



Wisconsin Public Service Corporation

700 North Adams Street  
P.O. Box 19001  
Green Bay, WI 54307-9001

www.wisconsinpublicservice.com

December 19, 2014

FERC Project Nos. 2581, 2560,  
2595, 2525, 2522, 2546

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

Dear Secretary Bose:

Peshtigo River Hydroelectric Project  
CLWMP Invasive Species Monitoring Plan

As per the Federal Energy Regulatory Commission (FERC) Order Modifying and Approving the Updated Comprehensive Land and Wildlife Management Plan (CLWMP)- Invasive Species Monitoring Plan for the Peshtigo Hydroelectric Project (FERC Project No. 2581), Potato Rapids Hydroelectric Project (FERC Project No. 2560), Caldron Falls Hydroelectric Project (FERC Project No. 2525), High Falls Hydroelectric Project (FERC Project No. 2595), Johnson Falls Hydroelectric Project (FERC Project No. 2522) and Sandstone Rapids (FERC Project No. 2546) issued on July 21, 2014, Wisconsin Public Service (WPS) is to provide monitoring reports to the resource agencies by September 30 and to the FERC by December 31, each year a survey has been completed.

**2014 Purple Loosestrife Survey Results**

A purple loosestrife (PL) survey was completed on the Peshtigo River Hydroelectric Projects from July 15 through July 18, 2014. Two small colonies of PL were identified at the Peshtigo Hydroelectric Project. No other PL colonies were identified at any of the other Peshtigo River Hydroelectric Projects. Appendix A includes the PL survey results for the Peshtigo Hydroelectric Projects.

Per the FERC Order Modifying and Approving the Updated CLWMP- Invasive Species Monitoring Plan dated June 12, 2012, if PL is no longer observed during the 2014 survey activities, WPS will survey for PL at the Potato Rapids Hydroelectric every third year in conjunction with Eurasian Water Milfoil (EWM) survey. The 2014 PL survey did not identify the presence of PL at the Potato Rapids Hydroelectric Project; therefore WPS will complete the next PL survey in 2017, in conjunction with the EWM surveys for all of the Peshtigo River Hydroelectric Projects.

**2014 Eurasian Water Milfoil Survey Results**

Eurasian water milfoil (EWM) surveys were completed on the Peshtigo River Hydroelectric Project from July 15 through July 18, 2014. EWM was again observed at all six hydroelectric projects. EWM populations were observed at higher populations than in 2011 at the Caldron Falls (148 to 221 acres), Peshtigo (1 to 34 acres), Potato Rapids (1 to 2 acres), and Johnson Falls (8 to 12 acres) Hydroelectric Projects and lower EWM populations were observed at High Falls (610 to 546 acres) and Sandstone Rapids (21 to 8 acres) Hydroelectric Projects. Appendix B includes the 2014 EWM survey results and figures for the six projects.

Ms. Kimberly D. Bose

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Overall, the changes in EWM populations are similar to fluctuation observed in previous surveying events on the Peshtigo River Hydroelectric Projects and at other WPS hydroelectric projects.

It is also important to note that the acres included on the figures represent the furthest extent of where the EWM was identified. Diverse aquatic vegetation exists within the EWM define population boundaries. In approximately 75 percent of the transects sampled, EWM was observed at present less than half compared to the surrounding vegetation.

### **2012-2014 Zebra Mussel Sampling Results**

Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for the Caldron Falls, High Falls, Johnson Falls, and Sandstone Rapids Hydroelectric Project for the months of May through September for each survey year (2012-2014). Zebra mussels were not observed on the substrate samplers during any of the sampling events. In addition, zebra mussels were not observed by WPS employees at any of the four hydroelectric projects. Appendix C provides a copy of the monthly substrate sampling results for the three years of sampling.

WPS provided the 2014 PL, EWM, and Zebra Mussel survey results for the Peshtigo River Hydroelectric Projects to the resource agencies on September 18, 2014. No comments were received from the resource agencies. Documentation of Consultation is included in Appendix D.

Should you have any questions relative to this material, please do not hesitate to contact Jamie Nuthals at (920) 433-1460.

