standard 1: 10.00

Temp: 75.2 Set To: 10.00

Joe LeBuff

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 07/08/14

Time: 11:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.47

Temperature: 72.6

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.46

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1400

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 72.8 Reading: 7.05

Standard 2: 10.00

Temp: 72.9 Reading: 9.99

Calibration:

Standard 1: 7.00

Temp: 72.9 Set To: 7.00

Standard 1: 10.00

Temp: 72.9 Set To: 10.00

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 07/15/2014

Time: 11:30

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 9.05

Temperature: 69.1 F

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.75

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1413

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 69.1 Reading: 7.0

Standard 2: 10.00

Temp: 69.1 Reading: 10.07

Calibration:

Standard 1: 7.00

Temp: 69.1 Set To: 7.00

Standard 1: 10.00

Temp: 69.1 Set To: 10.00

John Birk

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 07/22/2014

Time: 1100

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.01

Temperature: 79.0 F

Barometric Pressure: 742

Dissolved Oxygen Set To: 7.93

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1386

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 80.9 Reading: 7.00

Standard 2: 10.00

Temp: 81.2 Reading: 9.95

Calibration:

Standard 1: 7.00

Temp: 80.9 Set To: 7.00

Standard 1: 10.00

Temp: 81.1 Set To: 10.00



Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 07/29/2014

Time: 11:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.47

Temperature: 71.8

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.47

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1440

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 71.8 Reading: 7.02

Standard 2: 10.00

Temp: 71.8 Reading: 10.00

Calibration:

Standard 1: 7.00

Temp: 71.8 Set To: 7.00

Standard 1: 10.00

Temp: 71.8 Set To: 10.00

Joe LeBr...

Water Quality Monitoring Data
Month of August 2014

**TAILWATER EQUIPMENT
CALIBRATION RECORD**

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 8/5/14

Time: 11:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.40

Temperature: 72.7

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.47

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1417

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 72.4 Reading: 7.00

Standard 2: 10.00

Temp: 72.4 Reading: 10.02

Calibration:

Standard 1: 7.00

Temp: 72.4 Set To: 7.00

Standard 1: 10.00

Temp: 72.4 Set To: 10.00

Joe L. B...

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 8/14/14

Time: 10:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 9.11

Temperature: 65.8

Barometric Pressure: 742

Dissolved Oxygen Set To: 9.01

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1406

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 68.0 Reading: 7.03

Standard 2: 10.00

Temp: 68.4 Reading: 10.07

Calibration:

Standard 1: 7.00

Temp: 68.5 Set To: 7.00

Standard 1: 10.00

Temp: 68.4 Set To: 10.00

Joe L Brack

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 8/19/14

Time: 1100

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.51

Temperature: 70.3

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.62

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1414

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 70.0 Reading: 7.02

Standard 2: 10.00

Temp: 70.0 Reading: 10.03

Calibration:

Standard 1: 7.00

Temp: 70.0 Set To: 7.00

Standard 1: 10.00

Temp: 70.0 Set To: 10.00

Joe Le Buck

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 8/28/14

Time: 10:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.92

Temperature: 68.8

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.77

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1405

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 69.1 Reading: 7.01

Standard 2: 10.00

Temp: 69.2 Reading: 9.95

Calibration:

Standard 1: 7.00

Temp: 69.1 Set To: 7.00

Standard 1: 10.00

Temp: 69.2 Set To: 10.00

Joe LeBruck

Water Quality Monitoring Data
Month of September 2014

**TAILWATER EQUIPMENT
CALIBRATION RECORD**

Monitoring Equipment Generic Calibration/Post Field Cal Check Form

Date: 9/11/14

Time: 12:00

Instrument I.D.: Hydrolab MS5 # 02 Instrument Deployed Location: Oconto Falls Upper

Dissolved Oxygen

Post Field D O Reading: 8.17

Temperature: 73.7

Barometric Pressure: 742

Dissolved Oxygen Set To: 8.39

Conductivity

Conductivity Standard: 1412

Post Field Reading: 1412

Conductivity Standard: 1412

Conductivity Set To: 1412

pH

Post Field Check:

Standard 1: 7.00

Temp: 73.5 Reading: 7.03

Standard 2: 10.00

Temp: 72.8 Reading: 10.00

Calibration:

Standard 1: 7.00

Temp: 73.5 Set To: 7.00

Standard 1: 10.00

Temp: 72.8 Set To: 10.00

Joe J. Bud

OCONTO FALLS UPPER – FERC #2523

Compliance/Energy Records

On

Reservoir Sampling Dates – July 2014

Taken From Project Energy/Compliance Logs

[illegible]

OCONTO FALLS UPPER – FERC #2523

Compliance/Energy Records
On
Reservoir Sampling Dates – August 2014
Taken From Project Energy/Compliance Logs

Date 2014	Time	UNITS									Production Last Period	Reservoir Level	Tail/River Level	Hydraulic Flow	Total Project Flow
		1 KW	1 Meter	1 KWHRS	2 KW	2 Meter	2 KWHRS	3 KW	3 Meter	3 KWHRS	Total KWHRS	(MSL)	(MSL)	(CFS)	(CFS)
Aug 01	8:00	240	0	5780	0	0	0	230	219.46	5620	11400	731.29	702.11	272	272
Aug 08	8:00	0	0	0	0	0	0	440	56.33	8110	8110	731.36	702.07	229	229
Aug 15	8:00	0	0	0	0	0	0	420	129.05	10420	10420	731.44	702.12	220	220
Aug 22	8:00	0	0	0	400	15.31	9640	430	198.25	10210	19850	731.26	702.07	428	428
Aug 29	8:00	300	76.84	4870	0	0	0	300	249.81	8540	13410	731.26	701.45	326	326

OCONTO FALLS UPPER – FERC #2523

Compliance/Energy Records

On

Reservoir Sampling Dates – September 2014

Taken From Project Energy/Compliance Logs

[illegible]

Water Quality Monitoring Data
Month of July 2014

APPENDIX A
RESERVOIR SAMPLING DATA

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 07-11-2014

Pre-Sampling Data:

Time: 14:20 Barometer: 742 Air Temp: (78°F) 25.55 °C Wind Speed: 5 mph

Sky Conditions: Overcast

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: HACH

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014 14:00

Battery Status: 1/2 Charge

Calibration Time: 07/10/14 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 M

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature °C
100 mm below surface	14:25	9.6	23.1°C
1 meter	14:25	9.16	22.9°C
2 meters	14:27	8.65	22.5°C
3 meters	14:28	7.18	22.0°C
4 meters	14:28	7.16	21.5
5 meters	14:29	7.13	21.3
6 meters	14:29	6.34	21.0
7 meters	14:30	4.92	20.7
100 mm above bottom	14:22	2.41	20.5

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface			

Comments: _____

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBreak John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 07-18-2014

Pre-Sampling Data:

Time: 12:00 Barometer: 742 Air Temp: (75) 23.88 °C Wind Speed: 55 W 10 mph

Sky Conditions: Part Cloudy

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: _____

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 M

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature °C
100 mm below surface	12:02	10.586	22.3
1 meter	12:03	9.44	20.4
2 meters	12:04	8.31	20.2
3 meters	12:04	8.04	19.9
4 meters	12:05	7.81	19.7
5 meters	12:05	7.51	19.5
6 meters	12:06	7.40	19.2
7 meters	12:06	6.66	19.0
100 mm above bottom	12:08	6.01	18.9

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface			

Comments: _____

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe Le Breck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 07-25-2014

Pre-Sampling Data:

Time: 12:00 Barometer: 742 Air Temp: 20.5 °C Wind Speed: 6 mph SW

Sky Conditions: Overcast, light rain

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: _____

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	12:00	8.62	24.0'
1 meter	12:00	8.62	24.0'
2 meters	12:00	7.86	24.0'
3 meters	12:00	6.42	23.5'
4 meters	12:01	5.90	23.1'
5 meters	12:01	5.81	23.0'
6 meters	12:02	4.16	22.1'
7 meters	12:02	0.04	19.6'
100 mm above bottom	12:04	0.04	19.0'

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface			

Comments: _____

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBreck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 08-01-2014

Pre-Sampling Data:

Time: 12:00 Barometer: 742 Air Temp: 26.66 °C Wind Speed: W

Sky Conditions: Overcast

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used:

Where The Batterys Changed?

☒ Yes ☐ No If Yes, Time Changed:

Battery Status: Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	12:28	8.72	24.5
1 meter	12:29	8.50	23.9
2 meters	12:29	7.86	22.2
3 meters	12:30	7.47	21.7
4 meters	12:30	7.13	21.4
5 meters	12:31	6.52	20.9
6 meters	12:31	5.71	20.5
7 meters	12:32	0.49	19.8
100 mm above bottom	12:35	0.09	19.3

Hach HQ40d Second Unit

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	12:45	8.83	25.1

Comments:

Power Production Records for Previous 24 Hours Recovered:

☒ Upper Dam ☒ Lower Dam

Performed By: Joe Le Breck

John Funderburg

Jane Manibusan

From: Joe LeBreck
Sent: Monday, August 04, 2014 10:10 AM
To: Jane Manibusan
Subject: RE: Water Testing Data for July

Hi Jane

We did not do reservoir testing the first week because we did not have the proper cord for the unit. So as we got the unit with the longer cord from Dwight we started doing the testing.

Thanks

joe

From: Jane Manibusan
Sent: Monday, August 04, 2014 10:05 AM
To: Joe LeBreck
Subject: RE: Water Testing Data for July

Thanks Joe

I have one questions- did you do any sampling form for the end of June or first of July?

From: Joe LeBreck
Sent: Monday, August 04, 2014 9:58 AM
To: Jane Manibusan
Subject: Water Testing Data for July

Hi Jane

Here is all the Water Testing Data for July. If there is anything else I need to send you please let me know.

Thanks

joe

Water Quality Monitoring Reservoir Sampling Data
 July 01-Aug 01, 2014
 Oconto Falls Lower P-2523

Date	Time	Depth	LDO mg/l	Temp ° F
7/1/2014	12:00	100 mm Below Surface	0	0.00
7/1/2014	12:00	1 Meter	0	0.00
7/1/2014	12:00	2 Meter	0	0.00
7/1/2014	12:00	3 Meter	0	0.00
7/1/2014	12:00	4 Meter	0	0.00
7/1/2014	12:00	5 Meter	0	0.00
7/1/2014	12:00	6Meter	0	0.00
7/1/2014	12:00	7 Meter	0	0.00
7/1/2014	12:00	100 mm Above Bottom	0.00	0.00
7/11/2014	14:25	100 mm Below Surface	9.60	23.10
7/11/2014	14:25	1 Meter	9.16	22.90
7/11/2014	14:27	2 Meter	8.65	22.50
7/11/2014	14:28	3 Meter	7.18	22.00
7/11/2014	14:28	4 Meter	7.16	21.50
7/11/2014	14:29	5 Meter	7.13	21.30
7/11/2014	14:29	6 Meter	6.34	21.00
7/11/2014	14:30	7 Meter	4.92	20.70
7/11/2014	14:22	100 mm Above Bottom	2.41	20.50
7/18/2014	12:02	100 mm Below Surface	10.56	22.30
7/18/2014	12:03	1 Meter	9.44	20.40
7/18/2014	12:04	2 Meter	8.31	20.20
7/18/2014	12:04	3 Meter	8.04	19.90
7/18/2014	12:05	4 Meter	7.81	19.70
7/18/2014	12:05	5 Meter	7.51	19.50
7/18/2014	12:06	6 Meter	7.40	19.20
7/18/2014	12:06	7 Meter	6.66	19.00
7/18/2014	12:08	100 mm Above Bottom	6.01	18.90
7/25/2014	12:00	100 mm Below Surface	8.62	24.00
7/25/2014	12:00	1 Meter	8.62	24.00
7/25/2014	12:00	2 Meter	7.86	24.00
7/25/2014	12:00	3 Meter	6.42	23.50
7/25/2014	12:01	4 Meter	5.90	23.10
7/25/2014	12:01	5 Meter	5.81	23.00
7/25/2014	12:02	6 Meter	4.16	22.10
7/25/2014	12:02	7 Meter	0.04	19.60
7/25/2014	12:04	100 mm Above Bottom	0.04	19.00
8/1/2014	12:28	100 mm Below Surface	8.72	24.50
8/1/2014	12:29	1 Meter	8.50	23.90
8/1/2014	12:29	2 Meter	7.86	22.20
8/1/2014	12:30	3 Meter	7.47	21.70
8/1/2014	12:30	4 Meter	7.13	21.40
8/1/2014	12:31	5 Meter	6.52	20.90
8/1/2014	12:31	6 Meter	5.71	20.50

Water Quality Monitoring Reservoir Sampling Data
 July 01-Aug 01, 2014
 Oconto Falls Lower P-2523

Date	Time	Depth	LDO	Temp
			mg/l	° F
8/1/2014	12:32	7 Meter	0.49	19.80
8/1/2014	12:35	100 mm Above Bottom	0.09	19.30

Water Quality Monitoring Data
Month of August 2014

APPENDIX A
RESERVOIR SAMPLING DATA

Water Quality Monitoring Reservoir Sampling Data
 July 01-Aug 29, 2014
 Oconto Falls Upper P-2523

Date	Time	Depth	LDO mg/l	Temp ° F
7/1/2014	12:00	100 mm Below Surface	0	0.00
7/1/2014	12:00	1 Meter	0	0.00
7/1/2014	12:00	2 Meter	0	0.00
7/1/2014	12:00	3 Meter	0	0.00
7/1/2014	12:00	4 Meter	0	0.00
7/1/2014	12:00	5 Meter	0	0.00
7/1/2014	12:00	6Meter	0	0.00
7/1/2014	12:00	7 Meter	0	0.00
7/1/2014	12:00	100 mm Above Bottom	0.00	0.00
7/11/2014	14:25	100 mm Below Surface	9.60	23.10
7/11/2014	14:25	1 Meter	9.16	22.90
7/11/2014	14:27	2 Meter	8.65	22.50
7/11/2014	14:28	3 Meter	7.18	22.00
7/11/2014	14:28	4 Meter	7.16	21.50
7/11/2014	14:29	5 Meter	7.13	21.30
7/11/2014	14:29	6 Meter	6.34	21.00
7/11/2014	14:30	7 Meter	4.92	20.70
7/11/2014	14:22	100 mm Above Bottom	2.41	20.50
7/18/2014	12:02	100 mm Below Surface	10.56	22.30
7/18/2014	12:03	1 Meter	9.44	20.40
7/18/2014	12:04	2 Meter	8.31	20.20
7/18/2014	12:04	3 Meter	8.04	19.90
7/18/2014	12:05	4 Meter	7.81	19.70
7/18/2014	12:05	5 Meter	7.51	19.50
7/18/2014	12:06	6 Meter	7.40	19.20
7/18/2014	12:06	7 Meter	6.66	19.00
7/18/2014	12:08	100 mm Above Bottom	6.01	18.90
7/25/2014	12:00	100 mm Below Surface	8.62	24.00
7/25/2014	12:00	1 Meter	8.62	24.00
7/25/2014	12:00	2 Meter	7.86	24.00
7/25/2014	12:00	3 Meter	6.42	23.50
7/25/2014	12:01	4 Meter	5.90	23.10
7/25/2014	12:01	5 Meter	5.81	23.00
7/25/2014	12:02	6 Meter	4.16	22.10
7/25/2014	12:02	7 Meter	0.04	19.60
7/25/2014	12:04	100 mm Above Bottom	0.04	19.00
8/1/2014	12:28	100 mm Below Surface	8.72	24.50
8/1/2014	12:29	1 Meter	8.50	23.90
8/1/2014	12:29	2 Meter	7.86	22.20
8/1/2014	12:30	3 Meter	7.47	21.70
8/1/2014	12:30	4 Meter	7.13	21.40
8/1/2014	12:31	5 Meter	6.52	20.90
8/1/2014	12:31	6 Meter	5.71	20.50

Water Quality Monitoring Reservoir Sampling Data
 July 01-Aug 29, 2014
 Oconto Falls Upper P-2523

Date	Time	Depth	LDO	Temp
			mg/l	° F
8/1/2014	12:32	7 Meter	0.49	19.80
8/1/2014	12:35	100 mm Above Bottom	0.09	19.30
8/8/2014	11:15	100 mm Below Surface	9.70	25.20
8/8/2014	11:15	1 Meter	8.88	24.70
8/8/2014	11:15	2 Meter	6.55	23.90
8/8/2014	11:15	3 Meter	6.42	23.90
8/8/2014	11:15	4 Meter	5.51	23.30
8/8/2014	11:15	5 Meter	4.86	22.90
8/8/2014	11:15	6 Meter	4.99	22.60
8/8/2014	11:15	7 Meter	0.11	20.40
8/8/2014	11:15	100 mm Above Bottom	0.03	19.50
8/15/2014	11:15	100 mm Below Surface	7.70	21.80
8/15/2014	11:15	1 Meter	7.34	21.70
8/15/2014	11:15	2 Meter	7.32	21.40
8/15/2014	11:15	3 Meter	7.11	21.20
8/15/2014	11:15	4 Meter	6.42	20.80
8/15/2014	11:15	5 Meter	5.63	20.30
8/15/2014	11:15	6 Meter	5.51	20.10
8/15/2014	11:15	7 Meter	4.90	20.00
8/15/2014	11:15	100 mm Above Bottom	0.21	19.50
8/22/2014	11:00	100 mm Below Surface	7.87	20.90
8/22/2014	11:00	1 Meter	7.74	20.50
8/22/2014	11:00	2 Meter	7.47	20.20
8/22/2014	11:00	3 Meter	7.12	20.00
8/22/2014	11:00	4 Meter	6.92	19.70
8/22/2014	11:00	5 Meter	7.05	19.60
8/22/2014	11:00	6 Meter	6.98	19.60
8/22/2014	11:00	7 Meter	6.99	19.50
8/22/2014	11:00	100 mm Above Bottom	0.34	19.10
8/29/2014	10:00	100 mm Below Surface	6.83	21.60
8/29/2014	10:00	1 Meter	6.70	21.40
8/29/2014	10:00	2 Meter	6.40	21.20
8/29/2014	10:00	3 Meter	6.15	20.60
8/29/2014	10:00	4 Meter	6.12	20.40
8/29/2014	10:00	5 Meter	6.17	20.30
8/29/2014	10:00	6 Meter	6.60	20.20
8/29/2014	10:00	7 Meter	5.71	20.30
8/29/2014	10:00	100 mm Above Bottom	0.12	18.80

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 08-01-2014

Pre-Sampling Data:

Time: 12:00 Barometer: 742 Air Temp: (80°F) 26.66 °C Wind Speed: W

Sky Conditions: Overcast

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: HACH

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	12:28	8.72	24.5
1 meter	12:29	8.50	23.9
2 meters	12:29	7.86	22.2
3 meters	12:30	7.47	21.7
4 meters	12:30	7.13	21.4
5 meters	12:31	6.52	20.9
6 meters	12:31	5.71	20.5
7 meters	12:32	0.49	19.8
100 mm above bottom	12:35	0.09	19.3

Hach HQ40d Second Unit

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	12:45	8.83	25.1

Comments:

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe Le Breck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 08-08-2014

Pre-Sampling Data:

Time: 11:15 Barometer: 742 Air Temp: 18.3 °C Wind Speed: 4 mph N

Sky Conditions: Clear

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: _____

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OF UP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>11:15</u>	<u>9.70</u>	<u>25.2</u>
1 meter		<u>8.88</u>	<u>24.7</u>
2 meters		<u>6.55</u>	<u>23.9</u>
3 meters		<u>6.42</u>	<u>23.9</u>
4 meters		<u>5.51</u>	<u>23.3</u>
5 meters		<u>4.86</u>	<u>22.9</u>
6 meters		<u>4.99</u>	<u>22.6</u>
7 meters		<u>0.11</u>	<u>20.4</u>
100 mm above bottom		<u>0.03</u>	<u>19.5</u>

Hach HQ40d Second Unit

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface		<u>9.99 (9.78)</u>	<u>25.1</u>

Comments: 10.05 (9.82)

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBreck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 08-15-2014

Pre-Sampling Data:

Time: 1115 Barometer: 742 Air Temp: 18.3 °C Wind Speed: W 5 mph

Sky Conditions: Clear

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used:

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OF UP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>11:15</u>	<u>7.70</u>	<u>21.8</u>
1 meter		<u>7.34</u>	<u>21.7</u>
2 meters		<u>7.32</u>	<u>21.4</u>
3 meters		<u>7.11</u>	<u>21.2</u>
4 meters		<u>6.42</u>	<u>20.8</u>
5 meters		<u>5.63</u>	<u>20.3</u>
6 meters		<u>5.51</u>	<u>20.1</u>
7 meters		<u>4.90</u>	<u>20.0</u>
100 mm above bottom		<u>0.21</u>	<u>19.5</u>

Hach HQ40d Second Unit

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface		<u>7.85</u>	<u>21.9</u>

Comments:

Power Production Records for Previous 24 Hours Recovered:

☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBreck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 08-22-2014

Pre-Sampling Data:

Time: 11:00 Barometer: 742 Air Temp: 21.1 °C Wind Speed: ESS 5 mph

Sky Conditions: overcast

Precipitation within Last 24 Hours: 0.10"

D.O. Meter Calibration: Instrument Model Used: _____

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OF4P Measured Depth to Bottom: 7.6m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature °C
100 mm below surface	<u>11:00</u>	<u>7.87</u>	<u>20.9</u>
1 meter		<u>7.74</u>	<u>20.5</u>
2 meters		<u>7.47</u>	<u>20.2</u>
3 meters		<u>7.12</u>	<u>20.0</u>
4 meters		<u>6.92</u>	<u>19.7</u>
5 meters		<u>7.05</u>	<u>19.6</u>
6 meters		<u>6.98</u>	<u>19.6</u>
7 meters		<u>6.99</u>	<u>19.5</u>
100 mm above bottom		<u>0.34</u>	<u>19.1</u>

Hach HQ40d Second Unit

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface		<u>7.95</u>	<u>21.6</u>

Comments: Rain yesterday

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBrack John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 08-29-2014

Pre-Sampling Data:

Time: 1000 Barometer: 742 Air Temp: 21.1 °C Wind Speed: 2 mph South

Sky Conditions: Overcast

Precipitation within Last 24 Hours: 0.4"

D.O. Meter Calibration: Instrument Model Used: HACH

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 07-10-2014

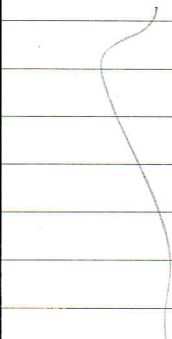
Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OF 4F Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>1000</u>	<u>6.83</u>	<u>21.6</u>
1 meter		<u>6.70</u>	<u>21.4</u>
2 meters		<u>6.40</u>	<u>21.2</u>
3 meters		<u>6.15</u>	<u>20.6</u>
4 meters		<u>6.12</u>	<u>20.4</u>
5 meters		<u>6.17</u>	<u>20.3</u>
6 meters		<u>6.6</u>	<u>20.2</u>
7 meters		<u>5.71</u>	<u>20.2</u>
100 mm above bottom		<u>0.12</u>	<u>18.8</u>

Hach HQ40d Second Unit

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>10:00</u>	<u>6.96</u>	<u>21.6</u>

Comments: _____

Power Production Records for Previous 24 Hours Recovered:

☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBrock

John Funderburg

Water Quality Monitoring Data
Month of September 2014

APPENDIX A
RESERVOIR SAMPLING DATA

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 09-05-2014

Pre-Sampling Data:

Time: 10:00 Barometer: 742 Air Temp: 21 °C Wind Speed: W 9

Sky Conditions: Part Sun

Precipitation within Last 24 Hours: 2.0"

D.O. Meter Calibration: Instrument Model Used: HACH

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 7-10-14

Battery Status: 1/2 Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>1000</u>	<u>6.94</u>	<u>19.3</u>
1 meter	}	<u>6.92</u>	<u>19.3</u>
2 meters		<u>6.90</u>	<u>19.3</u>
3 meters		<u>6.88</u>	<u>19.3</u>
4 meters		<u>6.86</u>	<u>19.2</u>
5 meters		<u>6.82</u>	<u>19.2</u>
6 meters		<u>6.70</u>	<u>18.8</u>
7 meters		<u>6.60</u>	<u>18.8</u>
100 mm above bottom		<u>0.94</u>	<u>18.7</u>

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface		<u>7.05</u>	<u>19.6</u>

Comments: _____

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe Lebeck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 09-12-2014

Pre-Sampling Data:

Time: 10:00 Barometer: 742 Air Temp: 7 °C Wind Speed: N7

Sky Conditions: Overcast

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: HACH

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 7-10-24

Battery Status: 1/2 Charge

Calibration Time: 7/11/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>1000</u>	<u>7.10</u>	<u>14.4</u>
1 meter		<u>7.09</u>	<u>14.4</u>
2 meters		<u>7.15</u>	<u>14.2</u>
3 meters		<u>7.17</u>	<u>14.2</u>
4 meters		<u>7.18</u>	<u>14.2</u>
5 meters		<u>7.18</u>	<u>14.2</u>
6 meters		<u>7.17</u>	<u>14.1</u>
7 meters		<u>7.16</u>	<u>14.1</u>
100 mm above bottom		<u>3.81</u>	<u>14.2</u>

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface			

Comments:

Power Production Records for Previous 24 Hours Recovered:

☒ Upper Dam ☒ Lower Dam

Performed By: Joe Le Brock

John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 9-19-2014

Pre-Sampling Data:

Time: 10:00 Barometer: 742 Air Temp: 15 °C Wind Speed: 511

Sky Conditions: Part Sun

Precipitation within Last 24 Hours: 0

D.O. Meter Calibration: Instrument Model Used: _____

Where The Batterys Changed? ☒ Yes ☐ No If Yes, Time Changed: 7-10-2014

Battery Status: Y2 Charge _____

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>1000</u>	<u>8.56</u>	<u>13.4</u>
1 meter		<u>8.65</u>	<u>13.2</u>
2 meters		<u>8.68</u>	<u>13.2</u>
3 meters		<u>8.65</u>	<u>13.1</u>
4 meters		<u>8.46</u>	<u>13.0</u>
5 meters		<u>8.41</u>	<u>13.0</u>
6 meters		<u>8.40</u>	<u>13.0</u>
7 meters		<u>8.37</u>	<u>13.0</u>
100 mm above bottom		<u>8.20</u>	<u>13.0</u>

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface			

Comments: _____

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe LeBreck John Funderburg

RESERVOIR SAMPLING LOG

2014 Water Quality Study - Oconto Falls (Upper) Hydroelectric Project - FERC #2325

Date: 09-26-2014

Pre-Sampling Data:

Time: 10:00 Barometer: 742 Air Temp: 16 °C Wind Speed: NE 2

Sky Conditions: Clear

Precipitation within Last 24 Hours: _____

D.O. Meter Calibration: Instrument Model Used: HACH

Where The Batteries Changed? ☒ Yes ☐ No If Yes, Time Changed: _____

Battery Status: _____ Charge

Calibration Time: 7/10/2014 Method: Factory

Sampling Depth Profile:

Location #: OFUP Measured Depth to Bottom: 7.6 m

HQ40d Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface	<u>10:00</u>	<u>8.85</u>	<u>16.1</u>
1 meter		<u>8.84</u>	<u>16.1</u>
2 meters		<u>8.47</u>	<u>15.7</u>
3 meters		<u>8.35</u>	<u>15.5</u>
4 meters		<u>8.34</u>	<u>15.4</u>
5 meters		<u>7.95</u>	<u>14.8</u>
6 meters		<u>7.85</u>	<u>14.6</u>
7 meters		<u>7.60</u>	<u>14.5</u>
100 mm above bottom		<u>6.99</u>	<u>14.5</u>

Hach Hydrolab MS5 D.O. Sample Data

Depth	Time	D.O. (mg/l)	Temperature
100 mm below surface			

Comments: _____

Power Production Records for Previous 24 Hours Recovered: ☒ Upper Dam ☒ Lower Dam

Performed By: Joe Le Breck John Funderburg

Water Quality Monitoring Reservoir Sampling Data
July 01-September 30, 2014
Oconto Falls Upper P-2523

Date	Time	Depth	LDO mg/l	Temp ° F
7/1/2014	12:00	100 mm Below Surface	0	0.00
7/1/2014	12:00	1 Meter	0	0.00
7/1/2014	12:00	2 Meter	0	0.00
7/1/2014	12:00	3 Meter	0	0.00
7/1/2014	12:00	4 Meter	0	0.00
7/1/2014	12:00	5 Meter	0	0.00
7/1/2014	12:00	6Meter	0	0.00
7/1/2014	12:00	7 Meter	0	0.00
7/1/2014	12:00	100 mm Above Bottom	0.00	0.00
7/11/2014	14:25	100 mm Below Surface	9.60	23.10
7/11/2014	14:25	1 Meter	9.16	22.90
7/11/2014	14:27	2 Meter	8.65	22.50
7/11/2014	14:28	3 Meter	7.18	22.00
7/11/2014	14:28	4 Meter	7.16	21.50
7/11/2014	14:29	5 Meter	7.13	21.30
7/11/2014	14:29	6 Meter	6.34	21.00
7/11/2014	14:30	7 Meter	4.92	20.70
7/11/2014	14:22	100 mm Above Bottom	2.41	20.50
7/18/2014	12:02	100 mm Below Surface	10.56	22.30
7/18/2014	12:03	1 Meter	9.44	20.40
7/18/2014	12:04	2 Meter	8.31	20.20
7/18/2014	12:04	3 Meter	8.04	19.90
7/18/2014	12:05	4 Meter	7.81	19.70
7/18/2014	12:05	5 Meter	7.51	19.50
7/18/2014	12:06	6 Meter	7.40	19.20
7/18/2014	12:06	7 Meter	6.66	19.00
7/18/2014	12:08	100 mm Above Bottom	6.01	18.90
7/25/2014	12:00	100 mm Below Surface	8.62	24.00
7/25/2014	12:00	1 Meter	8.62	24.00
7/25/2014	12:00	2 Meter	7.86	24.00
7/25/2014	12:00	3 Meter	6.42	23.50
7/25/2014	12:01	4 Meter	5.90	23.10
7/25/2014	12:01	5 Meter	5.81	23.00
7/25/2014	12:02	6 Meter	4.16	22.10
7/25/2014	12:02	7 Meter	0.04	19.60
7/25/2014	12:04	100 mm Above Bottom	0.04	19.00
8/1/2014	12:28	100 mm Below Surface	8.72	24.50
8/1/2014	12:29	1 Meter	8.50	23.90
8/1/2014	12:29	2 Meter	7.86	22.20
8/1/2014	12:30	3 Meter	7.47	21.70
8/1/2014	12:30	4 Meter	7.13	21.40
8/1/2014	12:31	5 Meter	6.52	20.90
8/1/2014	12:31	6 Meter	5.71	20.50

Water Quality Monitoring Reservoir Sampling Data
July 01-September 30, 2014
Oconto Falls Upper P-2523

Date	Time	Depth	LDO mg/l	Temp ° F
8/1/2014	12:32	7 Meter	0.49	19.80
8/1/2014	12:35	100 mm Above Bottom	0.09	19.30
8/8/2014	11:15	100 mm Below Surface	9.70	25.20
8/8/2014	11:15	1 Meter	8.88	24.70
8/8/2014	11:15	2 Meter	6.55	23.90
8/8/2014	11:15	3 Meter	6.42	23.90
8/8/2014	11:15	4 Meter	5.51	23.30
8/8/2014	11:15	5 Meter	4.86	22.90
8/8/2014	11:15	6 Meter	4.99	22.60
8/8/2014	11:15	7 Meter	0.11	20.40
8/8/2014	11:15	100 mm Above Bottom	0.03	19.50
8/15/2014	11:15	100 mm Below Surface	7.70	21.80
8/15/2014	11:15	1 Meter	7.34	21.70
8/15/2014	11:15	2 Meter	7.32	21.40
8/15/2014	11:15	3 Meter	7.11	21.20
8/15/2014	11:15	4 Meter	6.42	20.80
8/15/2014	11:15	5 Meter	5.63	20.30
8/15/2014	11:15	6 Meter	5.51	20.10
8/15/2014	11:15	7 Meter	4.90	20.00
8/15/2014	11:15	100 mm Above Bottom	0.21	19.50
8/22/2014	11:00	100 mm Below Surface	7.87	20.90
8/22/2014	11:00	1 Meter	7.74	20.50
8/22/2014	11:00	2 Meter	7.47	20.20
8/22/2014	11:00	3 Meter	7.12	20.00
8/22/2014	11:00	4 Meter	6.92	19.70
8/22/2014	11:00	5 Meter	7.05	19.60
8/22/2014	11:00	6 Meter	6.98	19.60
8/22/2014	11:00	7 Meter	6.99	19.50
8/22/2014	11:00	100 mm Above Bottom	0.34	19.10
8/29/2014	10:00	100 mm Below Surface	6.83	21.60
8/29/2014	10:00	1 Meter	6.70	21.40
8/29/2014	10:00	2 Meter	6.40	21.20
8/29/2014	10:00	3 Meter	6.15	20.60
8/29/2014	10:00	4 Meter	6.12	20.40
8/29/2014	10:00	5 Meter	6.17	20.30
8/29/2014	10:00	6 Meter	6.60	20.20
8/29/2014	10:00	7 Meter	5.71	20.30
8/29/2014	10:00	100 mm Above Bottom	0.12	18.80
9/5/2014	10:00	100 mm Below Surface	6.94	19.30
9/5/2014	10:00	1 Meter	6.92	19.30
9/5/2014	10:00	2 Meter	6.90	19.30
9/5/2014	10:00	3 Meter	6.88	19.30
9/5/2014	10:00	4 Meter	6.86	19.20

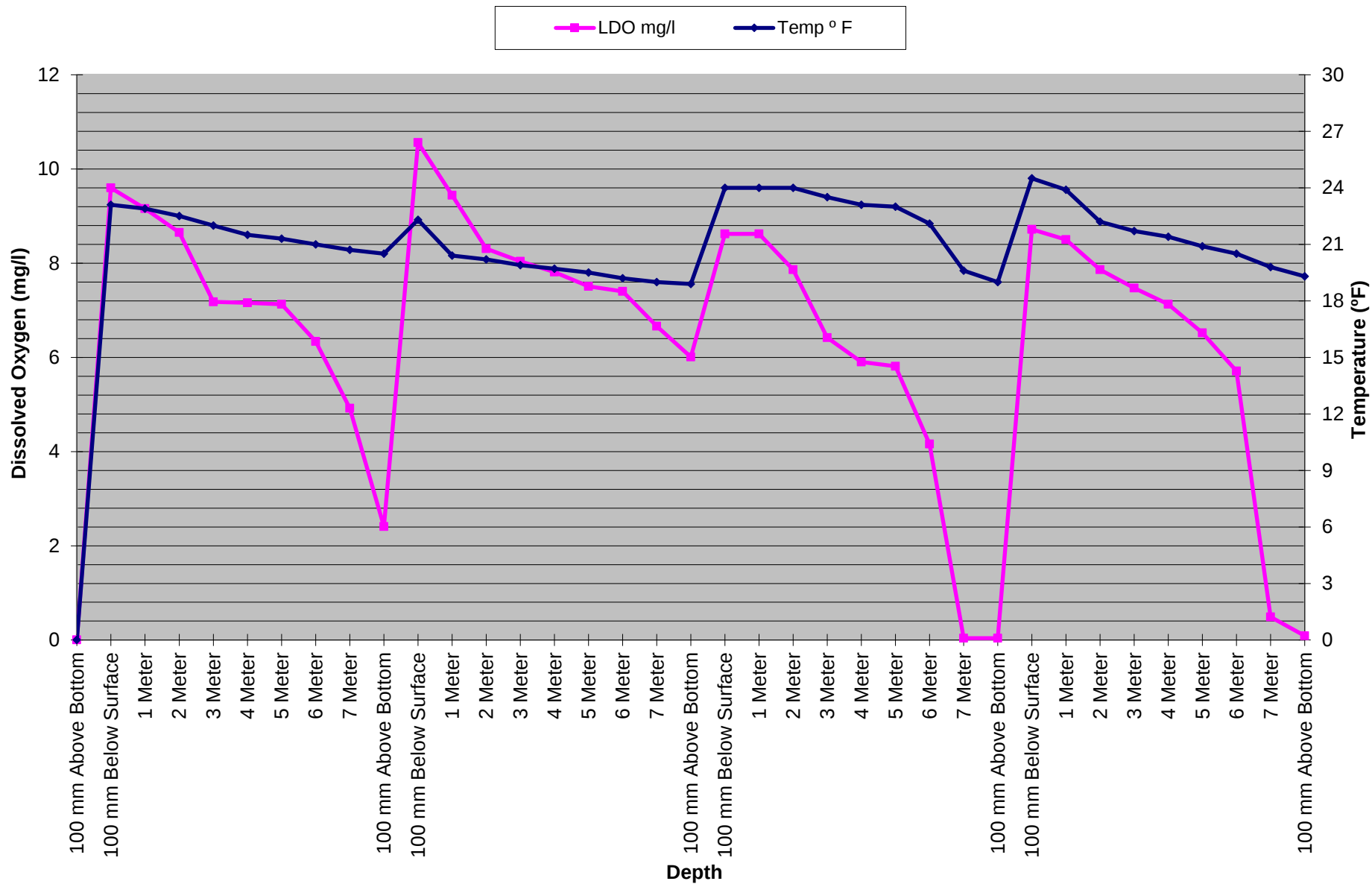
Water Quality Monitoring Reservoir Sampling Data
 July 01-September 30, 2014
 Oconto Falls Upper P-2523

Date	Time	Depth	LDO mg/l	Temp ° F
9/5/2014	10:00	5 Meter	6.82	19.20
9/5/2014	10:00	6 Meter	6.70	18.80
9/5/2014	10:00	7 Meter	6.60	18.80
9/5/2014	10:00	100 mm Above Bottom	0.94	18.70
9/12/2014	10:00	100 mm Below Surface	7.10	14.40
9/12/2014	10:00	1 Meter	7.09	14.40
9/12/2014	10:00	2 Meter	7.15	14.20
9/12/2014	10:00	3 Meter	7.17	14.20
9/12/2014	10:00	4 Meter	7.18	14.20
9/12/2014	10:00	5 Meter	7.18	14.20
9/12/2014	10:00	6 Meter	7.17	14.10
9/12/2014	10:00	7 Meter	7.16	14.10
9/12/2014	10:00	100 mm Above Bottom	3.81	14.20
9/19/2014	10:00	100 mm Below Surface	8.56	13.40
9/19/2014	10:00	1 Meter	8.65	13.20
9/19/2014	10:00	2 Meter	8.68	13.20
9/19/2014	10:00	3 Meter	8.65	13.10
9/19/2014	10:00	4 Meter	8.46	13.00
9/19/2014	10:00	5 Meter	8.41	13.00
9/19/2014	10:00	6 Meter	8.40	13.00
9/19/2014	10:00	7 Meter	8.37	13.00
9/19/2014	10:00	100 mm Above Bottom	8.20	13.00
9/26/2014	10:00	100 mm Below Surface	8.85	16.10
9/26/2014	10:00	1 Meter	8.84	16.10
9/26/2014	10:00	2 Meter	8.47	15.70
9/26/2014	10:00	3 Meter	8.35	15.50
9/26/2014	10:00	4 Meter	8.34	15.40
9/26/2014	10:00	5 Meter	7.95	14.80
9/26/2014	10:00	6 Meter	7.85	14.60
9/26/2014	10:00	7 Meter	7.60	14.50
9/26/2014	10:00	100 mm Above Bottom	6.99	14.50

Water Quality Monitoring Data
Month of July 2014

APPENDIX B
RESERVOIR SAMPLING GRAPHS

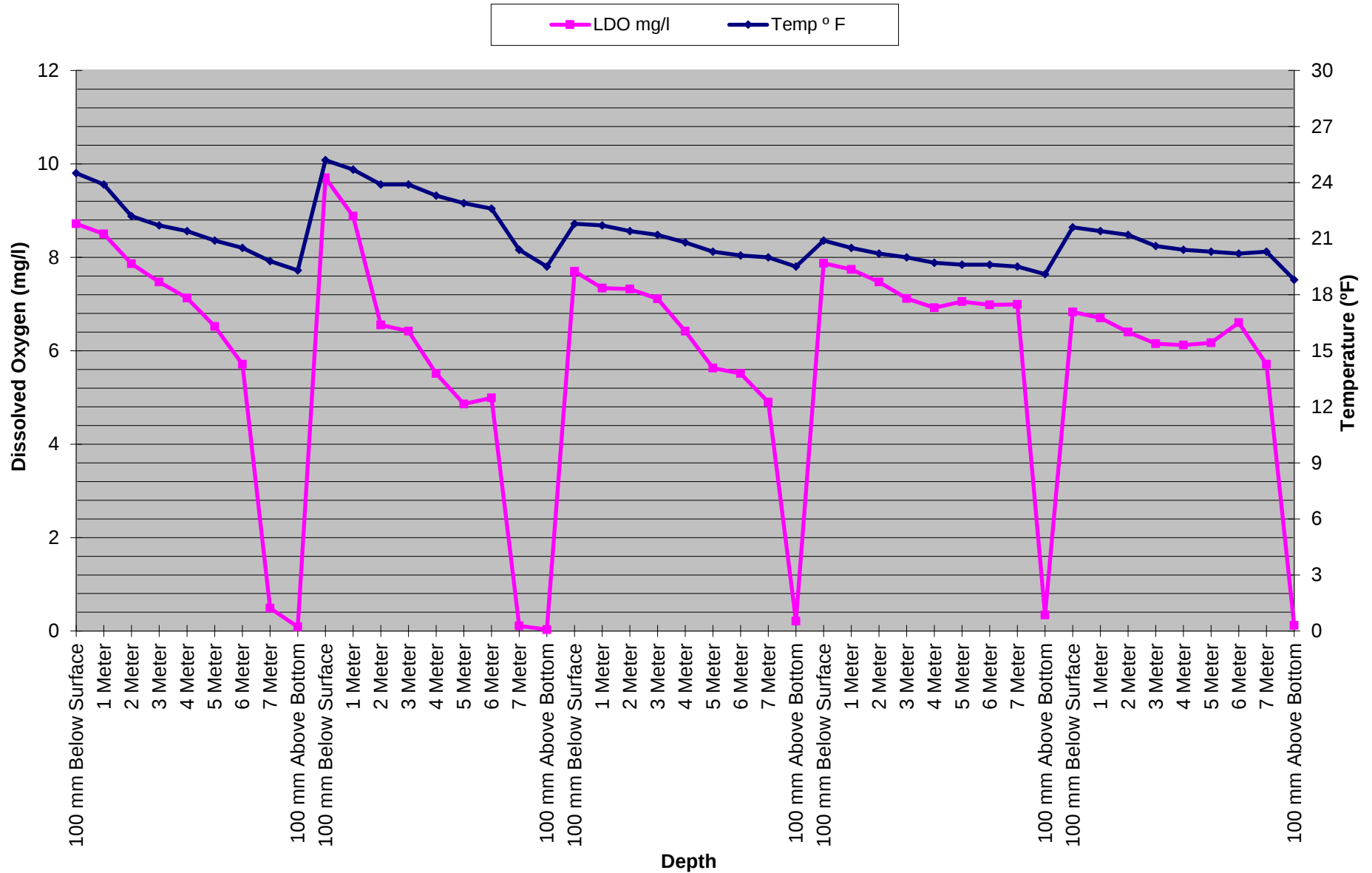
**Oconto Falls Upper FERC #2523
RESERVOIR
7/11-7/18-7/25-8/1/2014 Sampling Dates
Temperature and Dissolved Oxygen**



Water Quality Monitoring Data
Month of August 2014

APPENDIX B
RESERVOIR SAMPLING GRAPHS

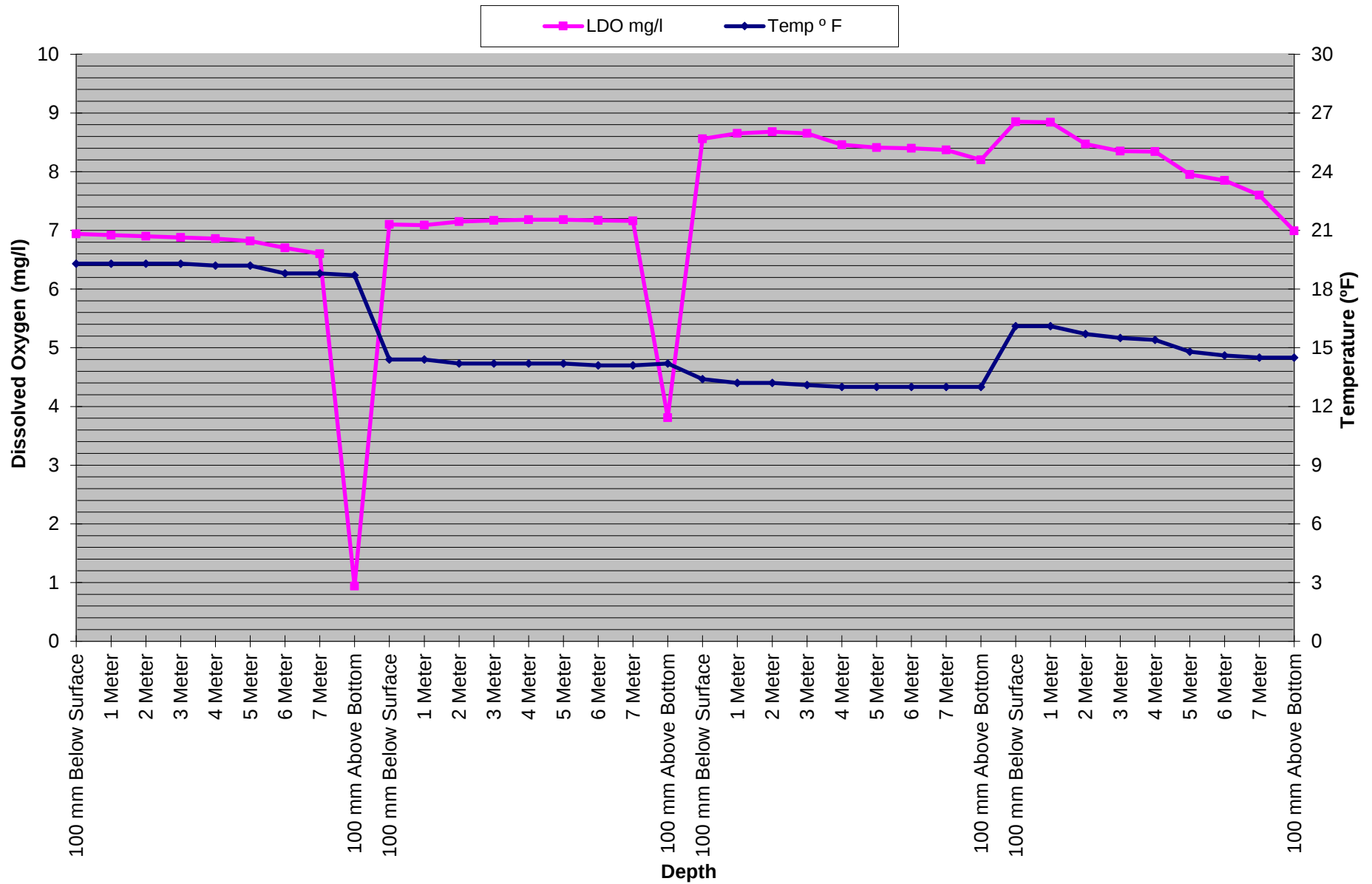
**Oconto Falls Upper FERC #2523
RESERVOIR
8/1-8/8-8/15-8/22-8/29 Sampling Dates
Temperature and Dissolved Oxygen**



Water Quality Monitoring Data
Month of September 2014

APPENDIX B
RESERVOIR SAMPLING GRAPHS

**Oconto Falls Upper FERC #2523
RESERVOIR**
9/5 - 9/12 - 9/19 - 9/26 Sampling Dates
Dissolved Oxygen and Temperature



Water Quality Monitoring Data
Month of July 2014

APPENDIX C
TAILWATER SAMPLING DATA

Water Quality Monitoring Data July 01-15, 2014
Oconto Falls Upper P-2523
License Article # 405

Hydrolab MS5 60751

Log File Name : JULY1-15-14-OFUP

Setup Date (M/D/YYYY) : 7/1/2014

Setup Time (HH:MM:SS) : 11:46:22

Starting Date (M/D/YYYY) : 7/1/2014

Starting Time (HH:MM:SS) : 12:00:00

Stopping Date (M/D/YYYY) : 7/15/2014

Stopping Time (HH:MM:SS) : 12:00:00

Interval (HH:MM:SS) : 00:30:00

Sensor warmup (HH:MM:SS) : 00:00:30

Circltr warmup (HH:MM:SS) : 00:00:00

Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/1/2014	12:00:00	74.7	0	8.7	7.49	10.8
7/1/2014	12:30:00	74.6	293	7.5	7.95	10.9
7/1/2014	13:00:00	74.6	293	7.47	7.96	11
7/1/2014	13:30:00	74.8	293	7.52	7.97	11
7/1/2014	14:00:00	74.7	293	7.5	7.96	11.1
7/1/2014	14:30:00	74.7	293	7.44	7.96	11
7/1/2014	15:00:00	74.6	293	7.36	7.95	11
7/1/2014	15:30:00	74.6	293	7.31	7.94	11.1
7/1/2014	16:00:00	74.7	292	7.39	7.95	11.1
7/1/2014	16:30:00	74.6	292	7.3	7.94	11.1
7/1/2014	17:00:00	74.6	292	7.29	7.94	11.1
7/1/2014	17:30:00	74.7	292	7.32	7.94	11.1
7/1/2014	18:00:00	74.7	291	7.37	7.94	11.1
7/1/2014	18:30:00	74.7	290	7.49	7.96	11.1
7/1/2014	19:00:00	74.7	290	7.44	7.96	11.1
7/1/2014	19:30:00	74.4	290	7.24	7.94	11.1
7/1/2014	20:00:00	74.3	290	7.19	7.93	11.1
7/1/2014	20:30:00	74.1	291	7.02	7.91	11.1
7/1/2014	21:00:00	74.1	290	7.15	7.93	11.1
7/1/2014	21:30:00	73.9	290	7.12	7.92	11.1
7/1/2014	22:00:00	73.8	289	6.97	7.9	11.1
7/1/2014	22:30:00	73.7	289	6.95	7.9	11.1
7/1/2014	23:00:00	73.5	289	6.94	7.9	11.1
7/1/2014	23:30:00	73.5	289	7.06	7.91	11.1
7/2/2014	0:00:00	73.4	289	7.14	7.92	11.1
7/2/2014	0:30:00	73.4	289	7.17	7.93	11.1
7/2/2014	1:00:00	73.3	289	7.13	7.92	11.1
7/2/2014	1:30:00	73.3	289	7.18	7.92	11.1
7/2/2014	2:00:00	73.4	288	7.17	7.93	11.1
7/2/2014	2:30:00	73.3	288	7.29	7.94	11.1
7/2/2014	3:00:00	73.3	288	7.21	7.93	11.1
7/2/2014	3:30:00	73.2	288	7.18	7.93	11.1
7/2/2014	4:00:00	73.2	288	7.14	7.92	11.1
7/2/2014	4:30:00	73.2	288	7.12	7.92	11.1

