



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](mailto:jereme.klassy@eaglecreekre.com).

Sincerely,  
Eagle Creek Renewable Energy  
Agent for Licensee

A handwritten signature in black ink, appearing to read "Scott Klabunde".

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)

**Water Quality Monitoring Data**  
Month of August 2014

**Oconto Falls Upper  
Hydroelectric Project  
FERC# P-2523**



**NEW Hydro LLC (Licensee)**  
**Eagle Creek Renewable Energy LLC**  
Midwest Operation  
116 N. State Street, PO Box 167  
Neshkoro, WI 54960-0167

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

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<sup>i</sup> CD enclosed – weekly monitoring data of the Reservoir, continuous monitoring data from the tailrace month of August 2014.

**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 J. Blakely*

# 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: 11:00

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*

# 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*

**Water Quality Monitoring Data**  
Month of August 2014

**COMPLIANCE/ENERGY RECORD**

**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					
Aug 01	8:00	240	0	5780	0	0	0	230	219.46	5620	11400				
Aug 08	8:00	0	0	0	0	0	0	440	56.33	8110	8110				
Aug 15	8:00	0	0	0	0	0	0	420	129.05	10420	10420				
Aug 22	8:00	0	0	0	400	15.31	9640	430	198.25	10210	19850				
Aug 29	8:00	300	76.84	4870	0	0	0	300	249.81	8540	13410				

**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 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

# 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

(80°F)

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	11:15	9.70	25.2
1 meter	}	8.88	24.7
2 meters		6.55	23.9
3 meters		6.42	23.9
4 meters		5.51	23.3
5 meters		4.86	22.9
6 meters		4.99	22.6
7 meters		0.11	20.4
100 mm above bottom		0.03	19.5

**Hach HQ40d Second Unit**

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

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 5mph

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	11:15 	7.70	21.8
1 meter		7.34	21.7
2 meters		7.32	21.4
3 meters		7.11	21.2
4 meters		6.42	20.8
5 meters		5.63	20.3
6 meters		5.51	20.1
7 meters		4.90	20.0
100 mm above bottom		0.21	19.5

**Hach HQ40d Second Unit**

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

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 UP Measured Depth to Bottom: 7.6m

