



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)

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

TABLE OF CONTENTS

- 1: Oconto Falls Sampling Locations Map
- 2: Tailwater Equipment Calibration Record
- 3: Compliance/Energy Record

ⁱAppendices:

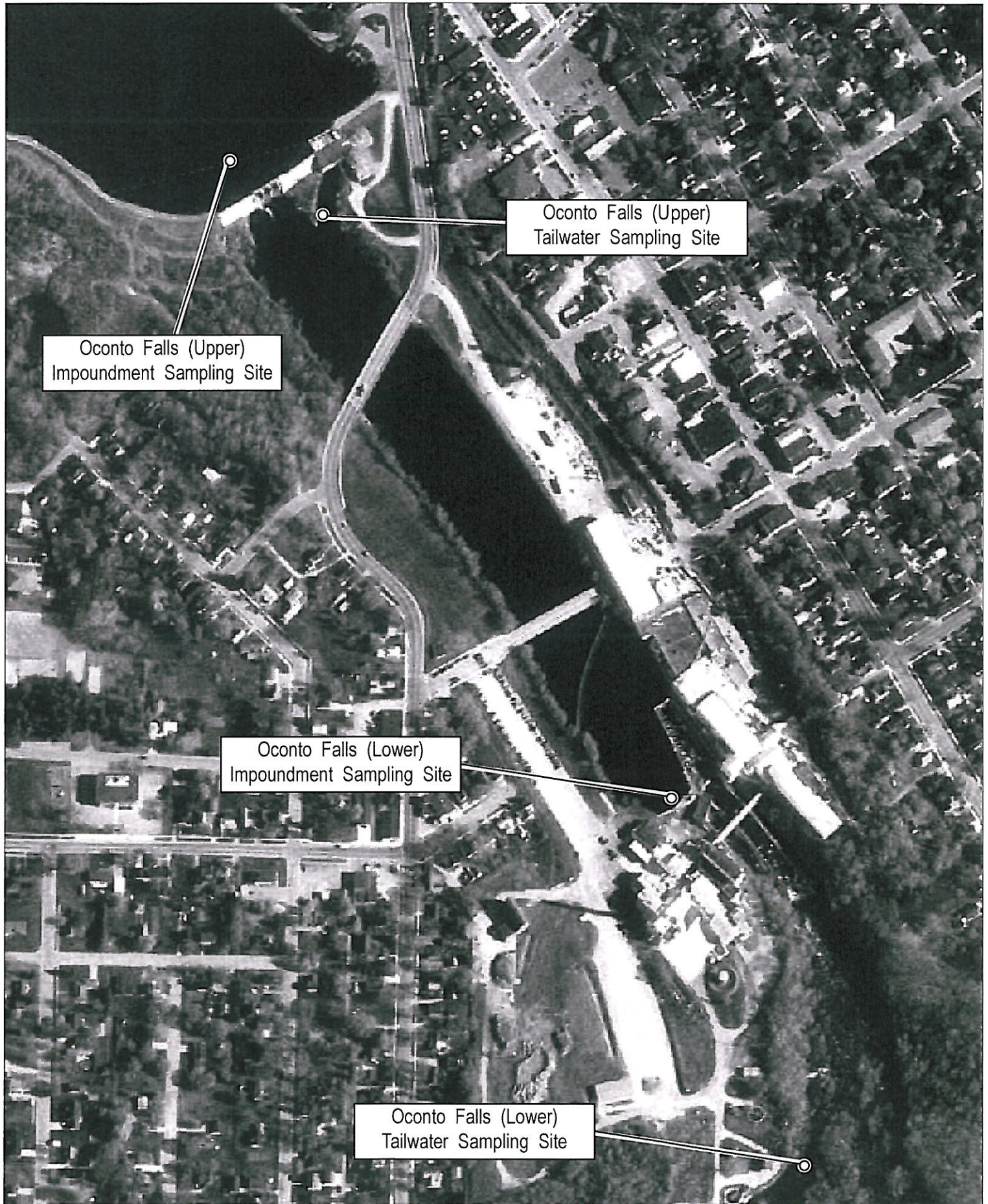
- A: Reservoir Sampling Data
- B: Reservoir Sampling Graphs
- C: Tailwater Sampling Data
- D: Tailwater Sampling Graphs

ⁱ CD enclosed – weekly monitoring data of the Reservoir, continuous monitoring data from the tailrace month of July 2014.

