

February 27, 2020

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

**RE: Danbury Hydroelectric Project  
FERC Project Number 9184  
Flambeau Hydro LLC  
Final Report 2019 Water Quality Monitoring Data**

Dear Ms. Bose:

On behalf of Flambeau Hydro LLC, "Flambeau" (Licensee), Renewable World Energies, LLC (RWE) is submitting a copy of the *Final Report 2019 Water Quality Monitoring Data* for the Danbury Hydroelectric Project. The Federal Energy Regulatory Commission "FERC" issued a License to Flambeau on September 5, 2006. This report is submitted as a requirement of that License pursuant to License Article 401 WQC, Condition K. 2019 was the 13th year monitoring was conducted since the license was issued, but is the 8<sup>th</sup> year of submittal by RWE on the behalf of the Licensee.

Monitoring was conducted on April 29, July 23, and August 13, 2019. No issues were encountered during the 2019 monitoring season. All data has been given to the DNR to be entered into the SWIMS Data Base. The draft report was sent to the agencies by an attachment to an email on November 26, 2019 for review and comment. Cheryl Laatsch of the DNR did send a reply of "thank you" after the data was sent. The next scheduled monitoring event will be conducted in 2020.

If you have any questions concerning this submittal, please contact Brian Kreuzscher at the Renewable World Energies, LLC offices @ 855-994-9376 Ext 230. He can also be reached by e-mail at [bkreuscher@rwehydro.com](mailto:bkreuscher@rwehydro.com).

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Sincerely,  
**Renewable World Energies, LLC**  
**Agent for Licensee**

A handwritten signature in black ink, appearing to read "J. Kreuzer".

Handwritten initials "JOK" in black ink, enclosed in a small square box.

Mr. Jason Kreuzer  
Vice President, Operations

Attachment: Final Report 2019 Water Quality Monitoring Data  
Correspondence

Cc: Ms. Cheryl Laatsch, WDNR  
Mr. Nick Utrup, USFWS

# Report

2019 Water Quality Monitoring Data

for the

Danbury Hydroelectric Project

FERC Project #9184

Flambeau Hydro, LLC

Yellow River,  
Burnett County, Wisconsin

Respectfully Submitted by:

Angie Stine



429 River Lane, P.O. Box 27  
Amasa, Michigan 49903

Phone: 906-822-7889

## Summary Danbury Hydroelectric Project – FERC #9184

2019 marked the thirteenth year of water quality sampling under FERC License issued on September 5, 2006 to Flambeau Hydro, LLC for the Danbury Hydroelectric Project – FERC Project # 9184 and specifically License Article 401 WQC, Condition K. Monitoring was conducted on April 29, July 23, and August 13, 2019. This document contains all of the associated records for the 2019 monitoring along with summary figures and tables in four appendices: (1) Appendix A (Figures 1-4), (2) Appendix B (Tables 1-3), (3) Appendix C (sampling logs by date), and (4) Appendix D (laboratory reports and chains of custody).

A map of the Danbury Hydroelectric Project is shown in Figure 1 indicating the water quality sampling location.

Monitoring results for 2019 are shown in Table 1. No unusual Temperature (Figure 2) or Dissolved Oxygen (Figure 3) readings were observed in May but in July the D.O. was below 5.0 mg/L the 18.5 feet and in August the D.O. was below 5.0 mg/L at 7.0 feet with 4.87 mg/L. The Secchi depths are shown in Figure 4.

In general, the weather (temperature and rainfall) during 2019 monitoring season appeared slightly warmer in May, June, and July, & August, with lower than normal precipitation in January, March, April, June, July and August, and normal to high precipitation in the months of October, December, February, May, and September (Table 2).

Ice-Out occurred between Yellow River sometime during the week beginning April 22, 2019. The Ice-Out sampling event occurred on April 29, 2019. River flow, based on the Danbury Hydroelectric Project records, was approximately 380 cubic feet per second. Sampling occurred between 1320 and 1340. Samples were taken without incident. No unusual D.O. or Temperature readings were observed. Samples for laboratory analysis were delivered to White Water Associates, Inc. laboratory in Amasa, MI on April 30, 2019. White Water Associates, Inc. issued a laboratory report on May 21, 2019. No unusual levels of Chlorophyll *a*, True Color, or Total Phosphorus were noted in the laboratory reports.

River flow, based on Danbury Hydroelectric Project records, was approximately 123 cubic feet per second during the July 23, 2019 sampling event. Sampling occurred between 1349 and 1402. Samples were taken without incident. No unusual Temperature readings were observed but the D.O. was below 5.0 mg/L at 18.5 feet (4.55 mg/L). Samples for laboratory analysis were delivered to White Water Associates, Inc. laboratory in Amasa, MI on July 23, 2019. White Water Associates, Inc. issued a laboratory report on August 27, 2019. No unusual levels of Chlorophyll *a*, True Color, or Total Phosphorus were noted in the laboratory reports.

River flow, based on Danbury Hydroelectric Project records, was approximately 123 cubic feet per second during the August 13, 2019 sampling event. Sampling occurred between 1450 and 1503. Samples were taken without incident. No unusual Temperature readings were observed but the D.O. was below 5.0 mg/L at 7 feet (4.87 mg/L). Samples for laboratory analysis were delivered to White Water

Associates, Inc. laboratory in Amasa, MI on August 15, 2019. White Water Associates, Inc. issued a laboratory report on September 13, 2019. No unusual levels of Chlorophyll *a*, True Color, or Total Phosphorus were noted in the laboratory reports.

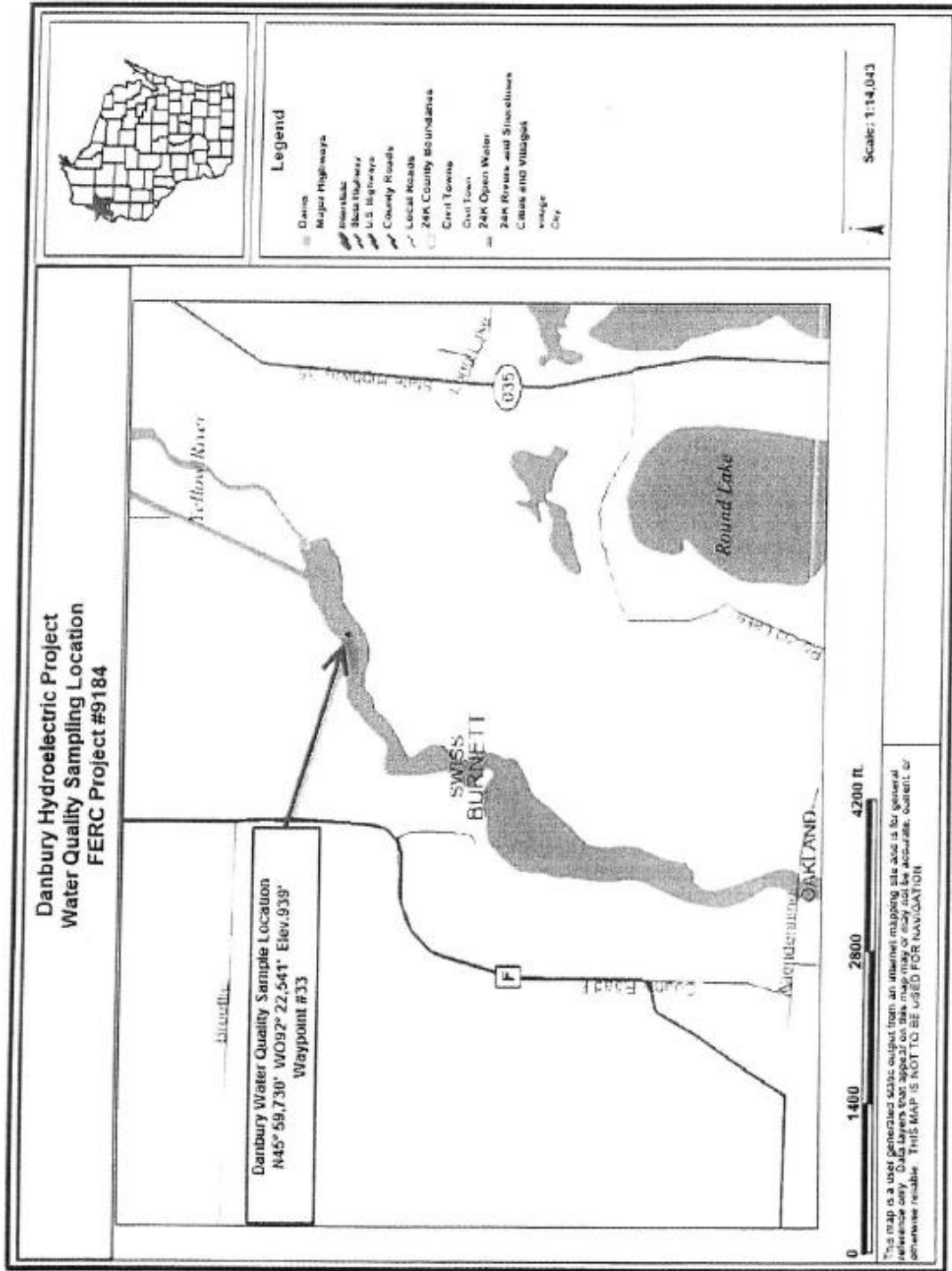
A summary of a comparison between the 2011 thru 2019 (Table 3) sampling results are as follows:

1. Water Clarity – Secchi Increased Ice Out and July
2. Chlorophyll *a* – Decreased Ice Out, increase July and August
3. Color – Increased Ice Out and August, decreased July and August
4. Total Phosphorus – Decreased Ice Out and July, increase August
5. Overall, D.O. –Increased Ice Out, July, and August
6. Water Temperatures – Decreased Ice Out, July and August

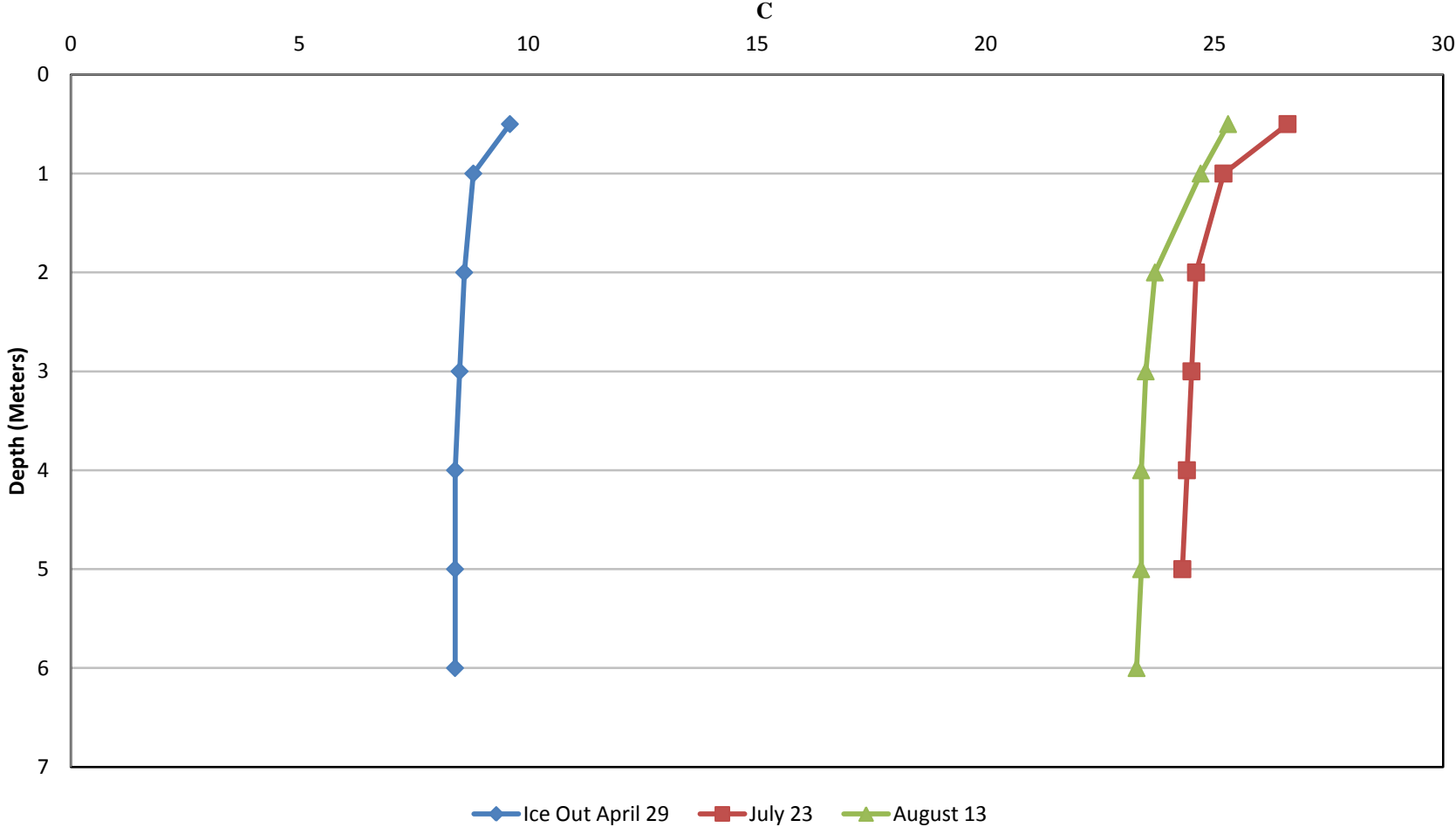
The next scheduled Water Quality Monitoring at the Danbury Hydroelectric Project is set to take place in 2020 beginning with the Ice-Out sampling event.