**HQ40d Sample Data**

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

**Hach HQ40d Second Unit**

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

Comments: \_\_\_\_\_

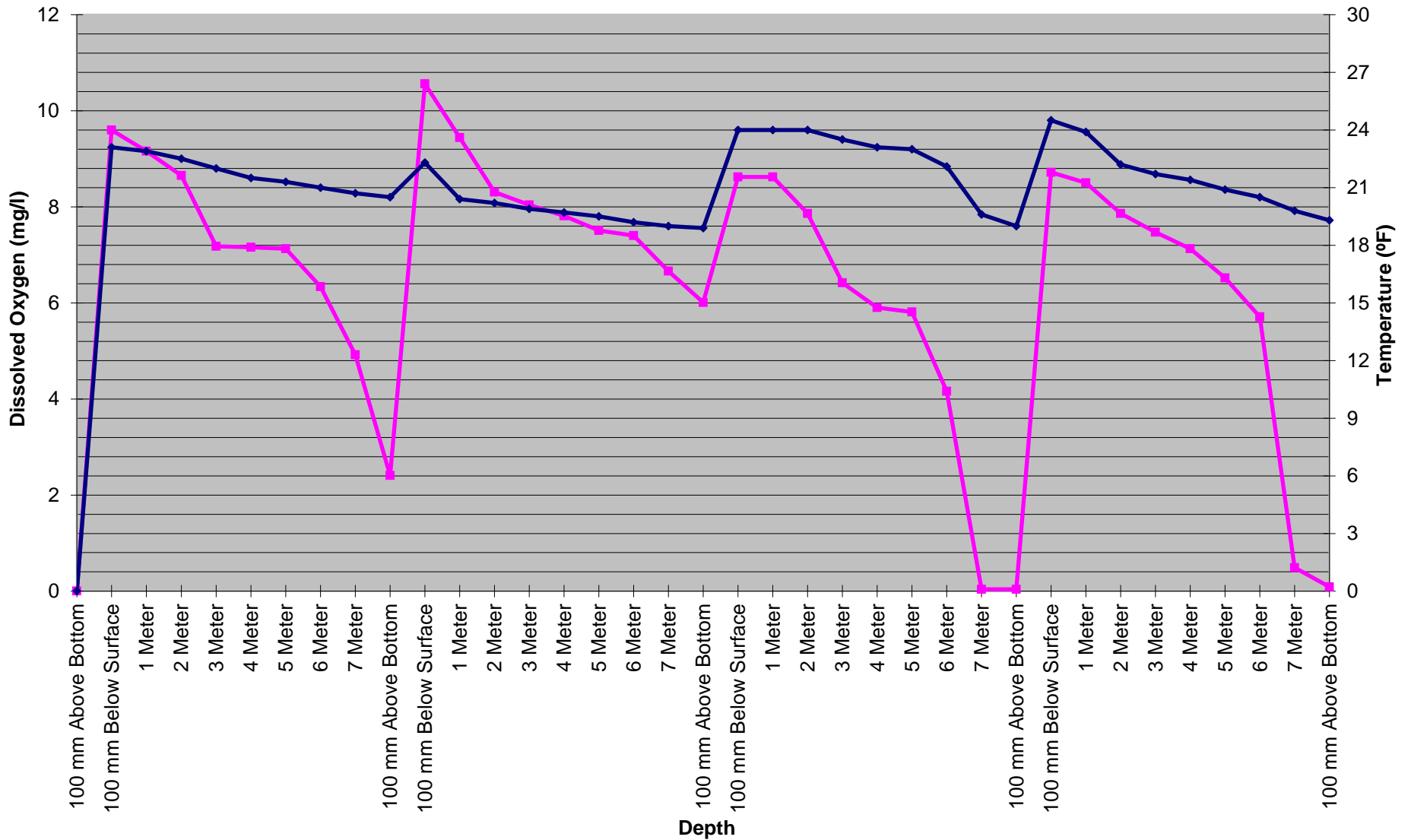
Power Production Records for Previous 24 Hours Recovered:  Upper Dam  Lower Dam