**SAMPLING LOCATION MAP
OCONTO FALLS**

OCONTO FALLS WATER QUALITY MONITORING

Sampling Locations



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

Water Quality Monitoring Data
Month of September 2014

COMPLIANCE/ENERGY RECORD

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 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 #: OF4P 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

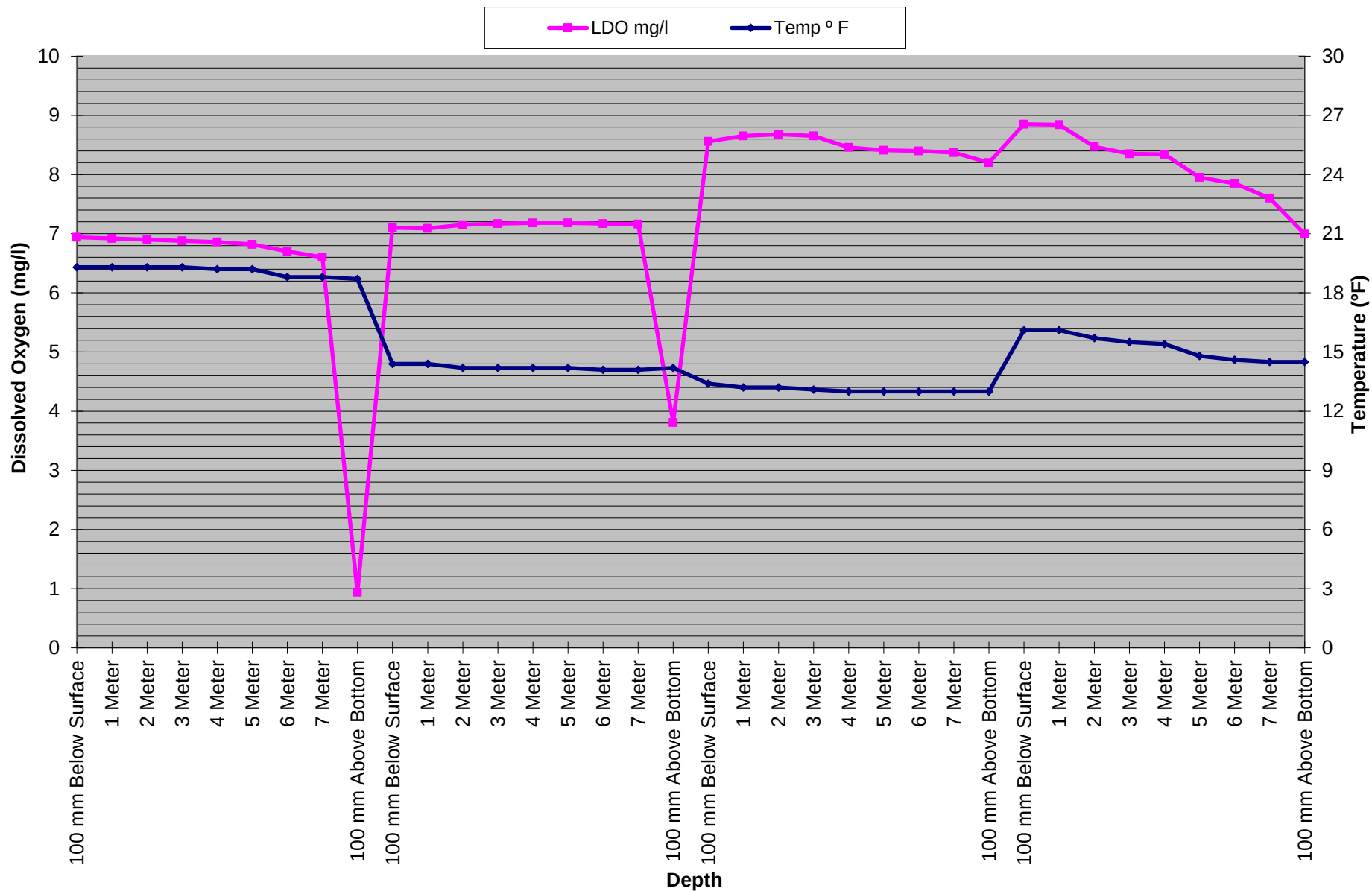
Water Quality Monitoring Reservoir Sampling Data
 July 01-September 30, 2014
 Oconto Falls Upper P-2523