Sincerely,



Gil Snyder  
Manager - Regional Generation

JDN/rjf

Enc: Peshtigo River EWM & PL – Agency Letters

cc: Mr. Shawn Puzen, IBS - D2  
Ms. Joan Johaneck, WPS - D2  
Mr. William Bosacki, WPS - D2  
Mr. John Myers, IBS - D2  
Mr. Brad Menning, WPS - MERH  
Mr. John Zygaj, FERC - CRO  
Mr. Edward Brandt, WPS - CRI

APPENDIX A



## Peshtigo River Hydroelectric Project Purple Loosestrife Survey - 2014

Aerial Source: Bing Maps

### Purple Loosestrife

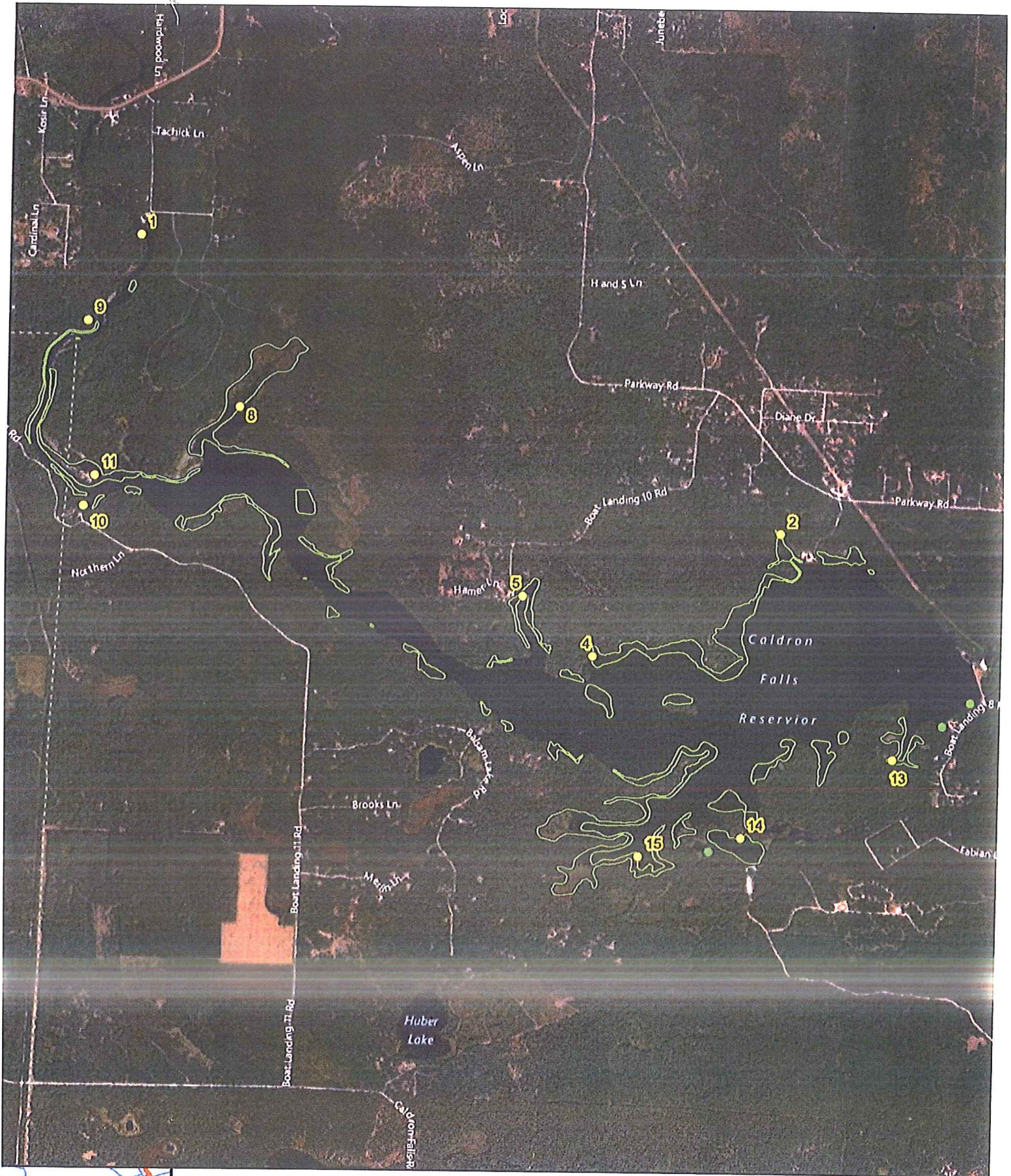
- 0-5 Plants
- 6-50 Plants
- >50 Plants



0 1,600 3,200 Feet

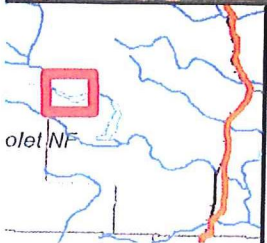


APPENDIX B



# Caldron Falls Hydroelectric Project Eurasian Water Milfoil Survey

Aerial Source: Bing Maps



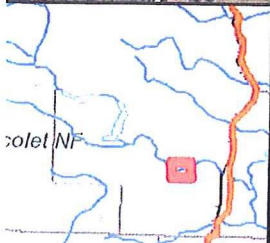
## Eurasian Water Milfoil Surveys - 2014

## Caldron Falls

Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin
1A	0	0	N/A	N/A	45 22.836
1B	0	0	N/A	N/A	88 18.040
1C	0	0	N/A	N/A	