Performed By: Joe LeBrock John Funderburg

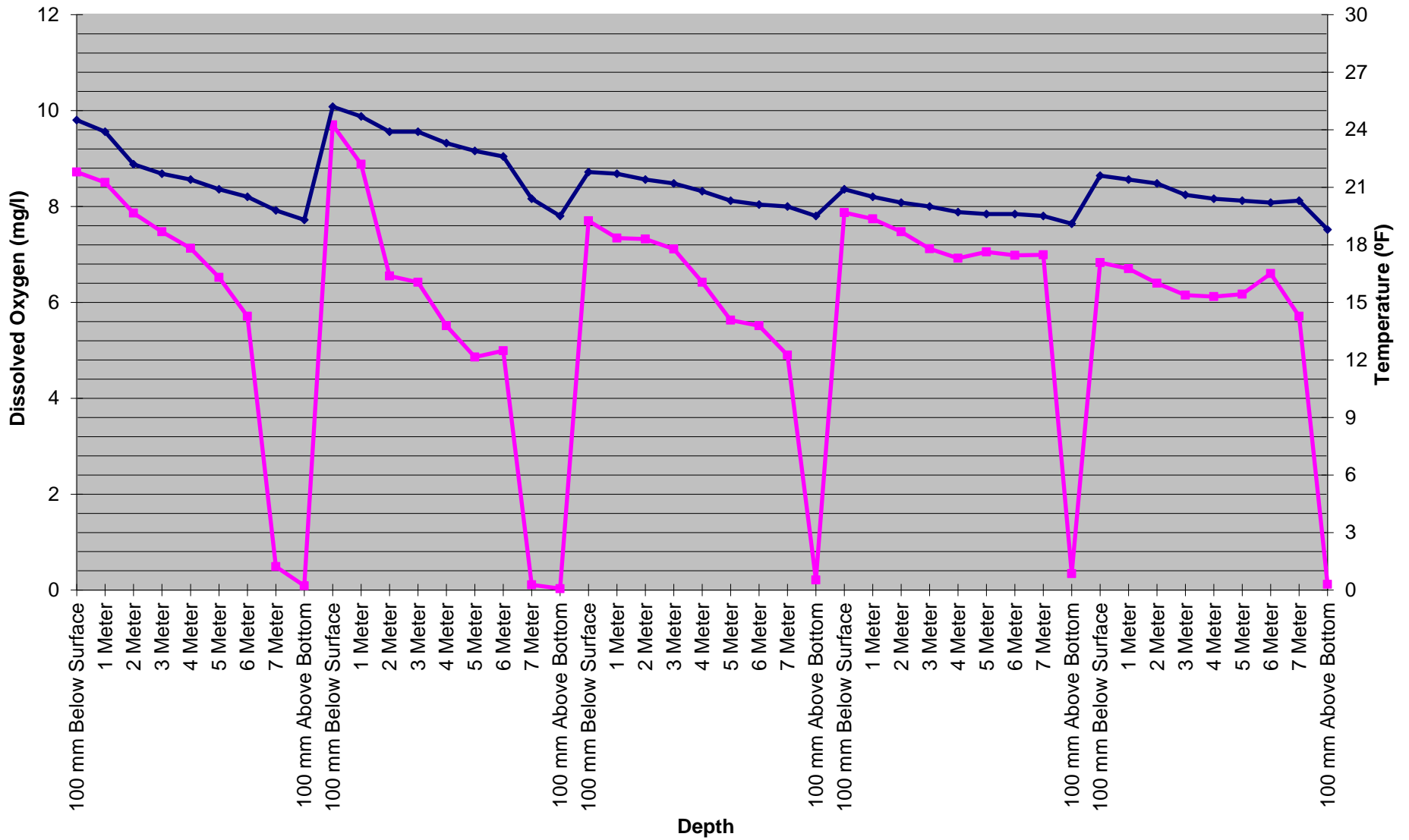
**Water Quality Monitoring Data**  
Month of August 2014

**APPENDIX B**  
**RESERVOIR SAMPLING GRAPHS**

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



**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 August 2014

**APPENDIX C**  
**TAILWATER SAMPLING DATA**



Water Quality Monitoring Data August 01-19, 2014  
 Oconto Falls Upper P-2523  
 License Article #405

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

Water Quality Monitoring Data August 01-19, 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
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