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 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 September 2014

APPENDIX C
TAILWATER SAMPLING DATA

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

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

Water Quality Monitoring Data September 01-15 , 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
9/11/2014	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

Water Quality Monitoring Data September 01-15 , 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
9/12/2014	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

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

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

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
9/21/2014	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

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
9/22/2014	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

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
9/23/2014	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

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
9/24/2014	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

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
9/25/2014	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
License Article #405

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
License Article #405

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
License Article #405

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
License Article #405

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

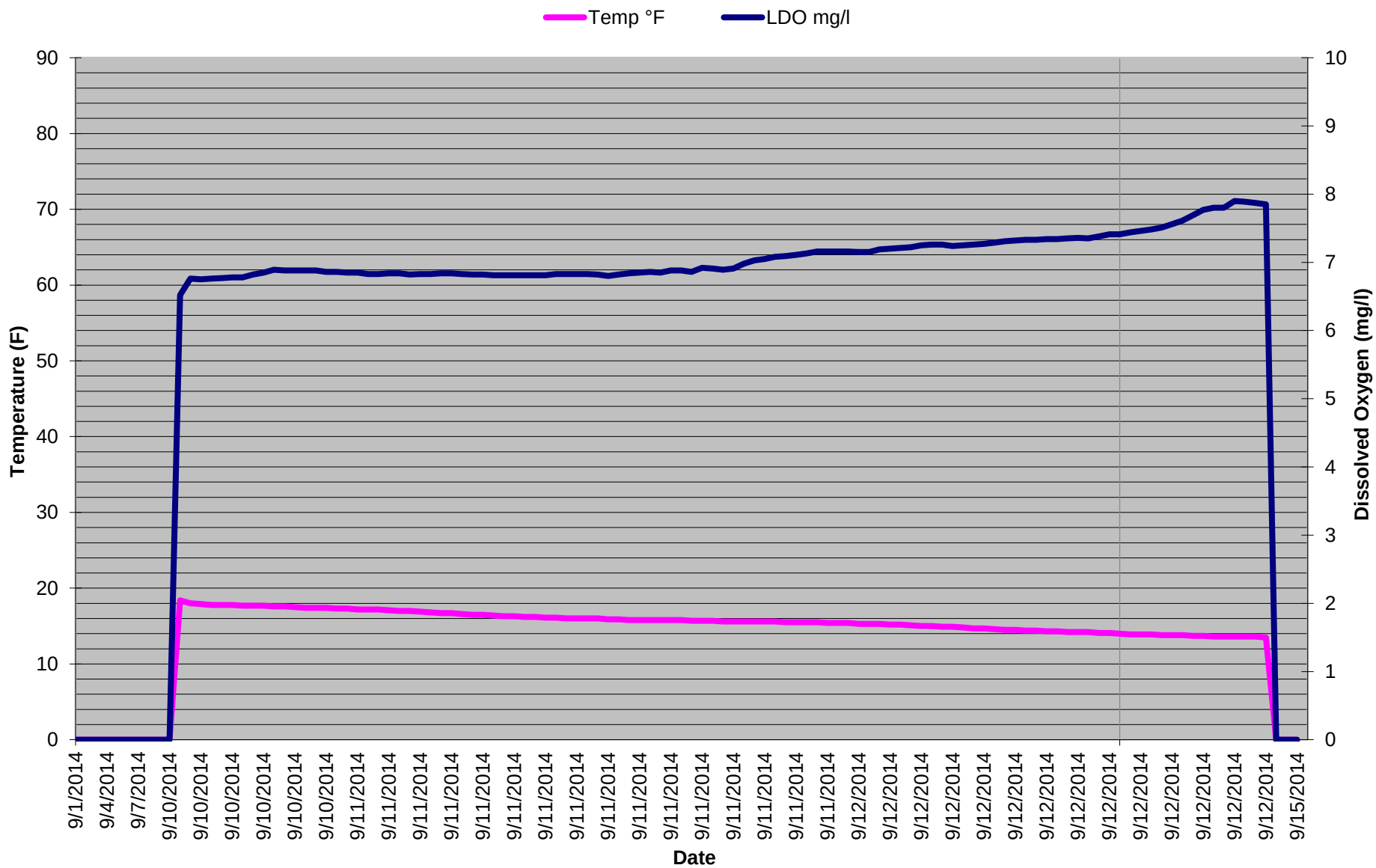
Date M/D/YYYY	Time HH:MM:SS	Temp °F	pH Units	SpCond µS/cm	LDO mg/l	IBatt Volts
9/30/2014	7:00:09 AM	15.6	0	0	7.95	0
9/30/2014	7:30:09 AM	15.5	0	0	7.95	0
9/30/2014	8:00:09 AM	15.4	0	0	7.96	0
9/30/2014	8:30:09 AM	15.4	0	0	7.92	0
9/30/2014	9:00:09 AM	15.3	0	0	7.89	0
9/30/2014	9:30:09 AM	15.2	0	0	7.87	0
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 September 2014