Water Quality Monitoring Data July 01-15, 2014
Oconto Falls Upper P-2523
License Article # 405

Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/2/2014	5:00:00	73.2	288	7.1	7.92	11.1
7/2/2014	5:30:00	73.1	288	7.08	7.92	11.1
7/2/2014	6:00:00	73.1	288	7.07	7.91	11.1
7/2/2014	6:30:00	73.1	288	7.12	7.92	11.1
7/2/2014	7:00:00	73	288	7.01	7.91	11.1
7/2/2014	7:30:00	73	288	6.96	7.9	11.1
7/2/2014	8:00:00	73	288	7	7.91	11.1
7/2/2014	8:30:00	72.9	288	6.93	7.9	11.1
7/2/2014	9:00:00	72.9	288	6.85	7.89	11.1
7/2/2014	9:30:00	72.9	288	6.79	7.89	11.1
7/2/2014	10:00:00	72.9	288	6.81	7.89	11.1
7/2/2014	10:30:00	72.8	288	6.91	7.9	11.1
7/2/2014	11:00:00	72.8	288	6.96	7.9	11.1
7/2/2014	11:30:00	72.8	288	7.01	7.91	11.1
7/2/2014	12:00:00	72.7	288	7.08	7.92	11.1
7/2/2014	12:30:00	72.7	288	7.13	7.92	11.1
7/2/2014	13:00:00	72.7	288	7.18	7.93	11.1
7/2/2014	13:30:00	70.1	0	9.29	0	10.9
7/2/2014	14:00:00	72.8	288	7.28	7.94	11
7/2/2014	14:30:00	72.9	289	7.34	7.95	11
7/2/2014	15:00:00	73	289	7.35	7.95	11
7/2/2014	15:30:00	73.1	289	7.35	7.95	11
7/2/2014	16:00:00	73.1	289	7.36	7.95	11
7/2/2014	16:30:00	73.1	289	7.33	7.95	11
7/2/2014	17:00:00	73.2	289	7.18	7.93	11
7/2/2014	17:30:00	72.9	288	7.01	7.92	11
7/2/2014	18:00:00	72.6	288	7.05	7.92	11
7/2/2014	18:30:00	72.4	288	7.09	7.92	11
7/2/2014	19:00:00	72.3	288	7.09	7.92	11
7/2/2014	19:30:00	72.2	287	7.2	7.93	11
7/2/2014	20:00:00	72.3	288	7.23	7.93	11
7/2/2014	20:30:00	72.2	287	7.19	7.93	11
7/2/2014	21:00:00	72.1	288	7.15	7.92	11
7/2/2014	21:30:00	72	288	7.15	7.92	11
7/2/2014	22:00:00	71.9	288	7.09	7.91	11
7/2/2014	22:30:00	71.8	288	7.13	7.91	11
7/2/2014	23:00:00	71.8	288	7.19	7.91	11
7/2/2014	23:30:00	71.6	289	7.19	7.91	11
7/3/2014	0:00:00	71.5	289	7.14	7.9	11
7/3/2014	0:30:00	71.4	289	7.08	7.9	11
7/3/2014	1:00:00	71.4	290	7.08	7.89	11
7/3/2014	1:30:00	71.3	291	7.08	7.89	11
7/3/2014	2:00:00	71.2	292	7.05	7.88	11
7/3/2014	2:30:00	71.2	291	7.03	7.88	11
7/3/2014	3:00:00	71.1	292	7.05	7.88	11
7/3/2014	3:30:00	71.1	292	7.04	7.88	11

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/3/2014	4:00:00	71	292	6.99	7.87	11
7/3/2014	4:30:00	71	292	6.98	7.87	11
7/3/2014	5:00:00	70.9	293	7.04	7.88	11
7/3/2014	5:30:00	70.9	294	7.11	7.88	11
7/3/2014	6:00:00	70.9	294	7.17	7.89	11
7/3/2014	6:30:00	70.8	294	7.22	7.9	11
7/3/2014	7:00:00	70.8	293	7.17	7.89	11
7/3/2014	7:30:00	70.8	293	7.21	7.9	11
7/3/2014	8:00:00	70.8	293	7.14	7.89	11
7/3/2014	8:30:00	70.8	294	7.13	7.88	11
7/3/2014	9:00:00	70.7	295	7.01	7.87	11
7/3/2014	9:30:00	70.8	296	7.08	7.88	11
7/3/2014	10:00:00	70.8	296	7.15	7.88	11
7/3/2014	10:30:00	70.8	297	7.2	7.89	11
7/3/2014	11:00:00	70.9	298	7.23	7.89	11
7/3/2014	11:30:00	71	299	7.34	7.91	11
7/3/2014	12:00:00	71	299	7.51	7.92	11
7/3/2014	12:30:00	71.2	298	7.63	7.94	11
7/3/2014	13:00:00	71.1	298	7.53	7.93	10.9
7/3/2014	13:30:00	71.2	299	7.57	7.93	10.9
7/3/2014	14:00:00	71.6	298	7.83	7.96	10.9
7/3/2014	14:30:00	71	299	7.57	7.93	10.9
7/3/2014	15:00:00	71	299	7.59	7.93	10.9
7/3/2014	15:30:00	70.8	300	7.61	7.93	11
7/3/2014	16:00:00	70.8	301	7.6	7.93	10.9
7/3/2014	16:30:00	70.7	301	7.44	7.91	11
7/3/2014	17:00:00	70.5	301	7.33	7.9	10.9
7/3/2014	17:30:00	70.4	301	7.33	7.9	10.9
7/3/2014	18:00:00	70.4	301	7.26	7.89	10.9
7/3/2014	18:30:00	70.1	302	7.17	7.88	10.9
7/3/2014	19:00:00	70.2	302	7.22	7.89	10.9
7/3/2014	19:30:00	70.3	302	7.29	7.89	10.9
7/3/2014	20:00:00	70.2	302	7.34	7.91	10.9
7/3/2014	20:30:00	70.1	302	7.32	7.9	10.9
7/3/2014	21:00:00	70.2	302	7.27	7.91	10.9
7/3/2014	21:30:00	69.9	302	7.22	7.89	10.9
7/3/2014	22:00:00	69.9	302	7.2	7.89	10.9
7/3/2014	22:30:00	69.8	303	7.18	7.89	10.9
7/3/2014	23:00:00	69.7	303	7.17	7.88	10.9
7/3/2014	23:30:00	69.7	303	7.16	7.88	10.9
7/4/2014	0:00:00	69.7	302	7.26	7.89	10.9
7/4/2014	0:30:00	69.7	302	7.25	7.89	10.9
7/4/2014	1:00:00	69.7	302	7.33	7.9	10.9
7/4/2014	1:30:00	69.7	302	7.41	7.91	10.9
7/4/2014	2:00:00	69.7	302	7.31	7.9	10.9
7/4/2014	2:30:00	69.6	302	7.33	7.9	10.9

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/4/2014	3:00:00	69.6	302	7.36	7.9	10.9
7/4/2014	3:30:00	69.5	303	7.44	7.9	10.9
7/4/2014	4:00:00	69.6	303	7.45	7.91	10.9
7/4/2014	4:30:00	69.6	302	7.47	7.91	10.9
7/4/2014	5:00:00	69.6	302	7.56	7.92	10.9
7/4/2014	5:30:00	69.6	303	7.58	7.92	10.9
7/4/2014	6:00:00	69.5	303	7.53	7.92	10.9
7/4/2014	6:30:00	69.5	303	7.57	7.92	10.9
7/4/2014	7:00:00	69.5	303	7.6	7.92	10.9
7/4/2014	7:30:00	69.5	303	7.65	7.92	10.9
7/4/2014	8:00:00	69.5	303	7.62	7.92	10.9
7/4/2014	8:30:00	69.6	303	7.68	7.93	10.9
7/4/2014	9:00:00	69.6	304	7.71	7.93	10.9
7/4/2014	9:30:00	69.7	304	7.69	7.93	10.9
7/4/2014	10:00:00	69.8	303	7.75	7.93	10.9
7/4/2014	10:30:00	69.9	304	7.69	7.92	10.8
7/4/2014	11:00:00	69.9	304	7.72	7.93	10.9
7/4/2014	11:30:00	70	304	7.81	7.93	10.9
7/4/2014	12:00:00	70.1	304	7.84	7.94	10.8
7/4/2014	12:30:00	70.3	304	7.91	7.95	10.9
7/4/2014	13:00:00	70	304	7.86	7.94	10.8
7/4/2014	13:30:00	70.4	304	8	7.96	10.8
7/4/2014	14:00:00	70.3	304	7.9	7.95	10.8
7/4/2014	14:30:00	70.6	304	8.06	7.97	10.8
7/4/2014	15:00:00	70.5	304	7.97	7.95	10.8
7/4/2014	15:30:00	70.2	304	7.85	7.94	10.9
7/4/2014	16:00:00	70.5	304	7.95	7.95	10.9
7/4/2014	16:30:00	70.8	304	8.01	7.95	10.8
7/4/2014	17:00:00	70.3	305	7.79	7.93	10.8
7/4/2014	17:30:00	70.3	304	7.8	7.93	10.8
7/4/2014	18:00:00	70.6	304	7.94	7.94	10.8
7/4/2014	18:30:00	71	304	8.01	7.96	10.8
7/4/2014	19:00:00	70.8	304	7.97	7.96	10.8
7/4/2014	19:30:00	70.9	304	8.02	7.97	10.8
7/4/2014	20:00:00	70.7	304	7.96	7.95	10.8
7/4/2014	20:30:00	70.7	303	7.98	7.96	10.8
7/4/2014	21:00:00	70.4	303	7.86	7.94	10.8
7/4/2014	21:30:00	70.3	303	7.82	7.94	10.8
7/4/2014	22:00:00	70.1	303	7.81	7.93	10.8
7/4/2014	22:30:00	70.1	303	7.74	7.93	10.8
7/4/2014	23:00:00	70	303	7.7	7.92	10.8
7/4/2014	23:30:00	70	303	7.71	7.92	10.8
7/5/2014	0:00:00	69.8	303	7.69	7.91	10.8
7/5/2014	0:30:00	69.8	303	7.65	7.91	10.8
7/5/2014	1:00:00	69.9	303	7.72	7.92	10.8
7/5/2014	1:30:00	69.9	303	7.68	7.92	10.8

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7/5/2014	2:00:00	69.8	303	7.68	7.92	10.8
7/5/2014	2:30:00	69.8	303	7.68	7.91	10.8
7/5/2014	3:00:00	69.7	303	7.76	7.92	10.8
7/5/2014	3:30:00	69.8	302	7.78	7.92	10.8
7/5/2014	4:00:00	69.7	303	7.76	7.92	10.8
7/5/2014	4:30:00	69.7	302	7.75	7.92	10.8
7/5/2014	5:00:00	69.7	302	7.75	7.92	10.8
7/5/2014	5:30:00	69.8	302	7.8	7.93	10.8
7/5/2014	6:00:00	69.8	302	7.83	7.93	10.8
7/5/2014	6:30:00	69.7	302	7.82	7.93	10.8
7/5/2014	7:00:00	69.7	302	7.85	7.93	10.8
7/5/2014	7:30:00	69.7	301	7.86	7.93	10.8
7/5/2014	8:00:00	69.7	302	7.82	7.93	10.8
7/5/2014	8:30:00	69.6	302	7.83	7.93	10.8
7/5/2014	9:00:00	69.6	301	7.89	7.93	10.8
7/5/2014	9:30:00	69.6	301	7.85	7.93	10.8
7/5/2014	10:00:00	69.6	301	7.86	7.93	10.8
7/5/2014	10:30:00	69.6	301	7.82	7.92	10.8
7/5/2014	11:00:00	69.8	301	7.9	7.93	10.8
7/5/2014	11:30:00	69.8	301	7.92	7.93	10.8
7/5/2014	12:00:00	69.9	301	7.9	7.93	10.8
7/5/2014	12:30:00	70	301	7.87	7.93	10.8
7/5/2014	13:00:00	70.4	302	8.11	7.96	10.8
7/5/2014	13:30:00	70.8	302	8.23	7.97	10.8
7/5/2014	14:00:00	70.8	301	8.25	7.98	10.8
7/5/2014	14:30:00	71	302	8.24	7.98	10.8
7/5/2014	15:00:00	71.1	302	8.29	7.98	10.8
7/5/2014	15:30:00	71.4	302	8.41	8	10.8
7/5/2014	16:00:00	71.4	302	8.28	7.98	10.8
7/5/2014	16:30:00	71.7	302	8.45	8	10.8
7/5/2014	17:00:00	71.6	302	8.39	7.99	10.8
7/5/2014	17:30:00	71.5	302	8.41	7.99	10.8
7/5/2014	18:00:00	71.6	302	8.34	7.99	10.8
7/5/2014	18:30:00	71.6	302	8.34	7.99	10.8
7/5/2014	19:00:00	71.5	302	8.27	7.98	10.8
7/5/2014	19:30:00	71.4	302	8.11	7.96	10.8
7/5/2014	20:00:00	71.3	302	8.09	7.96	10.8
7/5/2014	20:30:00	71.2	302	8.01	7.94	10.8
7/5/2014	21:00:00	71.4	302	8.08	7.96	10.8
7/5/2014	21:30:00	71.6	302	8.17	7.97	10.8
7/5/2014	22:00:00	71.6	302	8.15	7.97	10.8
7/5/2014	22:30:00	71.6	302	8.16	7.96	10.8
7/5/2014	23:00:00	71.4	302	8.03	7.95	10.8
7/5/2014	23:30:00	71.2	302	7.85	7.92	10.8
7/6/2014	0:00:00	71.1	301	7.77	7.91	10.8
7/6/2014	0:30:00	71.1	301	7.75	7.92	10.8

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7/6/2014	1:00:00	71.1	301	7.77	7.92	10.8
7/6/2014	1:30:00	71.1	301	7.8	7.92	10.8
7/6/2014	2:00:00	71.1	301	7.81	7.92	10.8
7/6/2014	2:30:00	71.1	300	7.79	7.93	10.8
7/6/2014	3:00:00	71.2	300	7.92	7.94	10.8
7/6/2014	3:30:00	71.1	300	7.88	7.93	10.8
7/6/2014	4:00:00	71.1	300	7.82	7.93	10.8
7/6/2014	4:30:00	71.1	300	7.82	7.93	10.8
7/6/2014	5:00:00	71.2	300	7.89	7.94	10.8
7/6/2014	5:30:00	71.1	300	7.86	7.94	10.8
7/6/2014	6:00:00	71.1	300	7.83	7.94	10.8
7/6/2014	6:30:00	71.1	300	7.79	7.93	10.8
7/6/2014	7:00:00	71	300	7.79	7.93	10.8
7/6/2014	7:30:00	71	300	7.78	7.93	10.8
7/6/2014	8:00:00	71	300	7.74	7.93	10.8
7/6/2014	8:30:00	71	300	7.72	7.93	10.8
7/6/2014	9:00:00	71	300	7.73	7.93	10.8
7/6/2014	9:30:00	71	300	7.78	7.93	10.8
7/6/2014	10:00:00	70.9	299	7.79	7.93	10.8
7/6/2014	10:30:00	71	299	7.87	7.94	10.8
7/6/2014	11:00:00	71	299	7.83	7.94	10.8
7/6/2014	11:30:00	70.9	299	7.77	7.94	10.8
7/6/2014	12:00:00	70.9	299	7.85	7.94	10.8
7/6/2014	12:30:00	70.9	299	7.77	7.94	10.8
7/6/2014	13:00:00	70.8	299	7.74	7.93	10.8
7/6/2014	13:30:00	70.8	299	7.75	7.93	10.8
7/6/2014	14:00:00	70.7	298	7.73	7.93	10.8
7/6/2014	14:30:00	70.8	298	7.81	7.94	10.8
7/6/2014	15:00:00	70.9	299	7.84	7.94	10.8
7/6/2014	15:30:00	71	299	7.88	7.95	10.8
7/6/2014	16:00:00	71.1	299	7.84	7.94	10.8
7/6/2014	16:30:00	71.2	299	7.84	7.95	10.8
7/6/2014	17:00:00	71.2	299	7.84	7.95	10.8
7/6/2014	17:30:00	71.3	299	7.89	7.95	10.8
7/6/2014	18:00:00	71.3	299	7.85	7.95	10.8
7/6/2014	18:30:00	71.3	299	7.9	7.95	10.8
7/6/2014	19:00:00	71.3	299	7.82	7.94	10.8
7/6/2014	19:30:00	71.2	299	7.75	7.94	10.8
7/6/2014	20:00:00	71.3	299	7.77	7.94	10.8
7/6/2014	20:30:00	71.2	299	7.76	7.93	10.8
7/6/2014	21:00:00	71.2	299	7.7	7.93	10.8
7/6/2014	21:30:00	71.1	299	7.7	7.92	10.8
7/6/2014	22:00:00	71.1	299	7.68	7.93	10.8
7/6/2014	22:30:00	71.2	299	7.73	7.93	10.8
7/6/2014	23:00:00	71.3	299	7.77	7.94	10.8
7/6/2014	23:30:00	71.3	299	7.84	7.95	10.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/7/2014	0:00:00	71.4	299	7.93	7.97	10.8
7/7/2014	0:30:00	71.5	299	7.96	7.97	10.8
7/7/2014	1:00:00	71.4	299	7.91	7.97	10.8
7/7/2014	1:30:00	71.3	299	7.88	7.96	10.8
7/7/2014	2:00:00	71.3	299	7.83	7.96	10.8
7/7/2014	2:30:00	71.2	299	7.83	7.95	10.8
7/7/2014	3:00:00	71.1	299	7.7	7.94	10.8
7/7/2014	3:30:00	71.1	299	7.64	7.93	10.8
7/7/2014	4:00:00	71.1	299	7.67	7.93	10.8
7/7/2014	4:30:00	71	299	7.61	7.93	10.8
7/7/2014	5:00:00	71	299	7.54	7.93	10.8
7/7/2014	5:30:00	71	298	7.53	7.93	10.7
7/7/2014	6:00:00	70.9	299	7.49	7.92	10.8
7/7/2014	6:30:00	70.9	298	7.43	7.92	10.8
7/7/2014	7:00:00	70.8	299	7.3	7.9	10.7
7/7/2014	7:30:00	70.8	298	7.33	7.91	10.8
7/7/2014	8:00:00	70.8	299	7.32	7.91	10.8
7/7/2014	8:30:00	70.8	299	7.19	7.9	10.8
7/7/2014	9:00:00	70.9	298	7.21	7.9	10.7
7/7/2014	9:30:00	71	298	7.27	7.92	10.7
7/7/2014	10:00:00	71.2	299	7.45	7.94	10.7
7/7/2014	10:30:00	71.4	298	7.48	7.94	10.8
7/7/2014	11:00:00	71.5	299	7.5	7.94	10.7
7/7/2014	11:30:00	71.7	299	7.56	7.95	10.7
7/7/2014	12:00:00	71.9	299	7.55	7.95	10.7
7/7/2014	12:30:00	72.1	299	7.64	7.96	10.7
7/7/2014	13:00:00	72.3	299	7.63	7.96	10.7
7/7/2014	13:30:00	72.3	299	7.6	7.96	10.8
7/7/2014	14:00:00	72.4	299	7.58	7.96	10.7
7/7/2014	14:30:00	72.3	299	7.55	7.95	10.8
7/7/2014	15:00:00	72.4	300	7.58	7.95	10.8
7/7/2014	15:30:00	72.5	299	7.69	7.97	10.8
7/7/2014	16:00:00	72.4	299	7.65	7.96	10.8
7/7/2014	16:30:00	72.7	299	7.71	7.97	10.8
7/7/2014	17:00:00	72.9	299	7.85	7.99	10.8
7/7/2014	17:30:00	72.6	299	7.72	7.98	10.8
7/7/2014	18:00:00	72.5	299	7.68	7.97	10.8
7/7/2014	18:30:00	72.2	300	7.56	7.95	10.8
7/7/2014	19:00:00	72	300	7.4	7.94	10.8
7/7/2014	19:30:00	71.9	300	7.42	7.94	10.8
7/7/2014	20:00:00	71.8	300	7.3	7.92	10.8
7/7/2014	20:30:00	71.7	300	7.29	7.93	10.8
7/7/2014	21:00:00	71.6	300	7.22	7.92	10.8
7/7/2014	21:30:00	71.5	301	7.17	7.91	10.8
7/7/2014	22:00:00	71.5	301	7.21	7.92	10.8
7/7/2014	22:30:00	71.5	301	7.24	7.93	10.7

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/7/2014	23:00:00	71.6	301	7.38	7.93	10.7
7/7/2014	23:30:00	71.7	300	7.42	7.94	10.8
7/8/2014	0:00:00	71.5	301	7.27	7.92	10.7
7/8/2014	0:30:00	71.5	301	7.23	7.92	10.8
7/8/2014	1:00:00	71.6	301	7.33	7.93	10.8
7/8/2014	1:30:00	71.7	301	7.4	7.94	10.8
7/8/2014	2:00:00	71.7	301	7.41	7.95	10.8
7/8/2014	2:30:00	71.7	301	7.44	7.95	10.7
7/8/2014	3:00:00	71.6	301	7.43	7.95	10.8
7/8/2014	3:30:00	71.6	301	7.41	7.95	10.7
7/8/2014	4:00:00	71.6	301	7.51	7.96	10.7
7/8/2014	4:30:00	71.6	301	7.48	7.96	10.7
7/8/2014	5:00:00	71.5	301	7.43	7.95	10.7
7/8/2014	5:30:00	71.5	301	7.43	7.95	10.7
7/8/2014	6:00:00	71.5	301	7.46	7.96	10.7
7/8/2014	6:30:00	71.5	301	7.5	7.96	10.7
7/8/2014	7:00:00	71.4	301	7.58	7.97	10.7
7/8/2014	7:30:00	71.4	301	7.56	7.97	10.7
7/8/2014	8:00:00	71.4	301	7.48	7.96	10.7
7/8/2014	8:30:00	71.4	301	7.48	7.96	10.7
7/8/2014	9:00:00	71.4	301	7.47	7.96	10.7
7/8/2014	9:30:00	71.5	301	7.53	7.97	10.7
7/8/2014	10:00:00	71.6	301	7.48	7.96	10.7
7/8/2014	10:30:00	71.6	301	7.45	7.95	10.7
7/8/2014	11:00:00	71.7	301	7.46	7.96	10.7
7/8/2014	11:30:00	71.6	6	8.49	9.9	10.4
7/8/2014	12:00:00	71.8	305	7.28	7.93	10.5
7/8/2014	12:30:00	72	305	7.23	7.92	10.6
7/8/2014	13:00:00	72.3	306	7.26	7.94	10.6
7/8/2014	13:30:00	72.3	306	7.22	7.93	10.6
7/8/2014	14:00:00	72.2	306	7.21	7.93	10.6
7/8/2014	14:30:00	72.4	306	7.29	7.94	10.6
7/8/2014	15:00:00	72.5	305	7.36	7.95	10.6
7/8/2014	15:30:00	72.4	306	7.4	7.96	10.6
7/8/2014	16:00:00	72.5	307	7.38	7.96	10.6
7/8/2014	16:30:00	72.6	307	7.43	7.96	10.6
7/8/2014	17:00:00	72.6	307	7.43	7.96	10.6
7/8/2014	17:30:00	72.6	307	7.41	7.96	10.7
7/8/2014	18:00:00	72.6	307	7.46	7.97	10.7
7/8/2014	18:30:00	72.6	307	7.42	7.97	10.7
7/8/2014	19:00:00	72.5	306	7.35	7.95	10.7
7/8/2014	19:30:00	72.4	307	7.27	7.94	10.7
7/8/2014	20:00:00	72.3	307	7.17	7.93	10.7
7/8/2014	20:30:00	72.2	307	7.09	7.92	10.7
7/8/2014	21:00:00	72.1	307	7.03	7.91	10.7
7/8/2014	21:30:00	72	307	7	7.91	10.7

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/8/2014	22:00:00	72	307	7	7.91	10.7
7/8/2014	22:30:00	71.9	307	6.98	7.91	10.7
7/8/2014	23:00:00	71.9	307	7.03	7.91	10.7
7/8/2014	23:30:00	71.9	307	7.06	7.92	10.6
7/9/2014	0:00:00	71.9	307	7.05	7.92	10.7
7/9/2014	0:30:00	71.9	307	7.09	7.92	10.7
7/9/2014	1:00:00	71.8	307	7.04	7.92	10.7
7/9/2014	1:30:00	71.8	307	7.03	7.92	10.6
7/9/2014	2:00:00	71.8	307	7.06	7.92	10.7
7/9/2014	2:30:00	71.7	307	7	7.92	10.7
7/9/2014	3:00:00	71.7	307	7	7.92	10.7
7/9/2014	3:30:00	71.6	307	6.91	7.91	10.7
7/9/2014	4:00:00	71.6	307	6.9	7.91	10.7
7/9/2014	4:30:00	71.5	307	6.91	7.91	10.7
7/9/2014	5:00:00	71.5	307	6.92	7.9	10.7
7/9/2014	5:30:00	71.5	307	6.83	7.9	10.7
7/9/2014	6:00:00	71.4	307	6.82	7.9	10.7
7/9/2014	6:30:00	71.4	307	6.82	7.9	10.6
7/9/2014	7:00:00	71.4	307	6.8	7.89	10.7
7/9/2014	7:30:00	71.4	307	6.78	7.89	10.6
7/9/2014	8:00:00	71.4	307	6.8	7.89	10.6
7/9/2014	8:30:00	71.4	307	6.83	7.9	10.6
7/9/2014	9:00:00	71.4	307	6.88	7.91	10.7
7/9/2014	9:30:00	71.5	307	6.87	7.91	10.6
7/9/2014	10:00:00	71.6	307	6.96	7.91	10.6
7/9/2014	10:30:00	71.7	307	6.88	7.91	10.6
7/9/2014	11:00:00	71.8	307	6.93	7.92	10.6
7/9/2014	11:30:00	71.9	307	7	7.93	10.6
7/9/2014	12:00:00	72	308	7.02	7.93	10.6
7/9/2014	12:30:00	72.1	308	7.09	7.94	10.6
7/9/2014	13:00:00	71.9	308	6.93	7.92	10.6
7/9/2014	13:30:00	71.9	308	6.97	7.92	10.6
7/9/2014	14:00:00	71.9	308	6.92	7.91	10.6
7/9/2014	14:30:00	72	308	6.96	7.92	10.7
7/9/2014	15:00:00	72.1	308	7.02	7.93	10.6
7/9/2014	15:30:00	72.3	308	7.08	7.94	10.6
7/9/2014	16:00:00	72.2	308	7.04	7.93	10.6
7/9/2014	16:30:00	72.2	309	7.03	7.93	10.6
7/9/2014	17:00:00	72.2	309	7.01	7.93	10.6
7/9/2014	17:30:00	72.1	309	6.94	7.93	10.6
7/9/2014	18:00:00	72.1	309	7.02	7.93	10.6
7/9/2014	18:30:00	72.1	309	7.07	7.94	10.6
7/9/2014	19:00:00	72	309	7.01	7.93	10.6
7/9/2014	19:30:00	71.9	309	6.92	7.92	10.6
7/9/2014	20:00:00	71.9	309	6.89	7.92	10.6
7/9/2014	20:30:00	71.8	309	6.82	7.91	10.6

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/9/2014	21:00:00	71.7	309	6.82	7.9	10.6
7/9/2014	21:30:00	71.6	309	6.78	7.91	10.6
7/9/2014	22:00:00	71.5	309	6.69	7.89	10.6
7/9/2014	22:30:00	71.4	309	6.66	7.89	10.6
7/9/2014	23:00:00	71.4	309	6.71	7.9	10.6
7/9/2014	23:30:00	71.4	309	6.83	7.91	10.6
7/10/2014	0:00:00	71.4	309	6.79	7.9	10.6
7/10/2014	0:30:00	71.3	309	6.82	7.91	10.6
7/10/2014	1:00:00	71.4	309	6.83	7.91	10.6
7/10/2014	1:30:00	71.3	309	6.83	7.91	10.6
7/10/2014	2:00:00	71.3	309	6.75	7.91	10.6
7/10/2014	2:30:00	71.2	309	6.73	7.9	10.6
7/10/2014	3:00:00	71.2	309	6.75	7.9	10.6
7/10/2014	3:30:00	71.2	309	6.73	7.9	10.6
7/10/2014	4:00:00	71.1	309	6.72	7.9	10.6
7/10/2014	4:30:00	71.1	309	6.76	7.9	10.6
7/10/2014	5:00:00	71.1	309	6.65	7.89	10.6
7/10/2014	5:30:00	71	309	6.66	7.89	10.6
7/10/2014	6:00:00	71	309	6.67	7.89	10.6
7/10/2014	6:30:00	71	309	6.73	7.9	10.6
7/10/2014	7:00:00	71	309	6.64	7.89	10.6
7/10/2014	7:30:00	70.9	309	6.6	7.88	10.6
7/10/2014	8:00:00	71	310	6.66	7.89	10.6
7/10/2014	8:30:00	71	310	6.61	7.89	10.6
7/10/2014	9:00:00	70.9	310	6.56	7.88	10.6
7/10/2014	9:30:00	70.9	310	6.52	7.88	10.6
7/10/2014	10:00:00	70.8	310	6.41	7.87	10.6
7/10/2014	10:30:00	70.8	310	6.55	7.88	10.6
7/10/2014	11:00:00	70.9	310	6.61	7.89	10.5
7/10/2014	11:30:00	70.7	310	6.71	7.9	10.6
7/10/2014	12:00:00	70.5	310	6.72	7.9	10.6
7/10/2014	12:30:00	70.5	309	6.82	7.91	10.6
7/10/2014	13:00:00	70.6	309	6.88	7.91	10.5
7/10/2014	13:30:00	70.4	309	6.89	7.91	10.6
7/10/2014	14:00:00	70.5	309	6.93	7.92	10.6
7/10/2014	14:30:00	70.3	309	6.94	7.92	10.6
7/10/2014	15:00:00	70.1	309	6.97	7.91	10.5
7/10/2014	15:30:00	70	309	6.96	7.91	10.6
7/10/2014	16:00:00	69.9	309	6.97	7.91	10.6
7/10/2014	16:30:00	69.9	309	6.96	7.91	10.6
7/10/2014	17:00:00	69.9	309	7.02	7.92	10.5
7/10/2014	17:30:00	70	309	7.04	7.92	10.6
7/10/2014	18:00:00	69.8	309	7.01	7.91	10.5
7/10/2014	18:30:00	69.7	309	7.04	7.92	10.5
7/10/2014	19:00:00	69.8	309	7.05	7.92	10.5
7/10/2014	19:30:00	69.8	309	7.06	7.92	10.5

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/10/2014	20:00:00	69.7	310	7.16	7.93	10.5
7/10/2014	20:30:00	69.9	309	7.2	7.94	10.5
7/10/2014	21:00:00	70	309	7.2	7.94	10.5
7/10/2014	21:30:00	70.2	309	7.25	7.94	10.5
7/10/2014	22:00:00	70.3	309	7.23	7.94	10.5
7/10/2014	22:30:00	70.4	309	7.27	7.95	10.5
7/10/2014	23:00:00	70.5	309	7.27	7.95	10.5
7/10/2014	23:30:00	70.6	309	7.28	7.95	10.5
7/11/2014	0:00:00	70.6	309	7.32	7.96	10.5
7/11/2014	0:30:00	70.6	309	7.31	7.96	10.5
7/11/2014	1:00:00	70.6	309	7.37	7.96	10.5
7/11/2014	1:30:00	70.6	309	7.39	7.97	10.5
7/11/2014	2:00:00	70.6	309	7.37	7.96	10.5
7/11/2014	2:30:00	70.6	309	7.34	7.97	10.5
7/11/2014	3:00:00	70.6	309	7.34	7.97	10.5
7/11/2014	3:30:00	70.5	309	7.3	7.97	10.5
7/11/2014	4:00:00	70.6	309	7.26	7.96	10.5
7/11/2014	4:30:00	70.6	309	7.27	7.96	10.5
7/11/2014	5:00:00	70.5	309	7.19	7.95	10.5
7/11/2014	5:30:00	70.5	309	7.13	7.94	10.5
7/11/2014	6:00:00	70.5	309	7.1	7.93	10.5
7/11/2014	6:30:00	70.5	309	7.1	7.93	10.5
7/11/2014	7:00:00	70.4	309	7.14	7.93	10.5
7/11/2014	7:30:00	70.5	309	7.23	7.94	10.5
7/11/2014	8:00:00	70.4	309	7.28	7.95	10.5
7/11/2014	8:30:00	70.5	309	7.35	7.95	10.5
7/11/2014	9:00:00	70.7	310	7.39	7.97	10.5
7/11/2014	9:30:00	70.7	310	7.45	7.97	10.5
7/11/2014	10:00:00	70.8	309	7.4	7.96	10.5
7/11/2014	10:30:00	70.9	310	7.43	7.97	10.5
7/11/2014	11:00:00	70.9	309	7.5	7.97	10.5
7/11/2014	11:30:00	71	310	7.61	7.99	10.5
7/11/2014	12:00:00	71.1	310	7.61	7.99	10.5
7/11/2014	12:30:00	71.1	309	7.61	7.99	10.4
7/11/2014	13:00:00	71.2	310	7.76	8.01	10.5
7/11/2014	13:30:00	71.2	309	7.78	8.01	10.5
7/11/2014	14:00:00	71.2	310	7.97	8.04	10.5
7/11/2014	14:30:00	71.2	309	7.81	8.02	10.4
7/11/2014	15:00:00	71.4	310	7.99	8.04	10.5
7/11/2014	15:30:00	71.5	309	8.03	8.05	10.4
7/11/2014	16:00:00	71.3	309	7.82	8.02	10.4
7/11/2014	16:30:00	71.5	309	7.9	8.03	10.5
7/11/2014	17:00:00	71.3	309	7.79	8.02	10.5
7/11/2014	17:30:00	71.5	309	7.76	8.02	10.4
7/11/2014	18:00:00	71.6	310	7.84	8.03	10.4
7/11/2014	18:30:00	71.5	310	7.9	8.04	10.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/11/2014	19:00:00	71.7	310	8.13	8.07	10.4
7/11/2014	19:30:00	71.5	310	8	8.05	10.4
7/11/2014	20:00:00	71.5	310	7.86	8.04	10.4
7/11/2014	20:30:00	71.5	310	7.93	8.04	10.4
7/11/2014	21:00:00	71.4	310	7.9	8.04	10.4
7/11/2014	21:30:00	71.5	310	8.02	8.05	10.5
7/11/2014	22:00:00	71.5	310	7.99	8.05	10.4
7/11/2014	22:30:00	71.4	310	7.89	8.03	10.4
7/11/2014	23:00:00	71.4	310	7.79	8.02	10.4
7/11/2014	23:30:00	71.3	310	7.77	8.02	10.4
7/12/2014	0:00:00	71.3	310	7.74	8.02	10.4
7/12/2014	0:30:00	71.3	310	7.78	8.02	10.4
7/12/2014	1:00:00	71.3	310	7.78	8.02	10.4
7/12/2014	1:30:00	71.3	310	7.81	8.02	10.4
7/12/2014	2:00:00	71.3	310	7.85	8.03	10.4
7/12/2014	2:30:00	71.4	310	7.86	8.04	10.4
7/12/2014	3:00:00	71.4	310	7.96	8.04	10.4
7/12/2014	3:30:00	71.3	310	7.88	8.04	10.4
7/12/2014	4:00:00	71.3	310	7.8	8.04	10.4
7/12/2014	4:30:00	71.2	310	7.79	8.03	10.4
7/12/2014	5:00:00	71.2	310	7.72	8.02	10.4
7/12/2014	5:30:00	71.1	310	7.64	8.01	10.4
7/12/2014	6:00:00	71.1	310	7.63	8	10.4
7/12/2014	6:30:00	71.1	310	7.53	8	10.4
7/12/2014	7:00:00	71	310	7.47	7.99	10.4
7/12/2014	7:30:00	71	310	7.45	7.98	10.4
7/12/2014	8:00:00	71.1	310	7.61	8.01	10.4
7/12/2014	8:30:00	71.1	310	7.64	8.02	10.4
7/12/2014	9:00:00	71.1	311	7.63	8.01	10.4
7/12/2014	9:30:00	71.1	311	7.62	8.01	10.4
7/12/2014	10:00:00	71.1	311	7.63	8.02	10.4
7/12/2014	10:30:00	71.2	311	7.67	8.02	10.4
7/12/2014	11:00:00	71.2	311	7.68	8.03	10.4
7/12/2014	11:30:00	71.2	311	7.76	8.04	10.4
7/12/2014	12:00:00	71.2	311	7.8	8.04	10.4
7/12/2014	12:30:00	71.2	311	7.8	8.03	10.4
7/12/2014	13:00:00	71.2	311	7.84	8.04	10.4
7/12/2014	13:30:00	71.2	311	7.82	8.04	10.4
7/12/2014	14:00:00	71.2	311	7.88	8.05	10.4
7/12/2014	14:30:00	71	311	7.76	8.03	10.4
7/12/2014	15:00:00	71	311	7.63	8.01	10.4
7/12/2014	15:30:00	71.1	311	7.79	8.03	10.4
7/12/2014	16:00:00	71.2	311	7.84	8.03	10.4
7/12/2014	16:30:00	71.2	311	7.88	8.04	10.4
7/12/2014	17:00:00	71.4	311	8.01	8.07	10.4
7/12/2014	17:30:00	71.4	311	8	8.06	10.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/12/2014	18:00:00	71.8	311	8.19	8.09	10.4
7/12/2014	18:30:00	72	311	8.34	8.12	10.4
7/12/2014	19:00:00	72.3	310	8.55	8.15	10.4
7/12/2014	19:30:00	72.7	310	8.96	8.21	10.4
7/12/2014	20:00:00	72.8	310	9.01	8.24	10.4
7/12/2014	20:30:00	72.7	310	9.05	8.23	10.4
7/12/2014	21:00:00	72.5	310	8.75	8.19	10.4
7/12/2014	21:30:00	72.2	310	8.44	8.15	10.4
7/12/2014	22:00:00	71.7	311	8.06	8.08	10.4
7/12/2014	22:30:00	71.6	311	7.96	8.07	10.4
7/12/2014	23:00:00	71.5	311	7.91	8.06	10.4
7/12/2014	23:30:00	71.5	311	7.96	8.07	10.4
7/13/2014	0:00:00	71.5	310	7.9	8.06	10.4
7/13/2014	0:30:00	71.5	311	7.86	8.05	10.4
7/13/2014	1:00:00	71.4	311	7.77	8.04	10.4
7/13/2014	1:30:00	71.4	310	7.82	8.04	10.4
7/13/2014	2:00:00	71.3	310	7.8	8.04	10.4
7/13/2014	2:30:00	71.3	311	7.82	8.04	10.4
7/13/2014	3:00:00	71.3	310	7.75	8.04	10.4
7/13/2014	3:30:00	71.3	310	7.77	8.04	10.4
7/13/2014	4:00:00	71.2	311	7.68	8.03	10.4
7/13/2014	4:30:00	71.1	311	7.63	8.02	10.4
7/13/2014	5:00:00	71	311	7.59	8.01	10.4
7/13/2014	5:30:00	71	311	7.55	8.01	10.4
7/13/2014	6:00:00	71	311	7.53	8.01	10.4
7/13/2014	6:30:00	71	311	7.62	8.03	10.4
7/13/2014	7:00:00	71	310	7.77	8.05	10.4
7/13/2014	7:30:00	71.1	310	7.75	8.06	10.4
7/13/2014	8:00:00	71.1	310	7.88	8.08	10.4
7/13/2014	8:30:00	71.2	310	8.05	8.1	10.4
7/13/2014	9:00:00	71.3	310	8.17	8.12	10.4
7/13/2014	9:30:00	71.4	310	8.19	8.12	10.4
7/13/2014	10:00:00	71.6	309	8.26	8.14	10.4
7/13/2014	10:30:00	71.6	310	8.27	8.13	10.4
7/13/2014	11:00:00	71.8	310	8.31	8.14	10.4
7/13/2014	11:30:00	72	310	8.4	8.15	10.4
7/13/2014	12:00:00	72.2	310	8.42	8.16	10.4
7/13/2014	12:30:00	72.4	310	8.49	8.17	10.4
7/13/2014	13:00:00	72.5	310	8.52	8.17	10.4
7/13/2014	13:30:00	72.6	311	8.55	8.16	10.4
7/13/2014	14:00:00	72.7	311	8.53	8.16	10.4
7/13/2014	14:30:00	72.8	311	8.54	8.16	10.4
7/13/2014	15:00:00	72.8	311	8.45	8.16	10.4
7/13/2014	15:30:00	72.9	311	8.55	8.16	10.4
7/13/2014	16:00:00	72.9	311	8.41	8.15	10.4
7/13/2014	16:30:00	72.9	311	8.42	8.14	10.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/13/2014	17:00:00	72.9	311	8.36	8.14	10.4
7/13/2014	17:30:00	72.9	311	8.44	8.15	10.4
7/13/2014	18:00:00	72.7	311	8.3	8.12	10.4
7/13/2014	18:30:00	72.6	311	8.29	8.12	10.4
7/13/2014	19:00:00	72.4	311	8.11	8.1	10.4
7/13/2014	19:30:00	72.4	311	8.13	8.1	10.4
7/13/2014	20:00:00	72.3	311	8.22	8.11	10.4
7/13/2014	20:30:00	72.2	311	8.06	8.09	10.4
7/13/2014	21:00:00	72	312	8.01	8.08	10.4
7/13/2014	21:30:00	71.9	312	7.9	8.06	10.4
7/13/2014	22:00:00	71.8	312	7.85	8.05	10.4
7/13/2014	22:30:00	71.7	312	7.65	8.03	10.4
7/13/2014	23:00:00	71.7	312	7.61	8.02	10.4
7/13/2014	23:30:00	71.6	312	7.58	8.01	10.4
7/14/2014	0:00:00	71.6	312	7.59	8.01	10.4
7/14/2014	0:30:00	71.6	312	7.71	8.02	10.4
7/14/2014	1:00:00	71.6	312	7.74	8.03	10.4
7/14/2014	1:30:00	71.6	312	7.59	8.01	10.4
7/14/2014	2:00:00	71.5	312	7.55	8.01	10.3
7/14/2014	2:30:00	71.5	312	7.45	7.99	10.4
7/14/2014	3:00:00	71.4	312	7.4	7.99	10.4
7/14/2014	3:30:00	71.4	312	7.43	8	10.4
7/14/2014	4:00:00	71.4	312	7.42	7.99	10.3
7/14/2014	4:30:00	71.3	312	7.3	7.99	10.4
7/14/2014	5:00:00	71.3	312	7.38	7.99	10.4
7/14/2014	5:30:00	71.2	312	7.37	7.98	10.3
7/14/2014	6:00:00	71.2	313	7.37	7.98	10.3
7/14/2014	6:30:00	71.2	312	7.35	7.98	10.3
7/14/2014	7:00:00	71.2	312	7.35	7.98	10.3
7/14/2014	7:30:00	71.2	313	7.41	7.99	10.3
7/14/2014	8:00:00	71.1	313	7.39	7.99	10.3
7/14/2014	8:30:00	71.1	312	7.45	8	10.3
7/14/2014	9:00:00	71.2	312	7.53	7.99	10.4
7/14/2014	9:30:00	71.2	312	7.51	7.99	10.3
7/14/2014	10:00:00	71.2	312	7.5	7.98	10.3
7/14/2014	10:30:00	71.3	312	7.51	7.98	10.3
7/14/2014	11:00:00	71.4	312	7.53	7.98	10.3
7/14/2014	11:30:00	71.5	312	7.47	7.98	10.3
7/14/2014	12:00:00	71.6	312	7.53	7.99	10.3
7/14/2014	12:30:00	71.6	313	7.5	7.99	10.3
7/14/2014	13:00:00	71.6	313	7.5	8	10.3
7/14/2014	13:30:00	71.7	313	7.6	8.03	10.3
7/14/2014	14:00:00	71.8	313	7.7	8.04	10.3
7/14/2014	14:30:00	72	313	7.9	8.06	10.3
7/14/2014	15:00:00	72.1	313	8.09	8.1	10.3
7/14/2014	15:30:00	72.3	310	8.34	8.14	10.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/14/2014	16:00:00	72.3	308	8.16	8.11	10.3
7/14/2014	16:30:00	72.1	311	8.14	8.1	10.3
7/14/2014	17:00:00	72.1	313	8.19	8.11	10.3
7/14/2014	17:30:00	72.2	313	8.35	8.13	10.3
7/14/2014	18:00:00	72.2	314	8.26	8.13	10.3
7/14/2014	18:30:00	72.2	314	8.25	8.12	10.3
7/14/2014	19:00:00	72.3	314	8.15	8.11	10.3
7/14/2014	19:30:00	72.3	314	8.13	8.1	10.3
7/14/2014	20:00:00	72.2	315	8.15	8.1	10.3
7/14/2014	20:30:00	72.1	314	8.11	8.09	10.3
7/14/2014	21:00:00	72	314	8.05	8.08	10.3
7/14/2014	21:30:00	72	314	8	8.08	10.3
7/14/2014	22:00:00	71.9	314	8.01	8.07	10.3
7/14/2014	22:30:00	71.9	314	7.9	8.07	10.3
7/14/2014	23:00:00	71.8	314	7.85	8.06	10.3
7/14/2014	23:30:00	71.8	315	7.7	8.05	10.3
7/15/2014	0:00:00	71.7	315	7.65	8.04	10.3
7/15/2014	0:30:00	71.6	314	7.69	8.03	10.3
7/15/2014	1:00:00	71.5	315	7.57	8.02	10.3
7/15/2014	1:30:00	71.4	315	7.55	8.03	10.3
7/15/2014	2:00:00	71.4	315	7.57	8.03	10.3
7/15/2014	2:30:00	71.3	315	7.62	8.04	10.3
7/15/2014	3:00:00	71.3	315	7.61	8.04	10.3
7/15/2014	3:30:00	71.2	315	7.62	8.04	10.3
7/15/2014	4:00:00	71.2	315	7.6	8.04	10.3
7/15/2014	4:30:00	71.1	315	7.59	8.04	10.3
7/15/2014	5:00:00	71.1	314	7.59	8.04	10.3
7/15/2014	5:30:00	71	314	7.61	8.05	10.3
7/15/2014	6:00:00	70.9	314	7.62	8.05	10.3
7/15/2014	6:30:00	70.8	314	7.73	8.06	10.3
7/15/2014	7:00:00	70.8	314	7.63	8.05	10.3
7/15/2014	7:30:00	70.7	314	7.5	8.04	10.3
7/15/2014	8:00:00	70.7	314	7.62	8.05	10.3
7/15/2014	8:30:00	70.6	314	7.61	8.05	10.3
7/15/2014	9:00:00	70.6	314	7.54	8.03	10.2
7/15/2014	9:30:00	70.6	310	7.43	8.02	10.3
7/15/2014	10:00:00	70.6	315	7.48	8.02	10.3
7/15/2014	10:30:00	70.6	314	7.58	8.03	10.3
7/15/2014	11:00:00	70.6	315	7.63	8.03	10.3
7/15/2014	11:30:00	70.7	315	7.66	8.04	10.3
Average		71.40	302.70	7.53	7.95	10.67
High		74.8	315	9.29	9.9	11.10
Low		69.5	0.00	6.41	0	10.20

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Hydrolab MS5 60751

Log File Name : JULY 15-31-14 OFUP

Setup Date (M/D/YYYY) : 7/15/2014

Setup Time (HH:MM:SS) : 12:08:11

Starting Date (M/D/YYYY) : 7/15/2014

Starting Time (HH:MM:SS) : 12:30:00

Stopping Date (M/D/YYYY) : 7/31/2014

Stopping Time (HH:MM:SS) : 23:30:00

Interval (HH:MM:SS) : 00:30:00

Sensor warmup (HH:MM:SS) : 00:00:30

Circltr warmup (HH:MM:SS) : 00:00:00

Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond µS/cm	LDO mg/l	pH Units	IBatt Volts
7/15/2014	12:30:00	70.8	315	7.44	8.01	10.1
7/15/2014	13:00:00	70.8	315	7.39	8.02	10.1
7/15/2014	13:30:00	70.8	315	7.45	8.03	10.2
7/15/2014	14:00:00	70.9	316	7.41	8.03	10.2
7/15/2014	14:30:00	70.9	315	7.39	8.03	10.2
7/15/2014	15:00:00	70.9	316	7.32	8.03	10.2
7/15/2014	15:30:00	70.9	316	7.5	8.06	10.3
7/15/2014	16:00:00	70.9	316	7.52	8.06	10.2
7/15/2014	16:30:00	71	316	7.57	8.06	10.3
7/15/2014	17:00:00	70.9	317	7.5	8.06	10.2
7/15/2014	17:30:00	70.8	317	7.43	8.05	10.3
7/15/2014	18:00:00	70.7	317	7.49	8.06	10.3
7/15/2014	18:30:00	70.6	317	7.56	8.06	10.3
7/15/2014	19:00:00	70.4	318	7.44	8.05	10.3
7/15/2014	19:30:00	70.3	318	7.49	8.05	10.3
7/15/2014	20:00:00	70.2	318	7.43	8.04	10.3
7/15/2014	20:30:00	70	318	7.48	8.04	10.3
7/15/2014	21:00:00	69.9	319	7.47	8.04	10.3
7/15/2014	21:30:00	69.9	318	7.46	8.05	10.3
7/15/2014	22:00:00	69.9	318	7.49	8.05	10.3
7/15/2014	22:30:00	69.8	319	7.48	8.05	10.3
7/15/2014	23:00:00	69.8	319	7.54	8.05	10.3
7/15/2014	23:30:00	69.7	319	7.54	8.05	10.3
7/16/2014	0:00:00	69.7	319	7.53	8.05	10.3
7/16/2014	0:30:00	69.6	318	7.54	8.05	10.3
7/16/2014	1:00:00	69.6	318	7.48	8.05	10.3
7/16/2014	1:30:00	69.6	318	7.51	8.05	10.3
7/16/2014	2:00:00	69.5	318	7.53	8.05	10.3
7/16/2014	2:30:00	69.5	318	7.49	8.05	10.3
7/16/2014	3:00:00	69.4	318	7.52	8.04	10.3
7/16/2014	3:30:00	69.4	318	7.46	8.05	10.3
7/16/2014	4:00:00	69.3	318	7.42	8.04	10.3
7/16/2014	4:30:00	69.3	318	7.36	8.03	10.3
7/16/2014	5:00:00	69.2	318	7.36	8.03	10.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/16/2014	5:30:00	69.2	318	7.31	8.03	10.3
7/16/2014	6:00:00	69.1	318	7.28	8.02	10.3
7/16/2014	6:30:00	69.1	318	7.38	8.03	10.3
7/16/2014	7:00:00	69	318	7.36	8.03	10.3
7/16/2014	7:30:00	69	318	7.28	8.02	10.3
7/16/2014	8:00:00	69	318	7.28	8.02	10.3
7/16/2014	8:30:00	69	318	7.23	8.02	10.3
7/16/2014	9:00:00	69	318	7.22	8.02	10.3
7/16/2014	9:30:00	69	318	7.25	8.02	10.2
7/16/2014	10:00:00	69	318	7.27	8.02	10.3
7/16/2014	10:30:00	69.1	318	7.3	8.03	10.3
7/16/2014	11:00:00	69.2	318	7.47	8.05	10.2
7/16/2014	11:30:00	69.2	319	7.53	8.06	10.3
7/16/2014	12:00:00	69.2	319	7.49	8.05	10.3
7/16/2014	12:30:00	69.1	319	7.4	8.05	10.2
7/16/2014	13:00:00	69	320	7.46	8.06	10.3
7/16/2014	13:30:00	68.8	320	7.47	8.06	10.3
7/16/2014	14:00:00	68.7	320	7.55	8.07	10.3
7/16/2014	14:30:00	68.6	320	7.61	8.07	10.2
7/16/2014	15:00:00	68.5	320	7.54	8.07	10.2
7/16/2014	15:30:00	68.6	319	7.65	8.08	10.2
7/16/2014	16:00:00	68.5	319	7.83	8.1	10.2
7/16/2014	16:30:00	68.5	320	7.96	8.12	10.2
7/16/2014	17:00:00	68.4	319	7.9	8.11	10.2
7/16/2014	17:30:00	68.4	319	7.72	8.11	10.2
7/16/2014	18:00:00	68.5	320	7.74	8.1	10.2
7/16/2014	18:30:00	69	319	8.28	8.16	10.2
7/16/2014	19:00:00	68.9	319	8.25	8.16	10.2
7/16/2014	19:30:00	68.9	319	8.23	8.16	10.2
7/16/2014	20:00:00	68.7	319	8.14	8.15	10.3
7/16/2014	20:30:00	68.7	319	8.14	8.15	10.2
7/16/2014	21:00:00	68.7	319	8.14	8.15	10.2
7/16/2014	21:30:00	68.6	319	8.1	8.14	10.2
7/16/2014	22:00:00	68.5	319	8.15	8.15	10.3
7/16/2014	22:30:00	68.5	319	8.09	8.14	10.2
7/16/2014	23:00:00	68.5	319	8.12	8.14	10.2
7/16/2014	23:30:00	68.5	319	8.15	8.15	10.2
7/17/2014	0:00:00	68.5	319	8.21	8.16	10.2
7/17/2014	0:30:00	68.5	319	8.2	8.16	10.2
7/17/2014	1:00:00	68.4	319	8.29	8.17	10.2
7/17/2014	1:30:00	68.4	318	8.28	8.17	10.2
7/17/2014	2:00:00	68.4	319	8.27	8.17	10.2
7/17/2014	2:30:00	68.4	318	8.29	8.17	10.2
7/17/2014	3:00:00	68.2	319	8.19	8.16	10.2
7/17/2014	3:30:00	68.2	319	8.15	8.15	10.2
7/17/2014	4:00:00	68.1	318	8.11	8.15	10.2