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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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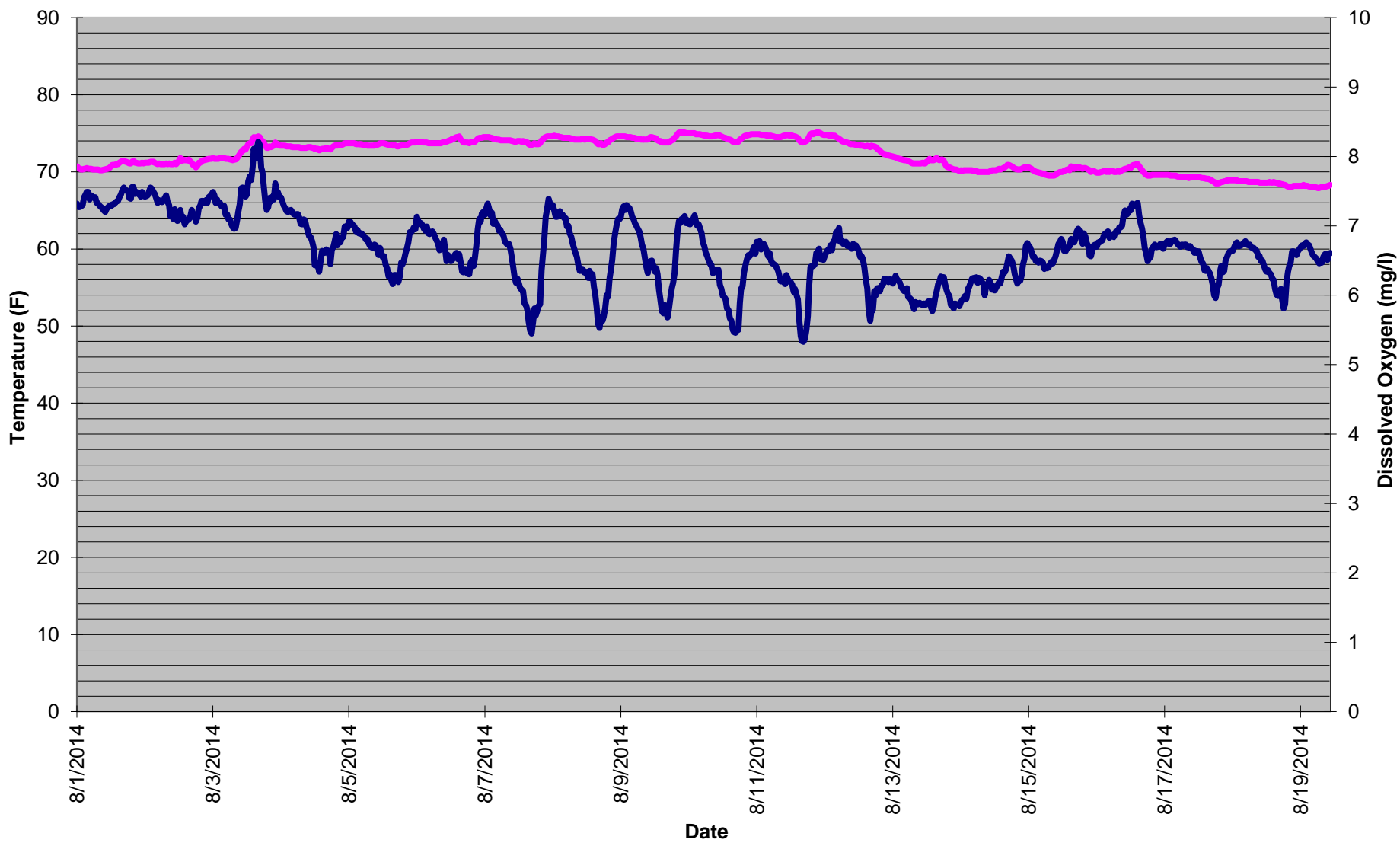
Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
8/31/2014	17:00:00	68.5	7.84	318	6.63	11.3
8/31/2014	17:30:00	68.4	7.83	317	6.57	11.3
8/31/2014	18:00:00	68.4	7.82	317	6.55	11.2
8/31/2014	18:30:00	68.4	7.82	317	6.57	11.2
8/31/2014	19:00:00	68.3	7.82	317	6.54	11.2
8/31/2014	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 August 2014