2A	4	4	N/A	N/A	
2B	1	2	N/A	N/A	45 21.843
2C	3	2	N/A	N/A	88 14.843
3A					
3B					
3C					
4A	4	4	N/A	N/A	45 21.405
4B	4	4	N/A	N/A	88 15.751
4C	0	0	N/A	N/A	
5A	4	4	N/A	N/A	
5B	5	5	N/A	N/A	45 21.611
5C	5	5	N/A	N/A	88 16.107
6A					
6B					
6C					
7A					
7B					
7C					
8A	5	5	N/A	N/A	45 22.240
8B	0	2	N/A	N/A	88 17.520
8C	5	5	N/A	N/A	
9A	1	N/A	N/A	N/A	
9B	0	0	N/A	N/A	45 22.524
9C	0	0	N/A	N/A	88 18.289
10A	4	1	N/A	N/A	
10B	5	1	N/A	N/A	45 21.882
10C	0	1	N/A	N/A	88 18.284
11A	0	0	N/A	N/A	
11B	0	0	N/A	N/A	45 21.993
11C	0	0	N/A	N/A	88 18.235
12A					
12B					
12C					
13A	4	5	N/A	N/A	
13B	5	5	N/A	N/A	45 21.079
13C	5	5	N/A	N/A	88 14.255
14A	0	0	N/A	N/A	
14B	0	1	N/A	N/A	45 20.789
14C	5	2	N/A	N/A	88 14.992
15A	5	5	N/A	N/A	
15B	5	5	N/A	N/A	45 20.726
15C	5	5	N/A	N/A	88 15.494

Abundance Scale: 0-Absent, 1-Present, 2-Presence Less Than Half, 3-Equal Presence Compared to Other Species, 4-Dominant Species Present, 5-Total Infestation