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/17/2014	4:30:00	68	319	8.07	8.15	10.2
7/17/2014	5:00:00	68	318	8.07	8.15	10.2
7/17/2014	5:30:00	67.9	318	8.08	8.15	10.2
7/17/2014	6:00:00	67.8	318	8.04	8.14	10.2
7/17/2014	6:30:00	67.7	318	8.02	8.14	10.2
7/17/2014	7:00:00	67.7	318	8.04	8.14	10.2
7/17/2014	7:30:00	67.6	318	8	8.14	10.2
7/17/2014	8:00:00	67.6	318	8.06	8.14	10.2
7/17/2014	8:30:00	67.7	318	8.02	8.14	10.2
7/17/2014	9:00:00	67.7	318	8.02	8.14	10.2
7/17/2014	9:30:00	67.8	318	7.94	8.12	10.2
7/17/2014	10:00:00	67.9	318	7.91	8.11	10.2
7/17/2014	10:30:00	68	319	7.84	8.11	10.2
7/17/2014	11:00:00	68	319	7.78	8.11	10.2
7/17/2014	11:30:00	68.1	319	7.85	8.12	10.2
7/17/2014	12:00:00	68.2	319	7.77	8.11	10.2
7/17/2014	12:30:00	68.3	319	7.74	8.09	10.2
7/17/2014	13:00:00	68.2	319	7.61	8.07	10.2
7/17/2014	13:30:00	68.4	319	7.55	8.06	10.2
7/17/2014	14:00:00	68.4	320	7.49	8.05	10.2
7/17/2014	14:30:00	68.4	319	7.45	8.05	10.2
7/17/2014	15:00:00	68.7	319	7.65	8.07	10.2
7/17/2014	15:30:00	68.8	319	7.9	8.11	10.2
7/17/2014	16:00:00	68.8	319	7.94	8.11	10.2
7/17/2014	16:30:00	68.7	319	8.01	8.12	10.2
7/17/2014	17:00:00	68.9	318	8.22	8.15	10.2
7/17/2014	17:30:00	68.9	318	8.22	8.15	10.2
7/17/2014	18:00:00	70	319	8.75	8.24	10.2
7/17/2014	18:30:00	69.9	318	8.85	8.25	10.2
7/17/2014	19:00:00	69.5	318	8.78	8.24	10.2
7/17/2014	19:30:00	69.4	318	8.77	8.23	10.2
7/17/2014	20:00:00	69.1	318	8.65	8.22	10.2
7/17/2014	20:30:00	68.9	318	8.62	8.21	10.2
7/17/2014	21:00:00	68.8	318	8.54	8.2	10.2
7/17/2014	21:30:00	68.6	318	8.44	8.18	10.2
7/17/2014	22:00:00	68.6	318	8.43	8.18	10.1
7/17/2014	22:30:00	68.6	318	8.41	8.18	10.2
7/17/2014	23:00:00	68.6	318	8.43	8.18	10.1
7/17/2014	23:30:00	68.6	317	8.44	8.19	10.1
7/18/2014	0:00:00	68.4	317	8.35	8.18	10.2
7/18/2014	0:30:00	68.3	317	8.34	8.17	10.1
7/18/2014	1:00:00	68.4	318	8.32	8.17	10.2
7/18/2014	1:30:00	68.4	317	8.32	8.17	10.1
7/18/2014	2:00:00	68.3	318	8.33	8.17	10.1
7/18/2014	2:30:00	68.2	318	8.29	8.17	10.1
7/18/2014	3:00:00	68.2	317	8.33	8.17	10.1

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/18/2014	3:30:00	68.3	317	8.34	8.18	10.1
7/18/2014	4:00:00	68.2	317	8.32	8.17	10.1
7/18/2014	4:30:00	68.2	317	8.3	8.16	10.1
7/18/2014	5:00:00	68.1	317	8.27	8.16	10.1
7/18/2014	5:30:00	68	317	8.28	8.16	10.1
7/18/2014	6:00:00	67.9	317	8.25	8.15	10.1
7/18/2014	6:30:00	67.9	317	8.22	8.15	10.1
7/18/2014	7:00:00	67.9	282	7.98	8.11	10.1
7/18/2014	7:30:00	67.8	317	8	8.11	10.1
7/18/2014	8:00:00	67.8	316	8.05	8.11	10.1
7/18/2014	8:30:00	67.8	316	8	8.11	10.1
7/18/2014	9:00:00	67.7	316	7.86	8.1	10.1
7/18/2014	9:30:00	67.7	316	7.79	8.11	10.1
7/18/2014	10:00:00	67.8	316	7.93	8.12	10.1
7/18/2014	10:30:00	67.7	316	8	8.12	10.1
7/18/2014	11:00:00	67.9	316	8.03	8.12	10.1
7/18/2014	11:30:00	67.9	317	8.02	8.12	10.1
7/18/2014	12:00:00	67.8	316	8.07	8.12	10.1
7/18/2014	12:30:00	67.9	316	8.09	8.13	10.1
7/18/2014	13:00:00	67.8	316	8.04	8.12	10.1
7/18/2014	13:30:00	67.7	316	8.06	8.11	10.1
7/18/2014	14:00:00	67.7	316	7.99	8.1	10.1
7/18/2014	14:30:00	67.6	316	7.88	8.09	10.1
7/18/2014	15:00:00	67.5	316	7.9	8.09	10.1
7/18/2014	15:30:00	67.5	316	7.87	8.08	10.1
7/18/2014	16:00:00	67.3	316	7.75	8.06	10.1
7/18/2014	16:30:00	67.2	316	7.67	8.05	10.1
7/18/2014	17:00:00	67.1	316	7.68	8.05	10.1
7/18/2014	17:30:00	67.1	316	7.78	8.07	10.1
7/18/2014	18:00:00	67.2	316	7.81	8.08	10.1
7/18/2014	18:30:00	67.3	316	7.94	8.09	10.1
7/18/2014	19:00:00	67.4	316	7.99	8.1	10.1
7/18/2014	19:30:00	67.3	310	8	8.09	10.1
7/18/2014	20:00:00	67.6	316	8.14	8.13	10.1
7/18/2014	20:30:00	67.8	316	8.21	8.14	10.1
7/18/2014	21:00:00	68.3	316	8.48	8.18	10.1
7/18/2014	21:30:00	68.4	316	8.57	8.19	10.1
7/18/2014	22:00:00	68.7	316	8.65	8.21	10.1
7/18/2014	22:30:00	69	316	8.79	8.24	10.1
7/18/2014	23:00:00	69.1	316	8.78	8.24	10.1
7/18/2014	23:30:00	69.2	316	8.82	8.25	10.1
7/19/2014	0:00:00	69.3	316	8.82	8.25	10.1
7/19/2014	0:30:00	69.2	316	8.77	8.24	10.1
7/19/2014	1:00:00	69.2	316	8.72	8.23	10.1
7/19/2014	1:30:00	69.2	316	8.7	8.23	10.1
7/19/2014	2:00:00	69.2	316	8.66	8.22	10.1

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/19/2014	2:30:00	69.2	316	8.65	8.22	10.1
7/19/2014	3:00:00	69.2	316	8.63	8.22	10.1
7/19/2014	3:30:00	69.3	316	8.69	8.23	10.1
7/19/2014	4:00:00	69.3	316	8.65	8.23	10.1
7/19/2014	4:30:00	69.2	316	8.6	8.22	10.1
7/19/2014	5:00:00	69.2	316	8.57	8.22	10.1
7/19/2014	5:30:00	69.2	316	8.56	8.22	10.1
7/19/2014	6:00:00	69.2	316	8.36	8.18	10.1
7/19/2014	6:30:00	68.9	279	8.17	8.15	10.1
7/19/2014	7:00:00	68.9	316	8.18	8.15	10.1
7/19/2014	7:30:00	68.9	316	8.11	8.15	10.1
7/19/2014	8:00:00	68.8	316	7.98	8.14	10.1
7/19/2014	8:30:00	68.9	316	7.94	8.13	10.1
7/19/2014	9:00:00	68.9	316	7.97	8.12	10.1
7/19/2014	9:30:00	68.9	316	8.04	8.12	10.1
7/19/2014	10:00:00	68.9	316	7.93	8.12	10.1
7/19/2014	10:30:00	69	317	7.96	8.11	10.1
7/19/2014	11:00:00	69.1	317	7.9	8.1	10.1
7/19/2014	11:30:00	69.3	317	7.97	8.11	10.1
7/19/2014	12:00:00	69.4	278	7.99	8.12	10.1
7/19/2014	12:30:00	69.5	316	8	8.12	10.1
7/19/2014	13:00:00	69.5	296	8.06	8.13	10.1
7/19/2014	13:30:00	69.5	317	8.05	8.12	10.1
7/19/2014	14:00:00	69.8	316	8.23	8.15	10.1
7/19/2014	14:30:00	69.9	317	8.24	8.16	10.1
7/19/2014	15:00:00	70.1	317	8.41	8.19	10.1
7/19/2014	15:30:00	69.7	317	7.51	8.06	10.1
7/19/2014	16:00:00	70.7	293	9.03	8.28	10.1
7/19/2014	16:30:00	70.7	281	9.04	8.28	10.1
7/19/2014	17:00:00	70.5	317	8.91	8.26	10.1
7/19/2014	17:30:00	70.6	307	8.82	8.25	10.1
7/19/2014	18:00:00	70.8	289	8.94	8.27	10.1
7/19/2014	18:30:00	70.6	317	8.89	8.26	10.1
7/19/2014	19:00:00	70.8	300	8.98	8.28	10.1
7/19/2014	19:30:00	70.5	275	8.79	8.24	10.1
7/19/2014	20:00:00	70.4	308	8.7	8.23	10.1
7/19/2014	20:30:00	70.4	276	8.64	8.22	10.1
7/19/2014	21:00:00	70.3	272	8.59	8.21	10.1
7/19/2014	21:30:00	70.3	317	8.57	8.21	10.1
7/19/2014	22:00:00	70.5	317	8.65	8.22	10.1
7/19/2014	22:30:00	70.6	317	8.63	8.23	10.1
7/19/2014	23:00:00	70.5	318	8.57	8.21	10.1
7/19/2014	23:30:00	70.4	318	8.49	8.2	10.1
7/20/2014	0:00:00	70.4	317	8.45	8.2	10.1
7/20/2014	0:30:00	70.3	317	8.44	8.2	10.1
7/20/2014	1:00:00	70.5	294	8.55	8.21	10.1

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7/20/2014	1:30:00	70.5	316	8.52	8.21	10.1
7/20/2014	2:00:00	70.5	300	8.55	8.21	10.1
7/20/2014	2:30:00	70.5	285	8.53	8.21	10.1
7/20/2014	3:00:00	70.5	309	8.52	8.21	10.1
7/20/2014	3:30:00	70.5	293	8.45	8.2	10.1
7/20/2014	4:00:00	70.4	281	8.45	8.2	10.1
7/20/2014	4:30:00	70.4	318	8.4	8.2	10.1
7/20/2014	5:00:00	70.4	264	8.43	8.2	10.1
7/20/2014	5:30:00	70.3	318	8.37	8.19	10.1
7/20/2014	6:00:00	70.3	318	8.33	8.19	10.1
7/20/2014	6:30:00	70.4	318	8.13	8.15	10.1
7/20/2014	7:00:00	70.4	314	8.07	8.15	10.1
7/20/2014	7:30:00	70.3	315	8.01	8.13	10.1
7/20/2014	8:00:00	70.3	269	7.94	8.12	10.1
7/20/2014	8:30:00	70.3	319	7.9	8.11	10.1
7/20/2014	9:00:00	70.3	318	7.65	8.1	10.1
7/20/2014	9:30:00	70.3	319	7.64	8.09	10.1
7/20/2014	10:00:00	70.3	276	7.64	8.09	10.1
7/20/2014	10:30:00	70.3	318	7.65	8.09	10.1
7/20/2014	11:00:00	70.3	316	7.57	8.07	10.1
7/20/2014	11:30:00	70.3	318	7.61	8.07	10.1
7/20/2014	12:00:00	70.4	318	7.66	8.08	10.1
7/20/2014	12:30:00	70.5	300	7.78	8.09	10.1
7/20/2014	13:00:00	70.6	315	7.76	8.1	10.1
7/20/2014	13:30:00	70.6	316	7.68	8.08	10.1
7/20/2014	14:00:00	70.6	314	7.68	8.08	10.1
7/20/2014	14:30:00	70.7	275	7.74	8.08	10.1
7/20/2014	15:00:00	70.8	274	7.76	8.09	10.1
7/20/2014	15:30:00	70.8	274	7.78	8.09	10.1
7/20/2014	16:00:00	70.9	295	7.76	8.1	10.1
7/20/2014	16:30:00	70.8	267	7.79	8.09	10.1
7/20/2014	17:00:00	70.9	270	7.82	8.1	10.1
7/20/2014	17:30:00	71	272	8.07	8.14	10.1
7/20/2014	18:00:00	71.1	272	8.18	8.16	10.1
7/20/2014	18:30:00	71.2	272	8.17	8.16	10.1
7/20/2014	19:00:00	71.5	271	8.34	8.19	10.1
7/20/2014	19:30:00	71.5	319	8.39	8.2	10.1
7/20/2014	20:00:00	71.6	274	8.46	8.21	10.1
7/20/2014	20:30:00	71.7	271	8.49	8.21	10.1
7/20/2014	21:00:00	71.7	269	8.47	8.21	10.1
7/20/2014	21:30:00	71.6	283	8.46	8.21	10.1
7/20/2014	22:00:00	71.6	277	8.42	8.2	10.1
7/20/2014	22:30:00	71.6	283	8.4	8.2	10.1
7/20/2014	23:00:00	71.6	274	8.4	8.2	10.1
7/20/2014	23:30:00	71.6	319	8.41	8.2	10.1
7/21/2014	0:00:00	71.6	285	8.45	8.21	10.1

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7/21/2014	0:30:00	71.6	276	8.48	8.21	10
7/21/2014	1:00:00	71.6	275	8.43	8.2	10.1
7/21/2014	1:30:00	71.5	273	8.31	8.19	10
7/21/2014	2:00:00	71.5	308	8.28	8.18	10.1
7/21/2014	2:30:00	71.3	294	8.21	8.17	10
7/21/2014	3:00:00	71.3	276	8.18	8.17	10
7/21/2014	3:30:00	71.4	277	8.24	8.19	10
7/21/2014	4:00:00	71.5	300	8.2	8.18	10
7/21/2014	4:30:00	71.4	272	8.19	8.17	10
7/21/2014	5:00:00	71.4	267	8.15	8.17	10
7/21/2014	5:30:00	71.4	266	8.14	8.16	10
7/21/2014	6:00:00	71.4	270	8.08	8.16	10
7/21/2014	6:30:00	71.3	271	8.1	8.16	10
7/21/2014	7:00:00	71.3	272	8.04	8.15	10
7/21/2014	7:30:00	71.3	272	7.97	8.14	10
7/21/2014	8:00:00	71.3	273	7.94	8.14	10
7/21/2014	8:30:00	71.4	288	7.88	8.13	10
7/21/2014	9:00:00	71.4	276	7.89	8.14	10
7/21/2014	9:30:00	71.4	273	7.87	8.13	10
7/21/2014	10:00:00	71.6	273	7.85	8.13	10
7/21/2014	10:30:00	71.8	265	7.95	8.15	10
7/21/2014	11:00:00	71.9	265	7.94	8.15	10
7/21/2014	11:30:00	72.1	266	8.13	8.17	10
7/21/2014	12:00:00	72.3	266	8.24	8.19	10
7/21/2014	12:30:00	72.6	266	8.3	8.21	10
7/21/2014	13:00:00	72.9	320	8.45	8.23	10
7/21/2014	13:30:00	73.1	320	8.54	8.24	10
7/21/2014	14:00:00	73.1	320	8.23	8.19	10
7/21/2014	14:30:00	73	268	8.24	8.19	10
7/21/2014	15:00:00	73.1	272	8.27	8.2	10
7/21/2014	15:30:00	73.1	277	8.3	8.19	10
7/21/2014	16:00:00	73.1	318	8.16	8.18	10
7/21/2014	16:30:00	72.9	318	8.02	8.16	10
7/21/2014	17:00:00	73	314	8.03	8.17	10
7/21/2014	17:30:00	73.2	309	8.14	8.18	10.1
7/21/2014	18:00:00	73.1	303	8.22	8.18	10
7/21/2014	18:30:00	73.1	320	8.3	8.19	10
7/21/2014	19:00:00	72.8	321	8.08	8.17	10
7/21/2014	19:30:00	72.7	320	8	8.13	10
7/21/2014	20:00:00	72.7	320	7.95	8.15	10
7/21/2014	20:30:00	72.8	321	7.87	8.14	10
7/21/2014	21:00:00	72.8	282	7.96	8.14	10
7/21/2014	21:30:00	72.8	321	7.97	8.14	10
7/21/2014	22:00:00	72.6	322	7.78	8.11	10
7/21/2014	22:30:00	72.6	322	7.68	8.1	10
7/21/2014	23:00:00	72.7	322	7.74	8.11	10

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7/21/2014	23:30:00	73.3	321	8.31	8.2	10
7/22/2014	0:00:00	73.4	321	8.41	8.22	10
7/22/2014	0:30:00	73.5	321	8.43	8.22	10
7/22/2014	1:00:00	73.5	321	8.4	8.22	10
7/22/2014	1:30:00	73.5	321	8.4	8.23	10
7/22/2014	2:00:00	73.3	321	8.33	8.21	10
7/22/2014	2:30:00	73.2	321	8.21	8.19	10
7/22/2014	3:00:00	73.2	321	8.14	8.18	10
7/22/2014	3:30:00	73.2	321	8.07	8.18	10
7/22/2014	4:00:00	73.1	321	8.11	8.18	10
7/22/2014	4:30:00	73.1	321	8.02	8.17	10
7/22/2014	5:00:00	73.1	287	8	8.16	10
7/22/2014	5:30:00	73.1	322	7.97	8.16	10
7/22/2014	6:00:00	73	297	7.91	8.15	10
7/22/2014	6:30:00	73	322	7.89	8.15	10
7/22/2014	7:00:00	73.1	322	7.89	8.15	10
7/22/2014	7:30:00	73.1	322	7.92	8.15	10
7/22/2014	8:00:00	73.1	322	7.89	8.16	10
7/22/2014	8:30:00	73.1	322	7.83	8.14	10
7/22/2014	9:00:00	73.2	322	7.81	8.15	10
7/22/2014	9:30:00	73.4	322	7.91	8.17	10
7/22/2014	10:00:00	73.6	322	7.92	8.17	10
7/22/2014	10:30:00	73.5	322	7.95	8.18	10
7/22/2014	11:00:00	73.8	323	8.06	8.2	10
7/22/2014	11:30:00	81.3	1	7.72	8.35	9.7
7/22/2014	12:00:00	74.4	328	8.31	8.25	9.8
7/22/2014	12:30:00	74.9	328	8.46	8.3	9.9
7/22/2014	13:00:00	75.3	328	8.5	8.31	9.9
7/22/2014	13:30:00	75.6	328	8.36	8.29	9.8
7/22/2014	14:00:00	75.9	328	8.39	8.3	9.9
7/22/2014	14:30:00	76.2	328	8.59	8.33	9.9
7/22/2014	15:00:00	76.5	328	8.74	8.36	9.9
7/22/2014	15:30:00	77	328	8.9	8.4	9.9
7/22/2014	16:00:00	76.4	329	8.66	8.36	9.9
7/22/2014	16:30:00	76.3	329	8.54	8.34	9.9
7/22/2014	17:00:00	76.5	329	8.7	8.36	9.9
7/22/2014	17:30:00	76.5	329	8.71	8.36	9.9
7/22/2014	18:00:00	76.5	324	8.67	8.36	10
7/22/2014	18:30:00	77	328	8.92	8.4	10
7/22/2014	19:00:00	76.9	328	8.86	8.39	10
7/22/2014	19:30:00	76.8	328	8.75	8.38	10
7/22/2014	20:00:00	76.6	328	8.56	8.36	10
7/22/2014	20:30:00	76.6	328	8.56	8.36	10
7/22/2014	21:00:00	76.7	328	8.55	8.37	10
7/22/2014	21:30:00	76.4	328	8.51	8.35	9.9
7/22/2014	22:00:00	76	329	8.24	8.3	10

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7/22/2014	22:30:00	75.8	329	8.08	8.29	10
7/22/2014	23:00:00	75.8	329	7.96	8.27	9.9
7/22/2014	23:30:00	75.7	329	8.03	8.27	9.9
7/23/2014	0:00:00	75.6	329	7.96	8.27	9.9
7/23/2014	0:30:00	75.5	329	7.88	8.26	9.9
7/23/2014	1:00:00	75.4	329	7.84	8.25	9.9
7/23/2014	1:30:00	75.3	329	7.89	8.26	9.9
7/23/2014	2:00:00	75.3	329	7.9	8.26	10
7/23/2014	2:30:00	75.3	329	7.83	8.25	10
7/23/2014	3:00:00	75.2	329	7.87	8.26	9.9
7/23/2014	3:30:00	75.2	329	7.8	8.26	9.9
7/23/2014	4:00:00	75.1	329	7.79	8.25	9.9
7/23/2014	4:30:00	75.1	329	7.76	8.25	10
7/23/2014	5:00:00	75.1	329	7.73	8.24	9.9
7/23/2014	5:30:00	75.1	329	7.4	8.2	9.9
7/23/2014	6:00:00	74.9	329	7.54	8.21	9.9
7/23/2014	6:30:00	74.8	329	7.63	8.23	9.9
7/23/2014	7:00:00	74.8	329	7.66	8.23	9.9
7/23/2014	7:30:00	74.8	329	7.65	8.24	9.9
7/23/2014	8:00:00	74.8	322	7.65	8.23	9.9
7/23/2014	8:30:00	74.7	326	7.66	8.23	9.9
7/23/2014	9:00:00	74.8	329	7.74	8.25	9.9
7/23/2014	9:30:00	74.9	329	7.77	8.25	9.9
7/23/2014	10:00:00	74.9	329	7.78	8.25	9.9
7/23/2014	10:30:00	75	329	7.79	8.25	9.9
7/23/2014	11:00:00	75	329	7.79	8.25	9.9
7/23/2014	11:30:00	75	329	7.71	8.24	9.9
7/23/2014	12:00:00	75.2	329	7.69	8.23	9.9
7/23/2014	12:30:00	75.3	329	7.76	8.24	9.9
7/23/2014	13:00:00	75.3	319	7.73	8.23	9.9
7/23/2014	13:30:00	75.4	329	7.74	8.23	9.9
7/23/2014	14:00:00	75.4	329	7.64	8.22	9.9
7/23/2014	14:30:00	75.5	329	7.63	8.22	9.9
7/23/2014	15:00:00	75.5	330	7.66	8.22	9.9
7/23/2014	15:30:00	75.6	330	7.68	8.22	9.9
7/23/2014	16:00:00	75.4	330	7.48	8.19	9.9
7/23/2014	16:30:00	75.6	330	7.49	8.2	9.9
7/23/2014	17:00:00	75.6	330	7.55	8.2	9.9
7/23/2014	17:30:00	75.7	330	7.58	8.21	9.8
7/23/2014	18:00:00	75.7	324	7.64	8.22	9.9
7/23/2014	18:30:00	75.6	328	7.52	8.2	9.9
7/23/2014	19:00:00	75.3	330	7.24	8.16	9.9
7/23/2014	19:30:00	75.1	331	7.05	8.13	9.9
7/23/2014	20:00:00	75	330	7.02	8.13	9.9
7/23/2014	20:30:00	75.1	330	7.08	8.14	9.9
7/23/2014	21:00:00	75.1	330	7.11	8.14	9.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/23/2014	21:30:00	75.1	330	7.15	8.15	9.9
7/23/2014	22:00:00	75.1	330	7.17	8.15	9.9
7/23/2014	22:30:00	75.1	330	7.17	8.16	9.8
7/23/2014	23:00:00	75.1	330	7.22	8.16	9.9
7/23/2014	23:30:00	75.1	330	7.27	8.17	9.8
7/24/2014	0:00:00	75.1	330	7.3	8.18	9.8
7/24/2014	0:30:00	75.1	330	7.31	8.17	9.9
7/24/2014	1:00:00	75.1	330	7.3	8.17	9.8
7/24/2014	1:30:00	75.1	330	7.28	8.18	9.8
7/24/2014	2:00:00	75	330	7.26	8.17	9.9
7/24/2014	2:30:00	75	330	7.26	8.17	9.9
7/24/2014	3:00:00	75	330	7.27	8.17	9.8
7/24/2014	3:30:00	74.9	330	7.22	8.16	9.8
7/24/2014	4:00:00	74.9	330	7.19	8.16	9.8
7/24/2014	4:30:00	74.8	330	7.14	8.15	9.9
7/24/2014	5:00:00	74.8	330	7.16	8.15	9.8
7/24/2014	5:30:00	74.8	330	7.08	8.14	9.9
7/24/2014	6:00:00	74.7	330	7.03	8.13	9.8
7/24/2014	6:30:00	74.7	330	7.01	8.13	9.8
7/24/2014	7:00:00	74.7	330	7	8.13	9.8
7/24/2014	7:30:00	74.7	330	7.05	8.14	9.9
7/24/2014	8:00:00	74.7	330	7.09	8.14	9.8
7/24/2014	8:30:00	74.7	330	7.06	8.14	9.8
7/24/2014	9:00:00	74.7	330	6.95	8.13	9.8
7/24/2014	9:30:00	74.7	330	6.99	8.12	9.8
7/24/2014	10:00:00	74.8	330	7.02	8.12	9.8
7/24/2014	10:30:00	75	330	7.02	8.13	9.8
7/24/2014	11:00:00	75.2	330	7.15	8.15	9.8
7/24/2014	11:30:00	75.1	330	7.05	8.13	9.8
7/24/2014	12:00:00	75.2	330	7.13	8.14	9.7
7/24/2014	12:30:00	75.4	331	7.27	8.16	9.8
7/24/2014	13:00:00	75.5	331	7.28	8.16	9.8
7/24/2014	13:30:00	75.5	331	7.07	8.14	9.8
7/24/2014	14:00:00	75.4	331	6.94	8.12	9.8
7/24/2014	14:30:00	75.5	331	6.99	8.12	9.8
7/24/2014	15:00:00	75.5	332	6.81	8.1	9.8
7/24/2014	15:30:00	75.4	332	6.69	8.08	9.7
7/24/2014	16:00:00	75.5	332	6.63	8.08	9.8
7/24/2014	16:30:00	75.8	332	6.9	8.11	9.8
7/24/2014	17:00:00	75.8	332	6.89	8.12	9.8
7/24/2014	17:30:00	75.8	332	7.03	8.13	9.8
7/24/2014	18:00:00	75.6	332	6.98	8.13	9.8
7/24/2014	18:30:00	75.6	332	7.01	8.13	9.7
7/24/2014	19:00:00	75.3	332	6.92	8.12	9.7
7/24/2014	19:30:00	75.3	332	7.04	8.13	9.8
7/24/2014	20:00:00	75.3	332	7.07	8.14	9.7

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/24/2014	20:30:00	75.1	332	7.08	8.14	9.7
7/24/2014	21:00:00	74.9	332	7.01	8.13	9.8
7/24/2014	21:30:00	74.7	332	7.01	8.12	9.8
7/24/2014	22:00:00	74.5	332	6.93	8.11	9.7
7/24/2014	22:30:00	74.5	332	6.75	8.09	9.7
7/24/2014	23:00:00	74.5	332	6.83	8.1	9.8
7/24/2014	23:30:00	74.5	332	6.81	8.1	9.7
7/25/2014	0:00:00	74.5	332	6.77	8.09	9.7
7/25/2014	0:30:00	74.4	331	6.76	8.09	9.7
7/25/2014	1:00:00	74.4	332	6.72	8.09	9.7
7/25/2014	1:30:00	74.3	332	6.75	8.08	9.7
7/25/2014	2:00:00	74.3	332	6.74	8.09	9.7
7/25/2014	2:30:00	74.3	332	6.77	8.1	9.7
7/25/2014	3:00:00	74.3	331	6.85	8.11	9.7
7/25/2014	3:30:00	74.3	331	6.9	8.11	9.7
7/25/2014	4:00:00	74.3	331	6.85	8.11	9.7
7/25/2014	4:30:00	74.3	331	6.92	8.12	9.7
7/25/2014	5:00:00	74.4	331	7.04	8.13	9.7
7/25/2014	5:30:00	74.4	331	7.13	8.16	9.7
7/25/2014	6:00:00	74.4	331	7.05	8.15	9.7
7/25/2014	6:30:00	74.4	331	6.96	8.14	9.7
7/25/2014	7:00:00	74.3	331	6.97	8.13	9.7
7/25/2014	7:30:00	74.3	331	6.94	8.13	9.7
7/25/2014	8:00:00	74.2	332	6.96	8.14	9.7
7/25/2014	8:30:00	74.2	331	7.11	8.16	9.7
7/25/2014	9:00:00	74.2	332	7.11	8.15	9.7
7/25/2014	9:30:00	74.2	331	7.1	8.15	9.7
7/25/2014	10:00:00	74.1	332	7.02	8.14	9.7
7/25/2014	10:30:00	74.1	332	6.96	8.13	9.7
7/25/2014	11:00:00	74.1	332	6.84	8.11	9.7
7/25/2014	11:30:00	74.1	332	6.91	8.12	9.7
7/25/2014	12:00:00	74.1	332	6.85	8.11	9.7
7/25/2014	12:30:00	74.1	332	6.83	8.11	9.7
7/25/2014	13:00:00	74	333	6.69	8.09	9.7
7/25/2014	13:30:00	73.9	333	6.65	8.07	9.7
7/25/2014	14:00:00	74	333	6.66	8.08	9.7
7/25/2014	14:30:00	73.9	333	6.54	8.05	9.7
7/25/2014	15:00:00	73.9	333	6.57	8.06	9.7
7/25/2014	15:30:00	73.9	333	6.62	8.07	9.7
7/25/2014	16:00:00	73.9	333	6.7	8.08	9.7
7/25/2014	16:30:00	73.8	333	6.55	8.07	9.7
7/25/2014	17:00:00	73.8	333	6.56	8.06	9.7
7/25/2014	17:30:00	73.8	333	6.6	8.07	9.7
7/25/2014	18:00:00	73.8	332	6.82	8.1	9.7
7/25/2014	18:30:00	73.8	332	6.91	8.12	9.7
7/25/2014	19:00:00	73.7	332	6.94	8.13	9.7

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/25/2014	19:30:00	73.7	332	6.96	8.13	9.7
7/25/2014	20:00:00	73.6	332	6.96	8.13	9.7
7/25/2014	20:30:00	73.6	332	6.95	8.12	9.7
7/25/2014	21:00:00	73.6	332	6.91	8.12	9.7
7/25/2014	21:30:00	73.5	332	6.93	8.12	9.7
7/25/2014	22:00:00	73.4	332	6.92	8.11	9.7
7/25/2014	22:30:00	73.4	332	6.77	8.09	9.7
7/25/2014	23:00:00	73.4	332	6.82	8.09	9.6
7/25/2014	23:30:00	73.3	332	6.74	8.09	9.7
7/26/2014	0:00:00	73.3	332	6.76	8.09	9.7
7/26/2014	0:30:00	73.3	332	6.77	8.09	9.7
7/26/2014	1:00:00	73.3	332	6.74	8.09	9.6
7/26/2014	1:30:00	73.3	332	6.75	8.09	9.7
7/26/2014	2:00:00	73.3	332	6.74	8.09	9.7
7/26/2014	2:30:00	73.2	332	6.71	8.09	9.6
7/26/2014	3:00:00	73.2	332	6.69	8.08	9.6
7/26/2014	3:30:00	73.2	332	6.73	8.08	9.7
7/26/2014	4:00:00	73.2	332	6.8	8.09	9.6
7/26/2014	4:30:00	73.2	332	6.68	8.08	9.6
7/26/2014	5:00:00	73.2	332	6.64	8.08	9.6
7/26/2014	5:30:00	73.2	332	6.64	8.07	9.7
7/26/2014	6:00:00	73.1	332	6.63	8.07	9.6
7/26/2014	6:30:00	73.1	332	6.62	8.07	9.6
7/26/2014	7:00:00	73	332	6.65	8.07	9.7
7/26/2014	7:30:00	73	332	6.69	8.08	9.7
7/26/2014	8:00:00	73	333	6.74	8.08	9.6
7/26/2014	8:30:00	72.9	332	6.75	8.08	9.6
7/26/2014	9:00:00	72.9	333	6.72	8.08	9.6
7/26/2014	9:30:00	73	332	6.75	8.09	9.6
7/26/2014	10:00:00	73.1	333	6.83	8.09	9.6
7/26/2014	10:30:00	73.2	332	6.91	8.1	9.6
7/26/2014	11:00:00	73.3	332	7.04	8.13	9.6
7/26/2014	11:30:00	73.3	333	6.98	8.12	9.6
7/26/2014	12:00:00	73.3	332	6.91	8.11	9.6
7/26/2014	12:30:00	73.3	333	6.89	8.1	9.6
7/26/2014	13:00:00	73.6	333	6.95	8.11	9.7
7/26/2014	13:30:00	73.9	333	7.1	8.14	9.6
7/26/2014	14:00:00	74.1	332	7.11	8.14	9.6
7/26/2014	14:30:00	74.2	333	6.93	8.12	9.6
7/26/2014	15:00:00	74.2	333	6.87	8.1	9.6
7/26/2014	15:30:00	74	333	6.71	8.08	9.6
7/26/2014	16:00:00	74.3	333	6.88	8.1	9.6
7/26/2014	16:30:00	74.3	333	6.85	8.11	9.6
7/26/2014	17:00:00	74.3	333	6.99	8.12	9.6
7/26/2014	17:30:00	74.3	333	7.02	8.12	9.6
7/26/2014	18:00:00	74.4	333	7.11	8.14	9.6

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/26/2014	18:30:00	74.5	333	7.08	8.15	9.6
7/26/2014	19:00:00	74.5	333	7.04	8.14	9.6
7/26/2014	19:30:00	74.3	333	6.93	8.12	9.6
7/26/2014	20:00:00	74	333	6.85	8.1	9.6
7/26/2014	20:30:00	73.9	334	6.74	8.09	9.6
7/26/2014	21:00:00	73.8	333	6.73	8.09	9.6
7/26/2014	21:30:00	73.6	333	6.58	8.07	9.6
7/26/2014	22:00:00	73.5	333	6.63	8.07	9.6
7/26/2014	22:30:00	73.6	333	6.68	8.08	9.6
7/26/2014	23:00:00	73.6	333	6.69	8.08	9.6
7/26/2014	23:30:00	73.6	333	6.6	8.07	9.6
7/27/2014	0:00:00	73.6	333	6.62	8.07	9.6
7/27/2014	0:30:00	73.5	333	6.63	8.07	9.6
7/27/2014	1:00:00	73.5	333	6.6	8.06	9.6
7/27/2014	1:30:00	73.4	334	6.57	8.06	9.6
7/27/2014	2:00:00	73.3	333	6.53	8.06	9.6
7/27/2014	2:30:00	73.2	334	6.4	8.04	9.6
7/27/2014	3:00:00	73.1	334	6.35	8.03	9.6
7/27/2014	3:30:00	73.1	333	6.35	8.03	9.6
7/27/2014	4:00:00	73.1	334	6.37	8.03	9.6
7/27/2014	4:30:00	73.2	333	6.46	8.05	9.6
7/27/2014	5:00:00	73.2	333	6.68	8.08	9.6
7/27/2014	5:30:00	73.2	333	6.68	8.07	9.6
7/27/2014	6:00:00	73.2	334	6.72	8.08	9.6
7/27/2014	6:30:00	73.2	334	6.68	8.08	9.6
7/27/2014	7:00:00	73.2	334	6.76	8.09	9.5
7/27/2014	7:30:00	73.1	333	6.8	8.09	9.5
7/27/2014	8:00:00	73.2	333	6.78	8.09	9.6
7/27/2014	8:30:00	73.2	333	6.83	8.1	9.5
7/27/2014	9:00:00	73.2	333	6.85	8.1	9.6
7/27/2014	9:30:00	73.3	333	6.88	8.1	9.5
7/27/2014	10:00:00	73.3	333	6.85	8.1	9.6
7/27/2014	10:30:00	73.5	333	7.01	8.11	9.6
7/27/2014	11:00:00	73.7	333	7.01	8.12	9.5
7/27/2014	11:30:00	73.7	333	7	8.12	9.6
7/27/2014	12:00:00	73.7	333	7.05	8.12	9.6
7/27/2014	12:30:00	73.5	333	6.93	8.1	9.6
7/27/2014	13:00:00	73.4	334	6.84	8.09	9.5
7/27/2014	13:30:00	73.4	334	6.82	8.09	9.5
7/27/2014	14:00:00	73.3	333	6.84	8.09	9.5
7/27/2014	14:30:00	73.1	334	6.79	8.07	9.5
7/27/2014	15:00:00	73.1	334	6.74	8.07	9.5
7/27/2014	15:30:00	73.1	334	6.74	8.07	9.5
7/27/2014	16:00:00	73	334	6.66	8.06	9.5
7/27/2014	16:30:00	73.1	333	6.75	8.07	9.5
7/27/2014	17:00:00	73.1	334	6.69	8.07	9.5

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/27/2014	17:30:00	73.1	333	6.81	8.07	9.5
7/27/2014	18:00:00	73.3	333	6.94	8.09	9.5
7/27/2014	18:30:00	73.4	333	6.92	8.09	9.5
7/27/2014	19:00:00	73.4	333	6.92	8.09	9.5
7/27/2014	19:30:00	73.2	333	6.8	8.08	9.5
7/27/2014	20:00:00	73.1	333	6.8	8.08	9.5
7/27/2014	20:30:00	73	333	6.81	8.08	9.5
7/27/2014	21:00:00	72.9	333	6.8	8.07	9.5
7/27/2014	21:30:00	72.8	334	6.75	8.07	9.5
7/27/2014	22:00:00	72.6	333	6.72	8.06	9.5
7/27/2014	22:30:00	72.5	334	6.71	8.06	9.5
7/27/2014	23:00:00	72.5	334	6.7	8.06	9.5
7/27/2014	23:30:00	72.4	334	6.71	8.07	9.5
7/28/2014	0:00:00	72.3	334	6.73	8.07	9.5
7/28/2014	0:30:00	72.3	334	6.78	8.07	9.4
7/28/2014	1:00:00	72.2	333	6.81	8.08	9.5
7/28/2014	1:30:00	72.1	333	6.84	8.08	9.4
7/28/2014	2:00:00	72.1	333	6.83	8.09	9.4
7/28/2014	2:30:00	72	333	6.85	8.09	9.4
7/28/2014	3:00:00	72	333	6.8	8.08	9.4
7/28/2014	3:30:00	71.9	333	6.72	8.07	9.4
7/28/2014	4:00:00	71.8	333	6.72	8.07	9.4
7/28/2014	4:30:00	71.7	333	6.75	8.07	9.4
7/28/2014	5:00:00	71.7	333	6.76	8.07	9.4
7/28/2014	5:30:00	71.6	333	6.73	8.07	9.4
7/28/2014	6:00:00	71.5	333	6.7	8.07	9.4
7/28/2014	6:30:00	71.4	333	6.78	8.07	9.4
7/28/2014	7:00:00	71.3	334	6.78	8.07	9.4
7/28/2014	7:30:00	71.3	333	6.74	8.07	9.4
7/28/2014	8:00:00	71.3	333	6.3	8.01	9.4
7/28/2014	8:30:00	71.3	334	6.25	7.99	9.4
7/28/2014	9:00:00	71.3	333	6.18	7.98	9.4
7/28/2014	9:30:00	71.3	333	6.26	7.97	9.4
7/28/2014	10:00:00	71.3	333	6.14	7.96	9.4
7/28/2014	10:30:00	71.3	334	6.12	7.95	9.4
7/28/2014	11:00:00	71.3	333	6.3	7.94	9.4
7/28/2014	11:30:00	71.4	334	6.25	7.94	9.4
7/28/2014	12:00:00	71.4	333	6.26	7.95	9.4
7/28/2014	12:30:00	71.4	334	6.1	7.95	9.4
7/28/2014	13:00:00	71.4	329	6.04	7.95	9.4
7/28/2014	13:30:00	71.3	333	6.17	7.95	9.4
7/28/2014	14:00:00	71.1	334	6.09	7.93	9.4
7/28/2014	14:30:00	70.9	334	5.9	7.9	9.4
7/28/2014	15:00:00	70.8	334	5.64	7.89	9.4
7/28/2014	15:30:00	70.7	334	5.73	7.87	9.4
7/28/2014	16:00:00	70.6	334	5.81	7.88	9.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/28/2014	16:30:00	70.6	335	5.6	7.88	9.4
7/28/2014	17:00:00	70.6	334	5.58	7.87	9.4
7/28/2014	17:30:00	71.1	334	6	7.89	9.4
7/28/2014	18:00:00	70.8	335	5.57	7.88	9.4
7/28/2014	18:30:00	70.7	335	5.8	7.88	9.4
7/28/2014	19:00:00	70.5	335	5.69	7.87	9.4
7/28/2014	19:30:00	70.3	335	5.65	7.87	9.4
7/28/2014	20:00:00	70.3	335	5.78	7.88	9.4
7/28/2014	20:30:00	70.2	335	5.74	7.88	9.4
7/28/2014	21:00:00	70.1	335	5.5	7.88	9.4
7/28/2014	21:30:00	70	335	5.43	7.86	9.4
7/28/2014	22:00:00	70	335	5.46	7.87	9.4
7/28/2014	22:30:00	70	335	5.52	7.87	9.4
7/28/2014	23:00:00	70	335	5.51	7.86	9.4
7/28/2014	23:30:00	70	335	5.54	7.86	9.4
7/29/2014	0:00:00	70.1	335	5.67	7.85	9.4
7/29/2014	0:30:00	70.2	334	5.7	7.89	9.4
7/29/2014	1:00:00	70.3	334	5.76	7.9	9.4
7/29/2014	1:30:00	70.2	335	5.57	7.89	9.4
7/29/2014	2:00:00	70.2	335	5.7	7.89	9.4
7/29/2014	2:30:00	70.2	335	5.72	7.88	9.4
7/29/2014	3:00:00	70.2	334	5.66	7.87	9.4
7/29/2014	3:30:00	70.2	335	5.73	7.87	9.4
7/29/2014	4:00:00	70.2	335	5.7	7.88	9.3
7/29/2014	4:30:00	70.2	335	5.64	7.88	9.4
7/29/2014	5:00:00	70.1	335	5.75	7.88	9.4
7/29/2014	5:30:00	70.1	334	5.67	7.88	9.4
7/29/2014	6:00:00	70.1	335	5.78	7.88	9.3
7/29/2014	6:30:00	70.1	335	5.84	7.88	9.4
7/29/2014	7:00:00	70.1	335	5.63	7.88	9.4
7/29/2014	7:30:00	70.1	334	5.64	7.88	9.3
7/29/2014	8:00:00	70.2	303	5.48	7.88	9.3
7/29/2014	8:30:00	70.2	335	5.69	7.88	9.3
7/29/2014	9:00:00	70.2	334	5.98	7.89	9.3
7/29/2014	9:30:00	70.2	334	5.79	7.89	9.3
7/29/2014	10:00:00	70.2	334	5.79	7.89	9.3
7/29/2014	10:30:00	70.3	334	5.82	7.87	9.3
7/29/2014	11:00:00	70.4	334	5.76	7.88	9.3
7/29/2014	11:30:00	70.4	333	5.76	7.88	9.3
7/29/2014	12:00:00	70.5	332	5.79	7.88	9.3
7/29/2014	12:30:00	70.6	329	6.03	8.21	12
7/29/2014	13:00:00	70.8	328	6.25	8.04	12
7/29/2014	13:30:00	70.7	328	6.4	7.99	12
7/29/2014	14:00:00	70.5	328	6.23	7.97	12
7/29/2014	14:30:00	70.6	328	6.01	7.95	12
7/29/2014	15:00:00	70.6	328	6.2	7.97	12

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/29/2014	15:30:00	70.3	328	6.14	7.97	12
7/29/2014	16:00:00	70.4	329	6.17	7.98	12
7/29/2014	16:30:00	70.3	329	6.22	7.99	12
7/29/2014	17:00:00	70.6	329	6.41	8.02	12
7/29/2014	17:30:00	70.5	329	6.48	8.03	12
7/29/2014	18:00:00	70.4	328	6.46	8.03	12
7/29/2014	18:30:00	70.3	329	6.42	8.03	11.9
7/29/2014	19:00:00	70.2	329	6.36	8.02	11.9
7/29/2014	19:30:00	70.3	329	6.45	8.03	11.9
7/29/2014	20:00:00	70.3	328	6.55	8.04	11.9
7/29/2014	20:30:00	70.3	328	6.61	8.05	11.9
7/29/2014	21:00:00	70.4	328	6.74	8.07	11.9
7/29/2014	21:30:00	70.4	328	6.68	8.06	11.9
7/29/2014	22:00:00	70.5	328	6.78	8.07	11.9
7/29/2014	22:30:00	70.4	328	6.77	8.07	11.9
7/29/2014	23:00:00	70.3	328	6.78	8.07	11.9
7/29/2014	23:30:00	70.3	328	6.94	8.09	11.9
7/30/2014	0:00:00	70.2	328	6.9	8.1	11.9
7/30/2014	0:30:00	70.1	328	6.84	8.09	11.9
7/30/2014	1:00:00	70.1	328	6.85	8.09	11.8
7/30/2014	1:30:00	69.9	328	6.71	8.07	11.8
7/30/2014	2:00:00	69.9	328	6.73	8.07	11.8
7/30/2014	2:30:00	69.8	328	6.72	8.07	11.8
7/30/2014	3:00:00	69.8	328	6.73	8.07	11.8
7/30/2014	3:30:00	69.7	328	6.71	8.07	11.8
7/30/2014	4:00:00	69.6	328	6.65	8.06	11.8
7/30/2014	4:30:00	69.6	328	6.62	8.06	11.8
7/30/2014	5:00:00	69.5	328	6.64	8.06	11.8
7/30/2014	5:30:00	69.5	328	6.64	8.06	11.8
7/30/2014	6:00:00	69.4	327	6.77	8.07	11.8
7/30/2014	6:30:00	69.4	327	6.85	8.08	11.8
7/30/2014	7:00:00	69.4	327	6.81	8.08	11.8
7/30/2014	7:30:00	69.4	327	6.89	8.09	11.8
7/30/2014	8:00:00	69.4	327	6.94	8.1	11.8
7/30/2014	8:30:00	69.4	328	6.97	8.1	11.8
7/30/2014	9:00:00	69.4	327	6.9	8.09	11.8
7/30/2014	9:30:00	69.4	327	7.02	8.11	11.8
7/30/2014	10:00:00	69.5	327	7.1	8.12	11.8
7/30/2014	10:30:00	69.5	327	7	8.1	11.8
7/30/2014	11:00:00	69.6	328	6.94	8.09	11.8
7/30/2014	11:30:00	69.6	328	6.96	8.09	11.8
7/30/2014	12:00:00	69.8	328	6.94	8.09	11.8
7/30/2014	12:30:00	69.7	328	6.89	8.08	11.8
7/30/2014	13:00:00	69.7	328	6.93	8.09	11.8
7/30/2014	13:30:00	69.7	328	6.96	8.09	11.8
7/30/2014	14:00:00	69.9	328	7.01	8.1	11.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/30/2014	14:30:00	70.2	328	7.22	8.13	11.8
7/30/2014	15:00:00	70.4	328	7.29	8.14	11.8
7/30/2014	15:30:00	70.5	328	7.25	8.14	11.8
7/30/2014	16:00:00	70.7	327	7.28	8.14	11.8
7/30/2014	16:30:00	70.8	328	7.28	8.14	11.8
7/30/2014	17:00:00	71	328	7.25	8.14	11.8
7/30/2014	17:30:00	70.8	328	7.22	8.13	11.8
7/30/2014	18:00:00	70.9	328	7.24	8.13	11.8
7/30/2014	18:30:00	71	328	7.26	8.14	11.7
7/30/2014	19:00:00	70.9	328	7.26	8.14	11.7
7/30/2014	19:30:00	70.7	328	7.25	8.13	11.7
7/30/2014	20:00:00	70.6	328	7.21	8.13	11.7
7/30/2014	20:30:00	70.4	327	7.14	8.12	11.7
7/30/2014	21:00:00	70.4	327	7.18	8.13	11.7
7/30/2014	21:30:00	70.5	327	7.3	8.14	11.7
7/30/2014	22:00:00	70.4	327	7.31	8.14	11.7
7/30/2014	22:30:00	70.4	327	7.36	8.15	11.7
7/30/2014	23:00:00	70.3	326	7.31	8.15	11.7
7/30/2014	23:30:00	70.3	326	7.39	8.15	11.7
7/31/2014	0:00:00	70.2	326	7.33	8.15	11.7
7/31/2014	0:30:00	70.2	326	7.33	8.15	11.7
7/31/2014	1:00:00	70.3	326	7.33	8.15	11.7
7/31/2014	1:30:00	70.3	326	7.35	8.15	11.7
7/31/2014	2:00:00	70.4	326	7.39	8.16	11.7
7/31/2014	2:30:00	70.3	326	7.44	8.16	11.7
7/31/2014	3:00:00	70.2	326	7.41	8.16	11.7
7/31/2014	3:30:00	70.1	326	7.38	8.15	11.7
7/31/2014	4:00:00	70	326	7.39	8.15	11.7
7/31/2014	4:30:00	69.9	326	7.34	8.15	11.6
7/31/2014	5:00:00	69.8	326	7.28	8.14	11.7
7/31/2014	5:30:00	69.7	326	7.2	8.14	11.6
7/31/2014	6:00:00	69.7	326	7.24	8.13	11.6
7/31/2014	6:30:00	69.6	326	7.17	8.13	11.6
7/31/2014	7:00:00	69.5	326	7.14	8.12	11.6
7/31/2014	7:30:00	69.5	326	7.09	8.11	11.6
7/31/2014	8:00:00	69.5	326	7.13	8.12	11.6
7/31/2014	8:30:00	69.4	326	7.07	8.11	11.6
7/31/2014	9:00:00	69.4	325	7.09	8.12	11.6
7/31/2014	9:30:00	69.5	326	7.06	8.11	11.6
7/31/2014	10:00:00	69.5	326	7.06	8.11	11.6
7/31/2014	10:30:00	69.5	325	7.12	8.12	11.6
7/31/2014	11:00:00	69.6	326	7.09	8.11	11.6
7/31/2014	11:30:00	69.8	325	7.09	8.11	11.6
7/31/2014	12:00:00	70	326	7.07	8.11	11.6
7/31/2014	12:30:00	70.4	325	7.15	8.12	11.6
7/31/2014	13:00:00	70.6	326	7.22	8.13	11.6