**APPENDIX D**  
**TAILWATER SAMPLING GRAPH**

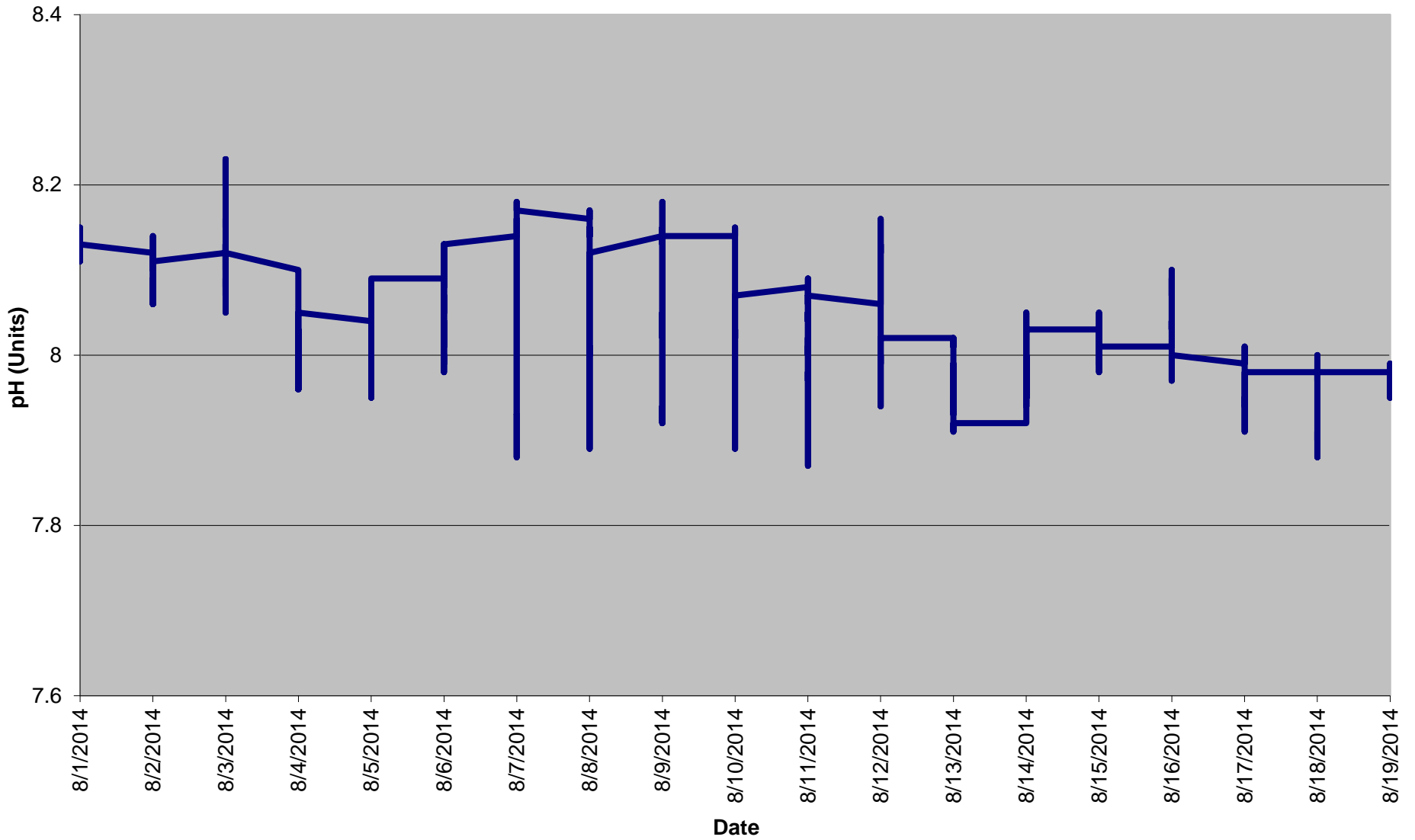
Oconto Falls Upper FERC #2523  
Tailwater  
August 1 - 19, 2014  
Temperature and Dissolved Oxygen