## **Appendix A - Danbury Hydroelectric Project Figures**

Figure 1. Danbury Hydroelectric Project Map

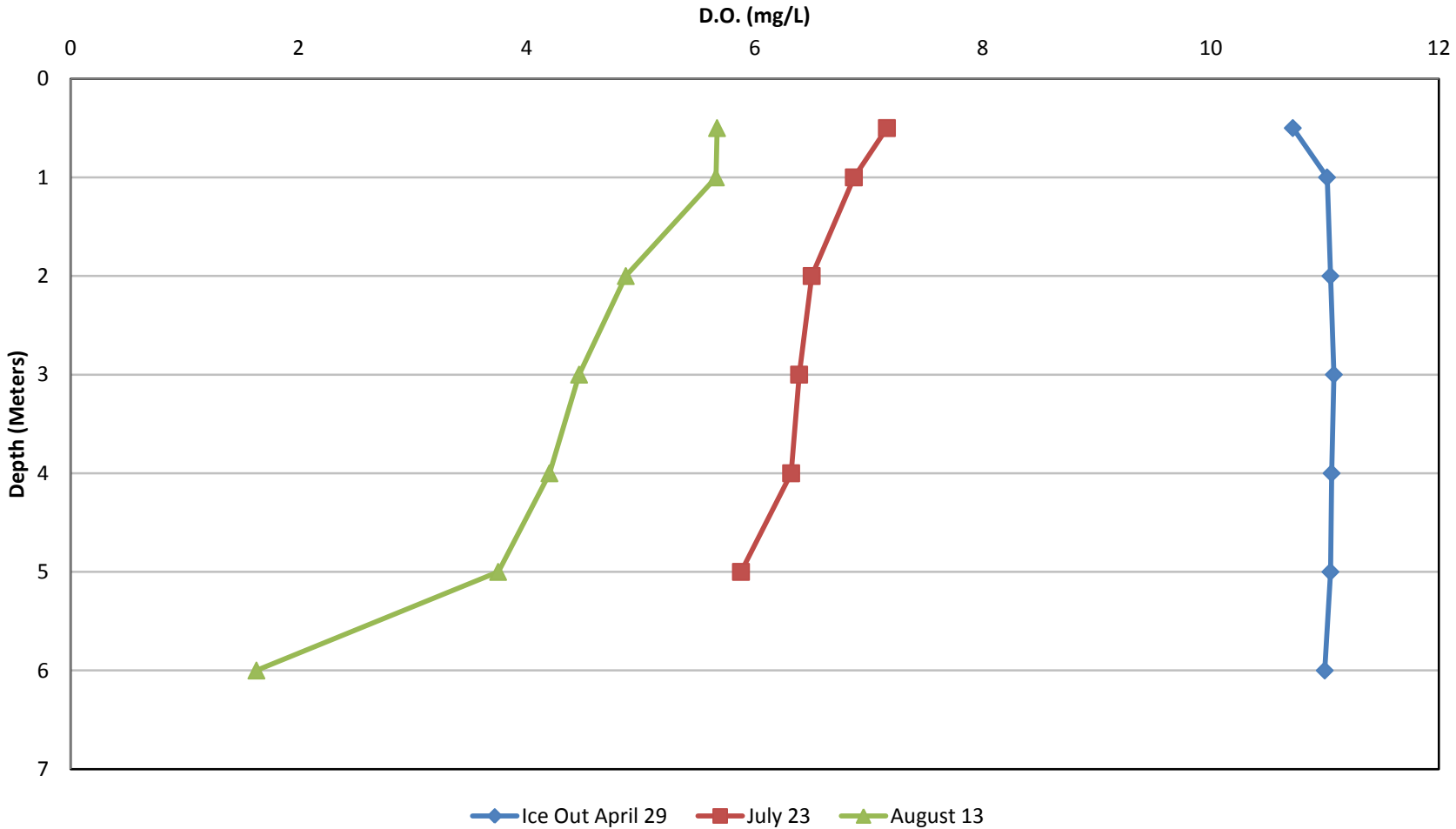


**Figure 2. Danbury Impoundment - FERC #9184  
2019 Temperature Profiles**

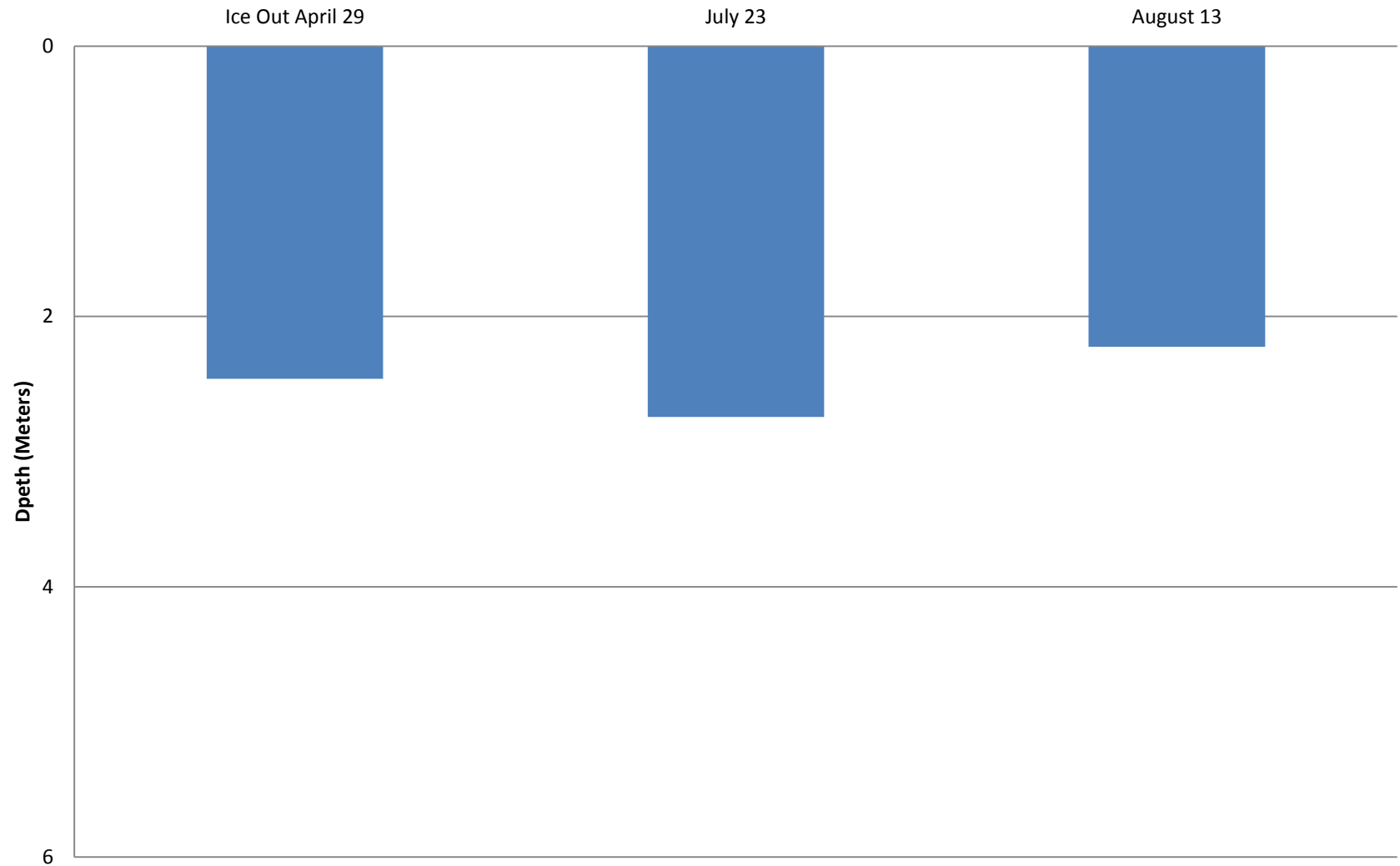




**Figure 3. Danbury Impoundment - FERC #9184  
2019 Dissolved Oxygen Profiles**



**Figure 4. Danbury Impoundement - FERC# 9184 2019 Secchi Depth**



## **Appendix B - Danbury Hydroelectric Project Tables**

Table 1. Danbury Hydroelectric Project – FERC Project # 9184: 2019 Water Quality Sampling Data

	Ice Out April 29, 2019			July 23, 2019			August 13, 2019		
<b>Project Flow (c.f.s)</b>	380			123			123		
<b>Dissolved Oxygen</b>	<b>Time</b>	<b>D.O. (mg/L)</b>	<b>Water Temp. (°C)</b>	<b>Time</b>	<b>D.O. (mg/L)</b>	<b>Water Temp. (°C)</b>	<b>Time</b>	<b>D.O. (mg/L)</b>	<b>Water Temp. (°C)</b>
0.5 meter below surface	13:26:44	10.72	9.6	13:50:54	7.16	26.6	14:52:28	5.67	25.3
1 meter below surface	13:27:53	11.02	8.8	13:53:29	6.87	25.2	14:53:45	5.66	24.7
2 meter below surface	13:28:41	11.05	8.6	13:55:09	6.55	24.7	14:55:21	5.08	23.8
3 meter below surface	13:29:26	11.08	8.5	13:56:44	6.43	24.5	14:57:19	4.59	23.6
4 meter below surface	13:30:25	11.06	8.4	13:58:41	6.28	24.4	14:59:04	4.38	23.5
5 meter below surface	13:31:29	11.05	8.4	14:00:13	6.30	24.4	15:00:28	4.04	23.4
6 meter below surface	13:32:41	11.00	8.4	14:02:03	5.66	24.3	15:03:42	1.63	23.3
0.5 meter above bottom	13:33:10	10.98	8.3	14:02:53	4.55	24.2	15:03:56	2.89	23.4
<b>Secchi Disk</b>	<b>Time</b>	<b>Depth (m)</b>		<b>Time</b>	<b>Depth (m)</b>		<b>Time</b>	<b>Depth (m)</b>	
Meters below surface	13:40	2.46		13:50	2.743		14:53	2.23	
<b>Chlorophyll <i>a</i></b>	<b>Time</b>	<b>µg/L</b>		<b>Time</b>	<b>µg/L</b>		<b>Time</b>	<b>µg/L</b>	
1 meter below surface	13:32	9.70		13:53	3.50		14:53	4.50	
<b>Color (True)</b>	<b>Time</b>	<b>C.P.U. Units</b>	<b>LOD</b>	<b>Time</b>	<b>C.P.U. Units</b>	<b>LOD</b>	<b>Time</b>	<b>C.P.U. Units</b>	<b>LOD</b>
1 meter below surface	13:32	25.00	5*	13:53	15.00	5*	14:53	25.00	5*
<b>Total Phosphorus</b>	<b>Time</b>	<b>mg/L</b>	<b>LOD</b>	<b>Time</b>	<b>mg/L</b>	<b>LOD</b>	<b>Time</b>	<b>mg/L</b>	<b>LOD</b>
1 meter below surface	13:32	0.021	0.008*	13:53	0.045	0.008*	14:53	0.045	0.008*
1 meter above bottom	13:27	0.028	0.008*	13:58	0.044	0.008*	15:03	0.046	0.008*