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts
7/31/2014	13:30:00	70.7	326	7.29	8.14	11.6
7/31/2014	14:00:00	70.8	326	7.29	8.14	11.6
7/31/2014	14:30:00	71	325	7.3	8.14	11.6
7/31/2014	15:00:00	71.1	325	7.33	8.14	11.6
7/31/2014	15:30:00	71.3	325	7.45	8.16	11.6
7/31/2014	16:00:00	71.3	325	7.49	8.16	11.6
7/31/2014	16:30:00	71.1	325	7.39	8.14	11.5
7/31/2014	17:00:00	70.9	325	7.34	8.14	11.5
7/31/2014	17:30:00	71.2	325	7.46	8.15	11.5
7/31/2014	18:00:00	71	325	7.32	8.13	11.5
7/31/2014	18:30:00	71.1	325	7.39	8.14	11.5
7/31/2014	19:00:00	71.1	325	7.42	8.14	11.5
7/31/2014	19:30:00	70.8	324	7.25	8.12	11.5
7/31/2014	20:00:00	70.9	324	7.37	8.14	11.5
7/31/2014	20:30:00	71	324	7.43	8.14	11.5
7/31/2014	21:00:00	71	324	7.5	8.15	11.5
7/31/2014	21:30:00	71.1	324	7.52	8.16	11.5
7/31/2014	22:00:00	71.1	324	7.52	8.16	11.5
7/31/2014	22:30:00	70.9	324	7.49	8.15	11.5
7/31/2014	23:00:00	71	324	7.53	8.16	11.5
7/31/2014	23:30:00	70.9	324	7.49	8.15	11.5
Average		71.57	321.22	7.41	8.12	10.17
High		81.3	335	9.04	8.4	12.00
Low		67.10	1.00	5.43	7.85	9.30
		Temp °F	SpCond μS/cm	LDO mg/l	pH Units	IBatt Volts

Water Quality Monitoring Data
Month of August 2014

APPENDIX C
TAILWATER SAMPLING DATA

Water Quality Monitoring Data August 01-19, 2014
Oconto Falls Upper P-2523
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Hydrolab MS5 60751

Log File Name : AUG1-19-OFUP

Setup Date (M/D/YYYY) : 7/31/2014

Setup Time (HH:MM:SS) : 15:32:41

Starting Date (M/D/YYYY) : 8/1/2014

Starting Time (HH:MM:SS) : 00:30:00

Stopping Date (M/D/YYYY) : 8/19/2014

Stopping Time (HH:MM:SS) : 11:00:00

Interval (HH:MM:SS) : 00:30:00

Sensor warmup (HH:MM:SS) : 00:00:30

Circltr warmup (HH:MM:SS) : 00:00:00

Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/1/2014	0:30:00	70.7	8.12	324	7.32	11.5
8/1/2014	1:00:00	70.5	8.12	324	7.27	11.4
8/1/2014	1:30:00	70.4	8.12	323	7.27	11.4
8/1/2014	2:00:00	70.3	8.12	323	7.28	11.5
8/1/2014	2:30:00	70.3	8.12	323	7.3	11.4
8/1/2014	3:00:00	70.4	8.14	323	7.41	11.5
8/1/2014	3:30:00	70.4	8.14	322	7.45	11.4
8/1/2014	4:00:00	70.5	8.15	323	7.49	11.5
8/1/2014	4:30:00	70.4	8.15	323	7.49	11.5
8/1/2014	5:00:00	70.4	8.14	323	7.38	11.5
8/1/2014	5:30:00	70.4	8.14	322	7.44	11.4
8/1/2014	6:00:00	70.3	8.14	322	7.41	11.5
8/1/2014	6:30:00	70.3	8.14	323	7.41	11.4
8/1/2014	7:00:00	70.3	8.14	323	7.41	11.4
8/1/2014	7:30:00	70.3	8.13	323	7.33	11.4
8/1/2014	8:00:00	70.3	8.12	323	7.32	11.4
8/1/2014	8:30:00	70.2	8.12	322	7.29	11.4
8/1/2014	9:00:00	70.2	8.12	322	7.27	11.4
8/1/2014	9:30:00	70.2	8.12	322	7.25	11.4
8/1/2014	10:00:00	70.3	8.11	322	7.22	11.4
8/1/2014	10:30:00	70.3	8.11	322	7.2	11.4
8/1/2014	11:00:00	70.4	8.11	321	7.25	11.4
8/1/2014	12:00:00	70.4	8.11	323	7.27	11.4
8/1/2014	12:30:00	70.5	8.11	322	7.29	11.4
8/1/2014	13:00:00	70.7	8.11	322	7.28	11.4
8/1/2014	13:30:00	70.9	8.11	322	7.31	11.4
8/1/2014	14:00:00	70.9	8.11	322	7.31	11.4
8/1/2014	14:30:00	70.9	8.11	322	7.33	11.4
8/1/2014	15:00:00	71	8.12	321	7.35	11.4
8/1/2014	15:30:00	71	8.12	322	7.36	11.4
8/1/2014	15:30:00	71.2	8.12	322	7.41	11.4
8/1/2014	16:00:00	71.3	8.13	321	7.45	11.3
8/1/2014	16:30:00	71.4	8.13	320	7.51	11.4
8/1/2014	17:00:00	71.4	8.14	320	7.55	11.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/1/2014	17:30:00	71.3	8.13	320	7.52	11.4
8/1/2014	18:00:00	71.3	8.14	320	7.51	11.4
8/1/2014	18:30:00	71.2	8.13	320	7.5	11.4
8/1/2014	19:00:00	71.1	8.12	320	7.4	11.4
8/1/2014	19:30:00	71.1	8.12	320	7.39	11.4
8/1/2014	20:00:00	71.3	8.14	320	7.56	11.3
8/1/2014	20:30:00	71.4	8.13	320	7.56	11.4
8/1/2014	21:00:00	71.2	8.12	320	7.46	11.4
8/1/2014	21:30:00	71.2	8.13	320	7.49	11.4
8/1/2014	22:00:00	71.1	8.12	320	7.46	11.4
8/1/2014	22:30:00	71.1	8.12	320	7.47	11.4
8/1/2014	23:00:00	71.1	8.12	320	7.42	11.3
8/1/2014	23:30:00	71.2	8.13	320	7.49	11.4
8/2/2014	0:00:00	71.1	8.12	320	7.43	11.4
8/2/2014	0:30:00	71.2	8.12	320	7.42	11.4
8/2/2014	1:00:00	71.2	8.12	320	7.43	11.4
8/2/2014	1:30:00	71.2	8.13	320	7.44	11.4
8/2/2014	2:00:00	71.2	8.13	320	7.5	11.4
8/2/2014	2:30:00	71.3	8.14	320	7.55	11.4
8/2/2014	3:00:00	71.3	8.14	320	7.53	11.4
8/2/2014	3:30:00	71.3	8.13	319	7.49	11.4
8/2/2014	4:00:00	71.2	8.12	320	7.46	11.4
8/2/2014	4:30:00	71.1	8.11	320	7.4	11.4
8/2/2014	5:00:00	71	8.1	319	7.33	11.3
8/2/2014	5:30:00	71.1	8.11	319	7.37	11.3
8/2/2014	6:00:00	71	8.11	319	7.35	11.3
8/2/2014	6:30:00	71	8.1	319	7.34	11.3
8/2/2014	7:00:00	71	8.11	319	7.36	11.3
8/2/2014	7:30:00	71	8.11	319	7.4	11.4
8/2/2014	8:00:00	71.1	8.12	318	7.44	11.3
8/2/2014	8:30:00	71	8.11	318	7.34	11.3
8/2/2014	9:00:00	71.1	8.1	318	7.3	11.4
8/2/2014	9:30:00	71	8.07	318	7.14	11.3
8/2/2014	10:00:00	71	8.07	318	7.19	11.3
8/2/2014	10:30:00	71	8.06	318	7.1	11.3
8/2/2014	11:00:00	71.2	8.09	318	7.24	11.3
8/2/2014	11:30:00	71	8.06	318	7.1	11.3
8/2/2014	12:00:00	71.2	8.06	319	7.07	11.3
8/2/2014	12:30:00	71.4	8.07	319	7.08	11.4
8/2/2014	13:00:00	71.8	8.09	318	7.23	11.3
8/2/2014	13:30:00	71.4	8.07	319	7.09	11.3
8/2/2014	14:00:00	71.6	8.07	318	7.13	11.3
8/2/2014	14:30:00	71.5	8.06	318	7.02	11.3
8/2/2014	15:00:00	71.5	8.06	319	7.06	11.3
8/2/2014	15:30:00	71.5	8.06	318	7.08	11.3
8/2/2014	16:00:00	71.6	8.07	319	7.09	11.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/2/2014	16:30:00	71.3	8.07	318	7.13	11.3
8/2/2014	17:00:00	71.2	8.09	318	7.23	11.3
8/2/2014	17:30:00	70.9	8.07	317	7.14	11.3
8/2/2014	18:00:00	70.8	8.08	317	7.15	11.3
8/2/2014	18:30:00	70.6	8.06	317	7.06	11.3
8/2/2014	19:00:00	70.8	8.06	318	7.12	11.3
8/2/2014	19:30:00	71.2	8.09	318	7.26	11.3
8/2/2014	20:00:00	71.2	8.09	318	7.29	11.3
8/2/2014	20:30:00	71.4	8.11	318	7.36	11.3
8/2/2014	21:00:00	71.5	8.11	318	7.36	11.3
8/2/2014	21:30:00	71.5	8.1	318	7.33	11.3
8/2/2014	22:00:00	71.6	8.1	318	7.37	11.3
8/2/2014	22:30:00	71.6	8.1	318	7.33	11.3
8/2/2014	23:00:00	71.7	8.11	318	7.41	11.3
8/2/2014	23:30:00	71.7	8.11	318	7.43	11.3
8/3/2014	0:00:00	71.7	8.12	318	7.45	11.3
8/3/2014	0:30:00	71.8	8.13	318	7.49	11.4
8/3/2014	1:00:00	71.7	8.12	318	7.44	11.3
8/3/2014	1:30:00	71.7	8.1	318	7.33	11.3
8/3/2014	2:00:00	71.7	8.11	318	7.38	11.3
8/3/2014	2:30:00	71.7	8.1	318	7.32	11.3
8/3/2014	3:00:00	71.8	8.1	318	7.33	11.3
8/3/2014	3:30:00	71.8	8.1	318	7.28	11.3
8/3/2014	4:00:00	71.8	8.1	318	7.27	11.3
8/3/2014	4:30:00	71.8	8.1	318	7.29	11.3
8/3/2014	5:00:00	71.7	8.08	318	7.16	11.3
8/3/2014	5:30:00	71.7	8.08	318	7.17	11.3
8/3/2014	6:00:00	71.7	8.07	318	7.09	11.3
8/3/2014	6:30:00	71.6	8.07	317	7.09	11.3
8/3/2014	7:00:00	71.6	8.06	317	7.03	11.3
8/3/2014	7:30:00	71.5	8.05	317	6.98	11.3
8/3/2014	8:00:00	71.6	8.05	317	6.96	11.3
8/3/2014	8:30:00	71.6	8.05	317	6.97	11.3
8/3/2014	9:00:00	71.8	8.07	317	7.08	11.3
8/3/2014	9:30:00	72	8.08	317	7.2	11.3
8/3/2014	10:00:00	72.3	8.1	317	7.31	11.3
8/3/2014	10:30:00	72.6	8.13	317	7.54	11.3
8/3/2014	11:00:00	72.7	8.13	317	7.55	11.3
8/3/2014	11:30:00	73	8.13	317	7.54	11.3
8/3/2014	12:00:00	72.9	8.11	317	7.42	11.3
8/3/2014	12:30:00	73.2	8.12	317	7.45	11.3
8/3/2014	13:00:00	73.6	8.15	317	7.64	11.3
8/3/2014	13:30:00	73.7	8.16	317	7.71	11.3
8/3/2014	14:00:00	73.7	8.15	317	7.66	11.3
8/3/2014	14:30:00	74.2	8.19	317	7.85	11.3
8/3/2014	15:00:00	74.5	8.23	317	8.11	11.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/3/2014	15:30:00	74.3	8.2	317	7.97	11.3
8/3/2014	16:00:00	74.5	8.22	317	8.11	11.3
8/3/2014	16:30:00	74.6	8.23	317	8.21	11.3
8/3/2014	17:00:00	74.5	8.22	317	8.17	11.3
8/3/2014	17:30:00	74.1	8.18	317	7.84	11.3
8/3/2014	18:00:00	74	8.17	317	7.78	11.2
8/3/2014	18:30:00	73.8	8.14	318	7.56	11.2
8/3/2014	19:00:00	73.4	8.09	317	7.35	11.3
8/3/2014	19:30:00	73.1	8.07	317	7.23	11.3
8/3/2014	20:00:00	73.1	8.08	317	7.27	11.2
8/3/2014	20:30:00	73.3	8.09	317	7.4	11.3
8/3/2014	21:00:00	73.2	8.08	316	7.35	11.2
8/3/2014	21:30:00	73.3	8.09	316	7.42	11.2
8/3/2014	22:00:00	73.4	8.09	316	7.38	11.3
8/3/2014	22:30:00	73.8	8.13	315	7.61	11.3
8/3/2014	23:00:00	73.6	8.12	316	7.51	11.2
8/3/2014	23:30:00	73.6	8.12	316	7.48	11.2
8/4/2014	0:00:00	73.4	8.1	316	7.41	11.2
8/4/2014	0:30:00	73.4	8.09	316	7.41	11.2
8/4/2014	1:00:00	73.4	8.08	316	7.35	11.2
8/4/2014	1:30:00	73.4	8.08	316	7.29	11.2
8/4/2014	2:00:00	73.4	8.07	316	7.26	11.2
8/4/2014	2:30:00	73.3	8.06	316	7.21	11.2
8/4/2014	3:00:00	73.3	8.06	316	7.2	11.2
8/4/2014	3:30:00	73.3	8.06	317	7.21	11.2
8/4/2014	4:00:00	73.3	8.06	316	7.23	11.2
8/4/2014	4:30:00	73.2	8.06	316	7.2	11.2
8/4/2014	5:00:00	73.2	8.05	316	7.17	11.2
8/4/2014	5:30:00	73.2	8.05	316	7.16	11.2
8/4/2014	6:00:00	73.2	8.05	316	7.17	11.2
8/4/2014	6:30:00	73.2	8.05	316	7.17	11.2
8/4/2014	7:00:00	73.2	8.04	316	7.12	11.2
8/4/2014	7:30:00	73.1	8.04	316	7.03	11.2
8/4/2014	8:00:00	73.1	8.04	317	7.02	11.2
8/4/2014	8:30:00	73.1	8.04	316	7.09	11.2
8/4/2014	9:00:00	73.1	8.04	316	7.08	11.2
8/4/2014	9:30:00	73.1	8.03	316	6.98	11.2
8/4/2014	10:00:00	73.2	8.02	316	6.93	11.2
8/4/2014	10:30:00	73.2	8.02	316	6.85	11.2
8/4/2014	11:00:00	73.2	8.01	316	6.84	11.2
8/4/2014	11:30:00	73.1	8	316	6.78	11.2
8/4/2014	12:00:00	73.1	7.99	316	6.69	11.2
8/4/2014	12:30:00	73	7.96	316	6.43	11.2
8/4/2014	13:00:00	73	7.96	316	6.45	11.1
8/4/2014	13:30:00	73	7.97	317	6.44	11.1
8/4/2014	14:00:00	72.8	7.96	316	6.34	11.2

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/4/2014	14:30:00	72.9	7.99	316	6.5	11.1
8/4/2014	15:00:00	73	8	316	6.64	11.1
8/4/2014	15:30:00	73	8.01	315	6.61	11.1
8/4/2014	16:00:00	73	8	316	6.61	11.1
8/4/2014	16:30:00	73.1	8.01	315	6.66	11.1
8/4/2014	17:00:00	73	8	315	6.63	11.1
8/4/2014	17:30:00	73	8	315	6.61	11.1
8/4/2014	18:00:00	72.9	7.96	315	6.45	11.1
8/4/2014	18:30:00	73.1	7.99	316	6.66	11.1
8/4/2014	19:00:00	73.3	8	315	6.69	11.1
8/4/2014	19:30:00	73.4	8.01	315	6.78	11.1
8/4/2014	20:00:00	73.5	8.03	315	6.88	11.1
8/4/2014	20:30:00	73.4	8.01	315	6.72	11.1
8/4/2014	21:00:00	73.5	8.02	315	6.8	11.1
8/4/2014	21:30:00	73.5	8.01	315	6.76	11.1
8/4/2014	22:00:00	73.5	8.02	315	6.83	11.1
8/4/2014	22:30:00	73.6	8.03	315	6.84	11.1
8/4/2014	23:00:00	73.7	8.04	315	6.99	11.1
8/4/2014	23:30:00	73.7	8.05	315	6.99	11.1
8/5/2014	0:00:00	73.7	8.04	315	6.97	11.1
8/5/2014	0:30:00	73.7	8.05	315	7.06	11.1
8/5/2014	1:00:00	73.7	8.05	316	7.06	11.1
8/5/2014	1:30:00	73.7	8.05	315	7.02	11.1
8/5/2014	2:00:00	73.7	8.05	315	7.01	11.1
8/5/2014	2:30:00	73.7	8.04	316	6.99	11.1
8/5/2014	3:00:00	73.6	8.04	316	6.92	11.1
8/5/2014	3:30:00	73.6	8.04	315	6.94	11.1
8/5/2014	4:00:00	73.6	8.03	316	6.89	11.1
8/5/2014	4:30:00	73.6	8.03	316	6.89	11.1
8/5/2014	5:00:00	73.6	8.03	316	6.89	11.1
8/5/2014	5:30:00	73.5	8.03	315	6.86	11.1
8/5/2014	6:00:00	73.5	8.03	315	6.85	11.1
8/5/2014	6:30:00	73.5	8.02	316	6.8	11.1
8/5/2014	7:00:00	73.4	8.02	315	6.81	11.1
8/5/2014	7:30:00	73.4	8.01	315	6.75	11.1
8/5/2014	8:00:00	73.4	8	316	6.71	11.1
8/5/2014	8:30:00	73.4	8	316	6.69	11.1
8/5/2014	9:00:00	73.4	8	316	6.68	11.1
8/5/2014	9:30:00	73.4	8	316	6.73	11.1
8/5/2014	10:00:00	73.5	8	316	6.72	11.1
8/5/2014	10:30:00	73.5	7.99	316	6.65	11.1
8/5/2014	11:00:00	73.6	7.99	316	6.58	11.1
8/5/2014	11:30:00	73.7	8.01	315	6.68	10.8
8/5/2014	12:00:00	73.7	8.01	315	6.6	10.9
8/5/2014	12:30:00	73.7	8	315	6.54	11
8/5/2014	13:00:00	73.7	8	315	6.56	11

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/5/2014	13:30:00	73.6	7.99	315	6.44	11
8/5/2014	14:00:00	73.6	7.98	315	6.39	11
8/5/2014	14:30:00	73.5	7.97	315	6.27	11
8/5/2014	15:00:00	73.5	7.97	314	6.3	11
8/5/2014	15:30:00	73.5	7.96	314	6.22	11.1
8/5/2014	16:00:00	73.4	7.95	314	6.16	11.1
8/5/2014	16:30:00	73.5	7.97	314	6.29	11.1
8/5/2014	17:00:00	73.4	7.98	314	6.29	11
8/5/2014	17:30:00	73.3	7.97	314	6.23	11.1
8/5/2014	18:00:00	73.3	7.97	314	6.19	11
8/5/2014	18:30:00	73.4	7.99	313	6.27	11.1
8/5/2014	19:00:00	73.4	8.03	313	6.47	11.1
8/5/2014	19:30:00	73.5	8.02	314	6.45	11.1
8/5/2014	20:00:00	73.5	8.03	313	6.52	11.1
8/5/2014	20:30:00	73.5	8.05	313	6.61	11.1
8/5/2014	21:00:00	73.5	8.05	314	6.67	11.1
8/5/2014	21:30:00	73.6	8.07	313	6.76	11.1
8/5/2014	22:00:00	73.7	8.08	313	6.91	11.1
8/5/2014	22:30:00	73.8	8.08	314	6.91	11.1
8/5/2014	23:00:00	73.8	8.08	314	6.94	11.1
8/5/2014	23:30:00	73.8	8.09	313	6.98	11.1
8/6/2014	0:00:00	73.8	8.09	314	6.95	11.1
8/6/2014	0:30:00	73.9	8.11	314	7.13	11.1
8/6/2014	1:00:00	73.9	8.13	313	7.07	11.1
8/6/2014	1:30:00	73.9	8.12	313	7.03	11.1
8/6/2014	2:00:00	73.9	8.11	314	7.04	11.1
8/6/2014	2:30:00	73.8	8.11	313	7.01	11.1
8/6/2014	3:00:00	73.8	8.1	314	6.96	11.1
8/6/2014	3:30:00	73.8	8.1	313	6.93	11.1
8/6/2014	4:00:00	73.8	8.1	314	6.99	11.1
8/6/2014	4:30:00	73.7	8.08	314	6.89	11.1
8/6/2014	5:00:00	73.7	8.08	314	6.88	11.1
8/6/2014	5:30:00	73.7	8.09	314	6.91	11.1
8/6/2014	6:00:00	73.7	8.09	314	6.92	11.1
8/6/2014	6:30:00	73.7	8.08	314	6.88	11.1
8/6/2014	7:00:00	73.7	8.07	314	6.83	11
8/6/2014	7:30:00	73.7	8.07	314	6.79	11.1
8/6/2014	8:00:00	73.7	8.07	314	6.75	11
8/6/2014	8:30:00	73.7	8.05	314	6.65	11.1
8/6/2014	9:00:00	73.7	8.05	314	6.67	11.1
8/6/2014	9:30:00	73.8	8.06	314	6.72	11.1
8/6/2014	10:00:00	73.9	8.07	314	6.8	11
8/6/2014	10:30:00	73.9	8.05	314	6.67	11.1
8/6/2014	11:00:00	73.9	8.03	314	6.49	11.1
8/6/2014	11:30:00	74	8.03	315	6.58	11
8/6/2014	12:00:00	74.1	8.02	315	6.52	11

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/6/2014	12:30:00	74.1	8.02	315	6.49	11
8/6/2014	13:00:00	74.3	8.02	315	6.51	11.1
8/6/2014	13:30:00	74.3	8.02	315	6.54	11
8/6/2014	14:00:00	74.4	8.03	315	6.59	11
8/6/2014	14:30:00	74.5	8.04	315	6.61	11.1
8/6/2014	15:00:00	74.5	8.03	316	6.52	11
8/6/2014	15:30:00	74.6	8.04	315	6.59	11
8/6/2014	16:00:00	74.2	8.01	315	6.47	11.1
8/6/2014	16:30:00	74	8	316	6.34	11.1
8/6/2014	17:00:00	73.8	7.99	316	6.33	11.1
8/6/2014	17:30:00	73.8	8	316	6.38	11
8/6/2014	18:00:00	73.8	7.99	315	6.34	11.1
8/6/2014	18:30:00	73.8	7.98	316	6.31	11
8/6/2014	19:00:00	73.7	7.99	315	6.3	11
8/6/2014	19:30:00	73.8	8.01	316	6.47	11
8/6/2014	20:00:00	73.9	8.02	316	6.51	11
8/6/2014	20:30:00	73.8	8.01	316	6.42	11
8/6/2014	21:00:00	73.9	8.03	316	6.53	11.1
8/6/2014	21:30:00	74.1	8.06	315	6.71	11
8/6/2014	22:00:00	74.3	8.09	315	6.95	11
8/6/2014	22:30:00	74.4	8.13	315	7.1	11
8/6/2014	23:00:00	74.4	8.12	315	7.06	11
8/6/2014	23:30:00	74.4	8.13	315	7.18	11
8/7/2014	0:00:00	74.5	8.14	315	7.2	11
8/7/2014	0:30:00	74.5	8.15	315	7.16	11
8/7/2014	1:00:00	74.5	8.16	314	7.25	11
8/7/2014	1:30:00	74.5	8.16	315	7.32	11
8/7/2014	2:00:00	74.5	8.15	315	7.24	11
8/7/2014	2:30:00	74.4	8.15	315	7.15	11
8/7/2014	3:00:00	74.4	8.15	315	7.19	11
8/7/2014	3:30:00	74.3	8.13	315	7.03	11
8/7/2014	4:00:00	74.3	8.13	315	7.07	11
8/7/2014	4:30:00	74.2	8.12	315	7.03	11
8/7/2014	5:00:00	74.2	8.12	315	7.01	11
8/7/2014	5:30:00	74.2	8.1	315	6.93	11
8/7/2014	6:00:00	74.1	8.1	315	6.94	11
8/7/2014	6:30:00	74.1	8.1	315	6.89	11
8/7/2014	7:00:00	74.1	8.09	315	6.87	11
8/7/2014	7:30:00	74.1	8.08	315	6.78	11
8/7/2014	8:00:00	74.1	8.07	316	6.75	11
8/7/2014	8:30:00	74.1	8.07	316	6.73	11
8/7/2014	9:00:00	74.1	8.07	316	6.74	11
8/7/2014	9:30:00	74.1	8.06	316	6.67	11
8/7/2014	10:00:00	74	8.04	316	6.54	11
8/7/2014	10:30:00	74	8.02	316	6.42	11
8/7/2014	11:00:00	73.9	7.99	317	6.27	11

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/7/2014	11:30:00	73.9	7.98	317	6.18	11
8/7/2014	12:00:00	74	7.98	317	6.24	11
8/7/2014	12:30:00	74	7.98	317	6.17	11
8/7/2014	13:00:00	74	7.97	317	6.1	11
8/7/2014	13:30:00	73.9	7.96	317	6.08	11
8/7/2014	14:00:00	74	7.96	317	6.06	11
8/7/2014	14:30:00	73.9	7.95	318	5.88	11
8/7/2014	15:00:00	73.8	7.94	318	5.86	11
8/7/2014	15:30:00	73.8	7.93	317	5.78	11
8/7/2014	16:00:00	73.6	7.9	318	5.62	11
8/7/2014	16:30:00	73.5	7.88	318	5.49	11
8/7/2014	17:00:00	73.5	7.88	318	5.45	11
8/7/2014	17:30:00	73.6	7.9	318	5.61	11
8/7/2014	18:00:00	73.7	7.92	318	5.81	11
8/7/2014	18:30:00	73.6	7.92	318	5.71	11
8/7/2014	19:00:00	73.6	7.92	318	5.77	11
8/7/2014	19:30:00	73.6	7.93	318	5.85	11
8/7/2014	20:00:00	73.7	7.95	318	5.87	11
8/7/2014	20:30:00	74.1	8.01	318	6.36	11
8/7/2014	21:00:00	74.2	8.05	317	6.56	11
8/7/2014	21:30:00	74.4	8.09	317	6.8	11
8/7/2014	22:00:00	74.5	8.13	317	7.13	11
8/7/2014	22:30:00	74.6	8.16	316	7.25	11
8/7/2014	23:00:00	74.6	8.18	316	7.39	11
8/7/2014	23:30:00	74.6	8.17	316	7.32	11
8/8/2014	0:00:00	74.6	8.16	317	7.27	10.9
8/8/2014	0:30:00	74.6	8.17	316	7.3	10.9
8/8/2014	1:00:00	74.7	8.16	316	7.22	10.9
8/8/2014	1:30:00	74.6	8.15	317	7.13	11
8/8/2014	2:00:00	74.6	8.14	316	7.13	10.9
8/8/2014	2:30:00	74.6	8.15	317	7.18	11
8/8/2014	3:00:00	74.5	8.15	316	7.21	10.9
8/8/2014	3:30:00	74.5	8.14	316	7.16	10.9
8/8/2014	4:00:00	74.4	8.14	317	7.16	11
8/8/2014	4:30:00	74.4	8.13	316	7.11	11
8/8/2014	5:00:00	74.4	8.13	316	7.11	11
8/8/2014	5:30:00	74.4	8.12	317	6.99	10.9
8/8/2014	6:00:00	74.4	8.11	317	7	10.9
8/8/2014	6:30:00	74.4	8.1	317	6.89	11
8/8/2014	7:00:00	74.3	8.09	317	6.84	11
8/8/2014	7:30:00	74.3	8.07	317	6.74	10.9
8/8/2014	8:00:00	74.2	8.06	317	6.68	10.9
8/8/2014	8:30:00	74.2	8.05	318	6.61	11
8/8/2014	9:00:00	74.2	8.04	317	6.55	10.9
8/8/2014	9:30:00	74.2	8.02	318	6.43	11
8/8/2014	10:00:00	74.2	8	318	6.35	10.9

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/8/2014	10:30:00	74.2	8.01	318	6.36	11
8/8/2014	11:00:00	74.3	8.01	318	6.38	10.9
8/8/2014	11:30:00	74.2	8	318	6.33	10.9
8/8/2014	12:00:00	74.2	8	318	6.34	10.9
8/8/2014	12:30:00	74.3	8	319	6.3	10.9
8/8/2014	13:00:00	74.3	8	319	6.25	10.9
8/8/2014	13:30:00	74.3	8.01	318	6.35	10.9
8/8/2014	14:00:00	74.2	7.99	319	6.25	10.9
8/8/2014	14:30:00	74.2	7.99	319	6.3	10.9
8/8/2014	15:00:00	74.1	7.98	319	6.12	10.9
8/8/2014	15:30:00	74	7.96	319	5.99	10.9
8/8/2014	16:00:00	73.8	7.93	320	5.83	10.9
8/8/2014	16:30:00	73.6	7.9	320	5.59	10.9
8/8/2014	17:00:00	73.6	7.89	320	5.53	10.9
8/8/2014	17:30:00	73.7	7.91	320	5.69	10.9
8/8/2014	18:00:00	73.5	7.91	320	5.63	10.9
8/8/2014	18:30:00	73.5	7.91	320	5.69	10.8
8/8/2014	19:00:00	73.6	7.93	320	5.81	10.8
8/8/2014	19:30:00	73.8	7.96	319	6	10.8
8/8/2014	20:00:00	73.8	7.96	320	5.98	10.8
8/8/2014	20:30:00	74.1	8	320	6.24	10.8
8/8/2014	21:00:00	74.2	8.01	319	6.38	10.8
8/8/2014	21:30:00	74.3	8.03	319	6.51	10.8
8/8/2014	22:00:00	74.4	8.07	319	6.75	10.8
8/8/2014	22:30:00	74.5	8.1	319	6.89	10.8
8/8/2014	23:00:00	74.6	8.11	319	7.01	10.8
8/8/2014	23:30:00	74.6	8.12	318	7.1	10.8
8/9/2014	0:00:00	74.6	8.14	318	7.09	10.8
8/9/2014	0:30:00	74.6	8.14	318	7.12	10.8
8/9/2014	1:00:00	74.6	8.17	318	7.24	10.8
8/9/2014	1:30:00	74.6	8.17	318	7.28	10.8
8/9/2014	2:00:00	74.6	8.17	318	7.23	10.8
8/9/2014	2:30:00	74.5	8.18	318	7.3	10.8
8/9/2014	3:00:00	74.5	8.17	318	7.27	10.8
8/9/2014	3:30:00	74.5	8.17	318	7.26	10.8
8/9/2014	4:00:00	74.5	8.16	318	7.21	10.8
8/9/2014	4:30:00	74.4	8.16	318	7.13	10.8
8/9/2014	5:00:00	74.4	8.15	318	7.09	10.8
8/9/2014	5:30:00	74.4	8.14	318	7.04	10.8
8/9/2014	6:00:00	74.3	8.13	318	7	10.8
8/9/2014	6:30:00	74.3	8.12	318	6.96	10.8
8/9/2014	7:00:00	74.3	8.12	318	6.92	10.8
8/9/2014	7:30:00	74.2	8.11	319	6.83	10.8
8/9/2014	8:00:00	74.2	8.09	318	6.73	10.8
8/9/2014	8:30:00	74.2	8.08	319	6.67	10.8
8/9/2014	9:00:00	74.2	8.06	318	6.54	10.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/9/2014	9:30:00	74.2	8.03	319	6.41	10.8
8/9/2014	10:00:00	74.2	8.02	319	6.32	10.8
8/9/2014	10:30:00	74.4	8.04	319	6.47	10.8
8/9/2014	11:00:00	74.5	8.05	319	6.49	10.8
8/9/2014	11:30:00	74.5	8.04	319	6.5	10.8
8/9/2014	12:00:00	74.4	8.03	319	6.42	10.8
8/9/2014	12:30:00	74.4	8.02	320	6.34	10.8
8/9/2014	13:00:00	74.3	8.02	320	6.39	10.8
8/9/2014	13:30:00	74.1	8.01	320	6.3	10.8
8/9/2014	14:00:00	74	7.98	320	6.08	10.8
8/9/2014	14:30:00	74	7.95	320	5.93	10.8
8/9/2014	15:00:00	73.8	7.93	321	5.77	10.8
8/9/2014	15:30:00	73.8	7.92	320	5.74	10.8
8/9/2014	16:00:00	73.8	7.94	321	5.86	10.8
8/9/2014	16:30:00	73.8	7.93	321	5.8	10.8
8/9/2014	17:00:00	73.8	7.92	321	5.68	10.8
8/9/2014	17:30:00	73.8	7.93	321	5.81	10.8
8/9/2014	18:00:00	74	7.95	321	5.97	10.8
8/9/2014	18:30:00	74.1	7.97	321	6.11	10.8
8/9/2014	19:00:00	74.2	7.99	320	6.18	10.8
8/9/2014	19:30:00	74.4	8.01	320	6.32	10.8
8/9/2014	20:00:00	74.6	8.05	320	6.65	10.8
8/9/2014	20:30:00	74.9	8.1	319	6.92	10.8
8/9/2014	21:00:00	75.1	8.13	319	7.07	10.8
8/9/2014	21:30:00	75.1	8.13	319	7.04	10.8
8/9/2014	22:00:00	75.1	8.14	319	7.1	10.8
8/9/2014	22:30:00	75.1	8.13	319	7.08	10.8
8/9/2014	23:00:00	75.1	8.15	318	7.14	10.8
8/9/2014	23:30:00	75	8.14	319	7.04	10.8
8/10/2014	0:00:00	75	8.14	319	7.08	10.8
8/10/2014	0:30:00	75	8.14	319	7.03	10.8
8/10/2014	1:00:00	75	8.14	319	7.02	10.8
8/10/2014	1:30:00	75	8.14	318	7.07	10.8
8/10/2014	2:00:00	75	8.15	319	7.1	10.8
8/10/2014	2:30:00	75	8.15	318	7.15	10.8
8/10/2014	3:00:00	74.9	8.14	318	7.07	10.8
8/10/2014	3:30:00	74.9	8.14	319	7	10.8
8/10/2014	4:00:00	74.9	8.13	319	7.02	10.8
8/10/2014	4:30:00	74.9	8.13	319	6.96	10.8
8/10/2014	5:00:00	74.8	8.11	319	6.89	10.8
8/10/2014	5:30:00	74.8	8.1	319	6.76	10.8
8/10/2014	6:00:00	74.7	8.08	319	6.71	10.8
8/10/2014	6:30:00	74.7	8.07	319	6.61	10.8
8/10/2014	7:00:00	74.7	8.06	320	6.56	10.8
8/10/2014	7:30:00	74.6	8.05	320	6.5	10.8
8/10/2014	8:00:00	74.6	8.05	319	6.45	10.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/10/2014	8:30:00	74.6	8.04	320	6.44	10.8
8/10/2014	9:00:00	74.6	8.02	319	6.32	10.8
8/10/2014	9:30:00	74.7	8.02	319	6.33	10.8
8/10/2014	10:00:00	74.7	8.02	319	6.36	10.8
8/10/2014	10:30:00	74.8	8.03	319	6.34	10.8
8/10/2014	11:00:00	74.8	8.03	320	6.37	10.8
8/10/2014	11:30:00	74.7	8	320	6.15	10.8
8/10/2014	12:00:00	74.6	7.99	320	6.09	10.8
8/10/2014	12:30:00	74.5	7.97	321	5.99	10.8
8/10/2014	13:00:00	74.4	7.96	320	5.97	10.8
8/10/2014	13:30:00	74.4	7.96	321	5.95	10.8
8/10/2014	14:00:00	74.3	7.95	320	5.81	10.8
8/10/2014	14:30:00	74.2	7.94	321	5.79	10.8
8/10/2014	15:00:00	74.2	7.92	321	5.67	10.8
8/10/2014	15:30:00	74.1	7.91	321	5.63	10.8
8/10/2014	16:00:00	73.9	7.89	321	5.5	10.8
8/10/2014	16:30:00	73.9	7.89	322	5.47	10.8
8/10/2014	17:00:00	73.9	7.89	322	5.46	10.8
8/10/2014	17:30:00	73.9	7.89	321	5.5	10.8
8/10/2014	18:00:00	73.9	7.9	322	5.5	10.8
8/10/2014	18:30:00	74.2	7.94	321	5.89	10.8
8/10/2014	19:00:00	74.3	7.98	321	6.09	10.8
8/10/2014	19:30:00	74.4	7.99	321	6.13	10.8
8/10/2014	20:00:00	74.6	8.02	321	6.33	10.8
8/10/2014	20:30:00	74.7	8.03	321	6.43	10.8
8/10/2014	21:00:00	74.7	8.04	320	6.52	10.8
8/10/2014	21:30:00	74.8	8.06	320	6.58	10.8
8/10/2014	22:00:00	74.8	8.06	320	6.56	10.8
8/10/2014	22:30:00	74.9	8.06	320	6.59	10.8
8/10/2014	23:00:00	74.9	8.07	320	6.64	10.8
8/10/2014	23:30:00	74.9	8.07	320	6.7	10.8
8/11/2014	0:00:00	74.9	8.08	320	6.6	10.8
8/11/2014	0:30:00	74.9	8.08	320	6.77	10.8
8/11/2014	1:00:00	74.9	8.08	320	6.71	10.8
8/11/2014	1:30:00	74.9	8.08	320	6.78	10.8
8/11/2014	2:00:00	74.8	8.08	320	6.66	10.8
8/11/2014	2:30:00	74.8	8.08	320	6.72	10.8
8/11/2014	3:00:00	74.8	8.08	320	6.74	10.8
8/11/2014	3:30:00	74.8	8.07	320	6.7	10.8
8/11/2014	4:00:00	74.7	8.07	320	6.63	10.8
8/11/2014	4:30:00	74.7	8.06	320	6.56	10.8
8/11/2014	5:00:00	74.7	8.07	320	6.61	10.8
8/11/2014	5:30:00	74.7	8.06	320	6.5	10.8
8/11/2014	6:00:00	74.6	8.05	320	6.46	10.8
8/11/2014	6:30:00	74.6	8.04	320	6.45	10.7
8/11/2014	7:00:00	74.5	8.05	320	6.43	10.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/11/2014	7:30:00	74.5	8.04	320	6.4	10.8
8/11/2014	8:00:00	74.5	8.02	320	6.35	10.8
8/11/2014	8:30:00	74.5	8.01	320	6.28	10.8
8/11/2014	9:00:00	74.5	8	320	6.2	10.8
8/11/2014	9:30:00	74.6	8	320	6.2	10.7
8/11/2014	10:00:00	74.7	8.01	320	6.2	10.8
8/11/2014	10:30:00	74.7	8	320	6.16	10.8
8/11/2014	11:00:00	74.8	8.02	321	6.29	10.8
8/11/2014	11:30:00	74.8	8.01	321	6.23	10.7
8/11/2014	12:00:00	74.7	8	321	6.2	10.7
8/11/2014	12:30:00	74.8	8	321	6.19	10.7
8/11/2014	13:00:00	74.7	7.99	321	6.15	10.7
8/11/2014	13:30:00	74.6	7.97	322	6.05	10.7
8/11/2014	14:00:00	74.6	7.98	321	6.09	10.7
8/11/2014	14:30:00	74.5	7.97	322	6.01	10.7
8/11/2014	15:00:00	74.4	7.95	322	5.94	10.7
8/11/2014	15:30:00	74.1	7.92	322	5.63	10.7
8/11/2014	16:00:00	73.9	7.88	322	5.41	10.7
8/11/2014	16:30:00	73.8	7.87	323	5.34	10.7
8/11/2014	17:00:00	73.8	7.87	323	5.33	10.7
8/11/2014	17:30:00	73.9	7.88	322	5.37	10.7
8/11/2014	18:00:00	74	7.9	322	5.5	10.7
8/11/2014	18:30:00	74.2	7.92	322	5.7	10.7
8/11/2014	19:00:00	74.6	7.98	321	6.17	10.7
8/11/2014	19:30:00	74.9	8.03	321	6.41	10.7
8/11/2014	20:00:00	75	8.05	320	6.42	10.7
8/11/2014	20:30:00	74.9	8.04	320	6.42	10.7
8/11/2014	21:00:00	75	8.05	321	6.45	10.7
8/11/2014	21:30:00	75.1	8.07	320	6.61	10.7
8/11/2014	22:00:00	75.1	8.07	320	6.62	10.7
8/11/2014	22:30:00	75.1	8.09	320	6.67	10.7
8/11/2014	23:00:00	75	8.07	320	6.52	10.7
8/11/2014	23:30:00	74.9	8.07	320	6.55	10.7
8/12/2014	0:00:00	74.8	8.06	320	6.51	10.7
8/12/2014	0:30:00	74.8	8.07	320	6.56	10.7
8/12/2014	1:00:00	74.8	8.09	320	6.61	10.7
8/12/2014	1:30:00	74.8	8.09	320	6.65	10.7
8/12/2014	2:00:00	74.7	8.09	319	6.64	10.7
8/12/2014	2:30:00	74.8	8.11	319	6.72	10.7
8/12/2014	3:00:00	74.7	8.11	318	6.65	10.7
8/12/2014	3:30:00	74.6	8.11	318	6.77	10.7
8/12/2014	4:00:00	74.7	8.14	317	6.79	10.7
8/12/2014	4:30:00	74.5	8.15	317	6.91	10.7
8/12/2014	5:00:00	74.4	8.15	317	6.91	10.7
8/12/2014	5:30:00	74.3	8.16	317	6.97	10.7
8/12/2014	6:00:00	74.2	8.13	317	6.77	10.7

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/12/2014	6:30:00	74	8.13	317	6.78	10.7
8/12/2014	7:00:00	73.9	8.13	316	6.74	10.7
8/12/2014	7:30:00	73.9	8.13	317	6.77	10.7
8/12/2014	8:00:00	73.8	8.13	317	6.77	10.7
8/12/2014	8:30:00	73.8	8.12	317	6.71	10.7
8/12/2014	9:00:00	73.7	8.13	318	6.72	10.7
8/12/2014	9:30:00	73.6	8.12	317	6.7	10.7
8/12/2014	10:00:00	73.6	8.12	318	6.67	10.6
8/12/2014	10:30:00	73.6	8.11	317	6.74	10.7
8/12/2014	11:00:00	73.6	8.11	316	6.69	10.6
8/12/2014	11:30:00	73.5	8.11	316	6.72	10.6
8/12/2014	12:00:00	73.5	8.11	317	6.7	10.6
8/12/2014	12:30:00	73.5	8.1	317	6.63	10.6
8/12/2014	13:00:00	73.4	8.09	317	6.55	10.6
8/12/2014	13:30:00	73.4	8.09	317	6.56	10.6
8/12/2014	14:00:00	73.4	8.08	318	6.52	10.6
8/12/2014	14:30:00	73.3	8.06	318	6.4	10.6
8/12/2014	15:00:00	73.3	8.03	318	6.22	10.6
8/12/2014	15:30:00	73.4	8.01	319	6.1	10.6
8/12/2014	16:00:00	73.3	7.97	319	5.78	10.6
8/12/2014	16:30:00	73.2	7.94	320	5.63	10.6
8/12/2014	17:00:00	73.4	7.96	320	5.77	10.6
8/12/2014	17:30:00	73.3	7.96	320	5.79	10.6
8/12/2014	18:00:00	73.3	8	319	6.06	10.6
8/12/2014	18:30:00	73.2	7.99	319	6	10.6
8/12/2014	19:00:00	73	8.01	319	6.1	10.6
8/12/2014	19:30:00	72.9	8.01	319	6.1	10.6
8/12/2014	20:00:00	72.7	8.01	319	6.06	10.6
8/12/2014	20:30:00	72.5	8.01	318	6.14	10.6
8/12/2014	21:00:00	72.4	8.02	318	6.15	10.6
8/12/2014	21:30:00	72.3	8.02	318	6.24	10.6
8/12/2014	22:00:00	72.3	8.02	318	6.24	10.6
8/12/2014	22:30:00	72.2	8.02	318	6.2	10.6
8/12/2014	23:00:00	72.1	8.02	318	6.19	10.6
8/12/2014	23:30:00	72.1	8.02	318	6.23	10.6
8/13/2014	0:00:00	72	8.02	318	6.22	10.6
8/13/2014	0:30:00	72	8.01	318	6.17	10.6
8/13/2014	1:00:00	71.9	8.01	317	6.21	10.6
8/13/2014	1:30:00	71.9	8.02	317	6.28	10.6
8/13/2014	2:00:00	71.8	8.02	317	6.22	10.6
8/13/2014	2:30:00	71.7	8.01	318	6.21	10.5
8/13/2014	3:00:00	71.7	8	318	6.18	10.6
8/13/2014	3:30:00	71.6	7.99	318	6.12	10.6
8/13/2014	4:00:00	71.6	7.99	318	6.09	10.6
8/13/2014	4:30:00	71.5	7.99	318	6.06	10.6
8/13/2014	5:00:00	71.5	7.99	318	6.07	10.6

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/13/2014	5:30:00	71.5	7.99	318	6.1	10.6
8/13/2014	6:00:00	71.4	7.97	318	5.97	10.6
8/13/2014	6:30:00	71.3	7.97	318	5.96	10.6
8/13/2014	7:00:00	71.2	7.96	318	5.94	10.6
8/13/2014	7:30:00	71.1	7.95	318	5.86	10.6
8/13/2014	8:00:00	71.1	7.94	319	5.8	10.6
8/13/2014	8:30:00	71.1	7.95	318	5.9	10.6
8/13/2014	9:00:00	71.1	7.95	319	5.88	10.6
8/13/2014	9:30:00	71.1	7.95	319	5.87	10.6
8/13/2014	10:00:00	71.1	7.95	319	5.89	10.6
8/13/2014	10:30:00	71.1	7.94	319	5.87	10.6
8/13/2014	11:00:00	71.2	7.94	319	5.86	10.5
8/13/2014	11:30:00	71.1	7.94	319	5.88	10.6
8/13/2014	12:00:00	71.1	7.94	319	5.86	10.6
8/13/2014	12:30:00	71.3	7.94	319	5.88	10.5
8/13/2014	13:00:00	71.4	7.94	319	5.91	10.6
8/13/2014	13:30:00	71.7	7.94	319	5.92	10.5
8/13/2014	14:00:00	71.5	7.93	320	5.82	10.5
8/13/2014	14:30:00	71.5	7.93	320	5.77	10.5
8/13/2014	15:00:00	71.5	7.94	319	5.84	10.5
8/13/2014	15:30:00	71.7	7.96	320	5.97	10.5
8/13/2014	16:00:00	71.8	7.97	319	6.06	10.5
8/13/2014	16:30:00	71.6	7.97	319	6.16	10.5
8/13/2014	17:00:00	71.5	7.98	319	6.19	10.6
8/13/2014	17:30:00	71.6	7.99	319	6.27	10.5
8/13/2014	18:00:00	71.6	7.99	319	6.26	10.5
8/13/2014	18:30:00	71.4	7.99	319	6.26	10.5
8/13/2014	19:00:00	71	7.97	319	6.15	10.5
8/13/2014	19:30:00	70.7	7.95	319	6.08	10.5
8/13/2014	20:00:00	70.6	7.95	319	6.02	10.5
8/13/2014	20:30:00	70.6	7.94	319	5.99	10.5
8/13/2014	21:00:00	70.5	7.93	319	5.86	10.5
8/13/2014	21:30:00	70.4	7.92	319	5.84	10.5
8/13/2014	22:00:00	70.3	7.91	319	5.81	10.5
8/13/2014	22:30:00	70.3	7.92	319	5.88	10.5
8/13/2014	23:00:00	70.3	7.92	320	5.87	10.5
8/13/2014	23:30:00	70.2	7.92	319	5.87	10.5
8/14/2014	0:00:00	70.1	7.92	319	5.84	10.5
8/14/2014	0:30:00	70.2	7.93	319	5.9	10.5
8/14/2014	1:00:00	70.1	7.93	320	5.93	10.5
8/14/2014	1:30:00	70.2	7.93	320	5.95	10.5
8/14/2014	2:00:00	70.2	7.94	320	5.99	10.5
8/14/2014	2:30:00	70.2	7.94	320	5.95	10.5
8/14/2014	3:00:00	70.2	7.95	320	6.09	10.5
8/14/2014	3:30:00	70.2	7.95	320	6.12	10.5
8/14/2014	4:00:00	70.2	7.96	320	6.18	10.5