Temp °F LDO mg/l



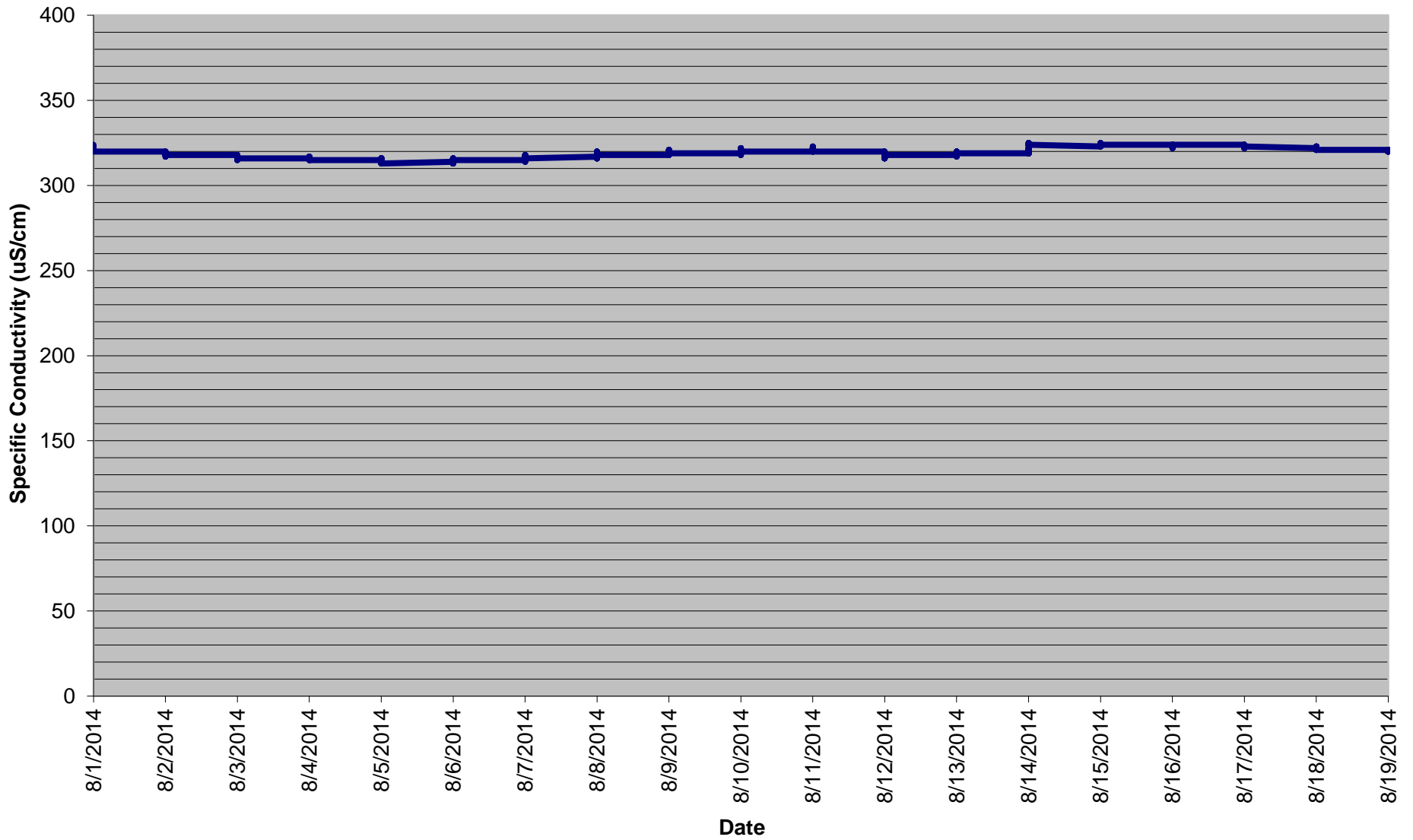
Oconto Falls Upper FERC #2523  
Tailwater  
August 1 - 19, 2014  
pH

pH (Units)