\*Considered Method Detection Limit N/A = Not Applicable

Table 2. 2018/19 Water Year Monthly Temperature and Precipitation for Danbury, Wisconsin

Month	Highest Temp.	Lowest Temp.	Average Temp.	Departure From Normal	Heating Degree Days	Normal Degree Days	Total Precip.	Total Snowfall	Normal Precip.	% of Normal Precipitation
October - 18	66	26	41.0	-2.2	738	678	4.67	1.5	2.85	72
November - 18	44	-7	23.2	-5.6	1247	1088	1.67	12.2	2.09	75
December - 18	44	-9	21.6	6.8	1338	1556	1.77	19.8	1.21	78
January - 19	40	-31	7.6	-2.6	1772	1699	0.80	10.4	0.96	70
February - 19	31	-19	10.6	-4.5	1515	1399	1.88	36.4	0.81	73
March - 19	58	-19	24.9	-1.0	1237	1210	1.19	6.7	1.49	64
April - 19	74	16	40.2	0.06	737	762	2.19	6.5	2.43	65
May - 19	82	28	49.3	-2.1	478	426	3.87	13.3	3.23	65
June - 19	87	40	61.7	1.6	126	179	4.10	0.00	4.23	64
July - 19	89	49	71.1	5.3	4	63	2.63	0.00	3.85	66
August - 19	87	46	66.1	1.8	44	86	2.51	0.00	3.70	66
September - 19	83	37	59.6	4.0	172	298	5.76	0.00	4.11	74

Source: NOAA/Duluth, MN

Table 3. Danbury Project Sampling Comparison Table: 2012 Thru Current Year

Year	Month	Secchi Depth	Chlorophyll <i>a</i>	Color (True)	Total Phosphorus	Total Phosphorus	Low D.O.	High D.O.	Low Water Temp.	High Water Temp.
		meters	µg/L	C.P.U. Units	Below Surface mg/L	Above Bottom mg/L	mg/L	mg/L	° C	° C
2012	April	2.80	1.70	25.00	0.030	*	11.93	12.69	10.30	10.60
2013	May	2.00	9.60	25.00	0.036	0.034	11.05	11.19	10.20	11.60
2014	June	2.00	5.50	30.00	0.026	0.026	10.42	10.62	7.90	8.70
2015	April	2.10	11.00	20.00	0.045	0.033	10.32	10.43	11.00	13.40
2016	March	2.23	9.50	15.00	0.020	0.020	12.36	12.64	3.40	3.70
2017	April	2.50	7.10	10.00	0.010	0.012	11.08	11.19	8.40	10.00
2018	May	2.53	7.80	20.00	0.028	0.025	9.82	13.39	13.00	16.30
2019	April	2.46	9.70	25.00	0.021	0.028	10.72	11.08	8.30	9.60
<b>Minimum</b>	March-June	2.00	1.70	10.00	0.010	0.012	9.82	10.43	3.40	3.70
<b>Maximum</b>	March-June	2.80	11.00	30.00	0.045	0.034	12.36	13.39	13.00	16.30
<b>Average</b>	March-June	2.33	7.74	21.25	0.027	0.025	10.96	11.65	9.06	10.49
2012	July	1.90	6.90	40.00	0.062	0.061	2.96	7.04	26.10	26.70
2013	July	2.50	1.70	40.00	0.062	0.065	4.37	5.24	24.10	25.10
2014	July	2.20	3.30	50.00	0.044	0.044	6.85	20.80	7.86	22.00
2015	July	1.80	5.10	25.00	0.058	0.043	6.24	7.50	22.50	23.50
2016	July	2.38	10.00	20.00	0.022	0.022	5.72	6.77	25.30	27.50
2017	July	2.90	6.30	20.00	0.046	0.032	3.02	6.63	7.86	22.00
2018	July	1.80	14.00	20.00	0.067	0.064	2.87	6.64	25.50	28.00
2019	July	2.74	3.50	15.00	0.045	0.044	5.66	7.16	26.60	24.20
<b>Minimum</b>	July	1.80	1.70	15.00	0.022	0.022	2.87	5.24	7.86	22.00
<b>Maximum</b>	July	2.90	14.00	50.00	0.067	0.065	6.85	20.80	26.60	28.00
<b>Average</b>	July	2.28	6.35	28.75	0.051	0.047	4.71	8.47	22.51	25.33
2012	August	2.65	40.00	0.06	0.056	0.056	5.44	6.06	21.40	22.00
2013	August	2.80	4.80	35.00	0.060	0.120	1.90	6.33	19.60	22.70
2014	August	1.60	4.50	50.00	0.063	0.052	4.20	5.18	23.40	24.20
2015	August	2.20	7.60	30.00	0.042	0.036	5.89	8.02	23.10	25.40
2016	August	3.02	5.20	20.00	0.037	0.040	2.18	4.15	24.70	26.80
2017	August	3.40	11.00	20.00	0.034	0.034	5.25	6.27	21.00	23.00
2018	August	3.20	2.10	25.00	0.076	0.079	1.50	2.70	23.90	25.80
2019	August	2.23	4.50	25.00	0.045	0.046	1.63	5.67	23.40	25.30
<b>Minimum</b>	August	1.60	2.10	0.06	0.034	0.034	1.50	2.70	19.60	22.00
<b>Maximum</b>	August	3.40	40.00	50.00	0.076	0.120	5.89	8.02	24.70	26.80
<b>Average</b>	August	2.64	9.96	25.63	0.052	0.058	3.50	5.55	22.56	24.40

\*no sample taken

## **Appendix C – Danbury Impoundment Project Sampling Logs**

# IMPOUNDMENT SAMPLING LOG

Water Quality Study Location Danbury

Hydroelectric Project – FERC # 9184

Date: 4-29-19

Pre-Sampling Data:  
 HWL 928.90 TWL 890.35 CFS 380

Sample Location: N45 59.730  
W 92' 72.541

Performed by: Stine Colner

Time: 13:20 Barometer: 29.99

Air Temp: 42 °F 5.6 Wind Speed: E 5 mph

Sky Conditions: 100 clouds

Precipitation within Last 24 Hours: yo

D.O. Meter Calibration:

Instrument Model Used: HQ40D

Were the batteries changed?  Yes  No

If yes, when were they changed: \_\_\_\_\_

Battery Status: 95 % Charge

Calibration Method: Factory

Sampling Depth Profile: Measured depth to bottom of impoundment: 6 Meters

Secchi Depth (+ 0.1)	
Time <u>13:40</u>	<u>8.1</u> Feet <u>2.46</u> Meters

Comments:  
Crane

Chlorophyll a (1 Meter below surface horizontal sampler)		
Time	Quantity (ml)	Filtered
<u>13:32</u>	1000	In Lab
Preservative		MgCO <sub>3</sub> <u>none</u>

True Color (1 Meter below surface horizontal sampler)	
Time	<u>13:32</u>

Total Phosphorus (1 Meter below surface horizontal sampler)	
Time <u>13:32</u>	Preservative
	H <sub>2</sub> SO <sub>4</sub>

Total Phosphorus (1 Meter above bottom horizontal sampler)	
Time <u>13:27</u>	Preservative
	H <sub>2</sub> SO <sub>4</sub>

D.O. and Temperature Profile			
Depth (Meters)	Time	D.O. (mg/L)	Temperature °C
0.5 below surface	<u>13:26:44</u>	<u>10.72</u>	<u>9.6</u>
1	<u>13:27:53</u>	<u>11.02</u>	<u>8.8</u>
2	<u>13:28:41</u>	<u>11.05</u>	<u>8.6</u>
3	<u>13:29:26</u>	<u>11.08</u>	<u>8.5</u>
4	<u>13:30:25</u>	<u>11.06</u>	<u>8.4</u>
5	<u>13:31:29</u>	<u>11.05</u>	<u>8.4</u>
6	<u>13:32:41</u>	<u>11.00</u>	<u>8.4</u>
7			
8			
0.5 above bottom	<u>13:33:10</u>	<u>10.98</u>	<u>8.3</u>

\*If D.O. is below 5.0 mg/L notify agency and measure D.O. at 1.0 foot intervals if <5.0 mg/L.