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/14/2014	4:30:00	70.2	7.97	320	6.24	10.5
8/14/2014	5:00:00	70.1	7.97	320	6.25	10.5
8/14/2014	5:30:00	70.1	7.97	319	6.22	10.5
8/14/2014	6:00:00	70.1	7.97	319	6.26	10.5
8/14/2014	6:30:00	70	7.97	320	6.18	10.5
8/14/2014	7:00:00	70	7.97	320	6.25	10.5
8/14/2014	7:30:00	70	7.97	319	6.23	10.5
8/14/2014	8:00:00	70	7.96	320	6.19	10.5
8/14/2014	8:30:00	70	7.96	320	6.16	10.5
8/14/2014	9:00:00	70	7.95	320	6	10.5
8/14/2014	9:30:00	70	7.95	319	6.14	10.5
8/14/2014	10:00:00	70	7.95	319	6.14	10.5
8/14/2014	10:30:00	70	8.05	322	6.22	10.2
8/14/2014	11:00:00	70.1	7.96	321	6.18	10.4
8/14/2014	11:30:00	70.2	7.96	322	6.08	10.4
8/14/2014	12:00:00	70.2	7.95	321	6.13	10.4
8/14/2014	12:30:00	70.2	7.94	322	6.07	10.4
8/14/2014	13:00:00	70.2	7.94	322	6.11	10.4
8/14/2014	13:30:00	70.3	7.95	323	6.15	10.4
8/14/2014	14:00:00	70.4	7.95	323	6.19	10.4
8/14/2014	14:30:00	70.3	7.95	323	6.17	10.4
8/14/2014	15:00:00	70.4	7.96	324	6.26	10.4
8/14/2014	15:30:00	70.5	7.97	324	6.34	10.4
8/14/2014	16:00:00	70.6	7.97	324	6.33	10.4
8/14/2014	16:30:00	70.7	7.97	325	6.38	10.4
8/14/2014	17:00:00	70.9	7.99	324	6.46	10.4
8/14/2014	17:30:00	70.9	8	324	6.56	10.4
8/14/2014	18:00:00	70.8	8	324	6.53	10.4
8/14/2014	18:30:00	70.7	7.99	325	6.5	10.4
8/14/2014	19:00:00	70.6	7.98	324	6.43	10.4
8/14/2014	19:30:00	70.4	7.96	325	6.31	10.4
8/14/2014	20:00:00	70.4	7.96	324	6.24	10.4
8/14/2014	20:30:00	70.3	7.95	325	6.17	10.4
8/14/2014	21:00:00	70.3	7.95	324	6.24	10.4
8/14/2014	21:30:00	70.3	7.95	324	6.21	10.4
8/14/2014	22:00:00	70.4	7.97	324	6.29	10.4
8/14/2014	22:30:00	70.5	7.98	323	6.44	10.4
8/14/2014	23:00:00	70.6	8	324	6.52	10.4
8/14/2014	23:30:00	70.6	8.03	324	6.71	10.4
8/15/2014	0:00:00	70.6	8.03	323	6.75	10.4
8/15/2014	0:30:00	70.6	8.03	323	6.71	10.4
8/15/2014	1:00:00	70.5	8.02	323	6.69	10.4
8/15/2014	1:30:00	70.4	8.01	323	6.63	10.4
8/15/2014	2:00:00	70.2	8	323	6.55	10.4
8/15/2014	2:30:00	70.1	8	324	6.55	10.4
8/15/2014	3:00:00	70	8	323	6.49	10.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/15/2014	3:30:00	70	8	324	6.49	10.4
8/15/2014	4:00:00	69.9	7.99	324	6.47	10.4
8/15/2014	4:30:00	69.9	7.99	324	6.5	10.4
8/15/2014	5:00:00	69.8	7.99	323	6.49	10.4
8/15/2014	5:30:00	69.8	7.99	324	6.47	10.4
8/15/2014	6:00:00	69.7	7.98	324	6.38	10.4
8/15/2014	6:30:00	69.6	7.98	324	6.4	10.4
8/15/2014	7:00:00	69.6	7.98	324	6.39	10.4
8/15/2014	7:30:00	69.5	7.98	324	6.4	10.4
8/15/2014	8:00:00	69.5	7.99	323	6.45	10.4
8/15/2014	8:30:00	69.5	7.99	324	6.48	10.4
8/15/2014	9:00:00	69.5	7.99	324	6.46	10.4
8/15/2014	9:30:00	69.5	7.99	324	6.51	10.4
8/15/2014	10:00:00	69.6	8	323	6.56	10.4
8/15/2014	10:30:00	69.8	8.01	324	6.65	10.4
8/15/2014	11:00:00	69.9	8.02	323	6.74	10.4
8/15/2014	11:30:00	70	8.03	323	6.77	10.4
8/15/2014	12:00:00	70	8.03	324	6.81	10.4
8/15/2014	12:30:00	70	8.03	324	6.77	10.4
8/15/2014	13:00:00	70.1	8.01	324	6.64	10.4
8/15/2014	13:30:00	70.2	8.01	324	6.63	10.4
8/15/2014	14:00:00	70.3	8.01	324	6.68	10.4
8/15/2014	14:30:00	70.3	8.01	324	6.69	10.4
8/15/2014	15:00:00	70.2	8.02	324	6.71	10.4
8/15/2014	15:30:00	70.7	8.03	325	6.81	10.4
8/15/2014	16:00:00	70.6	8.02	324	6.78	10.4
8/15/2014	16:30:00	70.4	8.02	325	6.76	10.4
8/15/2014	17:00:00	70.6	8.03	325	6.81	10.4
8/15/2014	17:30:00	70.6	8.04	324	6.92	10.4
8/15/2014	18:00:00	70.6	8.05	324	6.96	10.4
8/15/2014	18:30:00	70.6	8.04	324	6.92	10.4
8/15/2014	19:00:00	70.5	8.03	324	6.86	10.4
8/15/2014	19:30:00	70.4	8.02	324	6.74	10.4
8/15/2014	20:00:00	70.5	8.03	324	6.89	10.4
8/15/2014	20:30:00	70.5	8.03	324	6.85	10.4
8/15/2014	21:00:00	70.4	8.01	324	6.75	10.4
8/15/2014	21:30:00	70.3	8.01	324	6.71	10.4
8/15/2014	22:00:00	70.2	8	325	6.57	10.4
8/15/2014	22:30:00	70	7.99	325	6.56	10.4
8/15/2014	23:00:00	70.1	8	325	6.65	10.4
8/15/2014	23:30:00	70.1	8.01	324	6.72	10.4
8/16/2014	0:00:00	70	8.01	324	6.73	10.4
8/16/2014	0:30:00	69.9	8.01	324	6.7	10.4
8/16/2014	1:00:00	69.9	8.02	324	6.76	10.4
8/16/2014	1:30:00	69.9	8.02	324	6.76	10.4
8/16/2014	2:00:00	70	8.02	324	6.78	10.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/16/2014	2:30:00	70	8.03	324	6.79	10.4
8/16/2014	3:00:00	70.1	8.04	324	6.86	10.4
8/16/2014	3:30:00	70.1	8.04	323	6.89	10.4
8/16/2014	4:00:00	70	8.04	323	6.89	10.4
8/16/2014	4:30:00	70.1	8.04	324	6.92	10.4
8/16/2014	5:00:00	70	8.03	324	6.83	10.4
8/16/2014	5:30:00	70.1	8.04	324	6.87	10.4
8/16/2014	6:00:00	70.1	8.04	323	6.86	10.4
8/16/2014	6:30:00	70	8.03	323	6.84	10.4
8/16/2014	7:00:00	70	8.04	323	6.89	10.4
8/16/2014	7:30:00	70	8.04	323	6.93	10.4
8/16/2014	8:00:00	70.1	8.04	324	6.92	10.4
8/16/2014	8:30:00	70	8.04	324	6.98	10.4
8/16/2014	9:00:00	70.1	8.05	323	6.98	10.4
8/16/2014	9:30:00	70.2	8.05	323	7	10.4
8/16/2014	10:00:00	70.3	8.07	323	7.15	10.4
8/16/2014	10:30:00	70.4	8.09	323	7.22	10.4
8/16/2014	11:00:00	70.4	8.07	323	7.16	10.4
8/16/2014	11:30:00	70.5	8.07	323	7.18	10.4
8/16/2014	12:00:00	70.6	8.08	323	7.24	10.4
8/16/2014	12:30:00	70.5	8.08	323	7.22	10.4
8/16/2014	13:00:00	70.8	8.1	322	7.32	10.4
8/16/2014	13:30:00	70.9	8.09	323	7.3	10.4
8/16/2014	14:00:00	70.9	8.09	322	7.29	10.4
8/16/2014	14:30:00	71	8.09	323	7.32	10.4
8/16/2014	15:00:00	71	8.09	323	7.33	10.4
8/16/2014	15:30:00	70.7	8.06	323	7.15	10.4
8/16/2014	16:00:00	70.5	8.04	323	7.04	10.4
8/16/2014	16:30:00	70.2	8.03	323	6.96	10.4
8/16/2014	17:00:00	70	8.01	323	6.83	10.4
8/16/2014	17:30:00	69.8	7.99	323	6.68	10.4
8/16/2014	18:00:00	69.6	7.98	324	6.6	10.4
8/16/2014	18:30:00	69.5	7.97	324	6.49	10.4
8/16/2014	19:00:00	69.5	7.98	324	6.53	10.4
8/16/2014	19:30:00	69.5	7.98	323	6.55	10.4
8/16/2014	20:00:00	69.6	7.99	323	6.67	10.4
8/16/2014	20:30:00	69.6	8	323	6.7	10.4
8/16/2014	21:00:00	69.6	8	323	6.73	10.4
8/16/2014	21:30:00	69.6	8	324	6.69	10.4
8/16/2014	22:00:00	69.6	8	324	6.7	10.4
8/16/2014	22:30:00	69.6	8	323	6.7	10.4
8/16/2014	23:00:00	69.6	8	324	6.74	10.4
8/16/2014	23:30:00	69.6	8	324	6.73	10.4
8/17/2014	0:00:00	69.6	7.99	324	6.67	10.4
8/17/2014	0:30:00	69.6	8	324	6.74	10.4
8/17/2014	1:00:00	69.6	8	324	6.76	10.4

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/17/2014	1:30:00	69.6	8	323	6.78	10.4
8/17/2014	2:00:00	69.6	8	324	6.74	10.4
8/17/2014	2:30:00	69.5	8	324	6.74	10.4
8/17/2014	3:00:00	69.5	8.01	324	6.79	10.4
8/17/2014	3:30:00	69.5	8.01	323	6.79	10.4
8/17/2014	4:00:00	69.5	8.01	323	6.8	10.4
8/17/2014	4:30:00	69.5	8	323	6.78	10.4
8/17/2014	5:00:00	69.4	8	324	6.74	10.4
8/17/2014	5:30:00	69.4	8	324	6.72	10.3
8/17/2014	6:00:00	69.4	8	323	6.7	10.3
8/17/2014	6:30:00	69.3	8	323	6.73	10.4
8/17/2014	7:00:00	69.3	8	323	6.71	10.3
8/17/2014	7:30:00	69.3	8	323	6.73	10.3
8/17/2014	8:00:00	69.3	8	323	6.73	10.3
8/17/2014	8:30:00	69.3	8	323	6.69	10.3
8/17/2014	9:00:00	69.2	8	323	6.69	10.3
8/17/2014	9:30:00	69.3	7.99	323	6.71	10.3
8/17/2014	10:00:00	69.3	7.99	323	6.67	10.3
8/17/2014	10:30:00	69.3	7.99	323	6.66	10.3
8/17/2014	11:00:00	69.3	7.99	323	6.61	10.3
8/17/2014	11:30:00	69.3	7.99	323	6.64	10.3
8/17/2014	12:00:00	69.3	7.99	323	6.61	10.3
8/17/2014	12:30:00	69.3	7.98	323	6.63	10.3
8/17/2014	13:00:00	69.3	7.97	323	6.55	10.3
8/17/2014	13:30:00	69.2	7.96	323	6.48	10.3
8/17/2014	14:00:00	69.2	7.95	324	6.46	10.3
8/17/2014	14:30:00	69.2	7.94	324	6.36	10.4
8/17/2014	15:00:00	69.1	7.94	324	6.35	10.3
8/17/2014	15:30:00	69.1	7.95	324	6.39	10.3
8/17/2014	16:00:00	69.1	7.94	324	6.35	10.3
8/17/2014	16:30:00	69	7.94	323	6.31	10.4
8/17/2014	17:00:00	68.9	7.93	323	6.24	10.3
8/17/2014	17:30:00	68.8	7.92	323	6.15	10.3
8/17/2014	18:00:00	68.7	7.91	323	6	10.3
8/17/2014	18:30:00	68.5	7.91	323	5.96	10.3
8/17/2014	19:00:00	68.5	7.92	322	6.1	10.3
8/17/2014	19:30:00	68.5	7.93	323	6.15	10.3
8/17/2014	20:00:00	68.6	7.94	322	6.34	10.3
8/17/2014	20:30:00	68.7	7.95	322	6.42	10.3
8/17/2014	21:00:00	68.7	7.95	322	6.33	10.3
8/17/2014	21:30:00	68.8	7.95	323	6.35	10.3
8/17/2014	22:00:00	68.8	7.97	323	6.51	10.3
8/17/2014	22:30:00	68.9	7.98	322	6.55	10.3
8/17/2014	23:00:00	68.9	7.98	322	6.6	10.3
8/17/2014	23:30:00	68.9	7.98	323	6.63	10.3
8/18/2014	0:00:00	68.9	7.98	322	6.63	10.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/18/2014	0:30:00	68.9	7.98	322	6.64	10.3
8/18/2014	1:00:00	68.9	7.99	322	6.69	10.3
8/18/2014	1:30:00	68.9	7.99	322	6.74	10.3
8/18/2014	2:00:00	68.9	7.99	322	6.76	10.3
8/18/2014	2:30:00	68.8	7.99	322	6.71	10.3
8/18/2014	3:00:00	68.8	7.99	322	6.71	10.3
8/18/2014	3:30:00	68.8	7.99	322	6.72	10.3
8/18/2014	4:00:00	68.8	8	322	6.74	10.3
8/18/2014	4:30:00	68.8	8	322	6.75	10.3
8/18/2014	5:00:00	68.8	8	322	6.78	10.3
8/18/2014	5:30:00	68.8	8	322	6.73	10.3
8/18/2014	6:00:00	68.7	7.99	322	6.72	10.3
8/18/2014	6:30:00	68.7	7.99	321	6.73	10.3
8/18/2014	7:00:00	68.7	7.99	322	6.69	10.3
8/18/2014	7:30:00	68.7	7.99	322	6.68	10.2
8/18/2014	8:00:00	68.7	7.99	322	6.68	10.2
8/18/2014	8:30:00	68.7	7.98	322	6.65	10.3
8/18/2014	9:00:00	68.7	7.98	321	6.64	10.3
8/18/2014	9:30:00	68.7	7.97	322	6.55	10.2
8/18/2014	10:00:00	68.6	7.97	322	6.57	10.2
8/18/2014	10:30:00	68.6	7.96	322	6.49	10.2
8/18/2014	11:00:00	68.6	7.96	321	6.5	10.3
8/18/2014	11:30:00	68.6	7.95	322	6.43	10.3
8/18/2014	12:00:00	68.6	7.94	322	6.37	10.3
8/18/2014	12:30:00	68.6	7.94	322	6.34	10.3
8/18/2014	13:00:00	68.6	7.94	322	6.36	10.2
8/18/2014	13:30:00	68.7	7.94	322	6.32	10.3
8/18/2014	14:00:00	68.6	7.93	322	6.3	10.2
8/18/2014	14:30:00	68.6	7.92	322	6.23	10.3
8/18/2014	15:00:00	68.7	7.92	322	6.22	10.2
8/18/2014	15:30:00	68.6	7.91	322	6.09	10.2
8/18/2014	16:00:00	68.6	7.9	322	6.01	10.3
8/18/2014	16:30:00	68.5	7.9	322	5.99	10.2
8/18/2014	17:00:00	68.5	7.9	323	6.04	10.2
8/18/2014	17:30:00	68.4	7.91	322	6.09	10.2
8/18/2014	18:00:00	68.4	7.89	322	5.94	10.2
8/18/2014	18:30:00	68.3	7.88	323	5.81	10.2
8/18/2014	19:00:00	68.3	7.88	322	5.87	10.2
8/18/2014	19:30:00	68.2	7.93	322	6.19	10.2
8/18/2014	20:00:00	68.1	7.94	322	6.34	10.2
8/18/2014	20:30:00	68.1	7.96	322	6.42	10.2
8/18/2014	21:00:00	68	7.96	321	6.47	10.2
8/18/2014	21:30:00	68.1	7.98	321	6.63	10.2
8/18/2014	22:00:00	68.2	7.98	321	6.63	10.2
8/18/2014	22:30:00	68.2	7.97	322	6.61	10.2
8/18/2014	23:00:00	68.2	7.97	321	6.58	10.2

Water Quality Monitoring Data August 01-19, 2014
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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/18/2014	23:30:00	68.2	7.98	321	6.63	10.2
8/19/2014	0:00:00	68.2	7.98	321	6.66	10.2
8/19/2014	0:30:00	68.2	7.98	321	6.69	10.2
8/19/2014	1:00:00	68.2	7.99	321	6.72	10.2
8/19/2014	1:30:00	68.3	7.99	321	6.71	10.2
8/19/2014	2:00:00	68.2	7.99	321	6.74	10.2
8/19/2014	2:30:00	68.2	7.99	321	6.76	10.2
8/19/2014	3:00:00	68.2	7.99	321	6.73	10.2
8/19/2014	3:30:00	68.1	7.99	320	6.72	10.2
8/19/2014	4:00:00	68.1	7.98	320	6.66	10.2
8/19/2014	4:30:00	68.1	7.97	321	6.61	10.2
8/19/2014	5:00:00	68.1	7.97	321	6.57	10.2
8/19/2014	5:30:00	68	7.96	321	6.55	10.2
8/19/2014	6:00:00	68	7.96	321	6.53	10.2
8/19/2014	6:30:00	67.9	7.95	321	6.49	10.2
8/19/2014	7:00:00	67.9	7.95	321	6.46	10.2
8/19/2014	7:30:00	68	7.95	321	6.49	10.2
8/19/2014	8:00:00	68	7.95	321	6.47	10.2
8/19/2014	8:30:00	68	7.97	321	6.55	10.2
8/19/2014	9:00:00	68.1	7.97	320	6.59	10.2
8/19/2014	9:30:00	68.1	7.97	321	6.6	10.2
8/19/2014	10:00:00	68.2	7.96	320	6.51	10.2
8/19/2014	10:30:00	68.2	7.97	321	6.59	10.2
8/19/2014	11:00:00	68.3	7.98	321	6.61	10.2
Average		72.15	8.03	319.34	6.66	10.79
High		75.10	8.23	325.00	8.21	11.50
Low		67.90	7.87	313.00	5.33	10.20

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Hydrolab MS5 60751

Log File Name : AUG19-SEPT1-OFUP

Setup Date (M/D/YYYY) : 8/19/2014

Setup Time (HH:MM:SS) : 11:30:55

Starting Date (M/D/YYYY) : 8/19/2014

Starting Time (HH:MM:SS) : 12:00:00

Stopping Date (M/D/YYYY) : 8/31/2014

Stopping Time (HH:MM:SS) : 23:30:00

Interval (HH:MM:SS) : 00:30:00

Sensor warmup (HH:MM:SS) : 00:00:30

Circltr warmup (HH:MM:SS) : 00:00:00

Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/19/2014	12:00:00	68.5	7.91	320	6.83	10.1
8/19/2014	12:30:00	68.5	7.92	321	6.9	10.1
8/19/2014	13:00:00	68.6	7.93	321	6.9	10.1
8/19/2014	13:30:00	68.6	7.93	321	6.88	10.1
8/19/2014	14:00:00	68.8	7.95	320	7.02	10.1
8/19/2014	14:30:00	69	7.96	321	7.07	10.1
8/19/2014	15:00:00	69.2	7.98	321	7.16	10.1
8/19/2014	15:30:00	69.2	7.98	321	7.19	10.1
8/19/2014	16:00:00	69.3	7.99	320	7.28	10.1
8/19/2014	16:30:00	69.1	7.99	321	7.23	10.1
8/19/2014	17:00:00	69	7.97	320	7.15	10.1
8/19/2014	17:30:00	68.9	7.96	320	7.05	10.1
8/19/2014	18:00:00	68.9	7.96	321	7.06	10.1
8/19/2014	18:30:00	69.2	7.98	321	7.18	10.1
8/19/2014	19:00:00	69.2	7.98	320	7.14	10.1
8/19/2014	19:30:00	69.2	7.98	320	7.14	10.1
8/19/2014	20:00:00	69.1	7.97	320	7.14	10.1
8/19/2014	20:30:00	69.1	7.97	319	7.1	10.1
8/19/2014	21:00:00	68.9	7.96	320	7.02	10.1
8/19/2014	21:30:00	68.8	7.94	319	6.92	10.1
8/19/2014	22:00:00	68.7	7.93	320	6.85	10.1
8/19/2014	22:30:00	68.6	7.93	319	6.85	10.1
8/19/2014	23:00:00	68.5	7.92	319	6.77	10.1
8/19/2014	23:30:00	68.5	7.93	319	6.83	10.1
8/20/2014	0:00:00	68.5	7.93	320	6.81	10.1
8/20/2014	0:30:00	68.6	7.93	320	6.82	10.1
8/20/2014	1:00:00	68.7	7.94	320	6.94	10.1
8/20/2014	1:30:00	68.6	7.94	319	6.87	10.1
8/20/2014	2:00:00	68.6	7.94	320	6.88	10.1
8/20/2014	2:30:00	68.5	7.93	319	6.87	10.1
8/20/2014	3:00:00	68.4	7.93	319	6.84	10.1
8/20/2014	3:30:00	68.5	7.93	319	6.87	10.1
8/20/2014	4:00:00	68.5	7.93	319	6.87	10.1
8/20/2014	4:30:00	68.5	7.93	320	6.86	10.1

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/20/2014	5:00:00	68.5	7.94	319	6.88	10.1
8/20/2014	5:30:00	68.5	7.93	319	6.83	10.1
8/20/2014	6:00:00	68.4	7.94	320	6.96	10.1
8/20/2014	6:30:00	68.4	7.95	320	7.01	10.1
8/20/2014	7:00:00	68.4	7.97	319	7.1	10.1
8/20/2014	7:30:00	68.5	7.97	319	7.13	10.1
8/20/2014	8:00:00	68.4	7.97	319	7.11	10.1
8/20/2014	8:30:00	68.4	7.96	319	7.11	10.1
8/20/2014	9:00:00	68.4	7.96	319	7.1	10.1
8/20/2014	9:30:00	68.4	7.96	319	7.07	10.1
8/20/2014	10:00:00	68.4	7.96	320	7.1	10.1
8/20/2014	10:30:00	68.3	7.95	320	7.04	10.1
8/20/2014	11:00:00	68.2	7.94	320	6.98	10.1
8/20/2014	11:30:00	68.3	7.95	320	7.06	10.1
8/20/2014	12:00:00	68.2	7.95	320	7.07	10.1
8/20/2014	12:30:00	68.2	7.94	321	7.07	10.1
8/20/2014	13:00:00	68.3	7.94	321	7.12	10.1
8/20/2014	13:30:00	68.4	7.95	321	7.19	10.1
8/20/2014	14:00:00	68.4	7.95	320	7.18	10.1
8/20/2014	14:30:00	68.3	7.94	321	7.14	10.1
8/20/2014	15:00:00	68.4	7.93	321	7.04	10.1
8/20/2014	15:30:00	68.5	7.94	321	7.05	10.1
8/20/2014	16:00:00	68.5	7.94	321	7.09	10.1
8/20/2014	16:30:00	68.7	7.95	321	7.2	10.1
8/20/2014	17:00:00	68.8	7.95	320	7.18	10.1
8/20/2014	17:30:00	69	7.97	321	7.31	10.1
8/20/2014	18:00:00	68.9	7.97	321	7.33	10.1
8/20/2014	18:30:00	69	7.97	320	7.31	10.1
8/20/2014	19:00:00	69	7.96	320	7.14	10.1
8/20/2014	19:30:00	69.1	7.97	321	7.17	10.1
8/20/2014	20:00:00	68.8	7.95	321	7.11	10.1
8/20/2014	20:30:00	68.7	7.93	320	7.07	10.1
8/20/2014	21:00:00	68.5	7.92	321	6.95	10.1
8/20/2014	21:30:00	68.5	7.9	321	6.86	10.1
8/20/2014	22:00:00	68.4	7.89	321	6.75	10.1
8/20/2014	22:30:00	68.5	7.9	321	6.93	10.1
8/20/2014	23:00:00	68.5	7.9	321	6.84	10.1
8/20/2014	23:30:00	68.4	7.89	321	6.71	10.1
8/21/2014	0:00:00	68.5	7.89	321	6.79	10.1
8/21/2014	0:30:00	68.4	7.9	321	6.9	10.1
8/21/2014	1:00:00	68.4	7.9	321	6.84	10.1
8/21/2014	1:30:00	68.4	7.91	321	6.9	10.1
8/21/2014	2:00:00	68.4	7.9	321	6.79	10.1
8/21/2014	2:30:00	68.4	7.9	321	6.8	10.1
8/21/2014	3:00:00	68.4	7.89	320	6.78	10.1
8/21/2014	3:30:00	68.4	7.9	319	6.79	10.1

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/21/2014	4:00:00	68.4	7.89	319	6.78	10.1
8/21/2014	4:30:00	68.4	7.89	319	6.82	10.1
8/21/2014	5:00:00	68.3	7.89	318	6.78	10.1
8/21/2014	5:30:00	68.3	7.88	318	6.69	10.1
8/21/2014	6:00:00	68.2	7.87	318	6.68	10.1
8/21/2014	6:30:00	68.2	7.87	317	6.69	10.1
8/21/2014	7:00:00	68.2	7.88	317	6.76	10.1
8/21/2014	7:30:00	68.2	7.88	317	6.76	10.1
8/21/2014	8:00:00	68.3	7.88	317	6.78	10.1
8/21/2014	8:30:00	68.3	7.87	318	6.73	10.1
8/21/2014	9:00:00	68.3	7.87	317	6.74	10.1
8/21/2014	9:30:00	68.3	7.87	317	6.72	10.1
8/21/2014	10:00:00	68.3	7.86	317	6.67	10.1
8/21/2014	10:30:00	68.2	7.86	317	6.67	10.1
8/21/2014	11:00:00	68.1	7.85	316	6.61	10.1
8/21/2014	11:30:00	68.1	7.85	316	6.63	10.1
8/21/2014	12:00:00	68	7.86	316	6.76	10.1
8/21/2014	12:30:00	68	7.84	316	6.56	10.1
8/21/2014	13:00:00	67.9	7.83	317	6.5	10.1
8/21/2014	13:30:00	67.8	7.83	316	6.54	10.1
8/21/2014	14:00:00	67.8	7.82	316	6.53	10.1
8/21/2014	14:30:00	67.9	7.83	316	6.55	10.1
8/21/2014	15:00:00	68	7.84	316	6.6	10.1
8/21/2014	15:30:00	68	7.84	317	6.6	10.1
8/21/2014	16:00:00	68.1	7.84	317	6.59	10.1
8/21/2014	16:30:00	68.1	7.85	316	6.64	10.1
8/21/2014	17:00:00	68	7.85	315	6.73	10.1
8/21/2014	17:30:00	68	7.86	315	6.82	10.1
8/21/2014	18:00:00	68.1	7.86	315	6.84	10.1
8/21/2014	18:30:00	68.2	7.88	314	6.95	10.1
8/21/2014	19:00:00	68.3	7.89	315	7.01	10.1
8/21/2014	19:30:00	68.3	7.89	314	6.97	10.1
8/21/2014	20:00:00	68.3	7.9	314	7.04	10.1
8/21/2014	20:30:00	68.2	7.89	314	7.03	10.1
8/21/2014	21:00:00	68.2	7.89	313	7.01	10.1
8/21/2014	21:30:00	68.2	7.88	313	6.97	10.1
8/21/2014	22:00:00	68.2	7.88	314	6.95	10.1
8/21/2014	22:30:00	68.2	7.88	314	6.98	10.1
8/21/2014	23:00:00	68.2	7.88	314	6.99	10.1
8/21/2014	23:30:00	68.2	7.89	312	6.96	10.1
8/22/2014	0:00:00	68.1	7.88	312	6.98	10.1
8/22/2014	0:30:00	68.1	7.88	312	6.95	10.1
8/22/2014	1:00:00	68.1	7.88	312	6.96	10.1
8/22/2014	1:30:00	68.1	7.88	311	6.97	10.1
8/22/2014	2:00:00	68.1	7.87	311	6.94	10.1
8/22/2014	2:30:00	68	7.87	312	6.86	10.1

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/22/2014	3:00:00	68	7.87	311	6.84	10.1
8/22/2014	3:30:00	67.9	7.87	311	6.85	10.1
8/22/2014	4:00:00	67.9	7.86	311	6.85	10.1
8/22/2014	4:30:00	67.8	7.86	311	6.81	10.1
8/22/2014	5:00:00	67.8	7.86	311	6.82	10.1
8/22/2014	5:30:00	67.8	7.86	311	6.82	10.1
8/22/2014	6:00:00	67.7	7.86	310	6.78	10.1
8/22/2014	6:30:00	67.7	7.86	311	6.82	10.1
8/22/2014	7:00:00	67.7	7.86	311	6.84	10
8/22/2014	7:30:00	67.6	7.86	311	6.86	10.1
8/22/2014	8:00:00	67.6	7.87	310	6.92	10.1
8/22/2014	8:30:00	67.6	7.88	311	7.05	10.1
8/22/2014	9:00:00	67.6	7.88	310	7.09	10.1
8/22/2014	9:30:00	67.5	7.88	310	7.1	10.1
8/22/2014	10:00:00	67.6	7.89	310	7.15	10.1
8/22/2014	10:30:00	67.5	7.88	310	7.17	10.1
8/22/2014	11:00:00	67.5	7.89	309	7.18	10
8/22/2014	11:30:00	67.4	7.89	309	7.23	10
8/22/2014	12:00:00	67.4	7.88	309	7.21	10
8/22/2014	12:30:00	67.4	7.89	309	7.24	10
8/22/2014	13:00:00	67.4	7.89	308	7.25	10
8/22/2014	13:30:00	67.5	7.88	309	7.21	10
8/22/2014	14:00:00	67.5	7.87	308	7.1	10
8/22/2014	14:30:00	67.5	7.88	308	7.12	10
8/22/2014	15:00:00	67.5	7.88	308	7.21	10
8/22/2014	15:30:00	67.4	7.87	308	7.13	10
8/22/2014	16:00:00	67.4	7.88	308	7.2	10
8/22/2014	16:30:00	67.3	7.87	307	7.21	10
8/22/2014	17:00:00	67.3	7.87	307	7.15	10
8/22/2014	17:30:00	67.3	7.87	306	7.11	10
8/22/2014	18:00:00	67.2	7.86	306	7.09	10
8/22/2014	18:30:00	67.2	7.85	305	7.05	10
8/22/2014	19:00:00	67.3	7.86	305	7.09	10
8/22/2014	19:30:00	67.3	7.86	306	7.01	10
8/22/2014	20:00:00	67.3	7.85	306	7	9.9
8/22/2014	20:30:00	67.4	7.86	306	7.03	9.9
8/22/2014	21:00:00	67.4	7.86	306	7.04	9.9
8/22/2014	21:30:00	67.5	7.86	306	7.01	9.9
8/22/2014	22:00:00	67.6	7.86	307	7.02	9.9
8/22/2014	22:30:00	67.6	7.86	307	7.01	9.9
8/22/2014	23:00:00	67.7	7.86	306	7.04	9.9
8/22/2014	23:30:00	67.8	7.87	307	7.06	9.9
8/23/2014	0:00:00	67.7	7.86	305	7.05	9.9
8/23/2014	0:30:00	67.8	7.87	306	7.06	9.9
8/23/2014	1:00:00	67.9	7.87	306	7.1	9.9
8/23/2014	1:30:00	68	7.88	306	7.13	9.9

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/23/2014	2:00:00	68	7.88	306	7.1	9.9
8/23/2014	2:30:00	68.1	7.87	306	7.11	9.9
8/23/2014	3:00:00	68.2	7.88	305	7.09	9.8
8/23/2014	3:30:00	68.2	7.87	305	7.1	9.9
8/23/2014	4:00:00	68.2	7.87	305	7.1	9.9
8/23/2014	4:30:00	68.2	7.88	305	7.13	9.9
8/23/2014	5:00:00	68.2	7.87	304	7.11	9.8
8/23/2014	5:30:00	68.2	7.87	304	7.05	9.9
8/23/2014	6:00:00	68.2	7.86	303	7.06	9.9
8/23/2014	6:30:00	68.2	7.86	304	7.01	9.8
8/23/2014	7:00:00	68.2	7.86	303	7.04	9.8
8/23/2014	7:30:00	68.3	7.86	303	7	9.9
8/23/2014	8:00:00	68.3	7.86	303	7.04	9.9
8/23/2014	8:30:00	68.2	7.85	303	6.99	9.9
8/23/2014	9:00:00	68.2	7.85	302	6.99	9.8
8/23/2014	9:30:00	68.3	7.85	301	6.98	9.8
8/23/2014	10:00:00	68.3	7.84	300	6.99	9.8
8/23/2014	10:30:00	68.2	7.84	300	7	9.8
8/23/2014	11:00:00	68.3	7.84	299	6.99	9.8
8/23/2014	11:30:00	68.3	7.83	297	6.96	9.8
8/23/2014	12:00:00	68.2	7.82	297	6.93	9.8
8/23/2014	12:30:00	68.2	7.81	295	6.89	9.8
8/23/2014	13:00:00	68.2	7.81	295	6.89	9.8
8/23/2014	13:30:00	68.2	7.81	295	6.89	9.8
8/23/2014	14:00:00	68.2	7.8	294	6.89	9.8
8/23/2014	14:30:00	68.1	7.8	294	6.79	9.7
8/23/2014	15:00:00	68.3	7.8	294	6.85	9.7
8/23/2014	15:30:00	68.2	7.79	294	6.73	9.7
8/23/2014	16:00:00	68.2	7.79	294	6.74	9.8
8/23/2014	16:30:00	68.2	7.78	294	6.65	9.8
8/23/2014	17:00:00	68.2	7.77	294	6.64	9.8
8/23/2014	17:30:00	68.3	7.77	295	6.63	9.7
8/23/2014	18:00:00	68.5	7.79	296	6.74	9.7
8/23/2014	18:30:00	68.7	7.8	295	6.77	9.8
8/23/2014	19:00:00	68.8	7.8	296	6.78	9.7
8/23/2014	19:30:00	68.8	7.8	296	6.75	9.7
8/23/2014	20:00:00	69	7.82	297	6.87	9.7
8/23/2014	20:30:00	69	7.82	298	6.9	9.7
8/23/2014	21:00:00	69.1	7.83	297	6.96	9.7
8/23/2014	21:30:00	69.2	7.84	298	7.01	9.7
8/23/2014	22:00:00	69.3	7.84	297	7.05	9.7
8/23/2014	22:30:00	69.3	7.85	298	7.02	9.7
8/23/2014	23:00:00	69.3	7.85	298	7.05	9.7
8/23/2014	23:30:00	69.3	7.85	298	7.07	9.7
8/24/2014	0:00:00	69.3	7.85	298	7.01	9.7
8/24/2014	0:30:00	69.3	7.85	298	7.02	9.7

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/24/2014	1:00:00	69.3	7.85	299	7.01	9.7
8/24/2014	1:30:00	69.3	7.85	298	6.99	9.7
8/24/2014	2:00:00	69.4	7.85	298	7.01	9.7
8/24/2014	2:30:00	69.4	7.85	299	7.05	9.7
8/24/2014	3:00:00	69.4	7.85	299	7.02	9.7
8/24/2014	3:30:00	69.4	7.85	299	6.98	9.7
8/24/2014	4:00:00	69.4	7.85	299	6.97	9.7
8/24/2014	4:30:00	69.4	7.85	298	6.98	9.7
8/24/2014	5:00:00	69.4	7.84	298	6.96	9.7
8/24/2014	5:30:00	69.4	7.84	298	6.92	9.7
8/24/2014	6:00:00	69.3	7.83	297	6.86	9.7
8/24/2014	6:30:00	69.3	7.82	297	6.79	9.7
8/24/2014	7:00:00	69.3	7.81	297	6.75	9.7
8/24/2014	7:30:00	69.2	7.8	296	6.65	9.7
8/24/2014	8:00:00	69.2	7.79	296	6.59	9.7
8/24/2014	8:30:00	69.1	7.77	296	6.47	9.7
8/24/2014	9:00:00	69	7.75	296	6.33	9.7
8/24/2014	9:30:00	69	7.74	297	6.2	9.7
8/24/2014	10:00:00	68.9	7.74	297	6.18	9.7
8/24/2014	10:30:00	69	7.74	298	6.25	9.7
8/24/2014	11:00:00	69	7.74	298	6.21	9.6
8/24/2014	11:30:00	69.1	7.75	298	6.28	9.7
8/24/2014	12:00:00	69.1	7.75	297	6.3	9.6
8/24/2014	12:30:00	69.1	7.75	297	6.31	9.6
8/24/2014	13:00:00	69.2	7.75	297	6.28	9.6
8/24/2014	13:30:00	69.5	7.75	296	6.33	9.7
8/24/2014	14:00:00	69.5	7.75	297	6.36	9.7
8/24/2014	14:30:00	69.4	7.74	297	6.26	9.6
8/24/2014	15:00:00	69.4	7.75	297	6.3	9.6
8/24/2014	15:30:00	69.5	7.74	297	6.24	9.7
8/24/2014	16:00:00	69.6	7.75	297	6.25	9.6
8/24/2014	16:30:00	69.7	7.75	297	6.3	9.7
8/24/2014	17:00:00	69.7	7.79	298	6.55	9.6
8/24/2014	17:30:00	69.8	7.79	299	6.56	9.7
8/24/2014	18:00:00	70	7.8	298	6.66	9.6
8/24/2014	18:30:00	70.1	7.82	299	6.83	9.6
8/24/2014	19:00:00	70.2	7.82	298	6.83	9.6
8/24/2014	19:30:00	70.2	7.82	298	6.8	9.6
8/24/2014	20:00:00	70.4	7.83	299	6.88	9.6
8/24/2014	20:30:00	70.5	7.83	299	6.91	9.7
8/24/2014	21:00:00	70.6	7.84	298	6.99	9.6
8/24/2014	21:30:00	70.7	7.84	298	6.99	9.6
8/24/2014	22:00:00	70.6	7.84	299	6.99	9.7
8/24/2014	22:30:00	70.7	7.84	298	6.99	9.6
8/24/2014	23:00:00	70.7	7.85	299	7.03	9.6
8/24/2014	23:30:00	70.7	7.84	299	6.93	9.6

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/25/2014	0:00:00	70.7	7.83	300	6.9	9.6
8/25/2014	0:30:00	70.7	7.83	300	6.88	9.6
8/25/2014	1:00:00	70.7	7.83	300	6.85	9.6
8/25/2014	1:30:00	70.7	7.83	299	6.87	9.6
8/25/2014	2:00:00	70.7	7.83	300	6.87	9.6
8/25/2014	2:30:00	70.7	7.83	299	6.9	9.6
8/25/2014	3:00:00	70.7	7.83	299	6.87	9.6
8/25/2014	3:30:00	70.7	7.83	299	6.88	9.6
8/25/2014	4:00:00	70.8	7.84	299	6.9	9.6
8/25/2014	4:30:00	70.8	7.83	300	6.9	9.6
8/25/2014	5:00:00	70.8	7.83	299	6.89	9.6
8/25/2014	5:30:00	70.8	7.83	300	6.83	9.6
8/25/2014	6:00:00	70.9	7.84	299	6.9	9.6
8/25/2014	6:30:00	71	7.85	299	6.99	9.6
8/25/2014	7:00:00	70.9	7.84	299	6.94	9.6
8/25/2014	7:30:00	70.9	7.84	298	6.91	9.6
8/25/2014	8:00:00	70.9	7.84	299	6.88	9.6
8/25/2014	8:30:00	70.8	7.84	299	6.88	9.6
8/25/2014	9:00:00	70.8	7.83	299	6.82	9.6
8/25/2014	9:30:00	70.7	7.81	299	6.68	9.6
8/25/2014	10:00:00	70.7	7.81	299	6.66	9.6
8/25/2014	10:30:00	70.8	7.8	300	6.59	9.6
8/25/2014	11:00:00	70.8	7.79	301	6.5	9.6
8/25/2014	11:30:00	71	7.8	301	6.58	9.5
8/25/2014	12:00:00	71.1	7.8	303	6.58	9.5
8/25/2014	12:30:00	71.3	7.81	303	6.68	9.5
8/25/2014	13:00:00	71.3	7.82	303	6.73	9.5
8/25/2014	13:30:00	71.5	7.83	304	6.74	9.5
8/25/2014	14:00:00	71.7	7.84	303	6.85	9.5
8/25/2014	14:30:00	71.8	7.85	304	6.92	9.5
8/25/2014	15:00:00	72	7.86	304	7.01	9.4
8/25/2014	15:30:00	72.2	7.88	304	7.11	9.5
8/25/2014	16:00:00	72.4	7.9	304	7.26	9.4
8/25/2014	16:30:00	72.6	7.91	304	7.37	9.4
8/25/2014	17:00:00	72.7	7.92	304	7.42	9.4
8/25/2014	17:30:00	72.7	7.92	303	7.41	9.4
8/25/2014	18:00:00	72.7	7.91	304	7.38	9.4
8/25/2014	18:30:00	72.6	7.91	304	7.34	9.4
8/25/2014	19:00:00	72.7	7.92	302	7.39	9.4
8/25/2014	19:30:00	72.8	7.92	303	7.42	9.4
8/25/2014	20:00:00	72.5	7.89	303	7.22	9.4
8/25/2014	20:30:00	72.4	7.89	304	7.16	9.4
8/25/2014	21:00:00	72.4	7.87	304	7.06	9.4
8/25/2014	21:30:00	72.2	7.86	304	7.03	9.4
8/25/2014	22:00:00	72.1	7.85	305	6.94	9.4
8/25/2014	22:30:00	72.1	7.85	304	6.96	9.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/25/2014	23:00:00	72.1	7.85	305	6.91	9.3
8/25/2014	23:30:00	72.1	7.85	305	6.9	9.3
8/26/2014	0:00:00	72.1	7.86	305	6.94	9.3
8/26/2014	0:30:00	72.2	7.86	305	6.96	9.3
8/26/2014	1:00:00	72.2	7.86	306	6.98	9.3
8/26/2014	1:30:00	72.2	7.87	306	7	9.3
8/26/2014	2:00:00	72.4	7.89	306	7.1	9.3
8/26/2014	2:30:00	72.4	7.89	306	7.08	9.3
8/26/2014	3:00:00	72.4	7.89	306	7.07	9.3
8/26/2014	3:30:00	72.5	7.9	306	7.12	9.3
8/26/2014	4:00:00	72.4	7.9	307	7.15	9.3
8/26/2014	4:30:00	72.4	7.9	306	7.09	9.3
8/26/2014	5:00:00	72.3	7.89	306	7.06	9.3
8/26/2014	5:30:00	72.3	7.89	307	7.02	9.2
8/26/2014	6:00:00	72.2	7.88	307	6.96	9.2
8/26/2014	6:30:00	72.2	7.88	307	6.94	9.2
8/26/2014	7:00:00	72.2	7.88	307	6.97	9.2
8/26/2014	7:30:00	72.2	7.89	307	6.96	9.1
8/26/2014	8:00:00	72.2	7.88	307	6.94	9.1
8/26/2014	8:30:00	72.2	7.88	308	6.94	9.1
8/26/2014	9:00:00	72.3	7.89	307	7.02	9.1
8/26/2014	9:30:00	72.5	7.92	308	7.14	9.1
8/26/2014	10:00:00	72.6	7.94	309	7.21	9
8/26/2014	10:30:00	72.7	7.95	309	7.35	9
8/26/2014	11:00:00	72.7	7.95	309	7.32	9
8/26/2014	11:30:00	72.7	7.94	308	7.3	9
8/26/2014	12:00:00	72.9	7.95	308	7.37	9
8/26/2014	12:30:00	73.1	7.96	307	7.46	9
8/26/2014	13:00:00	73.2	7.95	308	7.39	9
8/26/2014	13:30:00	73.1	7.91	309	7.12	9
8/26/2014	14:00:00	73.2	7.92	310	7.19	9
8/26/2014	14:30:00	73.1	7.92	309	7.14	9
8/26/2014	15:00:00	73.1	7.91	310	7.1	9
8/26/2014	15:30:00	73.1	7.91	310	7.11	9
8/26/2014	16:00:00	73.2	7.91	309	7.14	9
8/26/2014	16:30:00	73.4	7.94	310	7.31	9
8/26/2014	17:00:00	73.5	7.95	311	7.41	9
8/26/2014	17:30:00	73.5	7.95	310	7.37	9
8/26/2014	18:00:00	73.6	7.96	311	7.44	9
8/26/2014	18:30:00	73.5	7.95	312	7.34	8.9
8/26/2014	19:00:00	73.4	7.94	312	7.25	9
8/26/2014	19:30:00	73.1	7.91	312	6.99	9
8/26/2014	20:00:00	73.1	7.9	312	6.98	8.9
8/26/2014	20:30:00	73	7.89	312	6.92	8.9
8/26/2014	21:00:00	72.9	7.88	313	6.84	8.9
8/26/2014	21:30:00	72.8	7.88	312	6.78	8.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/26/2014	22:00:00	72.8	7.89	313	6.87	8.8
8/26/2014	22:30:00	72.8	7.89	314	6.85	8.8
8/26/2014	23:00:00	72.8	7.88	314	6.8	8.8
8/26/2014	23:30:00	72.9	7.9	314	6.87	8.8
8/27/2014	0:00:00	72.8	7.89	314	6.87	8.8
8/27/2014	0:30:00	72.8	7.89	313	6.85	8.7
8/27/2014	1:00:00	72.7	7.89	313	6.82	8.7
8/27/2014	1:30:00	72.7	7.89	314	6.86	8.7
8/27/2014	2:00:00	72.7	7.89	313	6.89	8.7
8/27/2014	2:30:00	72.7	7.9	314	6.86	8.7
8/27/2014	3:00:00	72.6	7.89	314	6.86	8.7
8/27/2014	3:30:00	72.6	7.9	314	6.87	8.7
8/27/2014	4:00:00	72.6	7.9	314	6.88	8.7
8/27/2014	4:30:00	72.6	7.89	313	6.85	8.7
8/27/2014	5:00:00	72.5	7.89	313	6.83	8.7
8/27/2014	5:30:00	72.4	7.88	314	6.78	8.7
8/27/2014	6:00:00	72.4	7.88	313	6.74	8.7
8/27/2014	6:30:00	72.3	7.87	314	6.72	8.7
8/27/2014	7:00:00	72.3	7.87	313	6.67	8.6
8/27/2014	7:30:00	72.3	7.87	314	6.65	8.6
8/27/2014	8:00:00	72.3	7.86	314	6.61	8.6
8/27/2014	8:30:00	72.3	7.86	314	6.6	8.6
8/27/2014	9:00:00	72.2	7.86	315	6.56	8.5
8/27/2014	9:30:00	72.2	7.86	314	6.55	8.5
8/27/2014	10:00:00	72.2	7.86	315	6.56	8.5
8/27/2014	10:30:00	72.3	7.85	314	6.54	8.5
8/27/2014	11:00:00	72.4	7.85	315	6.48	8.5
8/27/2014	11:30:00	72.5	7.86	315	6.49	8.5
8/27/2014	12:00:00	72.4	7.84	315	6.44	8.5
8/27/2014	12:30:00	72.6	7.85	315	6.48	8.4
8/27/2014	13:00:00	72.6	7.86	315	6.52	8.4
8/27/2014	13:30:00	72.5	7.86	315	6.56	8.4
8/27/2014	14:00:00	72.6	7.88	315	6.7	8.4
8/27/2014	14:30:00	72.6	7.87	315	6.62	8.4
8/27/2014	15:00:00	72.8	7.87	315	6.66	8.4
8/27/2014	15:30:00	72.7	7.87	315	6.62	8.4
8/27/2014	16:00:00	72.8	7.88	315	6.71	8.4
8/27/2014	16:30:00	73.1	7.91	315	6.9	8.4
8/27/2014	17:00:00	73.1	7.91	316	6.94	8.4
8/27/2014	17:30:00	73.1	7.91	315	6.89	8.4
8/27/2014	18:00:00	73.1	7.9	316	6.88	8.4
8/27/2014	18:30:00	73.1	7.91	316	6.93	8.4
8/27/2014	19:00:00	72.9	7.9	315	6.88	8.4
8/27/2014	19:30:00	72.7	7.89	315	6.74	8.4
8/27/2014	20:00:00	72.6	7.88	315	6.69	8.3
8/27/2014	20:30:00	72.6	7.87	315	6.65	8.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/27/2014	21:00:00	72.5	7.86	315	6.6	8.3
8/27/2014	21:30:00	72.5	7.87	315	6.63	8.3
8/27/2014	22:00:00	72.4	7.87	315	6.6	8.3
8/27/2014	22:30:00	72.4	7.87	315	6.68	8.3
8/27/2014	23:00:00	72.3	7.86	315	6.56	8.3
8/27/2014	23:30:00	72.2	7.85	315	6.47	8.2
8/28/2014	0:00:00	72.1	7.84	315	6.4	8.2
8/28/2014	0:30:00	72.1	7.84	315	6.36	8.2
8/28/2014	1:00:00	72.1	7.84	314	6.4	8.2
8/28/2014	1:30:00	72	7.85	315	6.45	8.2
8/28/2014	2:00:00	72	7.87	314	6.54	8.1
8/28/2014	2:30:00	72	7.87	313	6.57	8.1
8/28/2014	3:00:00	71.9	7.87	314	6.58	8.1
8/28/2014	3:30:00	71.8	7.86	314	6.53	8.1
8/28/2014	4:00:00	71.8	7.86	314	6.52	8.1
8/28/2014	4:30:00	71.8	7.86	314	6.53	8.1
8/28/2014	5:00:00	71.7	7.85	314	6.46	8
8/28/2014	5:30:00	71.7	7.85	314	6.44	8
8/28/2014	6:00:00	71.7	7.86	313	6.47	8
8/28/2014	6:30:00	71.6	7.85	313	6.44	8
8/28/2014	7:00:00	71.6	7.86	313	6.46	8
8/28/2014	7:30:00	71.6	7.86	313	6.47	8
8/28/2014	8:00:00	71.5	7.85	313	6.39	8
8/28/2014	8:30:00	71.5	7.85	313	6.39	8
8/28/2014	9:00:00	71.5	7.85	313	6.39	8
8/28/2014	9:30:00	71.5	7.84	313	6.4	8
8/28/2014	10:00:00	71.4	7.83	313	6.21	8
8/28/2014	10:30:00	71.4	7.83	314	6.18	8
8/28/2014	11:00:00	71.3	7.82	315	6.14	12.2
8/28/2014	11:30:00	71.3	7.83	314	6.17	12.2
8/28/2014	12:00:00	71.2	7.82	315	6.15	12.2
8/28/2014	12:30:00	71	7.81	314	6.05	12.2
8/28/2014	13:00:00	70.9	7.81	314	6.01	12.2
8/28/2014	13:30:00	70.8	7.81	314	6.07	12.2
8/28/2014	14:00:00	70.8	7.82	314	6.14	12.2
8/28/2014	14:30:00	70.8	7.84	313	6.34	12.1
8/28/2014	15:00:00	70.8	7.84	314	6.33	12.1
8/28/2014	15:30:00	70.7	7.84	313	6.35	12.1
8/28/2014	16:00:00	70.6	7.84	314	6.41	12.1
8/28/2014	16:30:00	70.5	7.85	314	6.43	12.1
8/28/2014	17:00:00	70.5	7.85	314	6.49	12.1
8/28/2014	17:30:00	70.4	7.85	313	6.48	12.1
8/28/2014	18:00:00	70.4	7.85	314	6.53	12.1
8/28/2014	18:30:00	70.4	7.85	313	6.5	12.1
8/28/2014	19:00:00	70.4	7.85	313	6.4	12.1
8/28/2014	19:30:00	70.3	7.86	313	6.45	12.1