APPENDIX D
TAILWATER SAMPLING GRAPH

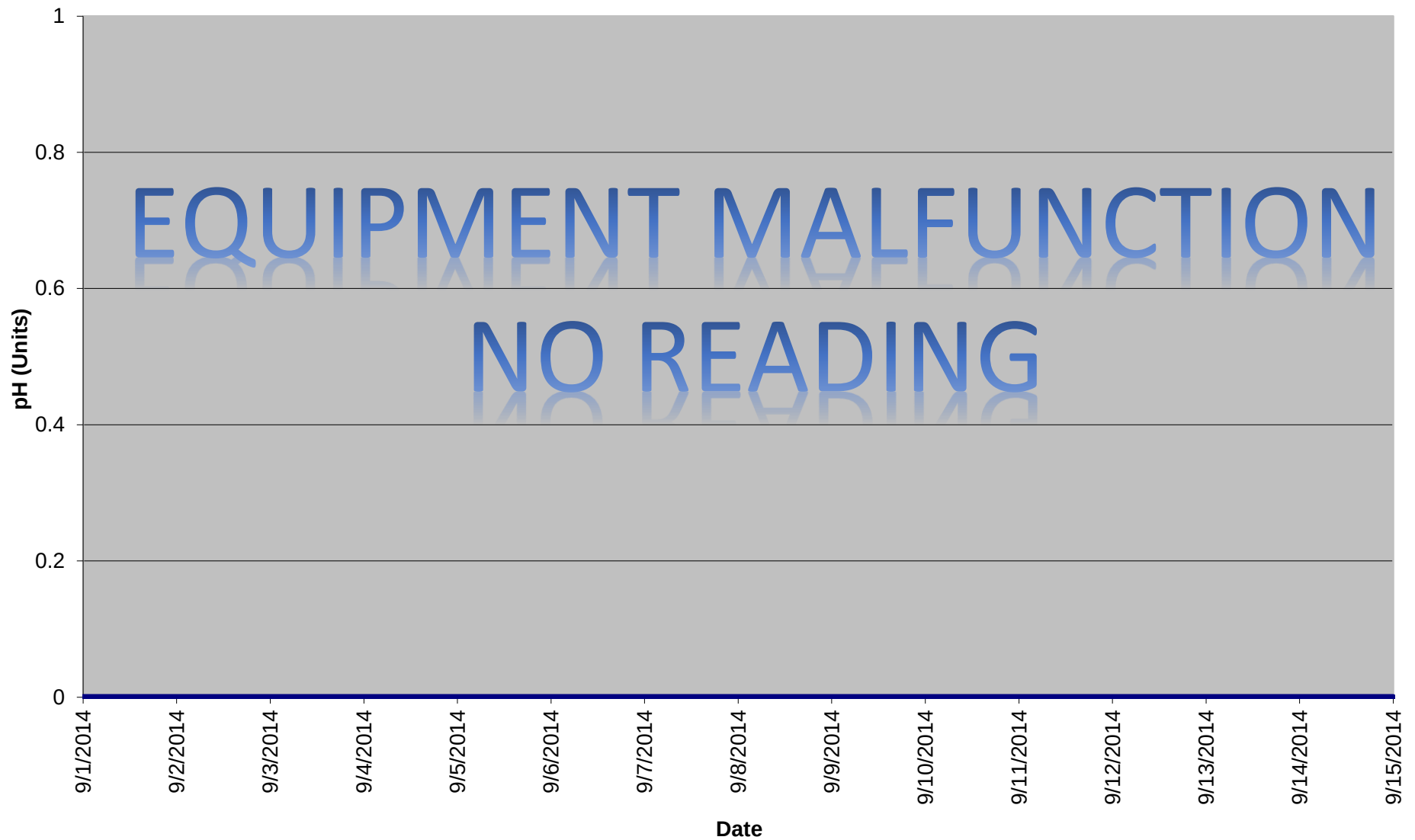
Oconto Falls Upper FERC #2523
Tailwater
September 01-15 , 2014
Temperature and Dissolved Oxygen