# IMPOUNDMENT SAMPLING LOG

Water Quality Study Location Danbury

Hydroelectric Project - FERC # 9184

Date: 7.23.2019

Pre-Sampling Data:

HWL 929.30 TWL 889.95 CFS 123

Sample Location: N45° 59.730  
W122.541

Performed by: A. Stone Ryan Wamba

Time: 13:49 Barometer: 30.15

Air Temp: 80 °F Wind Speed: WWW 7 mph

Sky Conditions: Cloudy

Precipitation within Last 24 Hours: NO

D.O. Meter Calibration:

Instrument Model Used: HQ40D

Were the batteries changed?  Yes  No

If yes, when were they changed: \_\_\_\_\_

Battery Status: 80 % Charge

Calibration Method: Factory

Sampling Depth Profile: Measured depth to bottom of impoundment: 18 Meters feet

Secchi Depth ( $\pm 0.1$ )		
Time	Feet	Meters
<u>13:50</u>	<u>9</u>	<u>2.743</u>

Comments:

Chlorophyll a (1 Meter below surface horizontal sampler)		
Time <u>13:53</u>	Quantity (ml)	Filtered
	1000	In Lab
Preservative	MgCO <sub>3</sub>	

True Color (1 Meter below surface horizontal sampler)	
Time	<u>13:53</u>

Total Phosphorus (1 Meter below surface horizontal sampler)	
Time <u>13:53</u>	Preservative
	H <sub>2</sub> SO <sub>4</sub>

Total Phosphorus (1 Meter above bottom horizontal sampler)	
Time <u>13:58</u>	Preservative
	H <sub>2</sub> SO <sub>4</sub>

D.O. and Temperature Profile			
Depth (Meters)	Time	D.O. (mg/L)	Temperature °C
0.5 below surface			
1			
2			
3			
4			
5			
6			
7			
8			
0.5 above bottom			

\*If D.O. is below 5.0 mg/L notify agency and measure D.O. at 1.0 foot intervals if <5.0 mg/L.



Danbury  
7-23-2019

*D.O. and Temperature Profile			
Depth (Feet)	Time	D.O. (mg/L)	Temperature °C
0.5 below surface	13:49:51	7.16	26.6
1	13:51:20	7.06	25.9
2	13:52:43	6.95	25.2
3	13:53:29	6.87	25.2
4	13:54:06	6.75	24.9
5	13:54:37	6.60	24.7
6	13:55:09	6.55	24.7
7	13:55:38	6.50	24.6
8	13:56:08	6.45	24.6
9	13:56:44	6.43	24.5
10	13:57:11	6.39	24.5
11	13:57:44	6.34	24.5
12	13:58:11	6.28	24.4
13	13:59:18	6.32	24.4
14	13:59:46	6.32	24.4
15	14:00:13	6.30	24.4
16	14:00:41	5.93	24.3
17	14:01:21	5.88	24.3
18	14:02:03	5.66	24.3
19			
20			
21			
22			
23			
24			
25			
0.5 above bottom	14:02:53	4.55	24.2

# IMPOUNDMENT SAMPLING LOG

Water Quality Study Location Dunbury

Hydroelectric Project - FERC # 9184

Date: 8-13-2019

Pre-Sampling Data:

HWL 929.11 TWL 889.95 CFS 123

Sample Location: N 45° 59, 730

W 92' 22.911

Performed by: Angie Stine Emma

Time: 14:50 Barometer: 30.0

Air Temp: 76 °F Wind Speed: WNW 5

Sky Conditions: 100 Clouds

Precipitation within Last 24 Hours: yes

D.O. Meter Calibration:

Instrument Model Used: HQ40D

Were the batteries changed?  Yes  No

If yes, when were they changed: \_\_\_\_\_

Battery Status: 70 % Charge

Calibration Method: Factory

Sampling Depth Profile: Measured depth to bottom of impoundment: 17.5 Meters BT

Secchi Depth (+ 0.1)	
Time <u>19:53</u>	<u>7.8</u> Feet <u>2.3</u> Meters

Comments:

Chlorophyll a (1 Meter below surface horizontal sampler)		
Time <u>14:53</u>	Quantity (ml)	Filtered
	1000	In Lab
Preservative	MgCO <sub>3</sub>	

True Color (1 Meter below surface horizontal sampler)	
Time <u>14:53</u>	

Total Phosphorus (1 Meter below surface horizontal sampler)	
Time <u>14:58</u>	Preservative
	H <sub>2</sub> SO <sub>4</sub>

Total Phosphorus (1 Meter above bottom horizontal sampler)	
Time <u>15:03</u>	Preservative
	H <sub>2</sub> SO <sub>4</sub>

D.O. and Temperature Profile			
Depth (Meters)	Time	D.O. (mg/L)	Temperature °C
0.5 below surface			
1			
2			
3			
4			
5			
6			
7			
8			
0.5 above bottom			

\*If D.O. is below 5.0 mg/L notify agency and measure D.O. at 1.0 foot intervals if <5.0 mg/L.



Danbury 8-13-19

*D.O. and Temperature Profile			
Depth (Feet)	Time	D.O. (mg/L)	Temperature °C
0.5 below surface	14:52:28	5.67	25.3
1	14:52:55	5.64	25.2
2	14:53:19	5.66	24.9
3	14:53:45	5.66	24.7
4	14:54:19	5.62	24.4
5	14:54:44	5.33	24.1
6	14:55:21	5.08	23.8
7	14:56:13	4.83	23.7
8	14:57:48	4.72	23.6
9	14:58:19	4.59	23.6
10	14:59:55	4.46	23.5
11	14:58:30	4.43	23.5
12	14:59:04	4.38	23.5
13	14:59:30	4.20	23.4
14	14:59:49	4.08	23.4
15	15:00:28	4.04	23.4
16	15:01:35	<del>3.75</del>	23.4
17	15:02:40	3.75	23.4
18	15:03:33	1.63	23.3
19			
20			
21			
22			
23			
24			
25			
0.5 above bottom	15:03:56	2.89	23.4

## **Appendix D – Danbury Hydroelectric Project Lab Reports and Chains of Custody**

## Cover Page

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

---

**Client:** RWE**WWA Job #:** 82237

---

**Project:** Monitoring**Date Received:** 4/30/2019**Date Reported:** 5/21/2019

---

<b>Sample Number</b>	<b>Client Sample ID</b>	<b>Date Sampled</b>	<b>Sample Matrix</b>
82237-001	Clam River Surface	04/30/19	Water
82237-002	Clam River Bottom	04/30/19	Water
82237-003	Danbury Surface	04/29/19	Water
82237-004	Danbury Bottom	04/29/19	Water

Cover Page..continued

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: RWE

WWA Job #: 82237

Comments (if any):

**Key to Laboratory Flags:**

\*: RPD exceeds limits.

B: The analyte was found in the associated blank as well as in the sample.

J: The quantitation is an estimated value because the result is less than the sample quantitation limit but greater than the detection limit.

M: A matrix effect was present.