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/28/2014	20:00:00	70.3	7.85	313	6.39	12.1
8/28/2014	20:30:00	70.3	7.85	313	6.44	12.1
8/28/2014	21:00:00	70.3	7.85	313	6.47	12.1
8/28/2014	21:30:00	70.3	7.86	313	6.49	12.1
8/28/2014	22:00:00	70.4	7.86	313	6.49	12.1
8/28/2014	22:30:00	70.5	7.86	314	6.5	12
8/28/2014	23:00:00	70.5	7.85	314	6.48	12.1
8/28/2014	23:30:00	70.6	7.85	313	6.41	12
8/29/2014	0:00:00	70.5	7.86	313	6.46	12.1
8/29/2014	0:30:00	70.5	7.86	313	6.47	12
8/29/2014	1:00:00	70.5	7.86	314	6.52	12
8/29/2014	1:30:00	70.4	7.86	314	6.47	12
8/29/2014	2:00:00	70.4	7.86	314	6.43	12
8/29/2014	2:30:00	70.4	7.86	313	6.46	12
8/29/2014	3:00:00	70.3	7.85	313	6.44	12
8/29/2014	3:30:00	70.3	7.85	313	6.42	12
8/29/2014	4:00:00	70.2	7.84	313	6.39	12
8/29/2014	4:30:00	70.1	7.86	312	6.46	12
8/29/2014	5:00:00	70.1	7.86	313	6.45	11.9
8/29/2014	5:30:00	70.1	7.86	312	6.45	11.9
8/29/2014	6:00:00	70	7.86	312	6.33	11.9
8/29/2014	6:30:00	69.9	7.85	312	6.27	11.9
8/29/2014	7:00:00	69.9	7.84	313	6.22	11.9
8/29/2014	7:30:00	69.8	7.84	313	6.24	11.9
8/29/2014	8:00:00	69.8	7.84	313	6.27	11.9
8/29/2014	8:30:00	69.8	7.85	312	6.31	11.9
8/29/2014	9:00:00	69.8	7.84	313	6.28	11.9
8/29/2014	9:30:00	69.7	7.83	313	6.23	11.9
8/29/2014	10:00:00	69.7	7.84	313	6.27	11.9
8/29/2014	10:30:00	69.6	7.84	313	6.26	11.8
8/29/2014	11:00:00	69.6	7.83	313	6.25	11.8
8/29/2014	11:30:00	69.5	7.83	313	6.2	11.8
8/29/2014	12:00:00	69.5	7.83	314	6.19	11.8
8/29/2014	12:30:00	69.5	7.83	314	6.22	11.8
8/29/2014	13:00:00	69.5	7.83	313	6.26	11.8
8/29/2014	13:30:00	69.5	7.83	313	6.28	11.8
8/29/2014	14:00:00	69.6	7.83	313	6.31	11.8
8/29/2014	14:30:00	69.6	7.83	313	6.29	11.8
8/29/2014	15:00:00	69.8	7.83	314	6.34	11.8
8/29/2014	15:30:00	70	7.84	313	6.34	11.8
8/29/2014	16:00:00	69.9	7.85	313	6.42	11.8
8/29/2014	16:30:00	69.7	7.85	313	6.47	11.8
8/29/2014	17:00:00	69.5	7.85	313	6.42	11.8
8/29/2014	17:30:00	69.4	7.85	313	6.46	11.8
8/29/2014	18:00:00	69.2	7.84	314	6.36	11.8
8/29/2014	18:30:00	69	7.82	314	6.25	11.8

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/29/2014	19:00:00	69	7.82	314	6.25	11.8
8/29/2014	19:30:00	68.9	7.81	313	6.21	11.8
8/29/2014	20:00:00	68.9	7.83	314	6.34	11.8
8/29/2014	20:30:00	68.8	7.84	313	6.39	11.8
8/29/2014	21:00:00	68.7	7.83	313	6.35	11.8
8/29/2014	21:30:00	68.7	7.84	313	6.43	11.8
8/29/2014	22:00:00	68.7	7.85	313	6.45	11.8
8/29/2014	22:30:00	68.8	7.86	313	6.61	11.8
8/29/2014	23:00:00	69.1	7.88	313	6.67	11.8
8/29/2014	23:30:00	69.1	7.9	313	6.81	11.8
8/30/2014	0:00:00	69.1	7.91	313	6.89	11.8
8/30/2014	0:30:00	69.4	7.92	313	6.93	11.8
8/30/2014	1:00:00	69.6	7.92	314	6.96	11.8
8/30/2014	1:30:00	69.6	7.93	313	7.03	11.7
8/30/2014	2:00:00	69.6	7.93	313	6.98	11.7
8/30/2014	2:30:00	69.5	7.93	313	6.99	11.8
8/30/2014	3:00:00	69.4	7.94	312	7.03	11.7
8/30/2014	3:30:00	69.3	7.93	312	6.99	11.7
8/30/2014	4:00:00	69.3	7.93	312	6.94	11.7
8/30/2014	4:30:00	69.4	7.94	312	7.03	11.7
8/30/2014	5:00:00	69.3	7.92	312	6.92	11.7
8/30/2014	5:30:00	69.1	7.9	313	6.75	11.7
8/30/2014	6:00:00	68.9	7.89	313	6.7	11.7
8/30/2014	6:30:00	68.9	7.88	312	6.63	11.7
8/30/2014	7:00:00	68.8	7.87	313	6.54	11.7
8/30/2014	7:30:00	68.8	7.87	313	6.59	11.7
8/30/2014	8:00:00	68.9	7.87	314	6.6	11.7
8/30/2014	8:30:00	68.9	7.87	313	6.59	11.7
8/30/2014	9:00:00	68.8	7.87	314	6.59	11.7
8/30/2014	9:30:00	68.8	7.87	314	6.64	11.6
8/30/2014	10:00:00	68.8	7.88	314	6.65	11.6
8/30/2014	10:30:00	68.9	7.88	315	6.65	11.6
8/30/2014	11:00:00	69	7.88	315	6.66	11.6
8/30/2014	11:30:00	69.1	7.89	314	6.72	11.6
8/30/2014	12:00:00	69.3	7.91	314	6.87	11.6
8/30/2014	12:30:00	69.6	7.93	314	6.99	11.6
8/30/2014	13:00:00	69.7	7.94	313	7.07	11.6
8/30/2014	13:30:00	69.9	7.95	313	7.13	11.6
8/30/2014	14:00:00	69.8	7.94	314	7.05	11.6
8/30/2014	14:30:00	69.7	7.95	314	7.1	11.6
8/30/2014	15:00:00	69.9	7.95	314	7.18	11.6
8/30/2014	15:30:00	69.8	7.95	314	7.18	11.5
8/30/2014	16:00:00	70	7.97	314	7.22	11.5
8/30/2014	16:30:00	70.3	7.99	314	7.39	11.5
8/30/2014	17:00:00	70.3	7.99	314	7.41	11.5
8/30/2014	17:30:00	70.2	8	314	7.42	11.5

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/30/2014	18:00:00	70.2	7.99	314	7.38	11.5
8/30/2014	18:30:00	70.2	8	314	7.42	11.5
8/30/2014	19:00:00	70	7.98	314	7.35	11.5
8/30/2014	19:30:00	69.9	7.98	314	7.29	11.5
8/30/2014	20:00:00	69.9	7.97	314	7.33	11.5
8/30/2014	20:30:00	69.7	7.96	315	7.27	11.4
8/30/2014	21:00:00	69.7	7.95	315	7.19	11.4
8/30/2014	21:30:00	69.8	7.96	315	7.21	11.4
8/30/2014	22:00:00	69.7	7.97	315	7.27	11.4
8/30/2014	22:30:00	69.6	7.96	315	7.25	11.4
8/30/2014	23:00:00	69.6	7.96	315	7.2	11.4
8/30/2014	23:30:00	69.5	7.94	316	7.15	11.4
8/31/2014	0:00:00	69.5	7.95	316	7.12	11.4
8/31/2014	0:30:00	69.4	7.95	316	7.14	11.4
8/31/2014	1:00:00	69.4	7.94	315	7.08	11.4
8/31/2014	1:30:00	69.4	7.95	315	7.14	11.4
8/31/2014	2:00:00	69.3	7.95	316	7.09	11.4
8/31/2014	2:30:00	69.2	7.94	316	7.07	11.4
8/31/2014	3:00:00	69.2	7.93	315	7.03	11.4
8/31/2014	3:30:00	69.2	7.93	316	7	11.4
8/31/2014	4:00:00	69.1	7.93	316	7.01	11.4
8/31/2014	4:30:00	69.1	7.93	316	7.07	11.4
8/31/2014	5:00:00	69.1	7.94	315	7.06	11.4
8/31/2014	5:30:00	69	7.92	315	7	11.4
8/31/2014	6:00:00	69	7.91	316	6.94	11.4
8/31/2014	6:30:00	68.9	7.9	315	6.91	11.4
8/31/2014	7:00:00	68.9	7.91	316	6.93	11.4
8/31/2014	7:30:00	68.9	7.9	315	6.89	11.4
8/31/2014	8:00:00	68.8	7.9	316	6.88	11.4
8/31/2014	8:30:00	68.9	7.9	315	6.83	11.4
8/31/2014	9:00:00	68.9	7.89	316	6.77	11.4
8/31/2014	9:30:00	68.8	7.89	315	6.79	11.4
8/31/2014	10:00:00	68.8	7.89	316	6.85	11.4
8/31/2014	10:30:00	68.8	7.89	316	6.86	11.4
8/31/2014	11:00:00	68.8	7.88	316	6.8	11.4
8/31/2014	11:30:00	68.8	7.87	316	6.74	11.4
8/31/2014	12:00:00	68.8	7.87	316	6.71	11.3
8/31/2014	12:30:00	68.7	7.87	316	6.8	11.3
8/31/2014	13:00:00	68.7	7.87	316	6.77	11.3
8/31/2014	13:30:00	68.7	7.86	316	6.72	11.3
8/31/2014	14:00:00	68.7	7.86	317	6.77	11.3
8/31/2014	14:30:00	68.6	7.85	317	6.75	11.3
8/31/2014	15:00:00	68.5	7.85	317	6.71	11.3
8/31/2014	15:30:00	68.5	7.85	317	6.72	11.3
8/31/2014	16:00:00	68.5	7.84	317	6.68	11.3
8/31/2014	16:30:00	68.5	7.84	317	6.7	11.3

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond μS/cm	LDO mg/l	IBatt Volts
8/31/2014	17:00:00	68.5	7.84	318	6.63	11.3
8/31/2014	17:30:00	68.4	7.83	317	6.57	11.3
8/31/2014	18:00:00	68.4	7.82	317	6.55	11.2
8/31/2014	18:30:00	68.4	7.82	317	6.57	11.2
8/31/2014	19:00:00	68.3	7.82	317	6.54	11.2
8/31/2014	19:30:00	68.4	7.82	317	6.53	11.2
8/31/2014	20:00:00	68.4	7.82	317	6.53	11.2
8/31/2014	20:30:00	68.3	7.81	317	6.46	11.2
8/31/2014	21:00:00	68.3	7.81	317	6.46	11.2
8/31/2014	21:30:00	68.4	7.82	317	6.51	11.2
8/31/2014	22:00:00	68.5	7.83	317	6.52	11.2
8/31/2014	22:30:00	68.6	7.83	317	6.54	11.2
8/31/2014	23:00:00	68.6	7.83	317	6.55	11.2
8/31/2014	23:30:00	68.7	7.84	316	6.6	11.2
Average		69.81	7.87	310.78	6.82	10.15
High		73.60	8.00	321.00	7.46	12.20
Low		67.20	7.74	294.00	6.01	8.00

Water Quality Monitoring Data
Month of September 2014

APPENDIX C
TAILWATER SAMPLING DATA

Water Quality Monitoring Data September 01-15 , 2014
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Hydrolab MS5 60751 (EQUIP MALFUNCTION)

HANDHELD EQUIP 9-10 TO 9-12

Log File Name : SEPT01-15-OFUP

Setup Date (M/D/YYYY) :09/10/14

Setup Time (HH:MM:SS) : 3:53:42

Starting Date (M/D/YYYY) : 09/10/14

Starting Time (HH:MM:SS) : 00:30:00

Stopping Date (M/D/YYYY) : 9/12/2014

Stopping Time (HH:MM:SS) : 11:00:00

Interval (HH:MM:SS) : 00:30:00

Circltr warmup (HH:MM:SS) : 00:00:00

Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/1/2014	0:30:00	0	0	0	0	0
9/2/2014		0	0	0	0	0
9/3/2014		0	0	0	0	0
9/4/2014		0	0	0	0	0
9/5/2014		0	0	0	0	0
9/6/2014		0	0	0	0	0
9/7/2014		0	0	0	0	0
9/8/2014		0	0	0	0	0
9/9/2014		0	0	0	0	0
9/10/2014	1:00:00	0	0	0	0	0
9/10/2014	3:53:42 PM	18.4	0	0	6.52	0
9/10/2014	5:00:08 PM	18	0	0	6.76	0
9/10/2014	5:30:08 PM	17.9	0	0	6.75	0
9/10/2014	6:00:09 PM	17.8	0	0	6.76	0
9/10/2014	6:30:08 PM	17.8	0	0	6.77	0
9/10/2014	7:00:09 PM	17.8	0	0	6.78	0
9/10/2014	7:30:08 PM	17.7	0	0	6.78	0
9/10/2014	8:00:09 PM	17.7	0	0	6.82	0
9/10/2014	8:30:08 PM	17.7	0	0	6.85	0
9/10/2014	9:00:09 PM	17.6	0	0	6.89	0
9/10/2014	9:30:09 PM	17.6	0	0	6.88	0
9/10/2014	10:00:09 PM	17.5	0	0	6.88	0
9/10/2014	10:30:09 PM	17.4	0	0	6.88	0
9/10/2014	11:00:08 PM	17.4	0	0	6.88	0
9/10/2014	11:30:09 PM	17.4	0	0	6.86	0
9/11/2014	12:00:09 AM	17.3	0	0	6.86	0
9/11/2014	12:30:08 AM	17.3	0	0	6.85	0
9/11/2014	1:00:09 AM	17.2	0	0	6.85	0
9/11/2014	1:30:09 AM	17.2	0	0	6.83	0
9/11/2014	2:00:09 AM	17.2	0	0	6.83	0
9/11/2014	2:30:09 AM	17.1	0	0	6.84	0
9/11/2014	3:00:09 AM	17	0	0	6.84	0
9/11/2014	3:30:09 AM	17	0	0	6.82	0
9/11/2014	4:00:09 AM	16.9	0	0	6.83	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/11/2014	4:30:08 AM	16.8	0	0	6.83	0
9/11/2014	5:00:09 AM	16.7	0	0	6.84	0
9/11/2014	5:30:09 AM	16.7	0	0	6.84	0
9/11/2014	6:00:08 AM	16.6	0	0	6.83	0
9/11/2014	6:30:09 AM	16.5	0	0	6.82	0
9/11/2014	7:00:09 AM	16.5	0	0	6.82	0
9/11/2014	7:30:09 AM	16.4	0	0	6.81	0
9/11/2014	8:00:08 AM	16.3	0	0	6.81	0
9/11/2014	8:30:09 AM	16.3	0	0	6.81	0
9/11/2014	9:00:09 AM	16.2	0	0	6.81	0
9/11/2014	9:30:09 AM	16.2	0	0	6.81	0
9/11/2014	10:00:09 AM	16.1	0	0	6.81	0
9/11/2014	10:30:09 AM	16.1	0	0	6.83	0
9/11/2014	11:00:09 AM	16	0	0	6.83	0
9/11/2014	11:30:09 AM	16	0	0	6.83	0
9/11/2014	12:00:09 PM	16	0	0	6.83	0
9/11/2014	12:30:09 PM	16	0	0	6.82	0
9/11/2014	1:00:09 PM	15.9	0	0	6.8	0
9/11/2014	1:30:09 PM	15.9	0	0	6.82	0
9/11/2014	2:00:09 PM	15.8	0	0	6.84	0
9/11/2014	2:30:09 PM	15.8	0	0	6.85	0
9/11/2014	3:00:09 PM	15.8	0	0	6.86	0
9/11/2014	3:30:09 PM	15.8	0	0	6.85	0
9/11/2014	4:00:08 PM	15.8	0	0	6.88	0
9/11/2014	4:30:09 PM	15.8	0	0	6.88	0
9/11/2014	5:00:09 PM	15.7	0	0	6.86	0
9/11/2014	5:30:09 PM	15.7	0	0	6.92	0
9/11/2014	6:00:08 PM	15.7	0	0	6.91	0
9/11/2014	6:30:09 PM	15.6	0	0	6.89	0
9/11/2014	7:00:09 PM	15.6	0	0	6.91	0
9/11/2014	7:30:09 PM	15.6	0	0	6.98	0
9/11/2014	8:00:09 PM	15.6	0	0	7.03	0
9/11/2014	8:30:09 PM	15.6	0	0	7.05	0
9/11/2014	9:00:09 PM	15.6	0	0	7.08	0
9/11/2014	9:30:09 PM	15.5	0	0	7.09	0
9/11/2014	10:00:09 PM	15.5	0	0	7.11	0
9/11/2014	10:30:09 PM	15.5	0	0	7.13	0
9/11/2014	11:00:09 PM	15.5	0	0	7.16	0
9/11/2014	11:30:08 PM	15.4	0	0	7.16	0
9/12/2014	12:00:09 AM	15.4	0	0	7.16	0
9/12/2014	12:30:09 AM	15.4	0	0	7.16	0
9/12/2014	1:00:09 AM	15.3	0	0	7.15	0
9/12/2014	1:30:09 AM	15.3	0	0	7.15	0
9/12/2014	2:00:09 AM	15.3	0	0	7.19	0
9/12/2014	2:30:08 AM	15.2	0	0	7.2	0
9/12/2014	3:00:09 AM	15.2	0	0	7.21	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/12/2014	3:30:09 AM	15.1	0	0	7.22	0
9/12/2014	4:00:09 AM	15	0	0	7.25	0
9/12/2014	4:30:08 AM	15	0	0	7.26	0
9/12/2014	5:00:09 AM	14.9	0	0	7.26	0
9/12/2014	5:30:08 AM	14.9	0	0	7.24	0
9/12/2014	6:00:09 AM	14.8	0	0	7.25	0
9/12/2014	6:30:09 AM	14.7	0	0	7.26	0
9/12/2014	7:00:09 AM	14.7	0	0	7.27	0
9/12/2014	7:30:09 AM	14.6	0	0	7.29	0
9/12/2014	8:00:08 AM	14.5	0	0	7.31	0
9/12/2014	8:30:09 AM	14.5	0	0	7.32	0
9/12/2014	9:00:09 AM	14.4	0	0	7.33	0
9/12/2014	9:30:09 AM	14.4	0	0	7.33	0
9/12/2014	10:00:09 AM	14.3	0	0	7.34	0
9/12/2014	10:30:08 AM	14.3	0	0	7.34	0
9/12/2014	11:00:09 AM	14.2	0	0	7.35	0
9/12/2014	11:30:09 AM	14.2	0	0	7.36	0
9/12/2014	12:00:08 PM	14.2	0	0	7.35	0
9/12/2014	12:30:09 PM	14.1	0	0	7.38	0
9/12/2014	1:00:09 PM	14.1	0	0	7.41	0
9/12/2014	1:30:09 PM	14	0	0	7.41	0
9/12/2014	2:00:09 PM	13.9	0	0	7.44	0
9/12/2014	2:30:09 PM	13.9	0	0	7.46	0
9/12/2014	3:00:09 PM	13.9	0	0	7.48	0
9/12/2014	3:30:09 PM	13.8	0	0	7.51	0
9/12/2014	4:00:09 PM	13.8	0	0	7.56	0
9/12/2014	6:01:58 PM	13.8	0	0	7.61	0
9/12/2014	6:31:59 PM	13.7	0	0	7.69	0
9/12/2014	7:01:59 PM	13.7	0	0	7.77	0
9/12/2014	7:31:59 PM	13.6	0	0	7.8	0
9/12/2014	8:01:59 PM	13.6	0	0	7.8	0
9/12/2014	8:31:59 PM	13.6	0	0	7.9	0
9/12/2014	9:01:59 PM	13.6	0	0	7.89	0
9/12/2014	9:31:59 PM	13.6	0	0	7.87	0
9/12/2014	10:01:59 PM	13.5	0	0	7.85	0
9/13/2014		0	0	0	0	0
9/14/2014		0	0	0	0	0
9/15/2014		0	0	0	0	0
Average		13.95	0.00	0.00	6.31	0.00
High		18.40	0.00	0.00	7.90	0.00
Low		0.00	0.00	0.00	0.00	0.00

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Hydrolab MS5 60751 (EQUIP MALFUNCTION)

HANDHELD EQUIP 9-22 TO 9-30

Log File Name : SEPT01-15-OFUP

Setup Date (M/D/YYYY) :09/10/14

Setup Time (HH:MM:SS) : 3:53:42

Starting Date (M/D/YYYY) : 09/22/14

Starting Time (HH:MM:SS) : 00:30:00

Stopping Date (M/D/YYYY) : 9/30/2014

Stopping Time (HH:MM:SS) : 11:00:00

Interval (HH:MM:SS) : 00:30:00

Circltr warmup (HH:MM:SS) : 00:00:00

Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/20/2014	10:30:11 PM	14.6	0	0	9.11	0
9/20/2014	11:00:11 PM	14.6	0	0	9.14	0
9/20/2014	11:30:11 PM	14.7	0	0	9.17	0
9/21/2014	12:00:11 AM	14.7	0	0	9.17	0
9/21/2014	12:30:11 AM	14.7	0	0	9.2	0
9/21/2014	1:00:11 AM	14.8	0	0	9.21	0
9/21/2014	1:30:10 AM	14.7	0	0	9.16	0
9/21/2014	2:00:11 AM	14.6	0	0	9.14	0
9/21/2014	2:30:11 AM	14.6	0	0	9.14	0
9/21/2014	3:00:11 AM	14.7	0	0	9.14	0
9/21/2014	3:30:11 AM	14.7	0	0	9.12	0
9/21/2014	4:00:10 AM	14.7	0	0	9.12	0
9/21/2014	4:30:10 AM	14.7	0	0	9.13	0
9/21/2014	5:00:11 AM	14.7	0	0	9.14	0
9/21/2014	5:30:11 AM	14.7	0	0	9.13	0
9/21/2014	6:00:11 AM	14.7	0	0	9.11	0
9/21/2014	6:30:11 AM	14.7	0	0	9.1	0
9/21/2014	7:00:11 AM	14.7	0	0	9.1	0
9/21/2014	7:30:10 AM	14.7	0	0	9.08	0
9/21/2014	8:00:11 AM	14.7	0	0	9.1	0
9/21/2014	8:30:11 AM	14.7	0	0	9.1	0
9/21/2014	9:00:10 AM	14.7	0	0	9.09	0
9/21/2014	9:30:10 AM	14.7	0	0	9.09	0
9/21/2014	10:00:11 AM	14.8	0	0	9.1	0
9/21/2014	10:30:11 AM	14.8	0	0	9.08	0
9/21/2014	11:00:10 AM	14.8	0	0	9.07	0
9/21/2014	11:30:48 AM	14.8	0	0	9.05	0
9/21/2014	12:00:49 PM	14.9	0	0	9.06	0
9/21/2014	12:30:50 PM	14.9	0	0	9.08	0
9/21/2014	1:00:50 PM	14.9	0	0	9.07	0
9/21/2014	1:30:50 PM	14.9	0	0	9.07	0
9/21/2014	2:00:49 PM	15	0	0	9.07	0
9/21/2014	2:30:50 PM	15	0	0	9.03	0
9/21/2014	3:00:50 PM	15	0	0	9.03	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/21/2014	3:30:50 PM	15	0	0	9	0
9/21/2014	4:00:49 PM	15	0	0	9	0
9/21/2014	4:30:50 PM	15	0	0	8.99	0
9/21/2014	5:00:50 PM	15	0	0	8.96	0
9/21/2014	5:30:50 PM	15	0	0	8.96	0
9/21/2014	6:00:49 PM	15	0	0	8.94	0
9/21/2014	6:30:50 PM	15	0	0	8.94	0
9/21/2014	7:00:50 PM	15	0	0	8.94	0
9/21/2014	7:30:50 PM	14.9	0	0	8.87	0
9/21/2014	8:00:50 PM	14.9	0	0	8.87	0
9/21/2014	8:30:49 PM	14.8	0	0	8.77	0
9/21/2014	9:00:49 PM	14.7	0	0	8.73	0
9/21/2014	9:30:50 PM	14.7	0	0	8.73	0
9/21/2014	10:00:50 PM	14.6	0	0	8.7	0
9/21/2014	10:30:50 PM	14.6	0	0	8.71	0
9/21/2014	11:00:50 PM	14.5	0	0	8.7	0
9/21/2014	11:30:50 PM	14.5	0	0	8.73	0
9/22/2014	12:00:50 AM	14.5	0	0	8.71	0
9/22/2014	12:30:50 AM	14.5	0	0	8.7	0
9/22/2014	1:00:50 AM	14.5	0	0	8.69	0
9/22/2014	1:30:50 AM	14.4	0	0	8.7	0
9/22/2014	2:00:50 AM	14.4	0	0	8.69	0
9/22/2014	2:30:50 AM	14.4	0	0	8.68	0
9/22/2014	3:00:50 AM	14.4	0	0	8.68	0
9/22/2014	3:30:49 AM	14.3	0	0	8.71	0
9/22/2014	4:00:50 AM	14.3	0	0	8.72	0
9/22/2014	4:30:49 AM	14.3	0	0	8.71	0
9/22/2014	5:00:49 AM	14.3	0	0	8.72	0
9/22/2014	5:30:50 AM	14.3	0	0	8.7	0
9/22/2014	6:00:50 AM	14.2	0	0	8.7	0
9/22/2014	6:30:50 AM	14.2	0	0	8.71	0
9/22/2014	7:00:49 AM	14.2	0	0	8.73	0
9/22/2014	7:30:50 AM	14.2	0	0	8.72	0
9/22/2014	8:00:50 AM	14.2	0	0	8.72	0
9/22/2014	8:30:50 AM	14.2	0	0	8.71	0
9/22/2014	9:00:50 AM	14.1	0	0	8.71	0
9/22/2014	9:30:50 AM	14.1	0	0	8.7	0
9/22/2014	10:00:50 AM	14.2	0	0	8.69	0
9/22/2014	10:30:50 AM	14.2	0	0	8.68	0
9/22/2014	11:00:50 AM	14.3	0	0	8.68	0
9/22/2014	11:30:50 AM	14.3	0	0	8.7	0
9/22/2014	12:00:50 PM	14.4	0	0	8.71	0
9/22/2014	12:30:50 PM	14.5	0	0	8.73	0
9/22/2014	1:00:50 PM	14.6	0	0	8.76	0
9/22/2014	1:30:49 PM	14.6	0	0	8.76	0
9/22/2014	2:00:49 PM	14.7	0	0	8.8	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/22/2014	2:30:50 PM	14.8	0	0	8.82	0
9/22/2014	3:00:50 PM	15	0	0	8.9	0
9/22/2014	3:30:49 PM	14.9	0	0	8.82	0
9/22/2014	4:00:49 PM	14.8	0	0	8.83	0
9/22/2014	4:30:50 PM	14.7	0	0	8.82	0
9/22/2014	5:00:50 PM	14.8	0	0	8.84	0
9/22/2014	5:30:50 PM	14.8	0	0	8.83	0
9/22/2014	6:00:50 PM	14.6	0	0	8.76	0
9/22/2014	6:30:50 PM	14.5	0	0	8.71	0
9/22/2014	7:00:50 PM	14.5	0	0	8.7	0
9/22/2014	7:30:50 PM	14.4	0	0	8.68	0
9/22/2014	8:00:50 PM	14.4	0	0	8.69	0
9/22/2014	8:30:49 PM	14.3	0	0	8.72	0
9/22/2014	9:00:50 PM	14.3	0	0	8.72	0
9/22/2014	9:30:50 PM	14.2	0	0	8.73	0
9/22/2014	10:00:50 PM	14.2	0	0	8.78	0
9/22/2014	10:30:50 PM	14.2	0	0	8.77	0
9/22/2014	11:00:50 PM	14.2	0	0	8.76	0
9/22/2014	11:30:50 PM	14.2	0	0	8.76	0
9/23/2014	12:00:49 AM	14.2	0	0	8.75	0
9/23/2014	12:30:50 AM	14.1	0	0	8.74	0
9/23/2014	1:00:50 AM	14.1	0	0	8.76	0
9/23/2014	1:30:50 AM	14.1	0	0	8.73	0
9/23/2014	2:00:50 AM	14.1	0	0	8.73	0
9/23/2014	2:30:50 AM	14	0	0	8.76	0
9/23/2014	3:00:50 AM	14.1	0	0	8.75	0
9/23/2014	3:30:50 AM	14	0	0	8.76	0
9/23/2014	4:00:50 AM	14	0	0	8.8	0
9/23/2014	4:30:50 AM	14	0	0	8.83	0
9/23/2014	5:00:50 AM	14	0	0	8.87	0
9/23/2014	5:30:50 AM	14	0	0	8.87	0
9/23/2014	6:00:50 AM	14	0	0	8.87	0
9/23/2014	6:30:50 AM	14	0	0	8.88	0
9/23/2014	7:00:50 AM	13.9	0	0	8.87	0
9/23/2014	7:30:50 AM	13.9	0	0	8.84	0
9/23/2014	8:00:50 AM	13.9	0	0	8.83	0
9/23/2014	8:30:50 AM	13.9	0	0	8.81	0
9/23/2014	9:00:50 AM	13.9	0	0	8.85	0
9/23/2014	9:30:50 AM	13.9	0	0	8.86	0
9/23/2014	10:00:49 AM	13.9	0	0	8.88	0
9/23/2014	10:30:50 AM	14.1	0	0	8.86	0
9/23/2014	11:00:50 AM	14.4	0	0	8.86	0
9/23/2014	11:30:50 AM	14.6	0	0	8.89	0
9/23/2014	12:00:50 PM	14.6	0	0	8.88	0
9/23/2014	12:30:50 PM	14.5	0	0	8.86	0
9/23/2014	1:00:50 PM	14.6	0	0	8.91	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/23/2014	1:30:50 PM	14.8	0	0	8.93	0
9/23/2014	2:00:50 PM	14.7	0	0	8.91	0
9/23/2014	2:30:50 PM	14.7	0	0	8.93	0
9/23/2014	3:00:50 PM	14.7	0	0	8.95	0
9/23/2014	3:30:50 PM	14.7	0	0	8.93	0
9/23/2014	4:00:50 PM	14.6	0	0	8.91	0
9/23/2014	4:30:50 PM	14.6	0	0	8.88	0
9/23/2014	5:00:50 PM	14.6	0	0	8.88	0
9/23/2014	5:30:50 PM	14.6	0	0	8.87	0
9/23/2014	6:00:49 PM	14.7	0	0	8.89	0
9/23/2014	6:30:50 PM	14.7	0	0	8.87	0
9/23/2014	7:00:50 PM	14.7	0	0	8.84	0
9/23/2014	7:30:50 PM	14.7	0	0	8.83	0
9/23/2014	8:00:49 PM	14.6	0	0	8.75	0
9/23/2014	8:30:50 PM	14.5	0	0	8.71	0
9/23/2014	9:00:50 PM	14.5	0	0	8.67	0
9/23/2014	9:30:50 PM	14.4	0	0	8.67	0
9/23/2014	10:00:49 PM	14.5	0	0	8.7	0
9/23/2014	10:30:50 PM	14.5	0	0	8.81	0
9/23/2014	11:00:50 PM	14.4	0	0	8.88	0
9/23/2014	11:30:50 PM	14.4	0	0	8.93	0
9/24/2014	12:00:50 AM	14.4	0	0	8.97	0
9/24/2014	12:30:50 AM	14.4	0	0	9.03	0
9/24/2014	1:00:50 AM	14.4	0	0	9.08	0
9/24/2014	1:30:50 AM	14.4	0	0	9.09	0
9/24/2014	2:00:49 AM	14.5	0	0	9.11	0
9/24/2014	2:30:50 AM	14.5	0	0	9.13	0
9/24/2014	3:00:50 AM	14.4	0	0	9.09	0
9/24/2014	3:30:50 AM	14.4	0	0	9.09	0
9/24/2014	4:00:50 AM	14.4	0	0	9.09	0
9/24/2014	4:30:50 AM	14.4	0	0	9.1	0
9/24/2014	5:00:50 AM	14.4	0	0	9.12	0
9/24/2014	5:30:50 AM	14.4	0	0	9.09	0
9/24/2014	6:00:50 AM	14.4	0	0	9.09	0
9/24/2014	6:30:50 AM	14.5	0	0	9.08	0
9/24/2014	7:00:50 AM	14.5	0	0	9.07	0
9/24/2014	7:30:50 AM	14.5	0	0	9.06	0
9/24/2014	8:00:50 AM	14.5	0	0	9.06	0
9/24/2014	8:30:50 AM	14.5	0	0	9.05	0
9/24/2014	9:00:50 AM	14.5	0	0	9.07	0
9/24/2014	9:30:50 AM	14.5	0	0	9.06	0
9/24/2014	10:00:50 AM	14.5	0	0	9.04	0
9/24/2014	11:00:06 AM	14.5	0	0	9.01	0
9/24/2014	11:30:07 AM	14.5	0	0	9	0
9/24/2014	12:00:08 PM	14.5	0	0	8.99	0
9/24/2014	12:30:08 PM	14.5	0	0	8.98	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/24/2014	1:00:08 PM	14.5	0	0	9	0
9/24/2014	1:30:08 PM	14.5	0	0	9	0
9/24/2014	2:00:08 PM	14.5	0	0	8.95	0
9/24/2014	2:30:08 PM	14.4	0	0	8.89	0
9/24/2014	3:00:08 PM	14.4	0	0	8.82	0
9/24/2014	3:30:08 PM	14.4	0	0	8.76	0
9/24/2014	4:00:08 PM	14.4	0	0	8.78	0
9/24/2014	4:30:07 PM	14.5	0	0	8.82	0
9/24/2014	5:00:08 PM	14.4	0	0	8.73	0
9/24/2014	5:30:07 PM	14.4	0	0	8.72	0
9/24/2014	6:00:08 PM	14.4	0	0	8.71	0
9/24/2014	6:30:07 PM	14.4	0	0	8.7	0
9/24/2014	7:00:08 PM	14.4	0	0	8.71	0
9/24/2014	7:30:07 PM	14.3	0	0	8.72	0
9/24/2014	8:00:08 PM	14.3	0	0	8.81	0
9/24/2014	8:30:08 PM	14.3	0	0	8.86	0
9/24/2014	9:00:08 PM	14.2	0	0	8.92	0
9/24/2014	9:30:07 PM	14.2	0	0	8.99	0
9/24/2014	10:00:08 PM	14.3	0	0	8.98	0
9/24/2014	10:30:08 PM	14.4	0	0	8.97	0
9/24/2014	11:00:08 PM	14.5	0	0	8.98	0
9/24/2014	11:30:08 PM	14.5	0	0	8.99	0
9/25/2014	12:00:08 AM	14.6	0	0	8.98	0
9/25/2014	12:30:08 AM	14.5	0	0	9.01	0
9/25/2014	1:00:08 AM	14.6	0	0	9.03	0
9/25/2014	1:30:08 AM	14.6	0	0	9.02	0
9/25/2014	2:00:08 AM	14.6	0	0	9	0
9/25/2014	2:30:08 AM	14.6	0	0	8.99	0
9/25/2014	3:00:07 AM	14.6	0	0	9.09	0
9/25/2014	3:30:08 AM	14.6	0	0	9.12	0
9/25/2014	4:00:08 AM	14.7	0	0	9.14	0
9/25/2014	4:30:08 AM	14.7	0	0	9.17	0
9/25/2014	5:00:08 AM	14.7	0	0	9.13	0
9/25/2014	5:30:08 AM	14.6	0	0	9.12	0
9/25/2014	6:00:08 AM	14.6	0	0	9.14	0
9/25/2014	6:30:08 AM	14.6	0	0	9.15	0
9/25/2014	7:00:07 AM	14.6	0	0	9.16	0
9/25/2014	7:30:07 AM	14.6	0	0	9.14	0
9/25/2014	8:00:08 AM	14.6	0	0	9.14	0
9/25/2014	8:30:07 AM	14.7	0	0	9.18	0
9/25/2014	9:00:07 AM	14.7	0	0	9.18	0
9/25/2014	9:30:07 AM	14.7	0	0	9.16	0
9/25/2014	10:00:07 AM	14.7	0	0	9.14	0
9/25/2014	10:30:08 AM	14.7	0	0	9.15	0
9/25/2014	11:00:07 AM	14.7	0	0	9.15	0
9/25/2014	11:30:08 AM	14.7	0	0	9.14	0

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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/25/2014	12:00:08 PM	14.7	0	0	9.13	0
9/25/2014	12:30:08 PM	14.7	0	0	9.13	0
9/25/2014	1:00:07 PM	14.7	0	0	9.14	0
9/25/2014	1:30:08 PM	14.7	0	0	9.14	0
9/25/2014	2:00:07 PM	14.7	0	0	9.11	0
9/25/2014	2:30:07 PM	14.6	0	0	9.08	0
9/25/2014	3:00:07 PM	14.6	0	0	9.06	0
9/25/2014	3:30:08 PM	14.6	0	0	9.05	0
9/25/2014	4:00:08 PM	14.6	0	0	9.02	0
9/25/2014	4:30:08 PM	14.5	0	0	8.97	0
9/25/2014	5:00:08 PM	14.5	0	0	8.98	0
9/25/2014	5:30:08 PM	14.5	0	0	8.92	0
9/25/2014	6:00:07 PM	14.4	0	0	8.82	0
9/25/2014	6:30:08 PM	14.4	0	0	8.81	0
9/25/2014	7:00:07 PM	14.5	0	0	8.79	0
9/25/2014	7:30:08 PM	14.5	0	0	8.81	0
9/25/2014	8:00:08 PM	14.5	0	0	8.81	0
9/25/2014	8:30:08 PM	14.5	0	0	8.82	0
9/25/2014	9:00:08 PM	14.6	0	0	8.84	0
9/25/2014	9:30:08 PM	14.8	0	0	8.91	0
9/25/2014	10:00:08 PM	14.9	0	0	8.93	0
9/25/2014	10:30:08 PM	15.1	0	0	9.05	0
9/25/2014	11:00:08 PM	15	0	0	8.95	0
9/25/2014	11:30:08 PM	15.2	0	0	9.02	0
9/26/2014	12:00:08 AM	15.2	0	0	8.98	0
9/26/2014	12:30:08 AM	15.2	0	0	9	0
9/26/2014	1:00:08 AM	15.2	0	0	8.98	0
9/26/2014	1:30:08 AM	15.3	0	0	8.98	0
9/26/2014	2:00:07 AM	15.2	0	0	8.91	0
9/26/2014	2:30:07 AM	15.2	0	0	8.93	0
9/26/2014	3:00:07 AM	15.2	0	0	8.93	0
9/26/2014	3:30:07 AM	15.2	0	0	8.92	0
9/26/2014	4:00:07 AM	15.2	0	0	8.91	0
9/26/2014	4:30:08 AM	15.3	0	0	8.95	0
9/26/2014	5:00:08 AM	15.2	0	0	8.94	0
9/26/2014	5:30:08 AM	15.2	0	0	8.95	0
9/26/2014	6:00:08 AM	15.2	0	0	8.94	0
9/26/2014	6:30:08 AM	15.3	0	0	8.95	0
9/26/2014	7:00:08 AM	15.3	0	0	8.94	0
9/26/2014	7:30:08 AM	15.3	0	0	8.96	0
9/26/2014	8:00:07 AM	15.3	0	0	8.94	0
9/26/2014	8:30:07 AM	15.3	0	0	8.92	0
9/26/2014	9:00:07 AM	15.3	0	0	8.91	0
9/26/2014	9:30:08 AM	15.3	0	0	8.94	0
9/26/2014	10:00:08 AM	15.3	0	0	8.92	0
9/26/2014	10:30:08 AM	15.3	0	0	8.91	0

Water Quality Monitoring Data September 20-30 , 2014
Oconto Falls Upper P-2523
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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/26/2014	11:00:08 AM	15.3	0	0	8.88	0
9/26/2014	11:30:08 AM	15.3	0	0	8.87	0
9/26/2014	12:00:08 PM	15.3	0	0	8.87	0
9/26/2014	12:30:08 PM	15.3	0	0	8.85	0
9/26/2014	1:00:08 PM	15.3	0	0	8.81	0
9/26/2014	1:30:08 PM	15.3	0	0	8.81	0
9/26/2014	2:00:08 PM	15.2	0	0	8.79	0
9/26/2014	2:30:08 PM	15.2	0	0	8.76	0
9/26/2014	3:00:07 PM	15.2	0	0	8.74	0
9/26/2014	3:30:08 PM	15.2	0	0	8.74	0
9/26/2014	4:00:07 PM	15.1	0	0	8.64	0
9/26/2014	4:30:08 PM	15.2	0	0	8.66	0
9/26/2014	5:00:08 PM	15.2	0	0	8.61	0
9/26/2014	5:30:08 PM	15.1	0	0	8.57	0
9/26/2014	6:00:08 PM	15.2	0	0	8.6	0
9/26/2014	6:30:07 PM	15.2	0	0	8.63	0
9/26/2014	7:00:07 PM	15.2	0	0	8.6	0
9/26/2014	7:30:08 PM	15.2	0	0	8.54	0
9/26/2014	8:00:08 PM	15.2	0	0	8.53	0
9/26/2014	8:30:08 PM	15.2	0	0	8.59	0
9/26/2014	9:00:08 PM	15.4	0	0	8.64	0
9/26/2014	9:30:07 PM	15.4	0	0	8.68	0
9/26/2014	10:00:08 PM	15.5	0	0	8.72	0
9/26/2014	10:30:08 PM	15.5	0	0	8.72	0
9/26/2014	11:00:08 PM	15.6	0	0	8.8	0
9/26/2014	11:30:08 PM	15.6	0	0	8.8	0
9/27/2014	12:00:08 AM	15.7	0	0	8.82	0
9/27/2014	12:30:08 AM	15.7	0	0	8.81	0
9/27/2014	1:00:08 AM	15.7	0	0	8.78	0
9/27/2014	1:30:08 AM	15.7	0	0	8.75	0
9/27/2014	2:00:08 AM	15.7	0	0	8.76	0
9/27/2014	2:30:08 AM	15.7	0	0	8.74	0
9/27/2014	3:00:08 AM	15.7	0	0	8.74	0
9/27/2014	3:30:08 AM	15.7	0	0	8.76	0
9/27/2014	4:00:07 AM	15.7	0	0	8.74	0
9/27/2014	4:30:07 AM	15.7	0	0	8.76	0
9/27/2014	5:00:07 AM	15.7	0	0	8.77	0
9/27/2014	5:30:08 AM	15.7	0	0	8.77	0
9/27/2014	6:00:08 AM	15.7	0	0	8.75	0
9/27/2014	6:30:07 AM	15.7	0	0	8.76	0
9/27/2014	7:00:07 AM	15.7	0	0	8.76	0
9/27/2014	7:30:08 AM	15.7	0	0	8.78	0
9/27/2014	8:00:08 AM	15.7	0	0	8.77	0
9/27/2014	8:30:08 AM	15.7	0	0	8.77	0
9/27/2014	9:00:07 AM	15.7	0	0	8.77	0
9/27/2014	9:30:08 AM	15.8	0	0	8.76	0

Water Quality Monitoring Data September 20-30 , 2014
Oconto Falls Upper P-2523
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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/27/2014	10:00:09 AM	15.7	0	0	8.75	0
9/27/2014	10:30:09 AM	15.8	0	0	8.76	0
9/27/2014	11:00:09 AM	15.8	0	0	8.77	0
9/27/2014	11:30:08 AM	15.9	0	0	8.75	0
9/27/2014	12:00:09 PM	15.9	0	0	8.75	0
9/27/2014	12:30:09 PM	15.9	0	0	8.73	0
9/27/2014	1:00:09 PM	15.9	0	0	8.74	0
9/27/2014	1:30:09 PM	15.9	0	0	8.73	0
9/27/2014	2:00:09 PM	15.9	0	0	8.74	0
9/27/2014	2:30:09 PM	16	0	0	8.76	0
9/27/2014	3:00:08 PM	16	0	0	8.72	0
9/27/2014	3:30:09 PM	16	0	0	8.72	0
9/27/2014	4:00:08 PM	16	0	0	8.76	0
9/27/2014	4:30:09 PM	16	0	0	8.74	0
9/27/2014	5:00:08 PM	15.9	0	0	8.68	0
9/27/2014	5:30:09 PM	15.9	0	0	8.63	0
9/27/2014	6:00:09 PM	15.8	0	0	8.6	0
9/27/2014	6:30:09 PM	15.8	0	0	8.58	0
9/27/2014	7:00:09 PM	15.8	0	0	8.6	0
9/27/2014	7:30:08 PM	15.8	0	0	8.58	0
9/27/2014	8:00:09 PM	15.8	0	0	8.6	0
9/27/2014	8:30:09 PM	15.8	0	0	8.57	0
9/27/2014	9:00:09 PM	15.9	0	0	8.56	0
9/27/2014	9:30:09 PM	15.9	0	0	8.55	0
9/27/2014	10:00:09 PM	16	0	0	8.6	0
9/27/2014	10:30:09 PM	16	0	0	8.61	0
9/27/2014	11:00:09 PM	16	0	0	8.61	0
9/27/2014	11:30:09 PM	16	0	0	8.6	0
9/28/2014	12:00:09 AM	16	0	0	8.62	0
9/28/2014	12:30:09 AM	16	0	0	8.54	0
9/28/2014	1:00:09 AM	16.1	0	0	8.59	0
9/28/2014	1:30:09 AM	16	0	0	8.61	0
9/28/2014	2:00:09 AM	16.1	0	0	8.64	0
9/28/2014	2:30:09 AM	16	0	0	8.61	0
9/28/2014	3:00:09 AM	16	0	0	8.6	0
9/28/2014	3:30:08 AM	16	0	0	8.61	0
9/28/2014	4:00:08 AM	16	0	0	8.61	0
9/28/2014	4:30:09 AM	16	0	0	8.61	0
9/28/2014	5:00:09 AM	16.1	0	0	8.61	0
9/28/2014	5:30:09 AM	16.1	0	0	8.62	0
9/28/2014	6:00:09 AM	16.1	0	0	8.63	0
9/28/2014	6:30:08 AM	16.1	0	0	8.62	0
9/28/2014	7:00:09 AM	16.1	0	0	8.66	0
9/28/2014	7:30:09 AM	16.1	0	0	8.67	0
9/28/2014	8:00:09 AM	16.2	0	0	8.66	0
9/28/2014	8:30:09 AM	16.2	0	0	8.67	0