EQUIPMENT MALFUNCTION
MONITORING MONTH SEPT

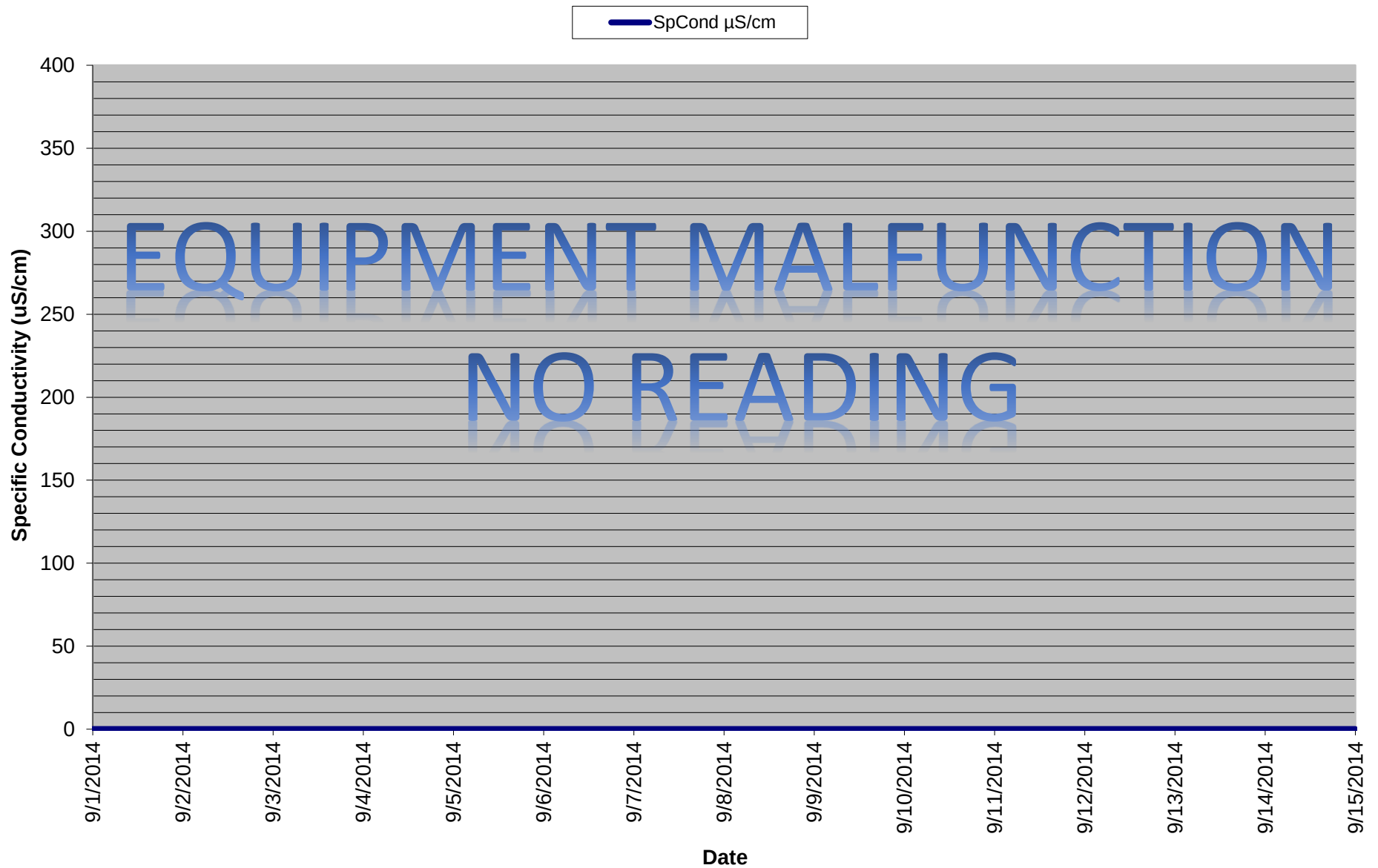


Oconto Falls Upper FERC #2523
Tailwater
September 01-15 , 2014
pH

pH (Units)