Q: Batch QC data associated with the analysis does not meet the stated objectives

H: Indicates analytical holding time exceedance.

U: The analyte was analyzed for, but not detected.

P: A manual peak selection or manual integration was performed to correct an erroneous software selection.

ND = Not Detected, MDL = Method Detection Limit, MQL = Method Quantitation Limit

ppm = mg/L (liquid) or mg/kg (solid), ppb = ug/L (liquid) or ug/kg (solid)

For coliform, Negative = No coliform bacteria detected, Positive = Coliform bacteria detected

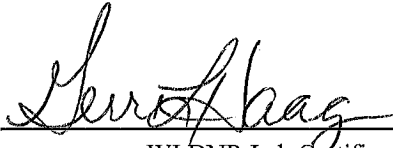
## Sample Types:

S = Solids, DW = Drinking water, D = Dissolved, T = Total, TC = TCLP extract, SP = SPLP extract

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without the written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and White Water Associates Standard Operating Procedures. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this Final Report is authorized by White Water Associates management, as is verified by the following signature.

Approved By: 

WI DNR Lab Certification Number: 999971280

MI DEQ Certification Number: 9306

DoD-ELAP Accreditation Number: 65802

ISO/IEC 17025:2005 Accredited

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: RWE

WWA Job #: 82237

Project: Monitoring

Date Received: 4/30/2019

Date Reported: 5/21/2019

**Sample Results**

Sample No. / ID / Description / Matrix	Result	Flags	Units	Date/Time	Method	MDL	MQL	Analyst
<b>82237-001 / Clam River Surface / Water</b>								
<b>General Chemistry Parameters</b>								
Chlorophyll a	5.2		mg/m3	5/1/2019 14:50	10200H	NA	NA	CA
Color	40		CU	5/1/2019 11:40	2120B	5	5	AH
Total Phosphorus LL (t)	0.032	J	mg/L	5/15/2019 12:36	365.4	0.008	0.050	NK
<b>82237-002 / Clam River Bottom / Water</b>								
<b>General Chemistry Parameters</b>								
Total Phosphorus LL (t)	0.047	J	mg/L	5/15/2019 12:36	365.4	0.008	0.050	NK
<b>82237-003 / Danbury Surface / Water</b>								
<b>General Chemistry Parameters</b>								
Chlorophyll a	9.7		mg/m3	5/1/2019 14:50	10200H	NA	NA	CA
Color	25		CU	5/1/2019 11:40	2120B	5	5	AH
Total Phosphorus LL (t)	0.021	J	mg/L	5/15/2019 12:38	365.4	0.008	0.050	NK
<b>82237-004 / Danbury Bottom / Water</b>								
<b>General Chemistry Parameters</b>								
Total Phosphorus LL (t)	0.028	J	mg/L	5/15/2019 12:38	365.4	0.008	0.050	NK



## Login Checklist



Project No.: 82237      Date logged in.: 4/30/2019      Login person's initials: ER  
 Client: RWE      Number of coolers: 1  
 Project name: Monitoring      Courier/shipper: WWA

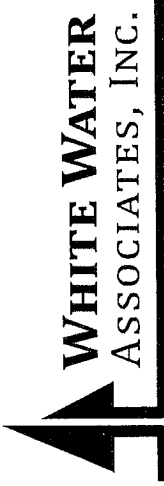
- 1. Custody seals/original packing tape were intact (if applicable).
- 2. Samples are in good condition, i.e. not broken or leaking.
- 3. Samples were received within holding times.
- 4. Samples were received on ice (ice in direct contact with the samples).
- 5. Temperature of the samples was between 0-6°C. Temp.: -1  
 NOTE: Samples not between 0-6°C that are received at the laboratory on the day of sample collections do not require client notification.
- 6. Samples matched the Chain of Custody (COC).
- 7. Proper containers were used.
- 8. Samples were collected in White Water lab containers.
- 9. There is adequate sample volume for requested analyses and QC.
- 10. For water VOC samples, headspace is less than the size of a pea.
- 11. Samples are preserved to the proper pH. Sample bottles and preservation are noted in LIMS Sample Container Section.
- 12. The COC is signed. (either Sampler or Relinquished by)
- 13. Sub-sampling (SS) is required. Bottles created are noted in sample containers section of log-in form.
- 14. For Dissolved Analysis (when applicable), samples were filtered in the lab.
- 15. For soil VOCs, methanol preserved samples were received.
- 16. For Soil VOCs, samples were preserved with methanol in the lab.
- 17. Client contact is necessary. Provide documentation below.

## COMMENTS/CORRECTIVE ACTION

## CLIENT RESPONSE

Note: If hold time, volume, and received on ice or temperature criteria are not met when required by the method, results may not be able to be used for regulatory purposes. Check with your reporting agency for more information.

✓ Cont 5/2/19  
Version  
160504



Phone: (906) 822-7889, Fax -7977  
Web: white-water-associates.com

429 River Lane, P.O. Box 27  
Amasa, Michigan 49903

**CHAIN-OF-CUSTODY RECORD**

Job # (WWA office use): 82237

CLIENT NAME / BILL TO: RWE  
ADDRESS: \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
EMAIL ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
CONTRACT / PO / PROJECT NAME / WSSN#: \_\_\_\_\_  
COUNTY OF LOCATION: Monitoring

SAMPLER NAME (print first/last name): Angie Stru  
SAMPLER'S SIGNATURE: [Signature]  
Indicate if more than one page of COC records used: 1 OF 1

Check off preservatives for each bottle upon arrival and indicate total number of bottles. WWA database contains bottle preservation details.

SAMPLE ID AND LOCATION Containers for each sample may be combined on one line.	DATE	TIME	CONTAINERS / PRESERVATIVES										Total Number of Containers				
			Drinking water	Aqueous	Sed.	Soil	Other:	None	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH	Na Thio		
1 Clam River Surface	4-30-19	10:03		X					X								3
2 Clam River Bottom	4-30-19	9:57		X					X								3
3 Danbury Surface	4-30-19	13:32		X					X								1
4 Danbury Bottom	4-30-19	13:27		X					X								1

REMARKS (Note any special instructions provided by client or conditions of receipt noted by WWA lab staff. Also note any residual chlorine.)  
 Unless otherwise noted, drinking water report copies are sent to MDEQ and Health Dept.  
 Instructions to White Water: Send my report by: \_\_\_\_\_ email \_\_\_\_\_ mail \_\_\_\_\_  
 ANALYSIS TYPE REQUESTED (Attach list if needed): Chl a (mg/L) T Phos Color

Comments/Sample temp. on receipt:	Date:	Time:	Received by:
	4-30-19	4:44 pm	[Signature]

Relinquished by: [Signature] Date: 4-30-19 Time: 4:44 pm  
 Relinquished by: [Signature] Date: 4-30-19 Time: 4:44 pm  
 Packing: Ice  Cooler   
 UPS  FedEx  USPS  Client  Other WWA  
 CANARY - W/ SAMPLES PINK - CUSTOMER  
 WHITE - RETURN W/ REPORT

Cover Page

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

---

**Client:** RWE**WWA Job #:** 84251

---

**Project:** Monitoring**Date Received:** 7/25/2019**Date Reported:** 8/27/2019

---

<b>Sample Number</b>	<b>Client Sample ID</b>	<b>Date Sampled</b>	<b>Sample Matrix</b>
84251-001	Clam River Surface	07/23/19	Water
84251-002	Clam River Bottom	07/23/19	Water
84251-003	Danbury Surface	07/23/19	Water
84251-004	Danbury Bottom	07/23/19	Water

Cover Page..continued

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: RWE

WWA Job #: 84251

Comments (if any):

**Key to Laboratory Flags:**

\*: RPD/RSD exceeds limits.

B: The analyte was found in the associated blank as well as in the sample.

J: The quantitation is an estimated value because the result is less than the sample quantitation limit but greater than the detection limit.

M: A matrix effect was present.

Q: Batch QC data associated with the analysis does not meet the stated objectives

H: Indicates analytical holding time exceedance.

P: A manual peak selection or manual integration was performed to correct an erroneous software selection.