# Sandstone Rapids Hydroelectric Project Eurasian Water Milfoil Survey

Aerial Source: Bing Maps

0 825 1,650 Feet

- Transect Point
- Observation Point
- Observation Area

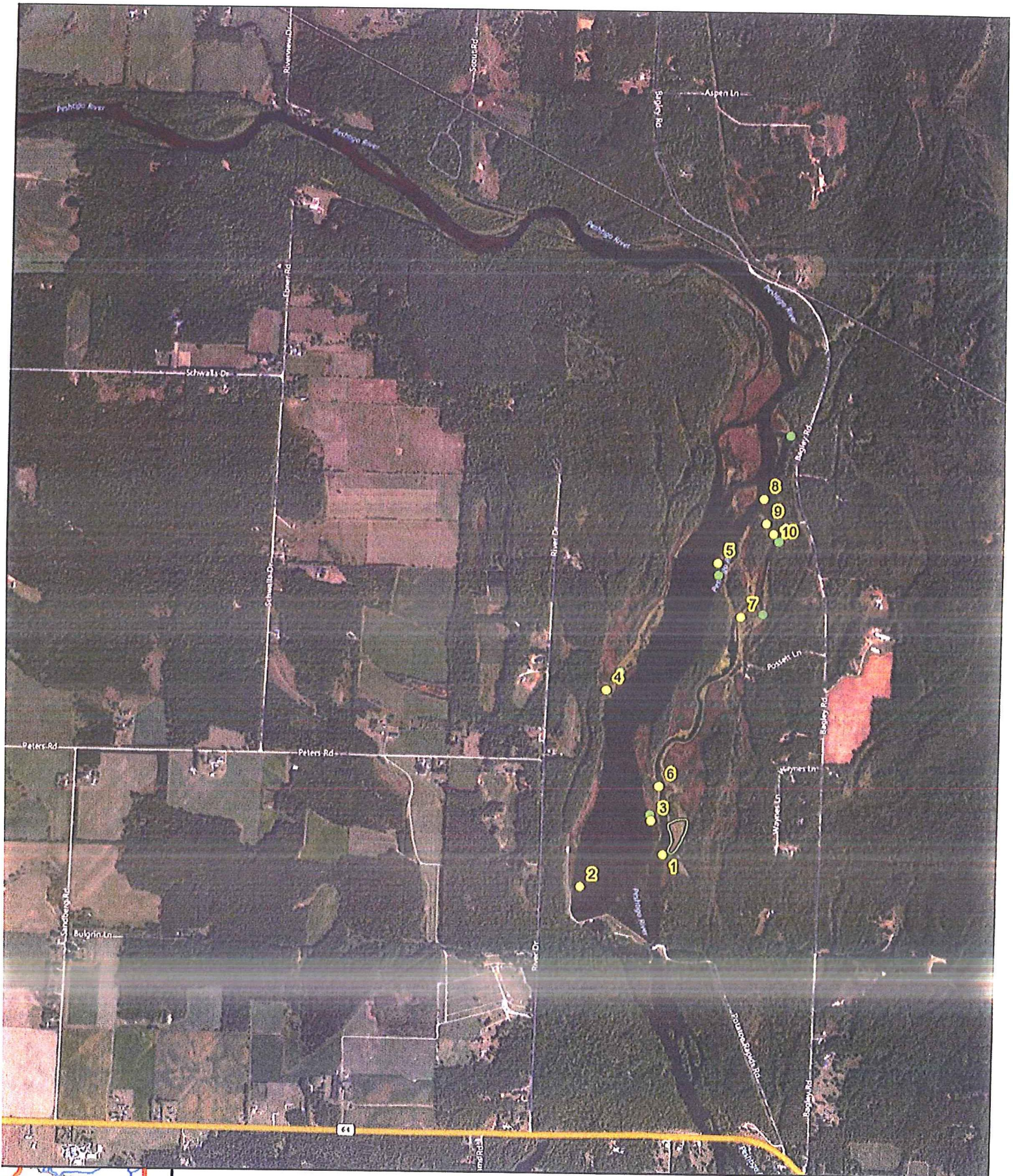


## Eurasian Water Milfoil Surveys - 2014

## Sandstone Rapids

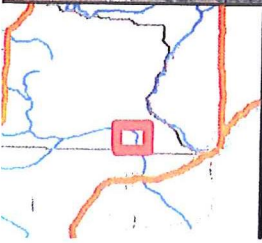
Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin
1A	0	0	N/A	N/A	45 13.660
1B	0	0	N/A	N/A	88 04.711
1C	0	0	N/A	N/A	
2A	1	2	N/A	N/A	45 13.695
2B	3	1	N/A	N/A	88 04.898
2C	1	1	N/A	N/A	
3A					
3B					
3C					
4A					
4B					
4C					
5A	0	0	N/A	N/A	45 13.680
5B	0	0	N/A	N/A	88 04.595
5C	0	0	N/A	N/A	
6A	0	0	N/A	N/A	45 13.807
6B	0	0	N/A	N/A	88 04.223
6C	0	0	N/A	N/A	
7A					
7B					
7C					
8A	0	0	N/A	N/A	45 13.924
8B	0	0	N/A	N/A	88 04.014
8C	0	0	N/A	N/A	
9A	0	0	N/A	N/A	45 13.818
9B	0	0	N/A	N/A	88 04.415
9C	0	0	N/A	N/A	
10A					
10B					
10C					
11A	0	0	N/A	N/A	45 13.403
11B	0	0	N/A	N/A	88 05.430
11C	0	0	N/A	N/A	
12A	1	N/A	N/A	N/A	45 13.355
12B	0	0	N/A	N/A	88 05.592
12C	0	0	N/A	N/A	
13A	0	0	N/A	N/A	45 13.289
13B	0	0	N/A	N/A	88 05.592
13C	0	0	N/A	N/A	
14A					
14B					
14C					
15A	4	2	N/A	N/A	45 13.612
15B	1	4	N/A	N/A	88 05.141
15C	3	2	N/A	N/A	

Abundance Scale: 0-Absent, 1-Present, 2-Presence Less Than Half, 3-Equal Presence Compared to Other Species, 4-Dominant Species Present, 5-Total Infestation