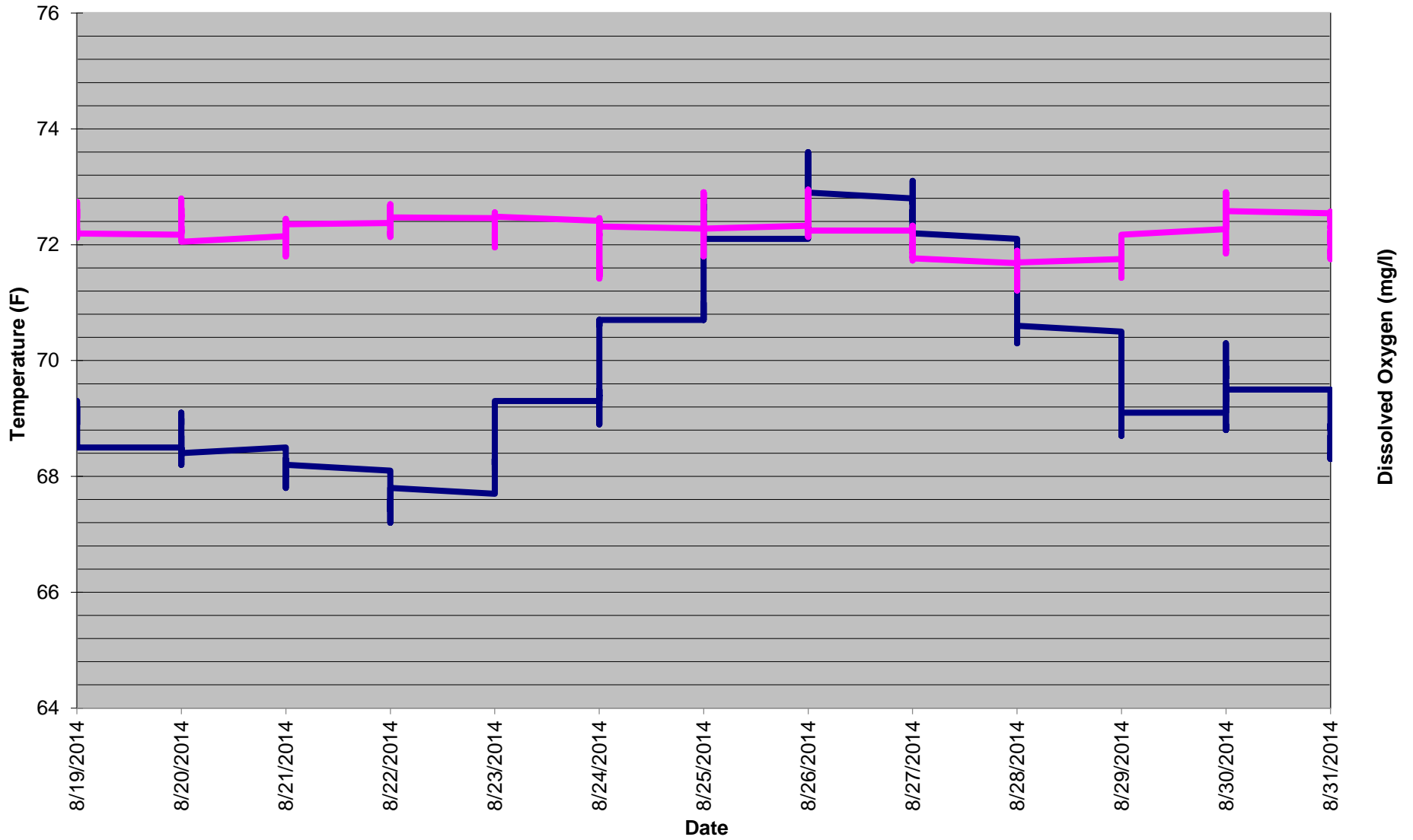
Oconto Falls Upper FERC #2523  
Tailwater  
August 1 - 19, 2014  
Specific Conductivity