Water Quality Monitoring Data September 20-30 , 2014
Oconto Falls Upper P-2523
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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/28/2014	9:00:09 AM	16.2	0	0	8.7	0
9/28/2014	9:30:09 AM	16.3	0	0	8.7	0
9/28/2014	10:00:09 AM	16.3	0	0	8.69	0
9/28/2014	10:30:09 AM	16.5	0	0	8.75	0
9/28/2014	11:00:09 AM	16.5	0	0	8.7	0
9/28/2014	11:30:09 AM	16.5	0	0	8.73	0
9/28/2014	12:00:09 PM	16.6	0	0	8.8	0
9/28/2014	12:30:09 PM	16.6	0	0	8.72	0
9/28/2014	1:00:08 PM	16.8	0	0	8.7	0
9/28/2014	1:30:09 PM	16.9	0	0	8.78	0
9/28/2014	2:00:09 PM	16.8	0	0	8.8	0
9/28/2014	2:30:08 PM	16.8	0	0	8.74	0
9/28/2014	3:00:09 PM	16.8	0	0	8.69	0
9/28/2014	3:30:08 PM	16.8	0	0	8.68	0
9/28/2014	4:00:08 PM	16.8	0	0	8.68	0
9/28/2014	4:30:09 PM	16.7	0	0	8.7	0
9/28/2014	5:00:09 PM	16.7	0	0	8.66	0
9/28/2014	5:30:09 PM	16.7	0	0	8.7	0
9/28/2014	6:00:08 PM	16.7	0	0	8.72	0
9/28/2014	6:30:09 PM	16.8	0	0	8.73	0
9/28/2014	7:00:09 PM	16.8	0	0	8.72	0
9/28/2014	7:30:08 PM	16.7	0	0	8.55	0
9/28/2014	8:00:09 PM	16.6	0	0	8.49	0
9/28/2014	8:30:09 PM	16.7	0	0	8.5	0
9/28/2014	9:00:09 PM	16.6	0	0	8.47	0
9/28/2014	9:30:09 PM	16.6	0	0	8.43	0
9/28/2014	10:00:08 PM	16.5	0	0	8.42	0
9/28/2014	10:30:09 PM	16.5	0	0	8.39	0
9/28/2014	11:00:09 PM	16.5	0	0	8.41	0
9/28/2014	11:30:09 PM	16.5	0	0	8.42	0
9/29/2014	12:00:09 AM	16.5	0	0	8.42	0
9/29/2014	12:30:09 AM	16.5	0	0	8.44	0
9/29/2014	1:00:09 AM	16.5	0	0	8.45	0
9/29/2014	1:30:09 AM	16.5	0	0	8.41	0
9/29/2014	2:00:09 AM	16.5	0	0	8.37	0
9/29/2014	2:30:09 AM	16.5	0	0	8.36	0
9/29/2014	3:00:09 AM	16.5	0	0	8.39	0
9/29/2014	3:30:09 AM	16.5	0	0	8.41	0
9/29/2014	4:00:09 AM	16.4	0	0	8.38	0
9/29/2014	4:30:09 AM	16.5	0	0	8.4	0
9/29/2014	5:00:09 AM	16.5	0	0	8.41	0
9/29/2014	5:30:08 AM	16.5	0	0	8.41	0
9/29/2014	6:00:09 AM	16.5	0	0	8.41	0
9/29/2014	6:30:08 AM	16.5	0	0	8.43	0
9/29/2014	7:00:09 AM	16.5	0	0	8.43	0
9/29/2014	7:30:09 AM	16.5	0	0	8.46	0

Water Quality Monitoring Data September 20-30 , 2014
Oconto Falls Upper P-2523
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Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/29/2014	8:00:08 AM	16.5	0	0	8.49	0
9/29/2014	8:30:09 AM	16.6	0	0	8.52	0
9/29/2014	9:00:09 AM	16.6	0	0	8.52	0
9/29/2014	9:30:08 AM	16.6	0	0	8.53	0
9/29/2014	10:00:09 AM	16.6	0	0	8.52	0
9/29/2014	10:30:09 AM	16.6	0	0	8.48	0
9/29/2014	11:00:09 AM	16.6	0	0	8.44	0
9/29/2014	11:30:09 AM	16.6	0	0	8.5	0
9/29/2014	12:00:09 PM	16.6	0	0	8.45	0
9/29/2014	12:30:09 PM	16.6	0	0	8.41	0
9/29/2014	1:00:09 PM	16.6	0	0	8.4	0
9/29/2014	1:30:09 PM	16.5	0	0	8.32	0
9/29/2014	2:00:08 PM	16.5	0	0	8.27	0
9/29/2014	2:30:09 PM	16.5	0	0	8.32	0
9/29/2014	3:00:08 PM	16.5	0	0	8.35	0
9/29/2014	3:30:09 PM	16.5	0	0	8.36	0
9/29/2014	4:00:09 PM	16.5	0	0	8.39	0
9/29/2014	4:30:08 PM	16.5	0	0	8.34	0
9/29/2014	5:00:09 PM	16.6	0	0	8.4	0
9/29/2014	5:30:09 PM	16.6	0	0	8.36	0
9/29/2014	6:00:09 PM	16.6	0	0	8.28	0
9/29/2014	6:30:09 PM	16.5	0	0	8.2	0
9/29/2014	7:00:08 PM	16.5	0	0	8.29	0
9/29/2014	7:30:09 PM	16.5	0	0	8.42	0
9/29/2014	8:00:08 PM	16.4	0	0	8.44	0
9/29/2014	8:30:09 PM	16.4	0	0	8.42	0
9/29/2014	9:00:09 PM	16.4	0	0	8.38	0
9/29/2014	9:30:09 PM	16.3	0	0	8.31	0
9/29/2014	10:00:08 PM	16.3	0	0	8.27	0
9/29/2014	10:30:09 PM	16.3	0	0	8.3	0
9/29/2014	11:00:09 PM	16.2	0	0	8.28	0
9/29/2014	11:30:09 PM	16.2	0	0	8.27	0
9/30/2014	12:00:09 AM	16.2	0	0	8.24	0
9/30/2014	12:30:09 AM	16.1	0	0	8.21	0
9/30/2014	1:00:09 AM	16.1	0	0	8.21	0
9/30/2014	1:30:09 AM	16.1	0	0	8.25	0
9/30/2014	2:00:09 AM	16	0	0	8.24	0
9/30/2014	2:30:09 AM	16	0	0	8.18	0
9/30/2014	3:00:09 AM	16	0	0	8.17	0
9/30/2014	3:30:09 AM	15.9	0	0	8.17	0
9/30/2014	4:00:08 AM	15.9	0	0	8.14	0
9/30/2014	4:30:09 AM	15.9	0	0	8.11	0
9/30/2014	5:00:09 AM	15.8	0	0	8.08	0
9/30/2014	5:30:08 AM	15.8	0	0	7.88	0
9/30/2014	6:00:09 AM	15.7	0	0	7.92	0
9/30/2014	6:30:09 AM	15.6	0	0	7.97	0

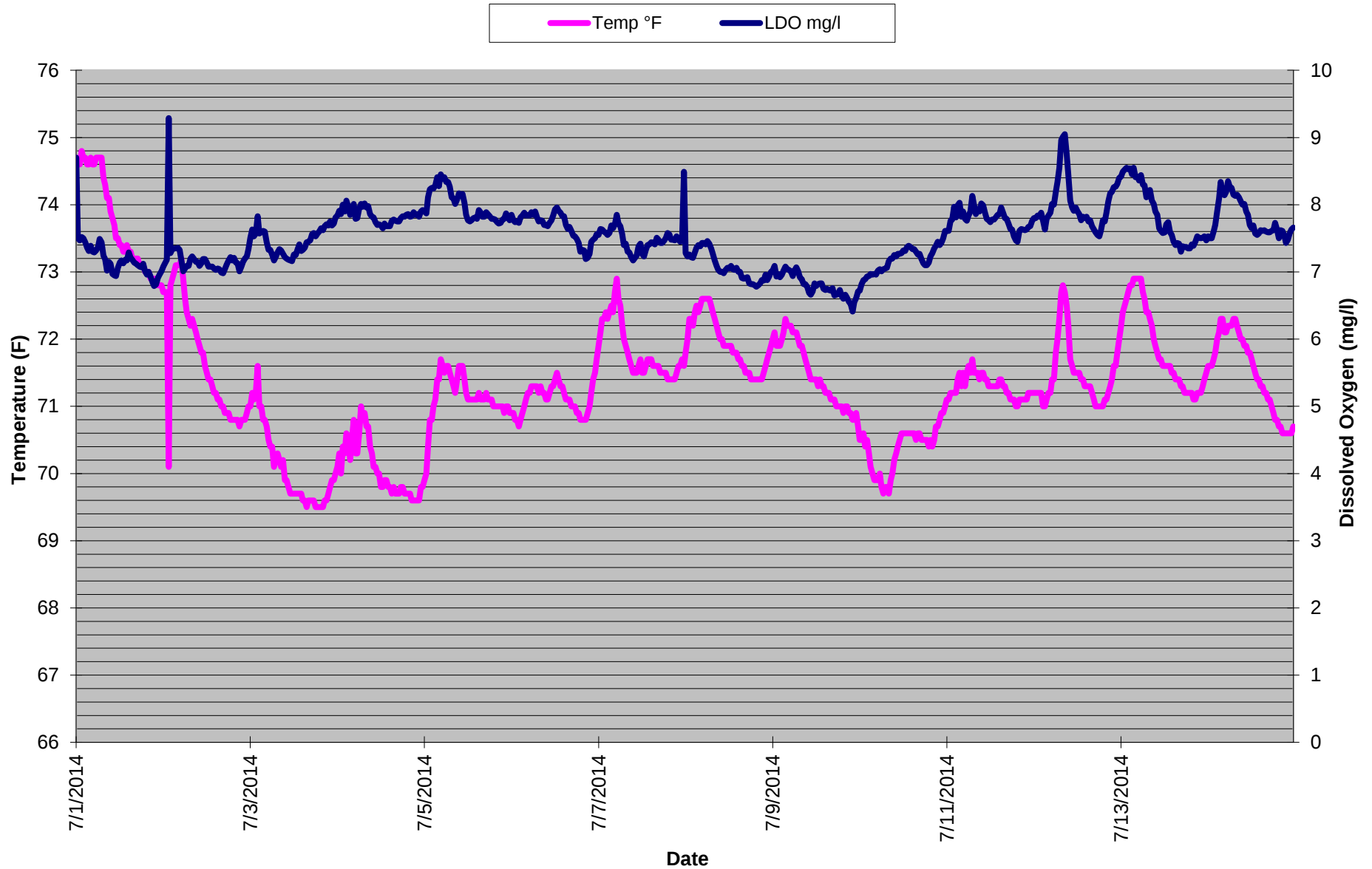
Water Quality Monitoring Data September 20-30 , 2014
Oconto Falls Upper P-2523
License Article #405

Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/30/2014	7:00:09 AM	15.6	0	0	7.95	0
9/30/2014	7:30:09 AM	15.5	0	0	7.95	0
9/30/2014	8:00:09 AM	15.4	0	0	7.96	0
9/30/2014	8:30:09 AM	15.4	0	0	7.92	0
9/30/2014	9:00:09 AM	15.3	0	0	7.89	0
9/30/2014	9:30:09 AM	15.2	0	0	7.87	0
9/30/2014	10:00:09 AM	15.2	0	0	7.97	0
9/30/2014	10:30:09 AM	15.1	0	0	7.98	0
9/30/2014	11:00:09 AM	15	0	0	7.99	0
9/30/2014	11:30:09 AM	15	0	0	7.99	0
9/30/2014	12:00:09 PM	14.9	0	0	8.01	0
9/30/2014	12:30:09 PM	14.9	0	0	8	0
9/30/2014	1:00:09 PM	14.9	0	0	8.01	0
9/30/2014	1:30:09 PM	14.9	0	0	7.96	0
9/30/2014	2:00:09 PM	14.8	0	0	7.91	0
9/30/2014	2:30:09 PM	14.8	0	0	7.91	0
9/30/2014	3:00:09 PM	14.7	0	0	7.91	0
9/30/2014	3:30:09 PM	14.7	0	0	7.93	0
9/30/2014	4:00:09 PM	14.6	0	0	7.93	0
9/30/2014	4:30:09 PM	14.5	0	0	7.9	0
9/30/2014	5:00:09 PM	14.5	0	0	7.99	0
9/30/2014	5:30:09 PM	14.4	0	0	8.07	0
9/30/2014	6:00:08 PM	14.4	0	0	8.09	0
9/30/2014	6:30:09 PM	14.3	0	0	8.09	0
9/30/2014	7:00:09 PM	14.3	0	0	8.07	0
9/30/2014	7:30:09 PM	14.2	0	0	8.04	0
9/30/2014	8:00:09 PM	14.2	0	0	8.08	0
9/30/2014	8:30:09 PM	14.1	0	0	8.15	0
9/30/2014	9:00:09 PM	14.1	0	0	8.14	0
9/30/2014	9:30:09 PM	14.1	0	0	8.12	0
9/30/2014	10:00:09 PM	14.1	0	0	8.13	0
9/30/2014	10:30:09 PM	14.1	0	0	8.11	0
9/30/2014	11:00:09 PM	14.1	0	0	8.05	0
Average		15.16	0.00	0.00	8.72	0.00
High		16.90	0.00	0.00	9.21	0.00
Low		13.90	0.00	0.00	7.87	0.00

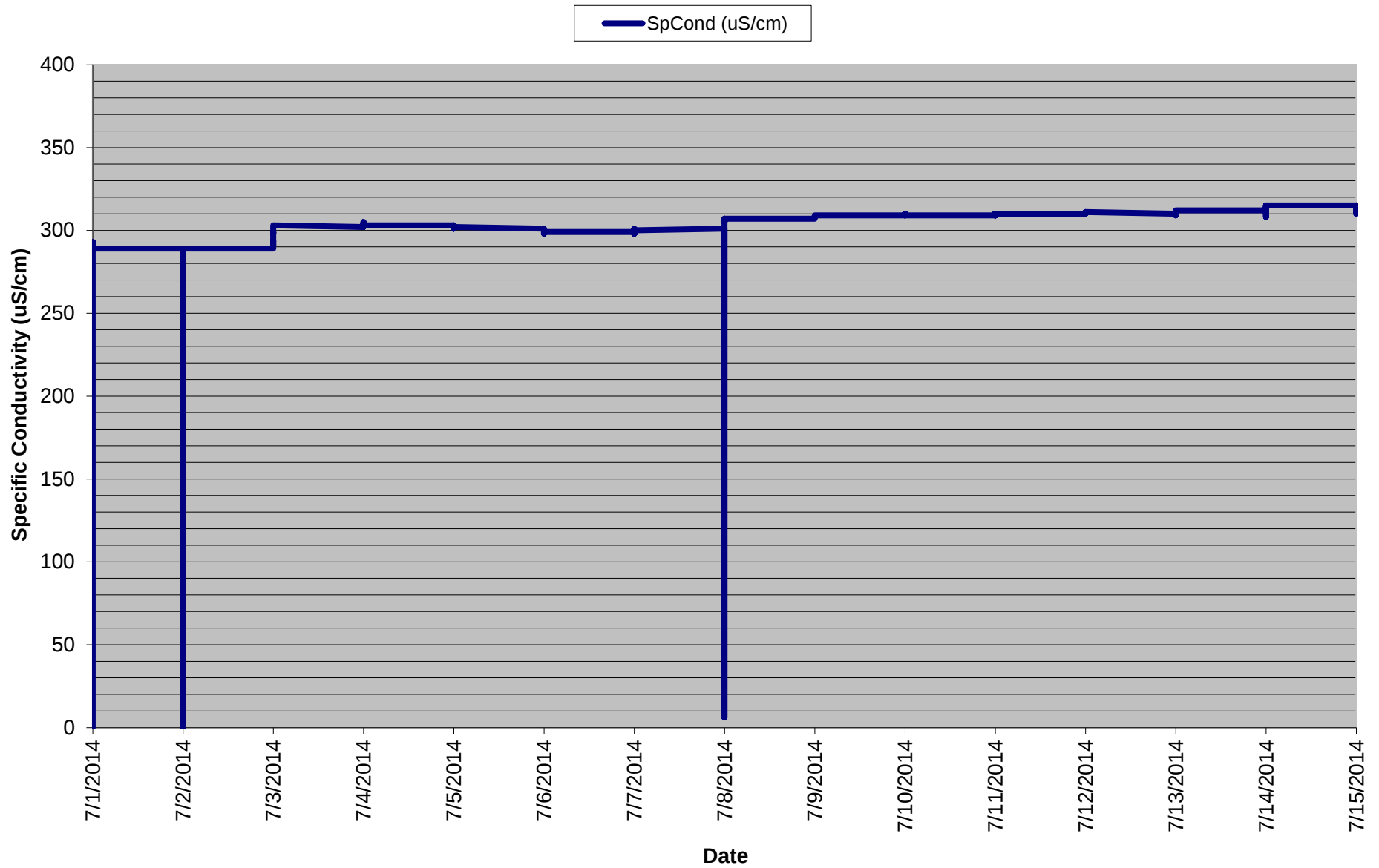
Water Quality Monitoring Data
Month of July 2014

APPENDIX D
TAILWATER SAMPLING GRAPH

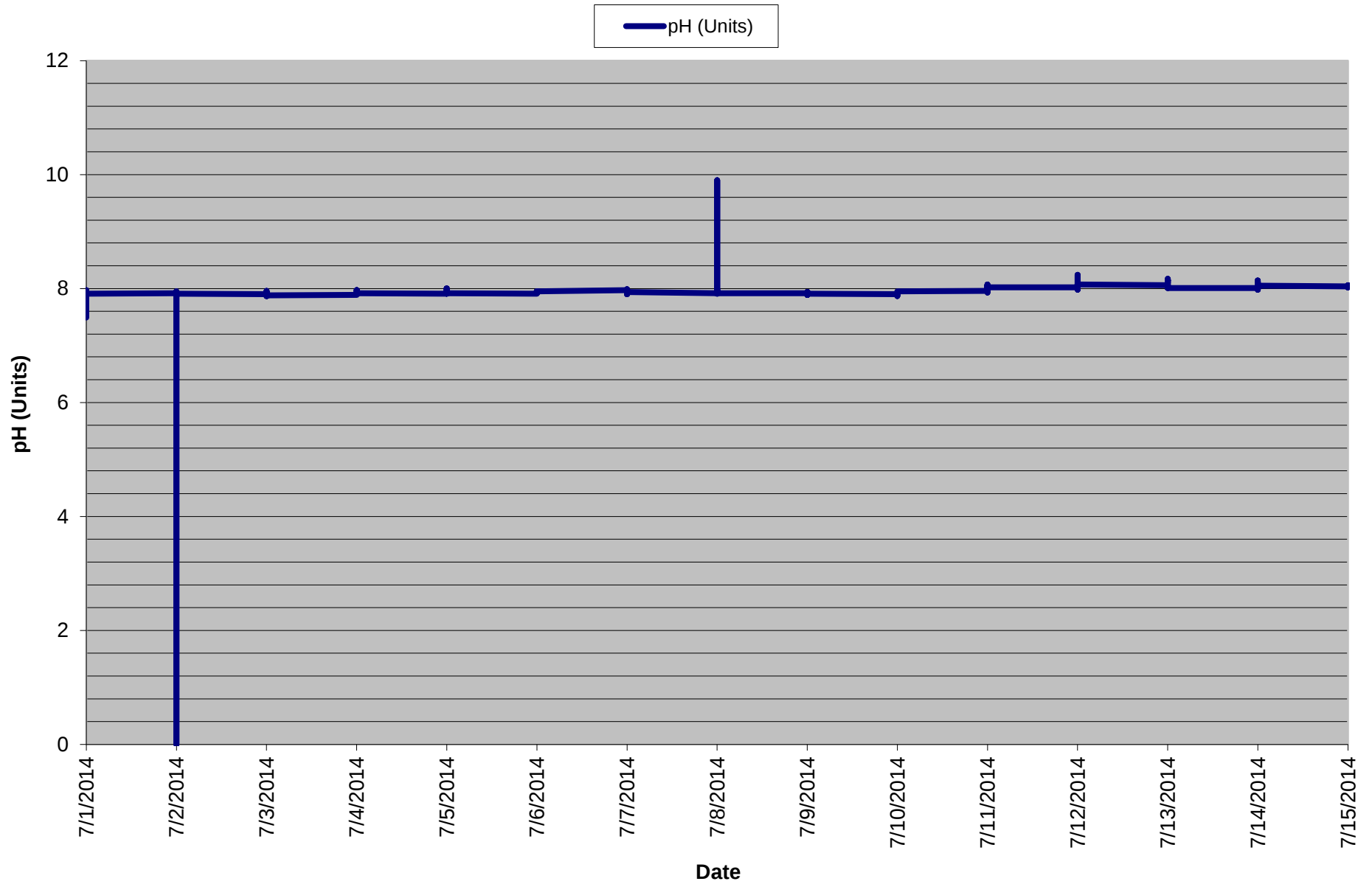
Oconto Falls Upper FERC # 2523
Tailwater
July 1 - 15, 2014
Temperature and Dissolved Oxygen



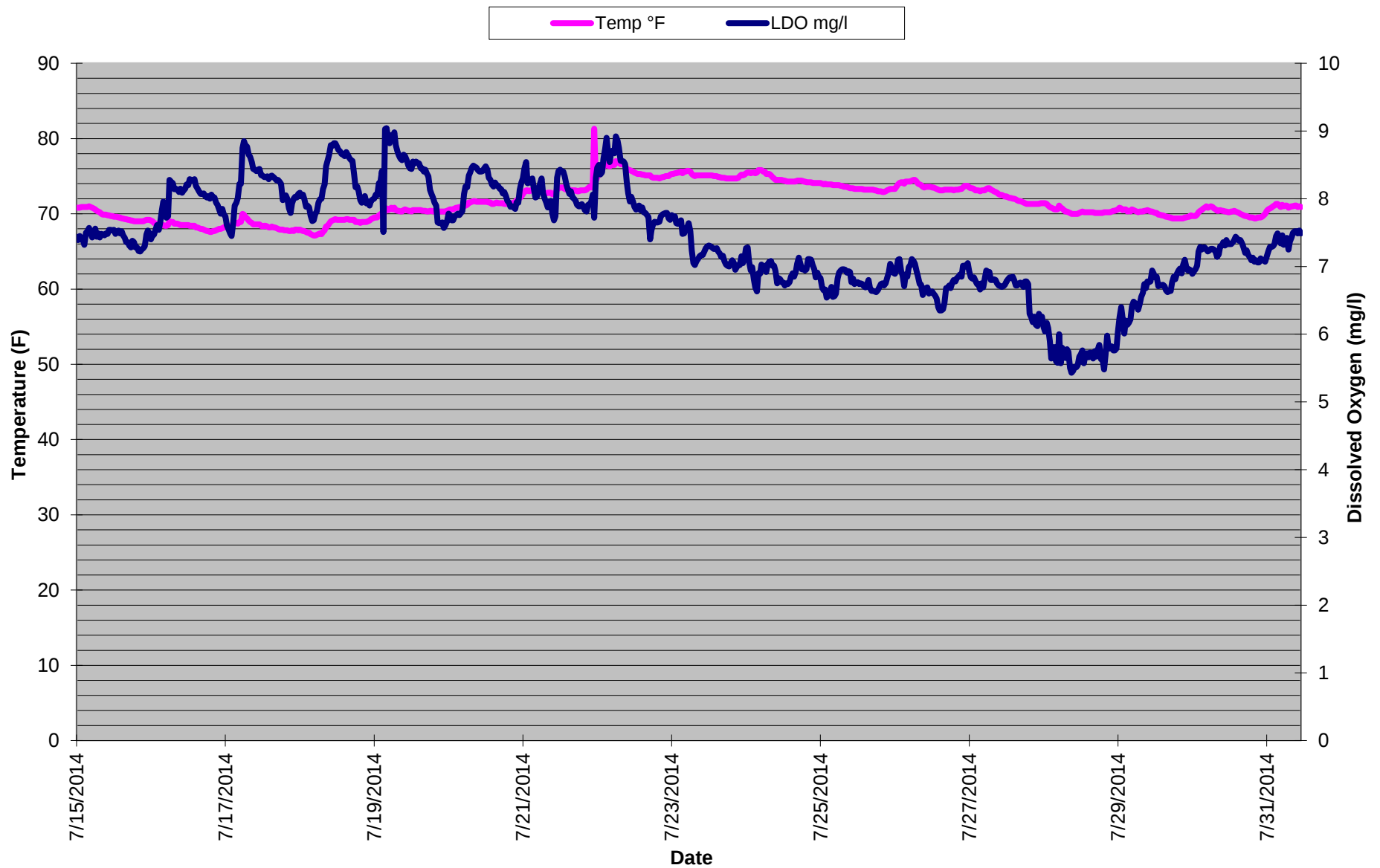
Oconto Falls Upper FERC #2523
Tailwater
July 1 - 15, 2014
Specific Conductivity



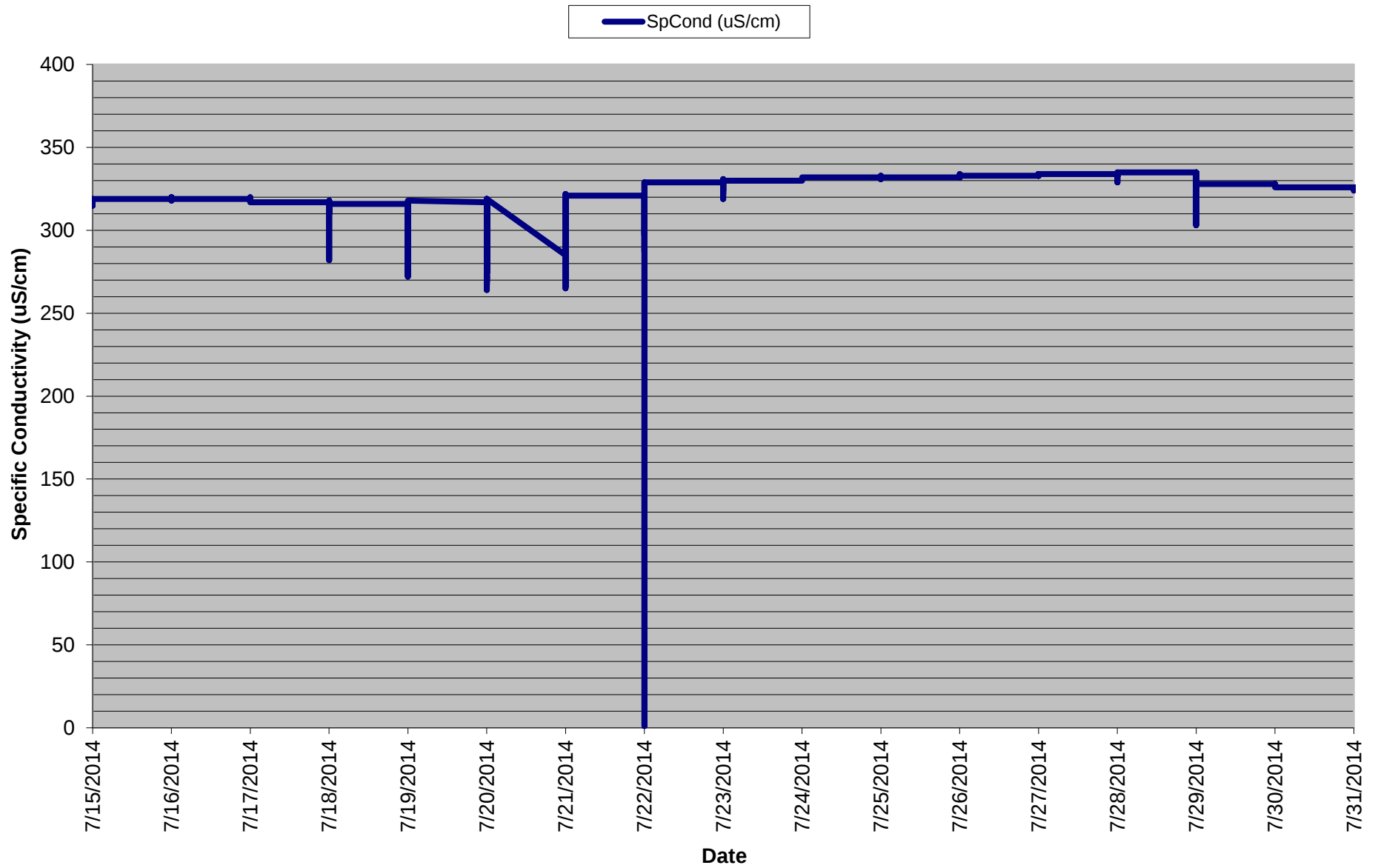
Oconto Falls Upper FERC #2523
Tailwater
July 1 - 15, 2014
pH



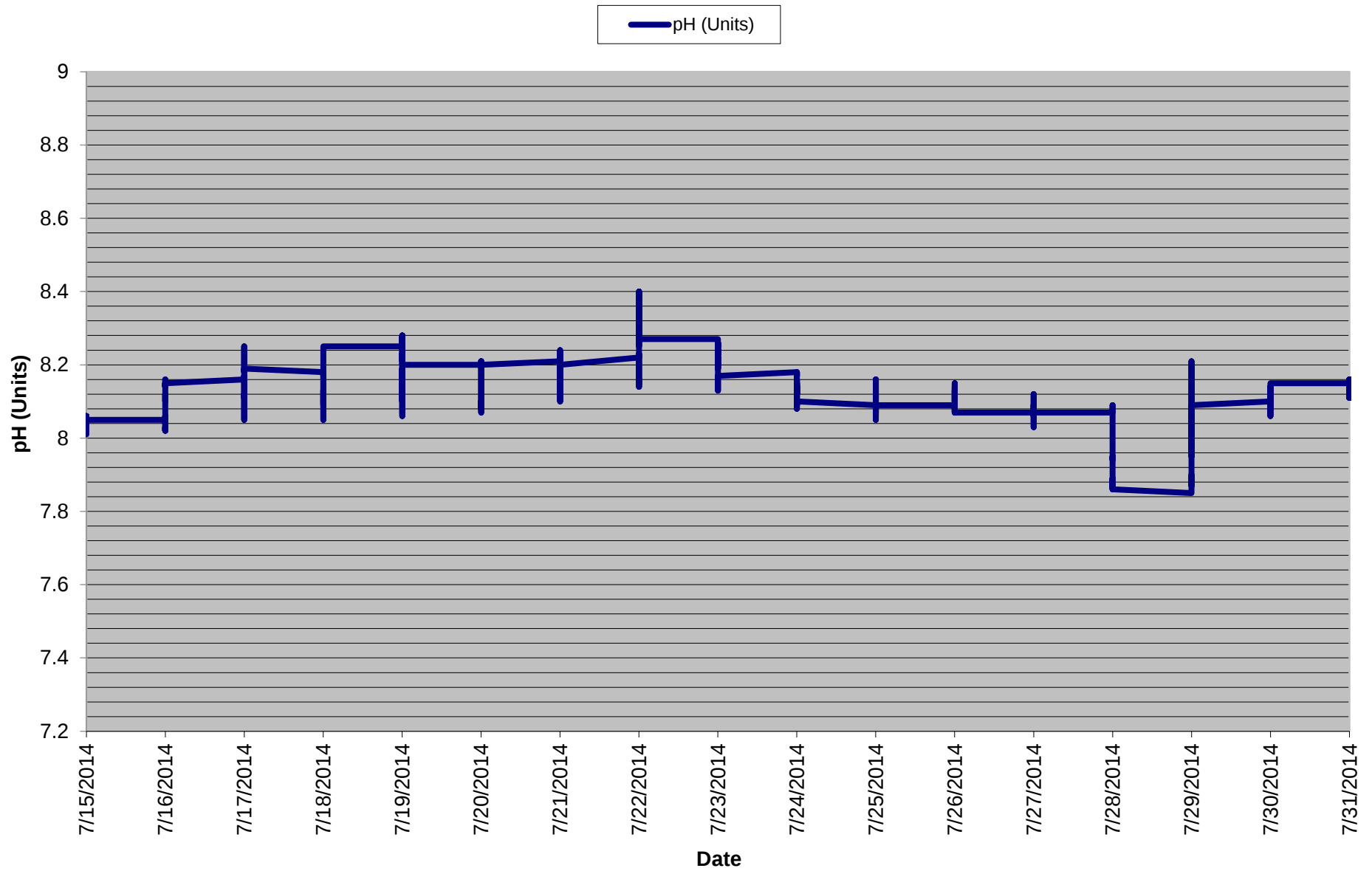
Oconto Falls Upper FERC #2523
Tailwater
July 15 - 31, 2014
Temperature and Dissolved Oxygen



Oconto Falls Upper FERC #2523
Tailwater
July 15 - 31, 2014
Specific Conductivity



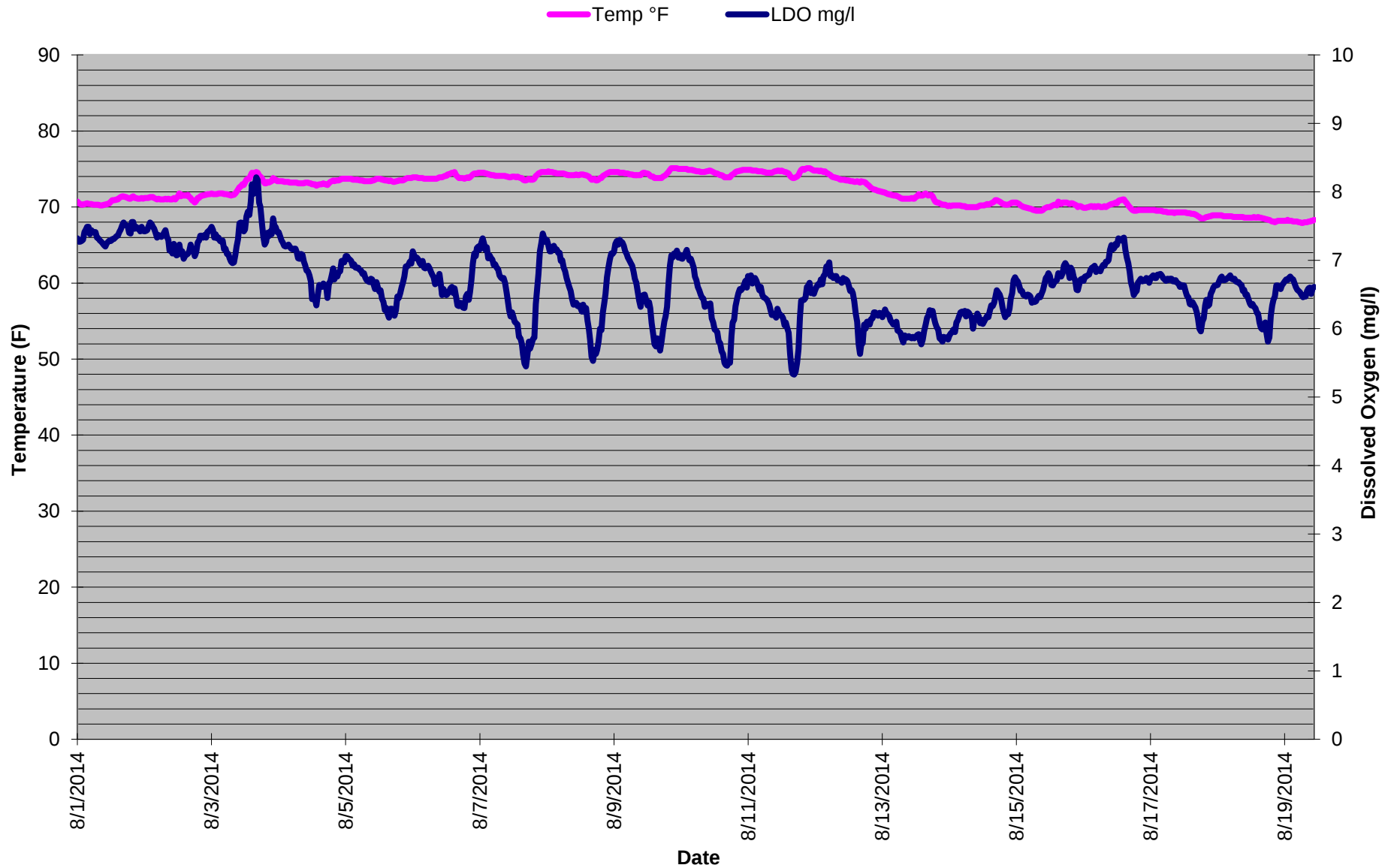
Oconto Falls Upper FERC #2523
Tailwater
July 15 - 31, 2014
pH



Water Quality Monitoring Data
Month of August 2014

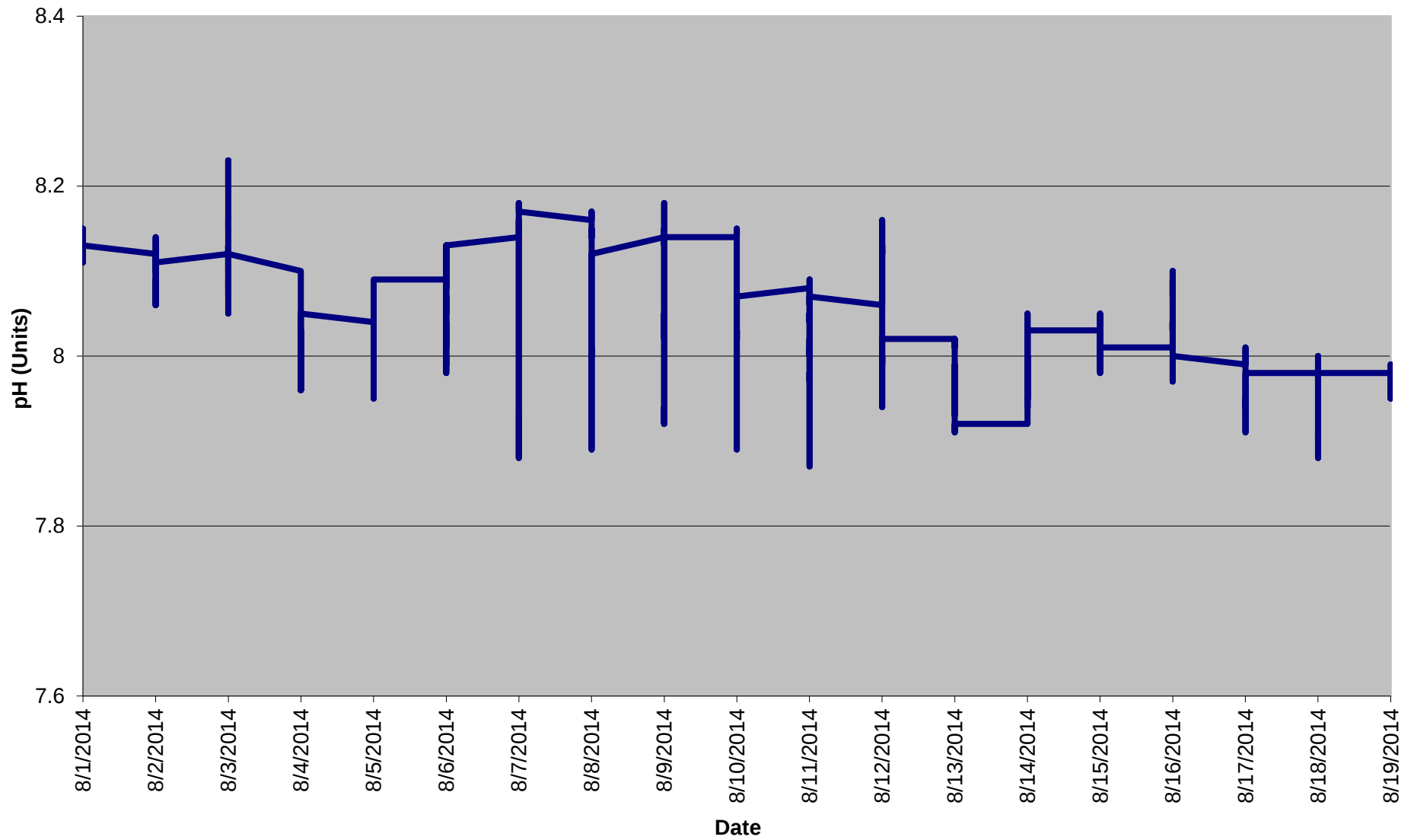
APPENDIX D
TAILWATER SAMPLING GRAPH

Oconto Falls Upper FERC #2523
Tailwater
August 1 - 19, 2014
Temperature and Dissolved Oxygen

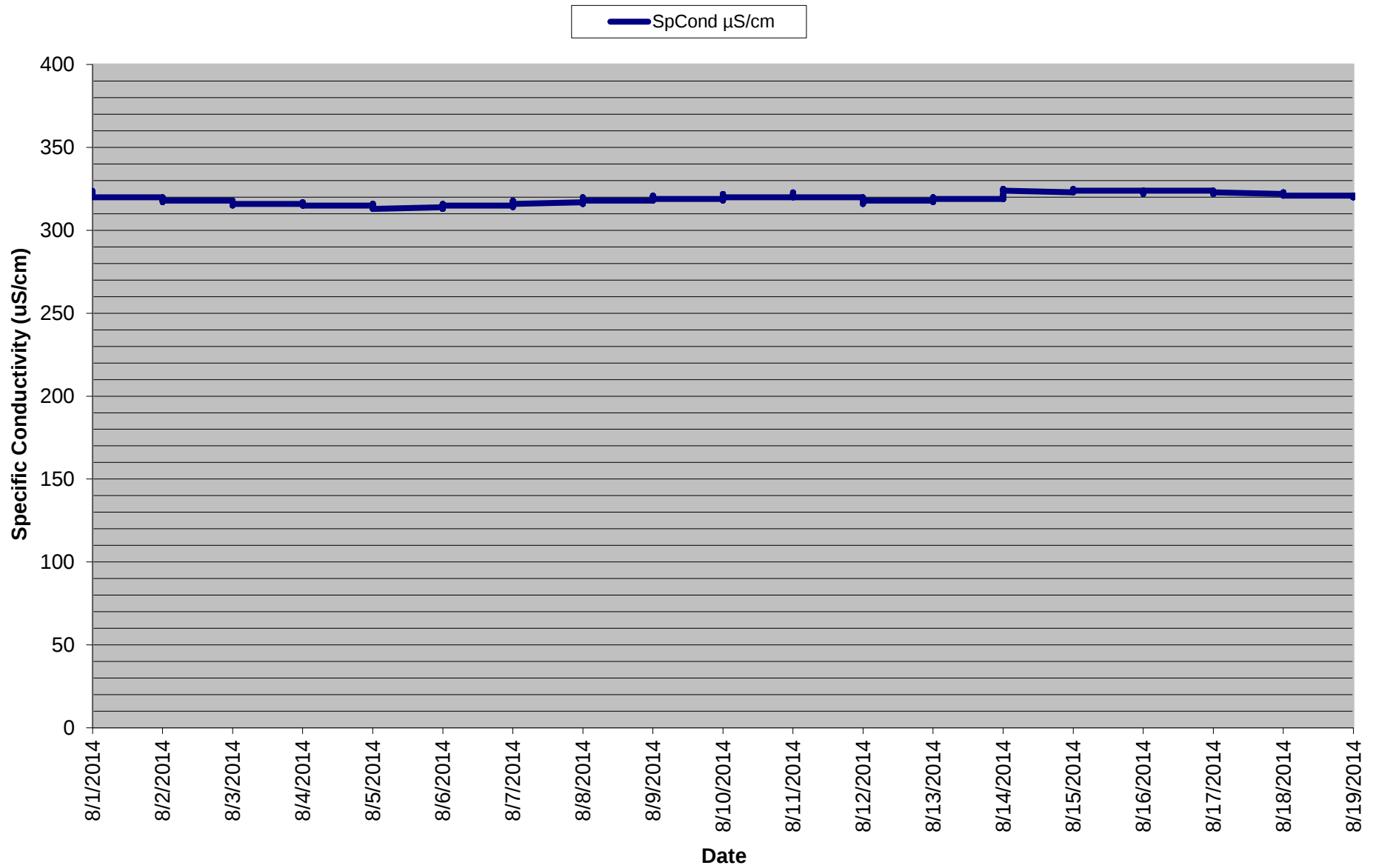


Oconto Falls Upper FERC #2523
Tailwater
August 1 - 19, 2014
pH

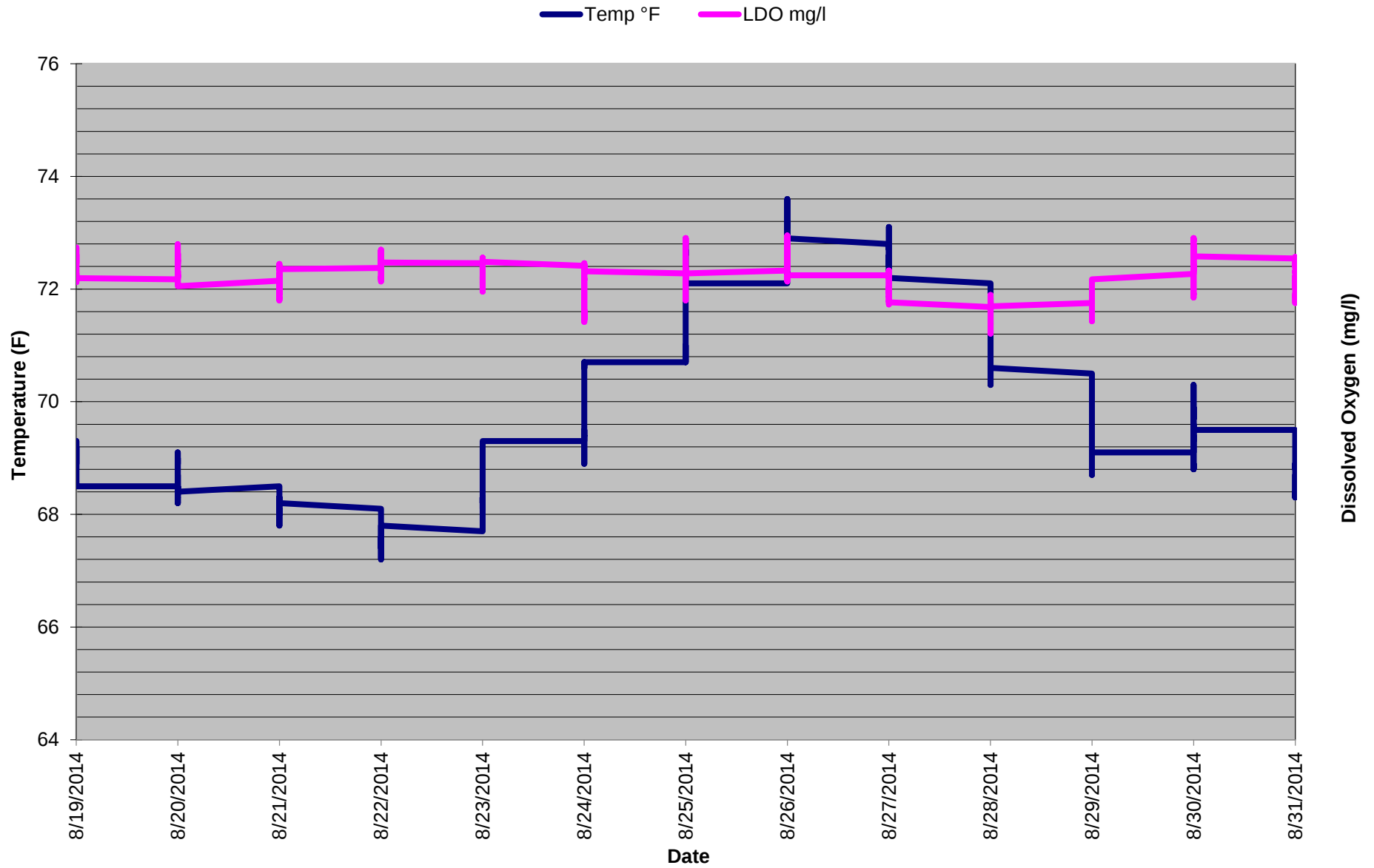
pH (Units)



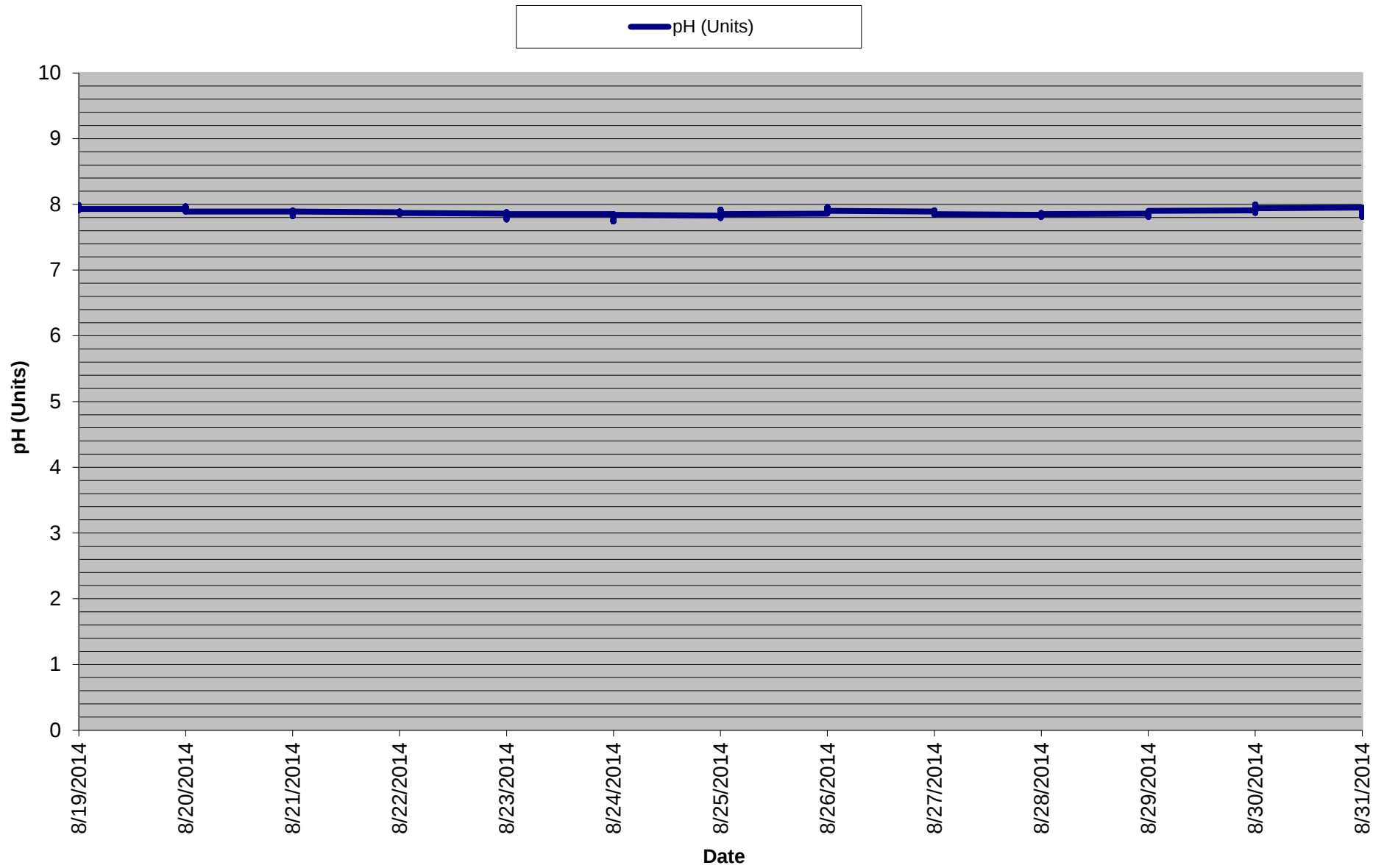
Oconto Falls Upper FERC #2523
Tailwater
August 1 - 19, 2014
Specific Conductivity