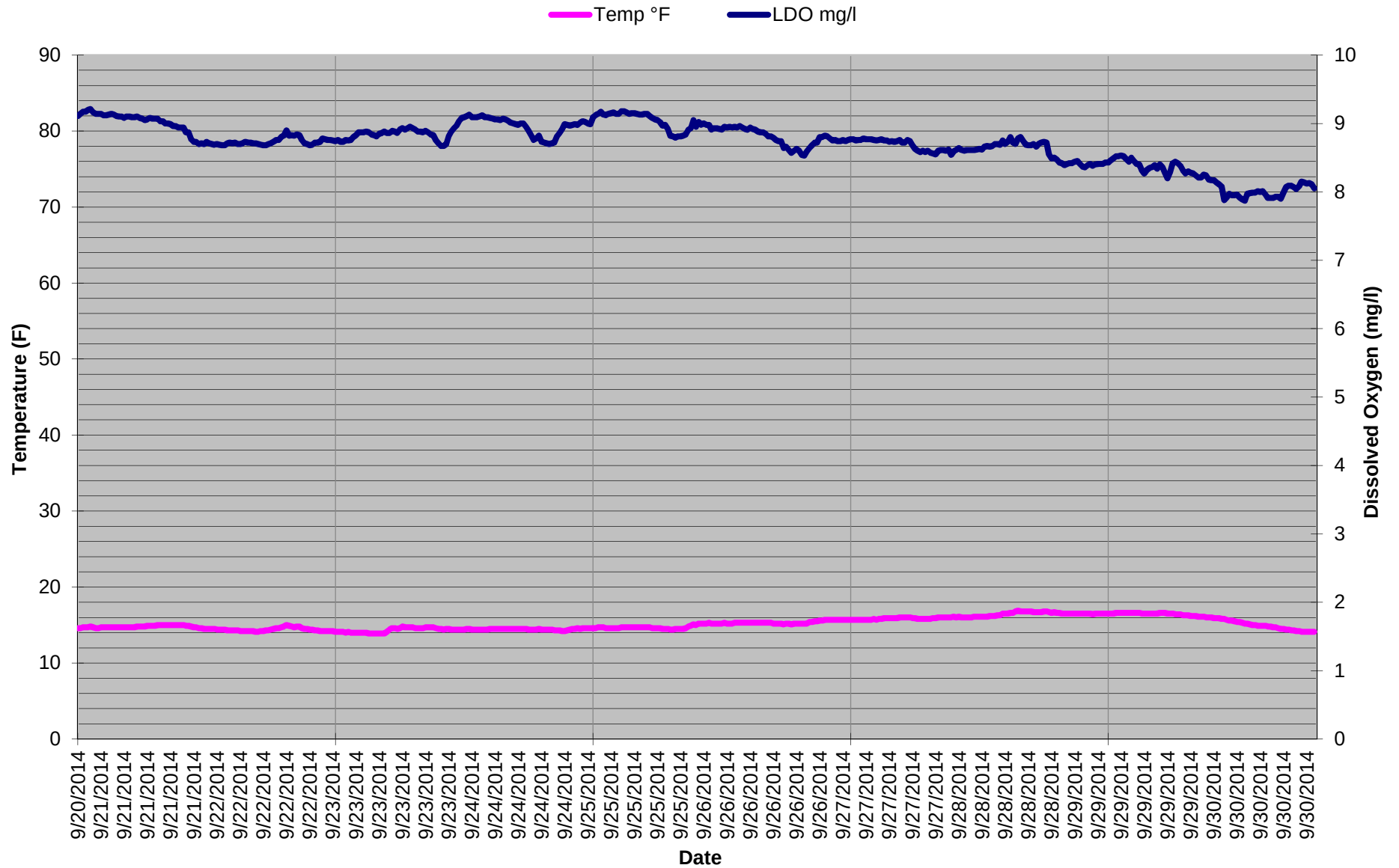


Oconto Falls Upper FERC #2523
Tailwater
September 1-15, 2014
Specific Conductivity