N: For reporting results that are non-target analytes, when requested by client for Mass Spec reporting.

T: Tentatively Identified Compound.

ND = Not Detected, MDL = Method Detection Limit, MQL = Method Quantitation Limit

ppm = mg/L (liquid) or mg/kg (solid), ppb = ug/L (liquid) or ug/kg (solid)

For coliform, Negative = No coliform bacteria detected, Positive = Coliform bacteria detected


## Sample Types:

S = Solids, DW = Drinking water, D = Dissolved, T = Total, TC = TCLP extract, SP = SPLP extract

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without the written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and White Water Associates Standard Operating Procedures. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this Final Report is authorized by White Water Associates management, as is verified by the following signature.

Approved By: 

WI DNR Lab Certification Number: 999971280

MI EGLE Certification Number: 9306

DoD-ELAP Accreditation Number: 65802

ISO/IEC 17025:2005 Accredited

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: RWE

WWA Job #: 84251

Project: Monitoring

Date Received: 7/25/2019

Date Reported: 8/27/2019

**Sample Results**

Sample No. / ID / Description / Matrix	Result	Flags	Units	Date/Time	Method	MDL	MLQ	Analyst
<b>84251-001 / Clam River Surface / Water</b>								
<b>General Chemistry Parameters</b>								
Chlorophyll a	36		mg/m3	7/25/2019 15:20	10200H	NA	NA	CA
Color	25		CU	7/25/2019 13:00	2120B	5	5	GG
Total Phosphorus LL (t)	0.057		mg/L	8/20/2019 12:36	365.4	0.008	0.050	NK
<b>84251-002 / Clam River Bottom / Water</b>								
<b>General Chemistry Parameters</b>								
Total Phosphorus LL (t)	0.058		mg/L	8/20/2019 12:38	365.4	0.008	0.050	NK
<b>84251-003 / Danbury Surface / Water</b>								
<b>General Chemistry Parameters</b>								
Chlorophyll a	3.5		mg/m3	7/25/2019 15:20	10200H	NA	NA	CA
Color	15		CU	7/25/2019 13:00	2120B	5	5	GG
Total Phosphorus LL (t)	0.045	J	mg/L	8/20/2019 12:39	365.4	0.008	0.050	NK
<b>84251-004 / Danbury Bottom / Water</b>								
<b>General Chemistry Parameters</b>								
Total Phosphorus LL (t)	0.044	J	mg/L	8/20/2019 12:40	365.4	0.008	0.050	NK

## Login Checklist



Project No.: 84251      Date logged in.: 7/25/2019      Login person's initials: ER  
 Client: RWE      Number of coolers: 1  
 Project name: Monitoring      Courier/shipper: WWA

- 1. Custody seals/original packing tape were intact (if applicable).
- 2. Samples are in good condition, i.e. not broken or leaking.
- 3. Samples were received within holding times.
- 4. Samples were received on ice (in direct contact with the samples).
- 5. Temperature of the samples was between 0-6°C. Temp.:

NOTES on #4:

--

NOTE: Samples not between 0-6°C that are received at the laboratory on the day of sample collections do not require client notification.

- 6. Samples matched the Chain of Custody (COC).
- 7. Proper containers were used.
- 8. Samples were collected in White Water lab containers.
- 9. There is adequate sample volume for requested analyses and QC.
- 10. For water VOC samples, headspace is less than the size of a pea.
- 11. Samples are preserved to the proper pH. Sample bottles and preservation are noted in LIMS Sample Container Section.
- 12. The COC is signed. (either Sampler or Relinquished by)
- 13. Sub-sampling (SS) is required. Bottles created are noted in sample containers section of log-in form.
- 14. For Dissolved Analysis (when applicable), samples were filtered in the lab.
- 15. For soil VOCs, methanol preserved samples were received.
- 16. For Soil VOCs, samples were preserved with methanol in the lab.
- 17. Client contact is necessary. Provide documentation below.

COMMENTS/CORRECTIVE ACTION

CLIENT RESPONSE

Note: If hold time, volume, and received on ice or temperature criteria are not met when required by the method, results may not be able to be used for regulatory purposes. Check with your reporting agency for more information.

Version 160504

Job # (WWA office use): 84251 CHAIN-OF-CUSTODY RECORD

CLIENT NAME / BILL TO: RWE  
 ADDRESS: [Blank]  
 TELEPHONE: [Blank]  
 CONTRACT / PO / PROJECT NAME / WSSN#: [Blank]

WHITE WATER ASSOCIATES, INC.  
 429 River Lane, P. O. Box 27  
 Amasa, Michigan 49903  
 Phone: (906) 822-7889, Fax -7977  
 Web: white-water-associates.com

CITY: [Blank]  
 STATE: [Blank]  
 ZIP: [Blank]  
 COUNTY OF LOCATION: Monitoring  
 PAGES: 1 OF 1  
 INDICATE IF MORE THAN ONE PAGE OF COC RECORDS USED

ANALYSIS TYPE REQUESTED (Attach list if needed)  
 INSTRUCTIONS TO WHITE WATER: Send my report by: \_\_\_\_\_ email \_\_\_\_\_ mail \_\_\_\_\_  
 REMARKS (Note any special instructions provided by client or conditions of receipt noted by WWA lab staff. Also note any residual chlorine.):  
 Unless otherwise noted, drinking water report copies are sent to MDEQ and Health Dept.

SAMPLE ID AND LOCATION Containers for each sample may be combined on one line.	DATE	TIME	SAMPLE MATRIX										Total Number of Containers				
			Drinking water	Aqueous	Sed.	Soil	Other:	None	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH	Na Thio		
1 Clam River Surface	7-25-19	16:40	X									X					3
2 Clam River Bottom	"	16:48	X									X					3
3 Danbury Surface	"	13:53	X									X					3
4 Danbury Bottom	"	13:58	X									X					1

CHL (mg/L)	TPH (mg/L)	Color
X	X	X
X	X	X
X	X	X
X	X	X

Relinquished by: [Signature]  
 Relinquished by: [Signature]  
 Date: 7/24/19 17:30  
 Date: 7-25-19 8:30  
 Received by: [Signature]  
 Received by: [Signature]  
 Date: [Blank]  
 Date: [Blank]  
 Time: [Blank]  
 Time: [Blank]

Comments/Sample temp. on receipt: [Blank]  
 Packing: Ice Cooler   
 UPS  FedEx  USPS  Client  Other  WWA

Cover Page

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

---

**Client:** RWE**WWA Job #:** 84706

---

**Project:** Monitoring**Date Received:** 8/15/2019**Date Reported:** 9/13/2019

---

<b>Sample Number</b>	<b>Client Sample ID</b>	<b>Date Sampled</b>	<b>Sample Matrix</b>
84706-001	Clam River Surface	08/13/19	Water
84706-002	Clam River Bottom	08/13/19	Water
84706-003	Danbury Surface	08/13/19	Water
84706-004	Danbury Bottom	08/13/19	Water



Cover Page..continued

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: RWE

WWA Job #: 84706

Comments (if any):

**Key to Laboratory Flags:**

- \*: RPD/RSD exceeds limits.
- B: The analyte was found in the associated blank as well as in the sample.
- J: The quantitation is an estimated value because the result is less than the sample quantitation limit but greater than the detection limit.
- M: A matrix effect was present.
- Q: Batch QC data associated with the analysis does not meet the stated objectives
- H: Indicates analytical holding time exceedance.
- P: A manual peak selection or manual integration was performed to correct an erroneous software selection.
- N: For reporting results that are non-target analytes, when requested by client for Mass Spec reporting.
- T: Tentatively Identified Compound.
- ND = Not Detected, MDL = Method Detection Limit, MQL = Method Quantitation Limit
- ppm = mg/L (liquid) or mg/kg (solid), ppb = ug/L (liquid) or ug/kg (solid)
- For coliform, Negative = No coliform bacteria detected, Positive = Coliform bacteria detected

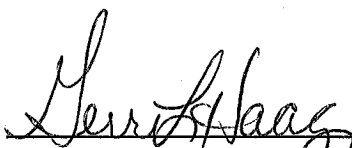
## Sample Types:

S = Solids, DW = Drinking water, D = Dissolved, T = Total, TC = TCLP extract, SP = SPLP extract

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without the written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

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MI EGLE Certification Number: 9306

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ISO/IEC 17025:2005 Accredited

ANALYTICAL REPORT

429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: RWE

WWA Job #: 84706

Project: Monitoring

Date Received: 8/15/2019

Date Reported: 9/13/2019

**Sample Results**

Sample No. / ID / Description / Matrix	Result	Flags	Units	Date/Time	Method	MDL	MQL	Analyst
<b>84706-001 / Clam River Surface / Water</b>								
<b>General Chemistry Parameters</b>								
Chlorophyll a	92		mg/m3	8/22/2019 15:10	10200H	NA	NA	AH
Color	45		CU	8/15/2019 13:45	2120B	5	5	AH
Total Phosphorus LL (t)	0.090		mg/L	8/20/2019 13:20	365.4	0.008	0.050	NK
<b>84706-002 / Clam River Bottom / Water</b>								
<b>General Chemistry Parameters</b>								
Total Phosphorus LL (t)	0.065	M	mg/L	8/20/2019 13:22	365.4	0.008	0.050	NK
<b>84706-003 / Danbury Surface / Water</b>								
<b>General Chemistry Parameters</b>								
Chlorophyll a	4.5		mg/m3	8/22/2019 15:10	10200H	NA	NA	AH
Color	25		CU	8/15/2019 13:45	2120B	5	5	AH
Total Phosphorus LL (t)	0.045	J	mg/L	8/20/2019 13:23	365.4	0.008	0.050	NK
<b>84706-004 / Danbury Bottom / Water</b>								
<b>General Chemistry Parameters</b>								
Total Phosphorus LL (t)	0.046	J	mg/L	8/20/2019 13:26	365.4	0.008	0.050	NK

## Login Checklist



**Project No.:** 84706      **Date logged in.:** 8/15/2019      **Login person's initials:** ER  
**Client:** RWE      **Number of coolers:** 1  
**Project name:** Monitoring      **Courier/shipper:** WWA

1. Custody seals/original packing tape were intact (if applicable).  
 2. Samples are in good condition, i.e. not broken or leaking.  
 3. Samples were received within holding times.  
 4. Samples were received on ice (in direct contact with the samples).  
 5. Temperature of the samples was between 0-6°C. Temp.:

NOTES on #4:

--

NOTE: Samples not between 0-6°C that are received at the laboratory on the day of sample collections do not require client notification.

6. Samples matched the Chain of Custody (COC).  
 7. Proper containers were used.  
 8. Samples were collected in White Water lab containers.  
 9. There is adequate sample volume for requested analyses and QC.  
 10. For water VOC samples, headspace is less than the size of a pea.  
 11. Samples are preserved to the proper pH. Sample bottles and preservation are noted in LIMS Sample Container Section.  
 12. The COC is signed. (either Sampler or Relinquished by)  
 13. Sub-sampling (SS) is required. Bottles created are noted in sample containers section of log-in form.  
 14. For Dissolved Analysis (when applicable), samples were filtered in the lab.  
 15. For soil VOCs, methanol preserved samples were received.  
 16. For Soil VOCs, samples were preserved with methanol in the lab.  
 17. Client contact is necessary. Provide documentation below.

## COMMENTS/CORRECTIVE ACTION

#3. 190815 8:50ER color received past hold time

## CLIENT RESPONSE

Note: If hold time, volume, and received on ice or temperature criteria are not met when required by the method, results may not be able to be used for regulatory purposes. Check with your reporting agency for more information.

Version 160504  
JGA 8/10/19

**CHAIN-OF-CUSTODY RECORD**



429 River Lane, P.O. Box 27  
Amasa, Michigan 49903  
Phone: (906) 822-7889, Fax -7977  
Web: white-water-associates.com

Job # (WWA office use): 84706

CLIENT NAME /BILL TO: RWE  
ADDRESS:  
TELEPHONE:  
EMAIL ADDRESS:  
CONTRACT / PO / PROJECT NAME / WSSN#: Monitoring  
COUNTY OF LOCATION: 1 OF 1

SAMPLER NAME (print first/last name): Amy Shai  
SAMPLER'S SIGNATURE: *Amy Shai*  
Indicate if more than one page of COC records used: 1

SAMPLE ID AND LOCATION Containers for each sample may be combined on one line.	DATE	TIME	SAMPLE MATRIX										Total Number of Containers	REMARKS (Note any special instructions provided by client or conditions of receipt noted by WWA lab staff. Also note any residual chlorine.)				
			Drinking Water	Aqueous	Sed.	Soil	Other:	None	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH	Na Thio		
1 Clam River Surface	8/13/17	11:07	X								X						X	
2 Clam River Bottom	"	11:18	X								X						X	
3 Danbury Surface	"	14:53	X								X						X	
4 Danbury Bottom	"	15:03	X								X						X	

ANALYSIS TYPE REQUESTED (Attach list if needed)

Chlor (mg/L)	X																	
Phos (mg/L)	X																	
Color	X																	

Instructions to White Water  
Send my report by:  
email \_\_\_\_\_  
mail \_\_\_\_\_

Unless otherwise noted, drinking water report copies are sent to MDEQ and Health Dept.  
**REMARKS** (Note any special instructions provided by client or conditions of receipt noted by WWA lab staff. Also note any residual chlorine.)

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: \_\_\_\_\_ Date: 8-15-19 Time: 8:50  
Packing: Ice  Cooler   
Comments/Sample temp. on receipt: \_\_\_\_\_  
UPS  FedEx  USPS  Client  Other WWA

**RE: Danbury (P-9184) Clam River (P-9185) Flambeau Upper (P-2640) Flambeau Lower (P-2421) Pixley (P-2395) Crowley (P-2473) Winter (P-2064) Water Quality data spreadsheet**

Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>

Mon 12/2/2019 9:45 AM

To: Brian Kreuzscher <bkreuscher@rwehydro.com>

Thank you

**We are committed to service excellence.**

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

Cheryl Laatsch  
Statewide FERC Coordinator  
Bureau of Environmental Analysis and Sustainability  
Wisconsin Dept of Natural Resources  
N7725 Hwy 28  
Horicon WI 53032  
(T) 920-387-7869 (Fax) 920-387-7888  
[Cheryl.laatsch@wisconsin.gov](mailto:Cheryl.laatsch@wisconsin.gov)



---

**From:** Brian Kreuzscher <bkreuscher@rwehydro.com>

**Sent:** Monday, December 02, 2019 9:35 AM

**To:** Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>; Nick Utrup <nick\_utrup@fws.gov>

**Subject:** Danbury (P-9184) Clam River (P-9185) Flambeau Upper (P-2640) Flambeau Lower (P-2421) Pixley (P-2395) Crowley (P-2473) Winter (P-2064) Water Quality data spreadsheet

All,

In years past I had been asked for this Excel spreadsheet with water quality monitoring data. The attached spreadsheet has data for the following projects each in their own tab: Upper, Lower, Pixley, Crowley, Winter, Danbury and Clam River.

Thanks

Brian Kreuzscher

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Regulatory & Compliance

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## Danbury (P-9184) Clam River (P-9185) Draft Water Quality Reports

Brian Kreuzscher <bkreuscher@rwehydro.com>

Tue 11/26/2019 6:59 PM

To: Cheryl Laatsch <cheryl.laatsch@wisconsin.gov>; Nick Utrup <nick\_utrup@fws.gov>

 2 attachments (3 MB)

Danbury Water Quality Report 2019\_COMPLETE.pdf; Clam River Water Quality Report 2019\_COMPLETE.pdf;

Cheryl and Nick,

Attached are the Draft Water Quality Reports for Danbury and Clam River. Please review and provide any comments you may have to me within 60 days for FERC submittal.

Thanks

Brian Kreuzscher

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Document Content(s)

20-02-27 BRK DNB 2019 WQ To FERC ALL.PDF.....1-39