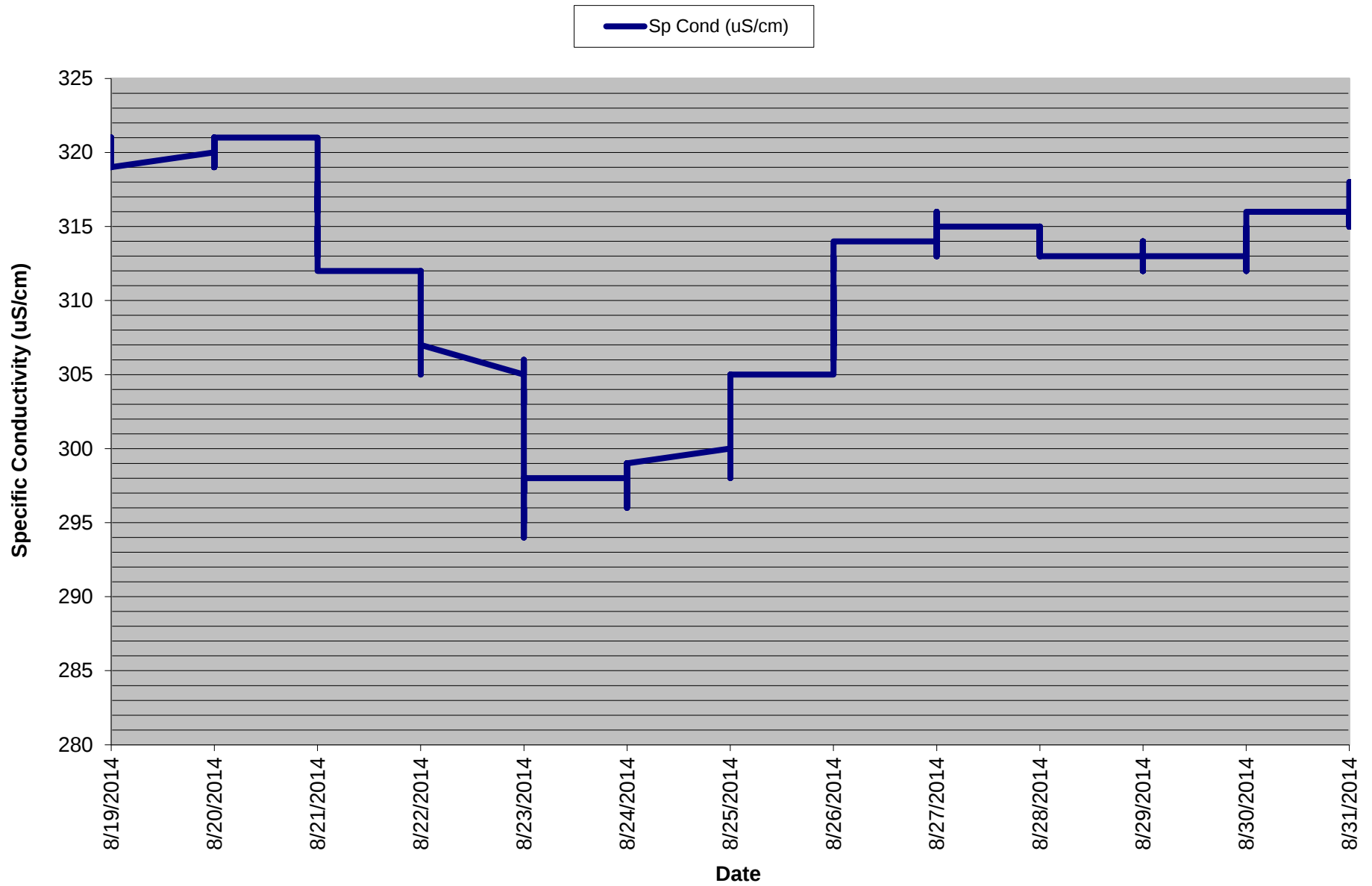
Oconto Falls Upper FERC #2523
Tailwater
August 19 - August 31, 2014
Temperature and Dissolved Oxygen



Oconto Falls Upper FERC #2523
Tailwater
August 19 - August 31, 2014
pH



Oconto Falls Upper FERC #2523
Tailwater
August 19 - August 31, 2014
Specific Conductivity

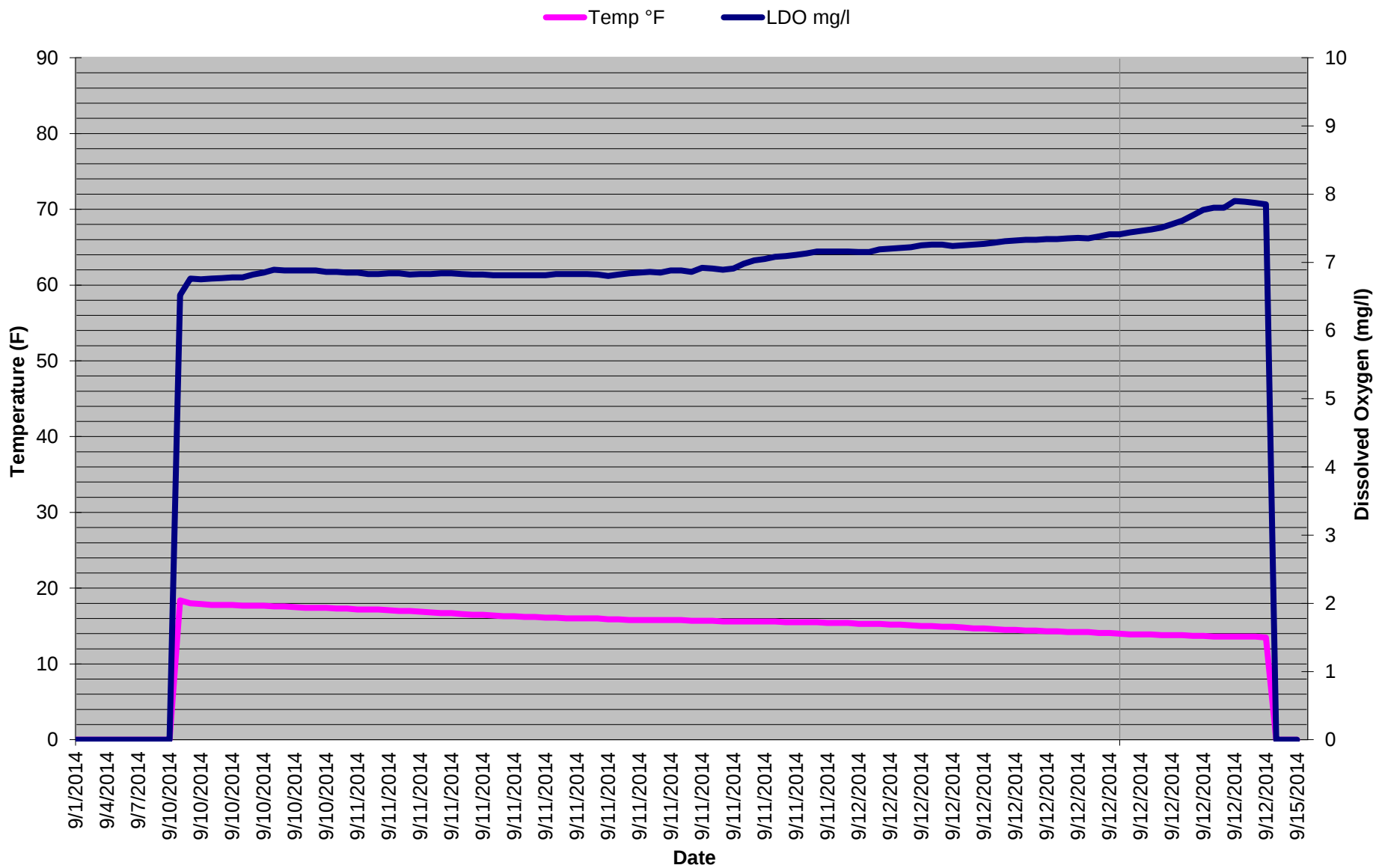


Water Quality Monitoring Data
Month of September 2014

APPENDIX D
TAILWATER SAMPLING GRAPH

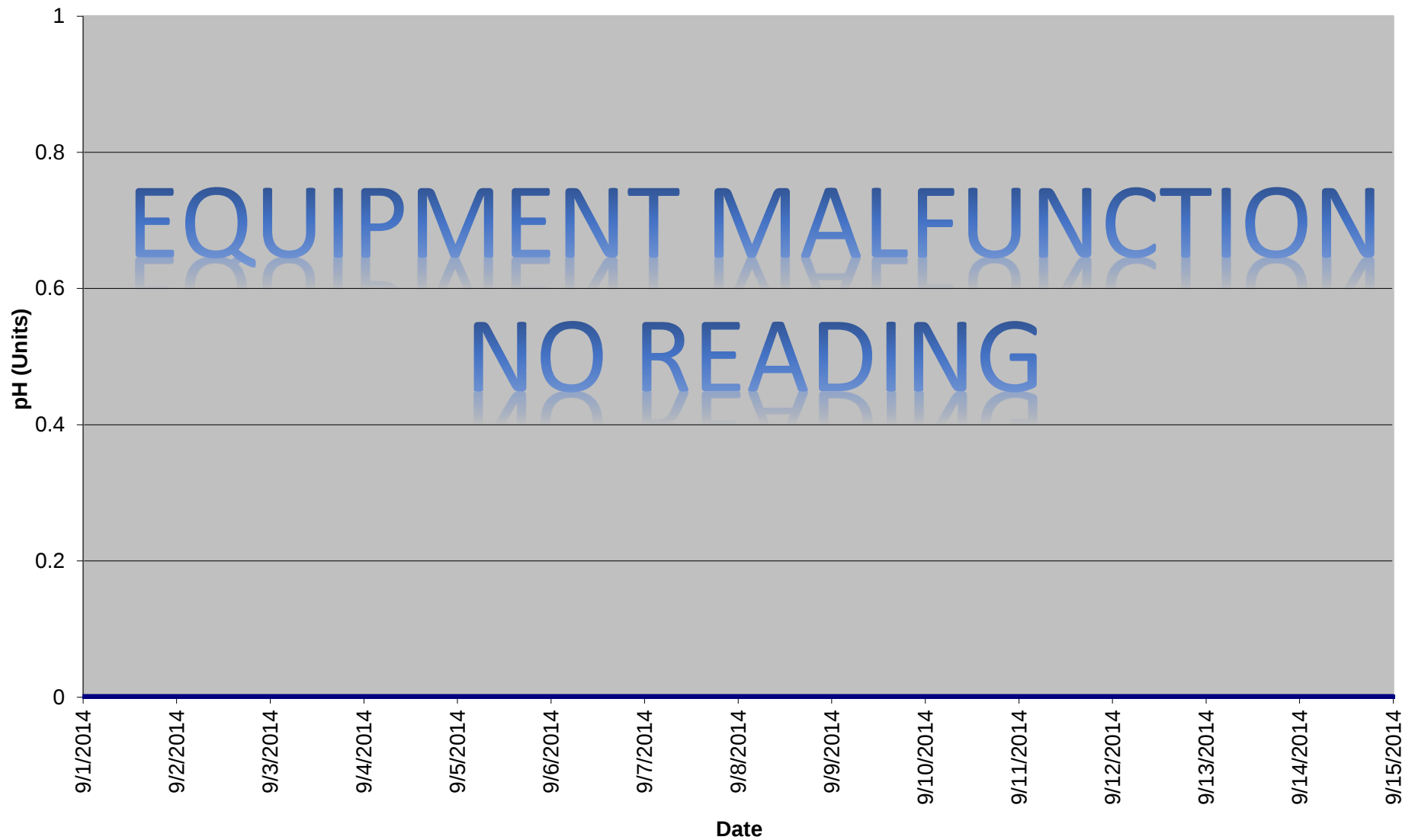
Oconto Falls Upper FERC #2523
Tailwater
September 01-15 , 2014
Temperature and Dissolved Oxygen

EQUIPMENT MALFUNCTION
MONITORING MONTH SEPT

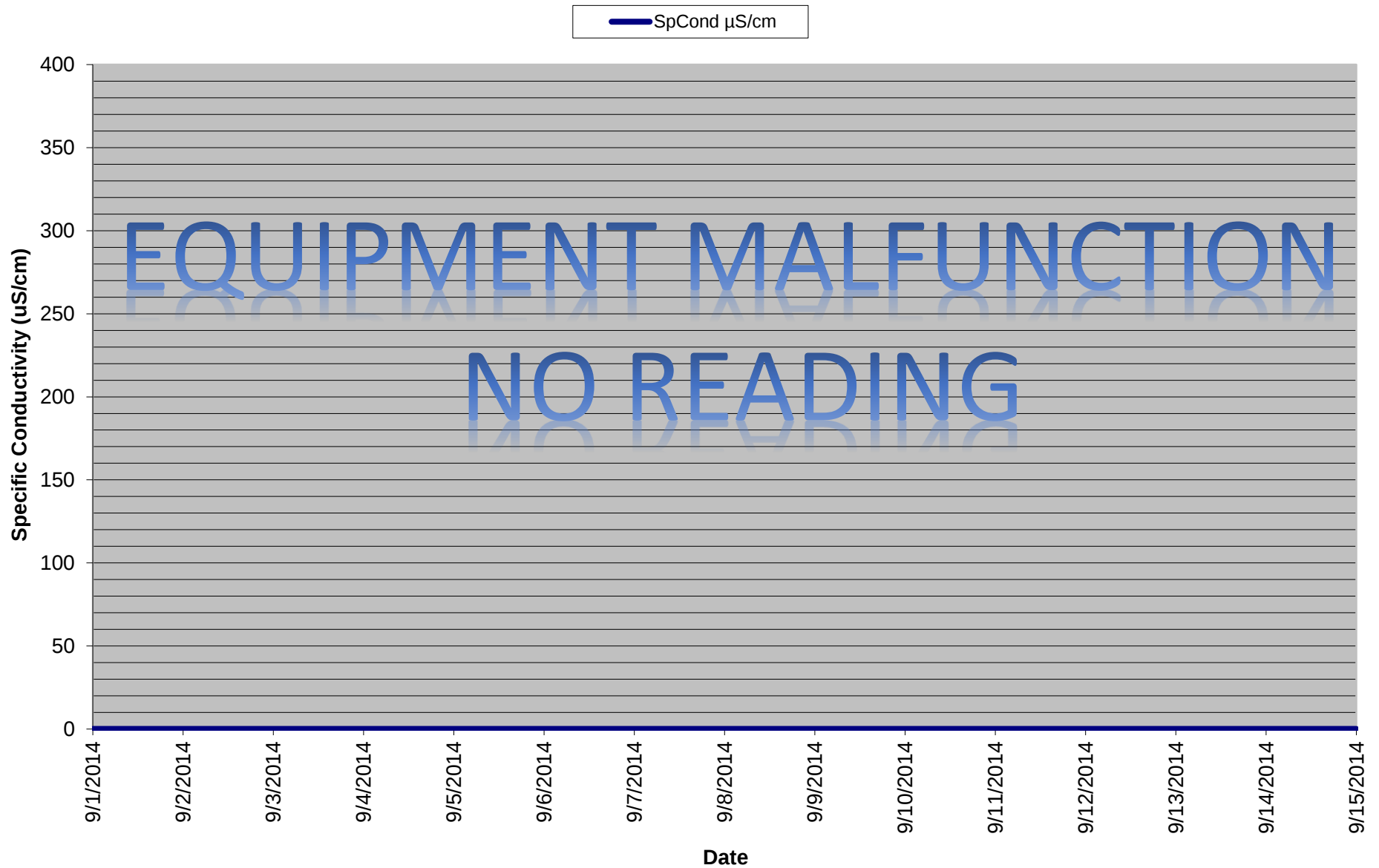


Oconto Falls Upper FERC #2523
Tailwater
September 01-15 , 2014
pH

pH (Units)

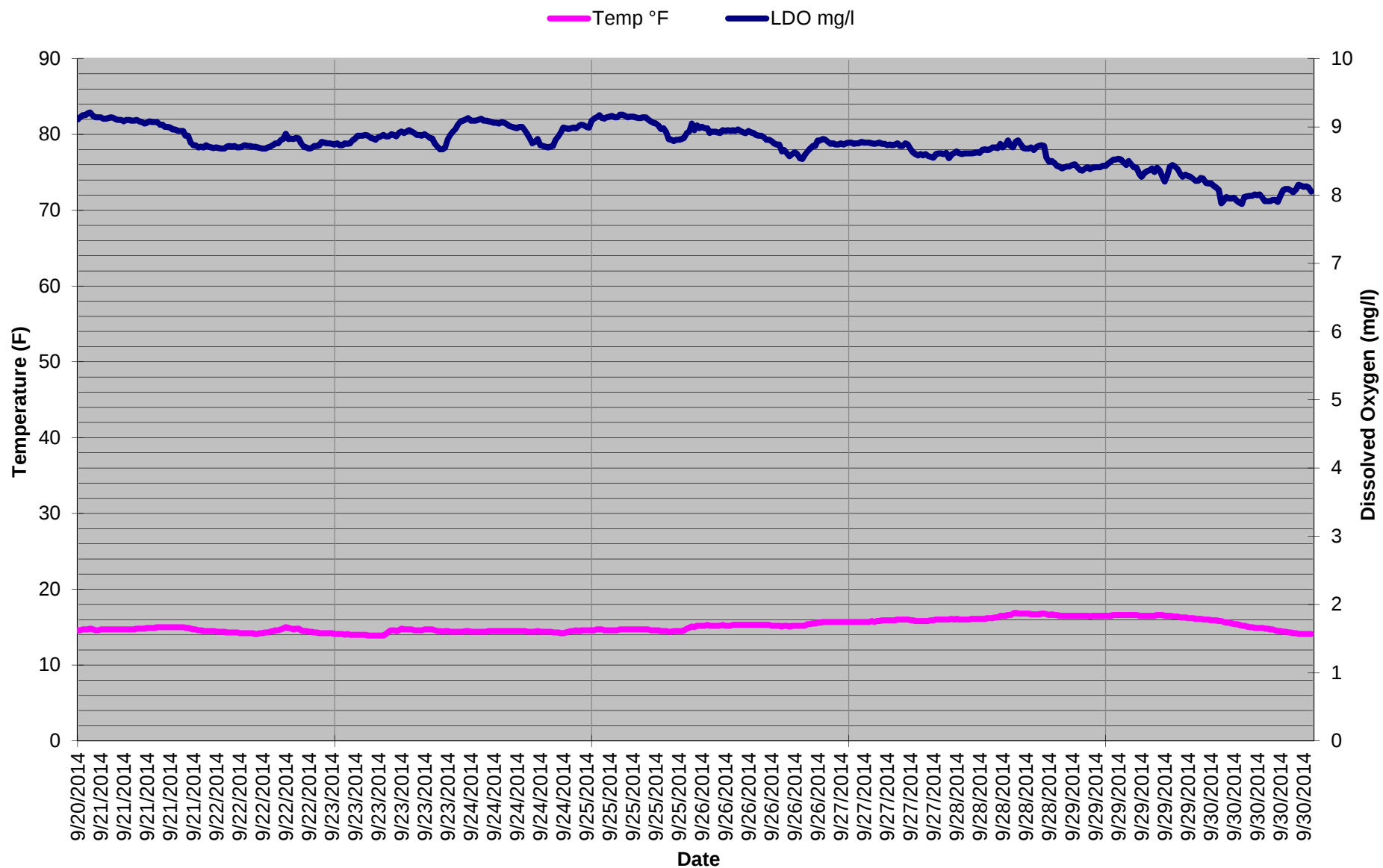


Oconto Falls Upper FERC #2523
Tailwater
September 1-15, 2014
Specific Conductivity

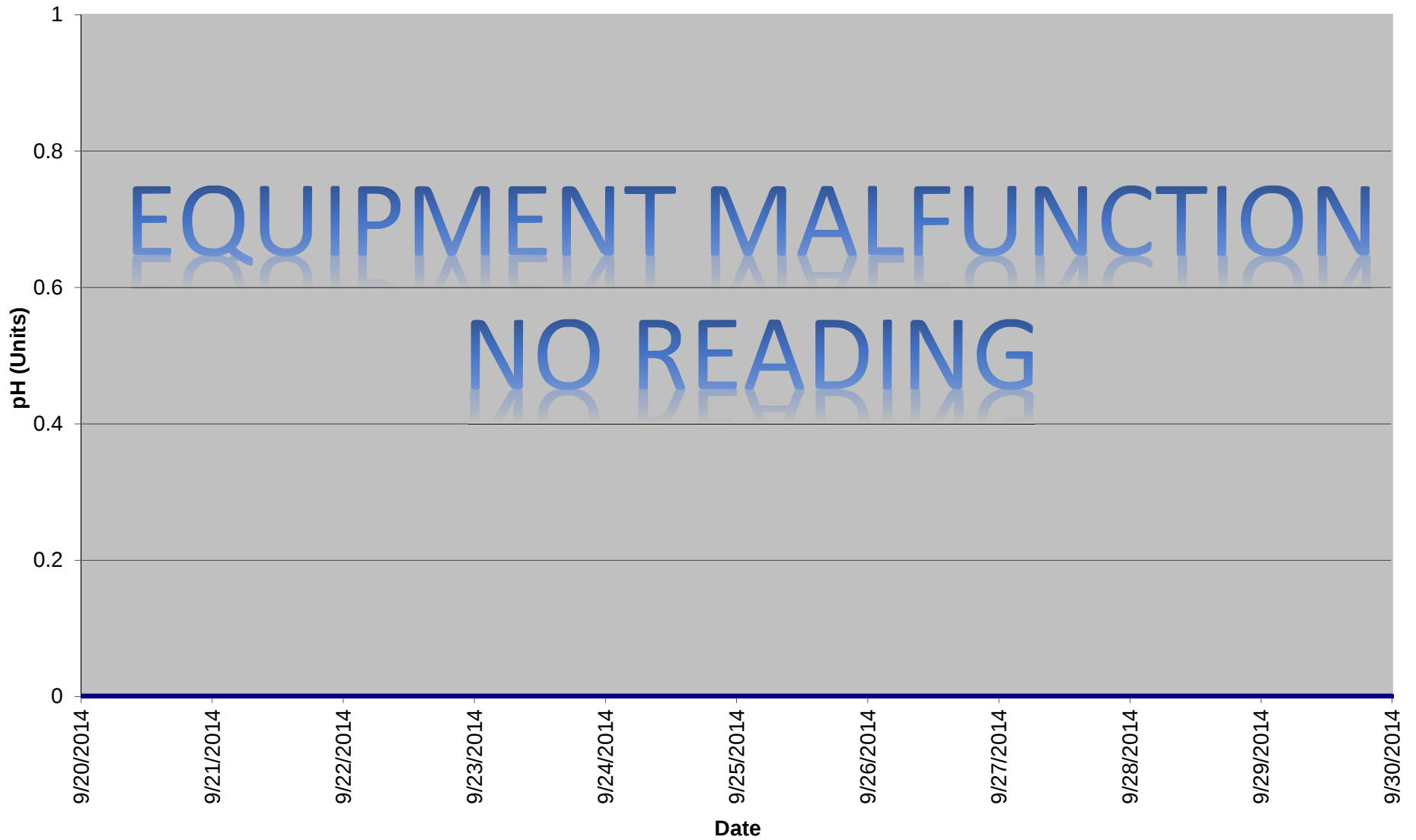
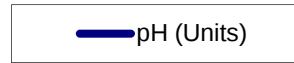


Oconto Falls Upper FERC #2523
Tailwater
September 20-30 , 2014
Temperature and Dissolved Oxygen

EQUIPMENT MALFUNCTION
MONITORING MONTH SEPT

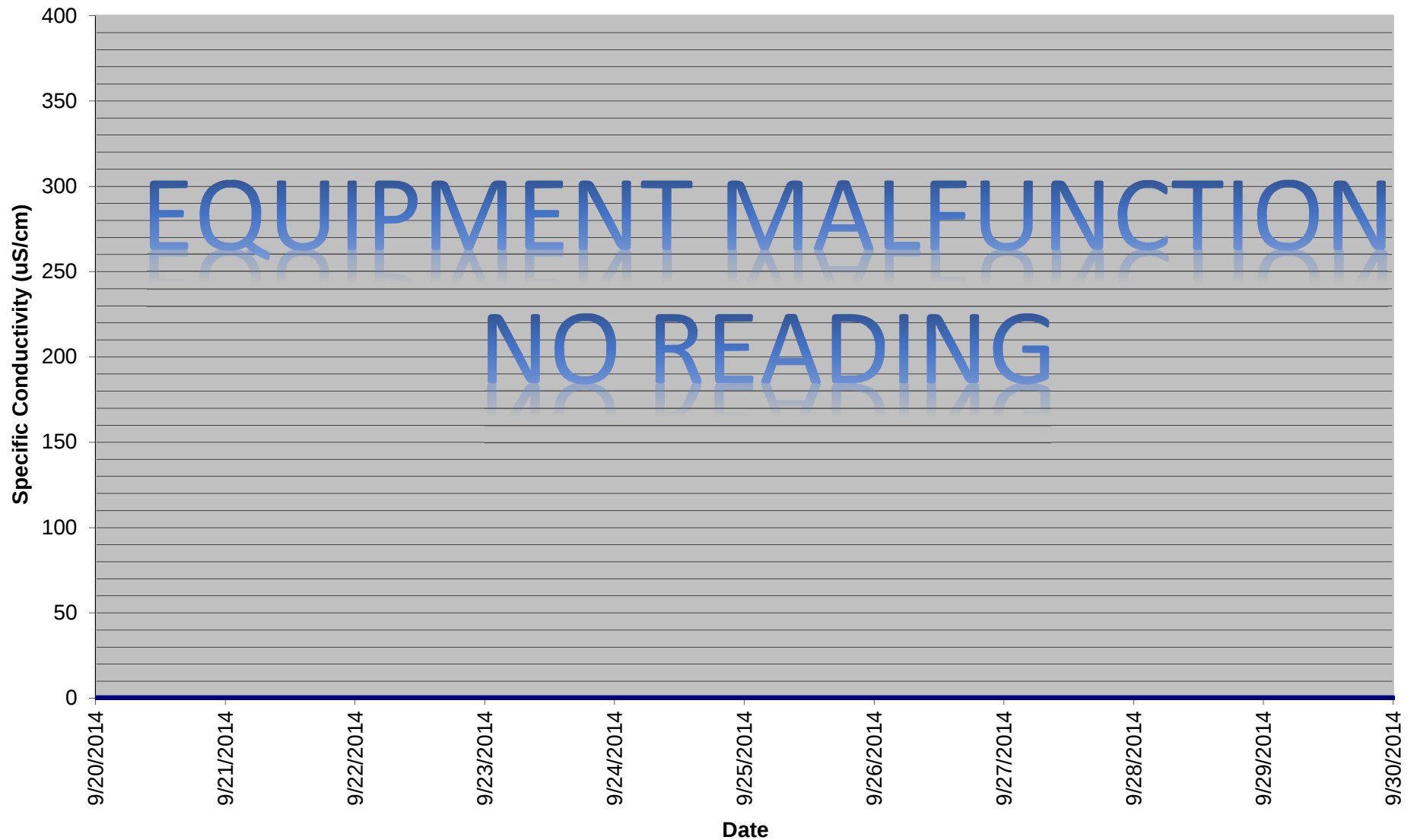


Oconto Falls Upper FERC #2523
Tailwater
September 20-30 , 2014
pH



Oconto Falls Upper FERC #2523
Tailwater
September 20-30, 2014
Specific Conductivity

— SpCond $\mu\text{S}/\text{cm}$





Agency Contact Personnel:

All Water Quality Study correspondence, reports, and any notifications will be directed to the following agency personnel:

U.S. Fish and Wildlife Service

Mr. Nick Utrup
U.S. Fish and Wildlife Service
Twin Cities Field Office
4101 American Boulevard East
Bloomington, MN 55425
Office: 612-725-3548 ext. 2204
Fax: 612-725-3609
Cell: 952-567-9616
Email: Nick.Utrup@fws.gov

WI Department of Natural Resources

Ms. Cheryl Laatsch
Statewide FERC Coordinator
WI Dept. of Natural Resources
N7725 Hwy 28
Horicon, WI 53032
Office: 920-387-7869
Fax: 920-387-7888
Cell: N/A
Email: Cheryl.laatsch@wisconsin.gov

Federal Energy Regulatory Commission:

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
Washington D.C. Headquarters
888 First Street, N.E.
Washington, D.C. 20426

Mr. John Zygai, P.E., Regional Engineer
Federal Energy Regulatory Commission
Chicago Regional Office
230 South Dearborn Street, Suite 3130
Chicago, IL 60604

Jane Manibusan

From: Utrup, Nick <nick_utrup@fws.gov>
Sent: Tuesday, January 20, 2015 6:55 AM
To: Jereme Klassy
Cc: Laatsch, Cheryl - DNR (Cheryl.Laatsch@Wisconsin.gov); Jane Manibusan
Subject: Re: Oconto Falls Upper and Lower WQ comments

Hi Jereme,

I have no comments on the final report.

Thanks,

Nick

Nick Utrup
U.S. Fish and Wildlife Service
Twin Cities Field Office
4101 American Boulevard East
Bloomington, MN 55425

Office: 612-725-3548 Ext. 2204
Cell: 952-567-9616
FAX: 612-725-3609
Email: Nick_Utrup@fws.gov

On Fri, Jan 16, 2015 at 1:51 PM, Jereme Klassy <jereme.klassy@eaglecreekre.com> wrote:

Cheryl and Nick

This may seem a bit redundant since the department commented on the raw WQ data we sent this fall. However, we are still waiting for comments on the final draft report that we mailed to you on November 20th 2014. The report was dated November 17, 2015 and it includes all the comments that we received from DNR staff. FWS declined to comment. If you have any additional comments regarding the Final report please email them to me Prior to Friday January 23, 2015 so that we can submit to the FERC in a timely way. Thanks.

Jereme Klassy

Compliance Manager

Jane Manibusan

From: Jereme Klassy
Sent: Friday, January 16, 2015 2:45 PM
To: Jane Manibusan
Subject: FW: Oconto Falls Upper and Lower WQ comments

From: Laatsch, Cheryl - DNR [mailto:Cheryl.Laatsch@wisconsin.gov]
Sent: Friday, January 16, 2015 2:44 PM
To: Jereme Klassy
Subject: RE: Oconto Falls Upper and Lower WQ comments

Thank you for the information. We have no other comments.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Cheryl Laatsch

Phone: 920-387-7869

Cheryl.laatsch@wisconsin.gov

From: Jereme Klassy [mailto:jereme.klassy@eaglecreekre.com]
Sent: Friday, January 16, 2015 1:52 PM
To: Laatsch, Cheryl - DNR; Nick_Utrup@fws.gov
Cc: Jane Manibusan
Subject: Oconto Falls Upper and Lower WQ comments

Cheryl and Nick

This may seem a bit redundant since the department commented on the raw WQ data we sent this fall. However, we are still waiting for comments on the final draft report that we mailed to you on November 20th 2014. The report was dated November 17, 2015 and it includes all the comments that we received from DNR staff. FWS declined to comment. If you have any additional comments regarding the Final report please email them to me Prior to Friday January 23, 2015 so that we can submit to the FERC in a timely way. Thanks.

Jereme Klassy
Compliance Manager



116 State Street
Neshkoro, WI 54960 USA
(920) 293-4628 ext. 322
Jereme.klassy@eaglecreekre.com

Jane Manibusan

From: Jereme Klassy
Sent: Friday, January 16, 2015 1:52 PM
To: 'Laatsch, Cheryl - DNR (Cheryl.Laatsch@Wisconsin.gov)'; Nick_Utrup@fws.gov
Cc: Jane Manibusan
Subject: Oconto Falls Upper and Lower WQ comments

Cheryl and Nick

This may seem a bit redundant since the department commented on the raw WQ data we sent this fall. However, we are still waiting for comments on the final draft report that we mailed to you on November 20th 2014. The report was dated November 17, 2015 and it includes all the comments that we received from DNR staff. FWS declined to comment. If you have any additional comments regarding the Final report please email them to me Prior to Friday January 23, 2015 so that we can submit to the FERC in a timely way. Thanks.

Jereme Klassy
Compliance Manager



116 State Street
Neshkoro, WI 54960 USA
(920) 293-4628 ext. 322
Jereme.klassy@eaglecreekre.com



November 17, 2014

Ms. Cheryl Laatsch
Statewide FERC Coordinator
WI Department of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

Mr. Nick Utrup
Twin Cities Field Office
U.S. Fish and Wildlife Service
4101 American Blvd. East
Bloomington, MN 55425

RE: **DRAFT 2014 Water Quality Monitoring Data Report**
Oconto Falls (Upper) - FERC #P-2523 -NATDAM ID# WI00763
Oconto Falls (Lower) - FERC #P-2689 -NATDAM ID# WI00761

Dear Agencies:

On behalf of NEW Hydro, LLC (Licensee), Eagle Creek Renewable Energy (ECRE), hereby submits (2) copies of each Draft Report "*2014 Water Quality Monitoring Data*" for the Oconto Falls Upper and Lower Hydroelectric Projects. The data is compiled from Impoundment and Tailwater sampling performed during July 1 through September 30 of 2014. This is the third-session that data was collected for Oconto Falls (Upper) Hydroelectric FERC# P-2523 and forth-session data collected for Oconto Falls (Lower) Hydroelectric FERC# P-2689 under their respective FERC approved Water Quality Monitoring Plans.

Sample collections were coordinated between the two projects to establish and continue a long-term database for water quality analysis and trending of the Oconto River at these established sampling locations. Thank you for the email correspondence related to your review of the Monthly data that we provided you in August, September, and October 2014. All the review comments received have been included in **Appendix E** of the Draft reports.

The Licensee wishes to file the final report as soon as possible which is due to the Federal Energy Regulatory Commission 60 days following your comments on this Draft. Please provide any additional comments you may have within 60 days of receiving this submittal.

Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations at (920) 293-4628 ext. 322 or by email at Jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee



For

Mr. Scott Klabunde
Senior VP of Operations

Attachments: *Draft Report 2014 Water Quality Monitoring Data – Oconto Falls (Upper)
Hydroelectric - FERC# P-2523 – November 2014 - Including Complete CD*

*Draft Report 2014 Water Quality Monitoring Data – Oconto Falls (Lower)
Hydroelectric - FERC# P-2689 – November 2014 – Including Complete CD*

cc: ECRE WMS/files
14-11-17_LC_ECRE_OFUP & OFLW_Invite Comments on Draft 2014 WQM Rept

Jane Manibusan

From: Jereme Klassy
Sent: Wednesday, October 29, 2014 1:45 PM
To: Laatsch, Cheryl - DNR
Cc: Jane Manibusan
Subject: RE: 2014 WQ data for Oconto

Thanks!

From: Laatsch, Cheryl - DNR [mailto:Cheryl.Laatsch@wisconsin.gov]
Sent: Wednesday, October 29, 2014 1:39 PM
To: Jereme Klassy
Subject: 2014 WQ data for Oconto

Andy has reviewed the reports. We have no concerns. I will be working with our CO staff to have the information put into our WQ database. Thanks

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Cheryl Laatsch

Statewide FERC Coordinator – Watershed Bureau/Water Division
Wisconsin Department of Natural Resources
N7225 Highway 28, Horicon WI 53032
Phone: 920-387-7869
Fax: 920-387-7888
Cheryl.laatsch@wisconsin.gov



dnr.wi.gov





October 07, 2014

Mr. Nick Utrup
Twin Cities Field Office
U.S. Fish and Wildlife Service
4101 American Blvd East
Bloomington, MN 55425

Ms. Cheryl Laatsch
Statewide FERC Coordinator
WI Dept. of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

RE: 2014 September Water Quality Monitoring Data
Oconto Falls (Upper) Hydroelectric Project – FERC No. P-2523
Oconto Falls (Lower) Hydroelectric Project – FERC No. P-2689

Dear Agencies:

On behalf of NEW Hydro, LLC (Licensee), Eagle Creek Renewable Energy hereby submits the September 2014 Water Quality Monitoring (WQM) data for the Oconto Falls Upper and Lower Hydroelectric Projects.

The enclosed CDs for each project contain the continuous monitoring data from the tailrace, the weekly monitoring data of the impoundment, and a compliance energy record for the dates of the impoundment sampling, and a PDF of this letter.

An issue with the sonde unit at the Oconto Falls Upper Project was discovered on September 10, 2014. The malfunctioning sonde can no longer provide data and the readings from September 1-10, 2014 could not be retrieved. The licensee made an effort to record the water temperature and dissolved oxygen (LDO) levels from September 10-12 and 22-30 using the handheld equipment that was specified to monitor water quality in the Reservoir.

The licensee previously submitted to the agencies, the water quality data for July and August. The September data found in this submittal completes the WQM requirements for 2014. We respectfully request your comments on these reports so that we can include your comments to develop a Draft WQM Report for a final review prior to filing with the Commission.



Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations at 920-293-4628, ext. 322 or by email at jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee


For Scott Klabunde
Senior VP of Operations

Enclosure: Oconto Falls Upper FERC #2523 - 2014 September WQM Data (CD)
Oconto Falls Lower FERC #2689 - 2014 September WQM Data (CD)

SK/jcm

cc: ECRE-LC Files
(14-10-06_LC_OFLW_OFUP_14Sept WQM Data submit to Agencies)

Jane Manibusan

From: Jereme Klassy
Sent: Thursday, September 25, 2014 10:03 AM
To: Jane Manibusan
Subject: FW: Review Requested: P-2689 Oconto Falls (Lower)

From: Laatsch, Cheryl - DNR [mailto:Cheryl.Laatsch@wisconsin.gov]
Sent: Thursday, September 25, 2014 9:55 AM
To: Jereme Klassy
Subject: FW: Review Requested: P-2689 Oconto Falls (Lower)

See the comments below.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Cheryl Laatsch

Phone: 920-387-7869

Cheryl.laatsch@wisconsin.gov

From: Hudak, Andrew J - DNR
Sent: Thursday, September 25, 2014 7:47 AM
To: Laatsch, Cheryl - DNR
Subject: RE: Review Requested: P-2689 Oconto Falls (Lower)

I do not see any irregularities that I am concerned about with DO, Temp, or pH, however I would appreciate if they could include a map of the sampling locations for future reference so that an adequate understanding can be made of the sample locations and corresponding data.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Andrew Hudak

Phone: (920) 662-5117

Andrew.hudak@wisconsin.gov

From: Laatsch, Cheryl - DNR
Sent: Wednesday, September 24, 2014 11:38 AM
To: Hudak, Andrew J - DNR
Subject: Review Requested: P-2689 Oconto Falls (Lower)
Importance: High

Please review and let me know if you have comments. Comments are due to me by October 1.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Cheryl Laatsch

Statewide FERC Coordinator – Watershed Bureau/Water Division



September 12, 2014

Mr. Nick Utrup
Twin Cities Field Office
U.S. Fish and Wildlife Service
4101 American Blvd East
Bloomington, MN 55425

Ms. Cheryl Laatsch
Statewide FERC Coordinator
WI Dept. of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

RE: 2014 August Water Quality Monitoring Data
Oconto Falls (Upper) Hydroelectric – FERC# 2523
Oconto Falls (Lower) Hydroelectric – FERC# 2689

Dear Agencies:

On behalf of NEW Hydro, LLC (Licensee), Eagle Creek Renewable Energy (ECRE), hereby submit filings to you, the Agencies, for Oconto Falls Upper and Oconto Falls Lower Hydroelectric Projects, the August 2014, Water Quality Monitoring (WQM) Data.

The Enclosed CD's per projects, contains the continuous monitoring data from the tailrace, the weekly monitoring data of the impoundment, a compliance energy record for the dates of impoundment sampling, and a PDF of this letter.

Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations at 920-293-4628, ext. 322 or by email at jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee

Scott Klabunde
Senior VP of Operations



Enclosure: Oconto Falls Upper FERC #2523 - 2014 Aug WQM Data (CD)
Oconto Falls Lower FERC #2689 - 2014 Aug WQM Data (CD)

SK/jcm

cc: ECRE-LC Files
(14-09-12_LC_OFLW_OFUP_14Aug WQM Data submit to Agencies)



August 11, 2014

Mr. Nick Utrup
Twin Cities Field Office
U.S. Fish and Wildlife Service
4101 American Blvd East
Bloomington, MN 55425

Ms. Cheryl Laatsch
Statewide FERC Coordinator
WI Dept. of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

RE: 2014 July Water Quality Monitoring Data
Oconto Falls (Upper) Hydroelectric – FERC# 2523
Oconto Falls (Lower) Hydroelectric – FERC# 2689

Dear Agencies:

On behalf of NEW Hydro, LLC (Licensee), Eagle Creek Renewable Energy (ECRE), hereby submit filings to you, the Agencies, for Oconto Falls Upper and Oconto Falls Lower Hydroelectric Projects, the July 2014, Water Quality Monitoring (WQM) Data.

The Enclosed CD's per projects, contains the continuous monitoring data from the tailrace, the weekly monitoring data of the impoundment, a compliance energy record for the dates of impoundment sampling, and a PDF of this letter (*Impoundment Sampling data not available from July 01 thru the 10th, due to equipment deficiency*).

Monitoring commence on July 01, 2014, and will continue through September 30, 2014. Monthly submissions of data will be sent to the agencies. A final report and data will be sent to the agencies and FERC following the completion of the 2014 monitoring season as spelled out in the approved Water Quality Monitoring Plan for each project.

Eagle Creek Renewable Energy
Midwest Operations
116 N. State Street, PO Box 167, Neshkoro, WI 54960-0167 USA
www.eaglecreekre.com



Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations at 920-293-4628, ext. 322 or by email at jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee

for Scott Klabunde
Senior VP of Operations

SK/jcm

Enclosure: Oconto Falls Upper FERC #2523 - 2014 July WQM Data (CD)
Oconto Falls Lower FERC #2689 - 2014 July WQM Data (CD)

cc: ECRE-LC Files
(14-08-11_LC_OFLW_OFUP_14Jul WQM Data submit to Agencies)



May 31, 2014

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**RE: Addendum (May 2014) to the Water Quality Monitoring Plan
Per License Article 405 for the Oconto Falls (Upper) Hydroelectric Project –
FERC Project #2523 NEW Hydro, LLC**

Dear Ms. Bose,

Enclosed is 1 original and 8 copies of the Addendum (May 2014) to the Water Quality Monitoring Plan Per License Article 405 for the Oconto Falls (Upper) Hydroelectric Project – FERC Project #2523, NEW Hydro, LLC.

The Addendum identifies the monitoring equipment that will be used, report formats furnished with written submissions to agencies, and the designated contact person for each agency involved. Monitoring will begin on July 1, 2014 and continue through September 30, 2014 for the monitoring year.

Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations office at 920-293-4628, ext. 322 or by e-mail at Jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee

Scott Klabunde
Senior VP of Operations

Midwest Operations
116 N. State Street, PO Box 167
Neshkoro, WI 54960-0167 USA
Tel: (920) 293-4628

Eagle Creek Renewable Energy
65 Madison Avenue, Suite 500 ~ Morristown, NJ 07960 USA
Tel: (973) 998-8400 — Fax (973) 998-8401
www.eaglecreekre.com

North East Operations
613 Plank Road
Forestburgh, NY 12777 USA
Tel: (845) 856-3920



Attachment: Addendum (May 2014) to the Water Quality Monitoring Plan
Per License Article 405
Oconto Falls (Upper) Hydroelectric Project (P-2523)

Cc: Mr. John Zygai, P.E, CRO
Mr. Nick Utrup - USFWS
Ms. Cheryl Laatsch - WDNR
Midwest Operation: File
14-05-31_LC_OFUP_submittal DHAC WQMP 2014 Addendum



May 31, 2014

Mr. John Zygai, P.E. Regional Manager
Federal Energy Regulatory Commission
Chicago Regional Office
230 South Dearborn Street, Suite 3130
Chicago, IL 60604

**RE: Addendum (May 2014) to the Water Quality Monitoring Plan
Per License Article 405 for the Oconto Falls (Upper) Hydroelectric Project –
FERC Project #2523 NEW Hydro, LLC**

Dear Mr. Zygai:

Enclosed is 1 original and 2 copies of the Addendum (May 2014) to the Water Quality Monitoring Plan Per License Article 405 for the Oconto Falls (Upper) Hydroelectric Project – FERC Project #2523, NEW Hydro, LLC.

The Addendum identifies the monitoring equipment that will be used, report formats furnished with written submissions to agencies, and the designated contact person for each agency involved. Monitoring will begin on July 1, 2014 and continue through September 30, 2014 for the monitoring year.

Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations office at 920-293-4628, ext. 322 or by e-mail at Jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee

for Scott Klabunde
Senior VP of Operations

Midwest Operations
116 N. State Street, PO Box 167
Neshkoro, WI 54960-0167 USA
Tel: (920) 293-4628

Eagle Creek Renewable Energy
65 Madison Avenue, Suite 500 ~ Morristown, NJ 07960 USA
Tel: (973) 998-8400 — Fax (973) 998-8401
www.eaglecreekre.com

North East Operations
613 Plank Road
Forestburgh, NY 12777 USA
Tel: (845) 856-3920



Attachment: Addendum (May 2014) to the Water Quality Monitoring Plan
Per License Article 405
Oconto Falls (Upper) Hydroelectric Project (P-2523)

Cc: Ms. Kimberly D. Bose - FERC
Mr. Nick Utrup - USFWS
Ms. Cheryl Laatsch - WDNR
Midwest Operation: File
14-05-31_LC_OFUP_submittal CRO WQMP 2014 Addendum

Midwest Operations
116 N. State Street, PO Box 167
Neshkoro, WI 54960-0167 USA
Tel: (920) 293-4628

Eagle Creek Renewable Energy
65 Madison Avenue, Suite 500 ~ Morristown, NJ 07960 USA
Tel: (973) 998-8400 — Fax (973) 998-8401
www.eaglecreekre.com

North East Operations
613 Plank Road
Forestburgh, NY 12777 USA
Tel: (845) 856-3920



May 31, 2014

Mr. Nick Utrup
Twin Cities Field Office
U.S. Fish and Wildlife Service
4101 American Blvd East
Bloomington, MN 55425

Ms. Cheryl Laatsch
Statewide FERC Coordinator
WI Dept. of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

**RE: Addendum (May 2014) to the Water Quality Monitoring Plan
Per License Article 405 for the Oconto Falls (Upper) Hydroelectric Project –
FERC Project #2523 NEW Hydro, LLC**

Dear Mr. Utrup and Ms. Laatsch:

Enclosed is the Addendum (May 2014) to the Water Quality Monitoring Plan Per License Article 405 for the Oconto Falls (Upper) Hydroelectric Project – FERC Project #2523 NEW Hydro, LLC.

The Addendum identifies the monitoring equipment that will be used, report formats furnished with written submissions to agencies, and the designated contact person for each agency involved. Monitoring will begin on July 1, 2014 and continue through September 30, 2014 for the monitoring year.

Should you have any questions, please do not hesitate to contact Mr. Jereme Klassy at the Eagle Creek Renewable Energy Midwest Operations office at 920-293-4628, ext. 322 or by e-mail at Jereme.klassy@eaglecreekre.com.

Sincerely,
Eagle Creek Renewable Energy
Agent for Licensee

Scott Klabunde
Senior VP of Operations

Midwest Operations
116 N. State Street, PO Box 167
Neshkoro, WI 54960-0167 USA
Tel: (920) 293-4628

Eagle Creek Renewable Energy
65 Madison Avenue, Suite 500 ~ Morristown, NJ 07960 USA
Tel: (973) 998-8400 — Fax (973) 998-8401
www.eaglecreekre.com

North East Operations
613 Plank Road
Forestburgh, NY 12777 USA
Tel: (845) 856-3920



Attachment: Addendum (May 2014) to the Water Quality Monitoring Plan
Per License Article 405
Oconto Falls (Upper) Hydroelectric Project (P-2523)

Cc: Ms. Kimberly D. Bose, Secretary –FERC
Mr. John Zygai, P.E., – CRO
Midwest Operation: File
14-05-31_LC_OFUP_submittal Agencies WQMP 2014 Addendum

Jane Manibusan

From: Utrup, Nick <nick_utrup@fws.gov>
Sent: Wednesday, June 04, 2014 2:32 PM
To: Jane Manibusan
Cc: Jereme Klassy
Subject: Re: WQ Contacts

You can submit all reports and address all FERC related matters to the following contact:

Mr. Nick Utrup
U.S. Fish and Wildlife Service
Twin Cities Field Office
4101 American Boulevard East
Bloomington, MN 55425

Thanks,

Nick

Nick Utrup
U.S. Fish and Wildlife Service
Twin Cities Field Office
4101 American Boulevard East
Bloomington, MN 55425

Office: 612-725-3548 Ext. 2204
Cell: 952-567-9616
FAX: 612-725-3609
Email: Nick_Utrup@fws.gov

On Wed, Jun 4, 2014 at 2:27 PM, Jane Manibusan <Jane.manibusan@eaglecreekre.com> wrote:

Mr. Utrup,

Introduce myself, Jane Manibusan, Librarian/Compliance Associate of Eagle Creek Renewable Energy. (Formerly known as North American Hydro).

Following up with Water Quality Contacts FERC requirements. Please accept our apologies for the delay of contact.

You have been listed as the Contact, WI/MN Ecological Service Field Office, US Fish and Wildlife Services for our Hydroelectric Projects –

Oconto Falls Upper and Oconto Falls Lower located in the County of Oconto -Oconto River, Oconto Falls Wisconsin.

Sir, will we continue to submit our reports regarding FERC Water Quality Monitoring Data and or is there another individual that is responsible for duties.

Thank you in advance for your cooperation and patients. Any questions or assistance, do not hesitate to reach Jereme Klassy in the Midwest Operation Office

(920) 293-4628 ext. 322 or by email at Jereme.klassy@eaglecreekre.com

Jane Manibusan

Eagle Creek Renewable Energy

Midwest Operations

920-293-4628 ext. 318

Jane.manibusan@eaglecreekre.com

Jane Manibusan

From: Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>
Sent: Thursday, May 01, 2014 12:34 PM
To: Jane Manibusan
Subject: RE: Water Quality Contacts

All FERC related reports should be sent to my attention. My contact information is listed below. I am the agency FERC Coordinator, and will work with the appropriate staff as necessary. Thanks

Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Dept of Natural Resources
N7725 Hwy 28
Horicon WI 53032
(T) 920-387-7869 (Fax) 920-387-7888
Cheryl.laatsch@wisconsin.gov

From: Jane Manibusan [mailto:Jane.manibusan@nahydro.com]
Sent: Thursday, May 01, 2014 12:29 PM
To: Laatsch, Cheryl - DNR
Subject: FW: Water Quality Contacts

Ms. Laatsch

Would like to ask for your assistant: I am trying to locate the WQ Biologist-WDNR that is responsible for Oconto Falls, WI- County of Oconto.

I am attaching an email sent to Mr. Reyburn and the email returned.

Thank you in advance for your assistance.
Jane

From: Jane Manibusan
Sent: Thursday, May 01, 2014 12:24 PM
To: 'james.reyburn@wisconsin.gov'
Subject: Water Quality Contacts

Mr. Reyburn

Introduce myself, Jane Manibusan, Librarian/Compliance Associate of North American Hydro. Following up with Water Quality Contacts FERC requirements.

You have been listed as the Contact WQ Biologist, WDNR for our Hydroelectric Projects – Oconto Falls Upper and Oconto Falls Lower

located in the County of Oconto -Oconto River, Oconto Falls Wisconsin.

Sir, will we continue to submit our reports regarding FERC Water Quality Monitoring Data and or is there another individual that is responsible for duties.

Thank you in advance for your cooperation and patients.

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