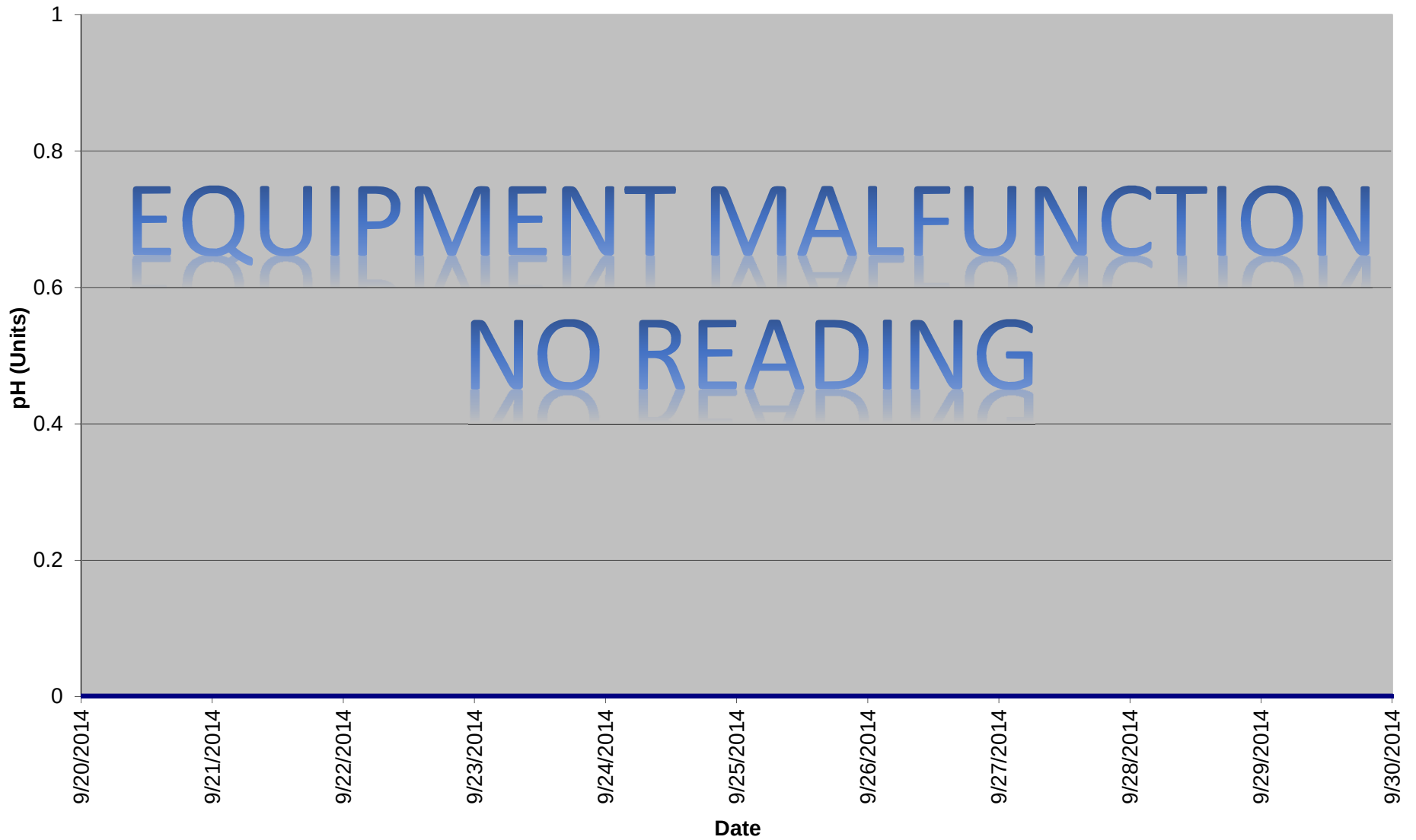
Oconto Falls Upper FERC #2523
Tailwater
September 20-30 , 2014
Temperature and Dissolved Oxygen