SpCond  $\mu\text{S}/\text{cm}$



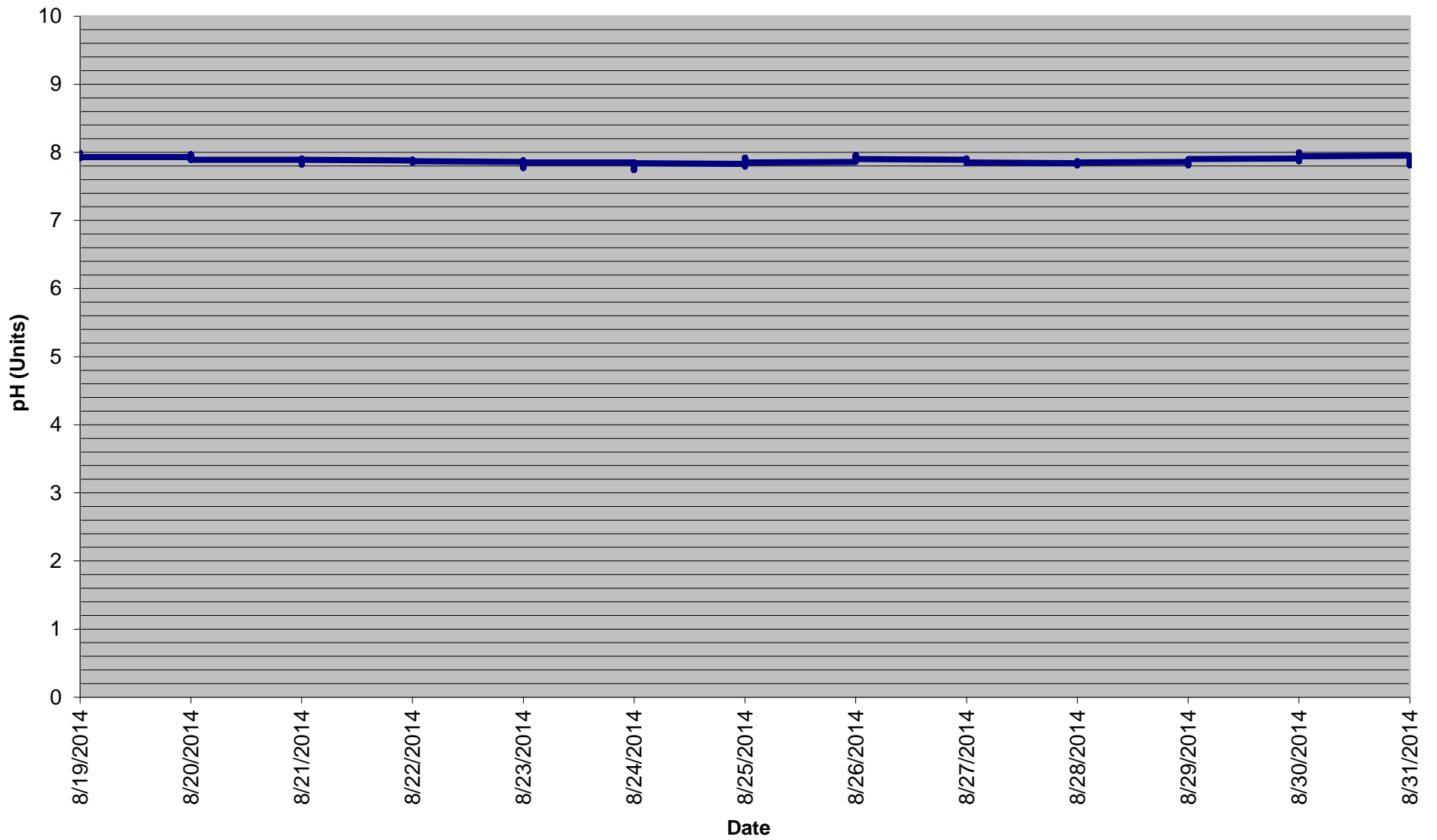
Oconto Falls Upper FERC #2523  
Tailwater  
August 19 - August 31, 2014  
Temperature and Dissolved Oxygen

Temp °F LDO mg/l



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

pH (Units)





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

Sp Cond (uS/cm)