EQUIPMENT MALFUNCTION
MONITORING MONTH SEPT



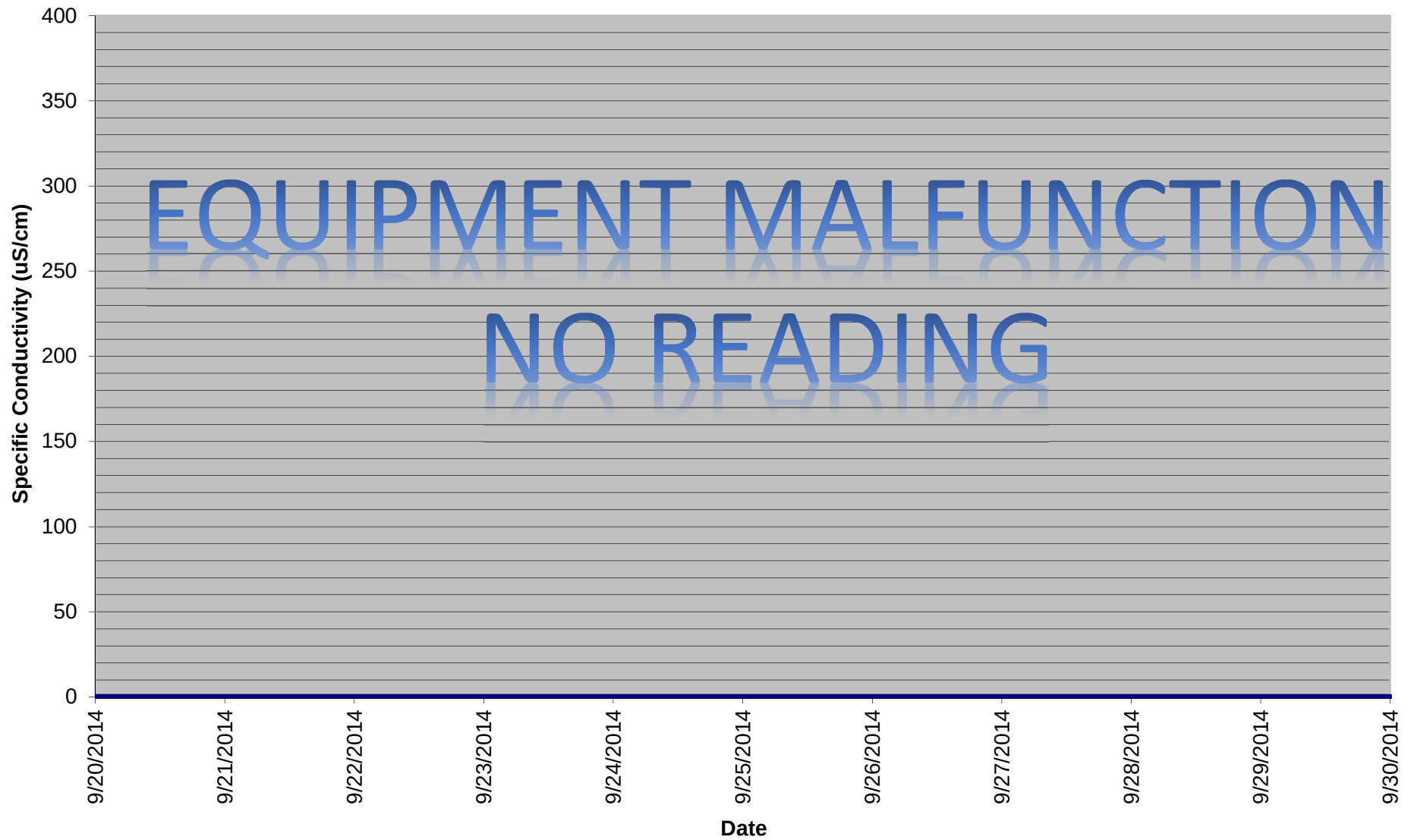
Oconto Falls Upper FERC #2523
Tailwater
September 20-30 , 2014
pH

pH (Units)



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

— SpCond $\mu\text{S}/\text{cm}$



Water Quality Monitoring Data
Month of September 2014