# Potato Rapids Hydroelectric Project Eurasian Water Milfoil Survey

Aerial Source: Bing Maps



Transect Point  
 Observation Point  
 Observation Area

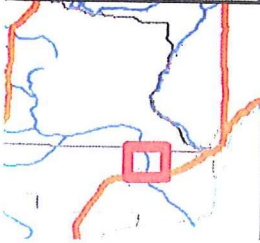


## Eurasian Water Milfoil Surveys - 2014

## Potato Rapids

Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin
1A	1	0	N/A	N/A	45 07.054
1B	1	1	N/A	N/A	87 45.478
1C	1	1	N/A	N/A	
2A	0	0	N/A	N/A	45 06.959
2B	0	0	N/A	N/A	87 45.639
2C	0	0	N/A	N/A	
3A	0	0	N/A	N/A	45 07.121
3B	0	0	N/A	N/A	87 45.546
3C	0	0	N/A	N/A	
4A	0	0	N/A	N/A	45 07.458
4B	0	0	N/A	N/A	87 45.663
4C	0	0	N/A	N/A	
5A	0	0	N/A	N/A	45 07.676
5B	0	0	N/A	N/A	87 45.348
5C	0	0	N/A	N/A	
6A	0	0	N/A	N/A	45 07.209
6B	0	0	N/A	N/A	87 45.535
6C	0	0	N/A	N/A	
7A	0	1	N/A	N/A	45 07.602
7B	0	0	N/A	N/A	87 45.209
7C	0	0	N/A	N/A	
8A	0	0	N/A	N/A	45 07.865
8B	0	0	N/A	N/A	87 45.176
8C	0	0	N/A	N/A	
9A	0	0	N/A	N/A	45 07.786
9B	0	0	N/A	N/A	87 45.171
9C	0	0	N/A	N/A	
10A	0	0	N/A	N/A	45.07.769
10B	0	0	N/A	N/A	87 45.161
10C					
11A					
11B					
11C					
12A					
12B					
12C					
13A					
13B					
13C					
14A					
14B					
14C					
15A					
15B					
15C					

Abundance Scale: 0-Absent, 1-Present, 2-Presence Less Than Half, 3-Equal Presence Compared to Other Species, 4-Dominant Species Present, 5-Total Infestation



# Peshtigo River Hydroelectric Project Eurasian Water Milfoil Survey

Aerial Source: Bing Maps

- Transect Point
- Observation Point
- Observation Area



0 1,600 3,200 Feet

## Eurasian Water Milfoil Surveys - 2014

## Peshtigo River

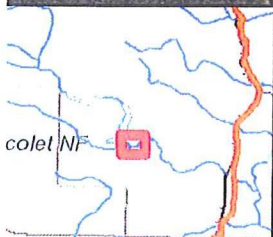
Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin
1A	1	0	N/A	N/A	45 03.332
1B	2	4	N/A	N/A	87 44.925
1C	4	4	N/A	N/A	
2A					
2B					
2C					
3A	0	0	N/A	N/A	45 04.010
3B	0	1	N/A	N/A	87 44.708
3C	0	0	N/A	N/A	
4A	2	3	N/A	N/A	45 04.129
4B	0	0	N/A	N/A	87 44.687
4C	0	0	N/A	N/A	
5A	1	1	N/A	N/A	45 04.223
5B	4	1	N/A	N/A	87 44.687
5C	2	1	N/A	N/A	
6A	4	3	N/A	N/A	45 04.338
6B	1	1	N/A	N/A	87 44.634
6C	0	0	N/A	N/A	
7A					
7B					
7C					
8A					
8B					
8C					
9A					
9B					
9C					
10A	3	1	N/A	N/A	45 05.038
10B	1	0	N/A	N/A	87 45.039
10C	4	1	N/A	N/A	
11A	3	2	N/A	N/A	45 05.060
11B	1	0	N/A	N/A	87 44.846
11C	0	0	N/A	N/A	
12A	0	0	N/A	N/A	45 05.450
12B	0	0	N/A	N/A	87 45.015
12C	0	0	N/A	N/A	
13A	0	0	N/A	N/A	45 05.699
13B	0	0	N/A	N/A	87 45.002
13C	0	0	N/A	N/A	
14A	0	0	N/A	N/A	45 05.822
14B	0	0	N/A	N/A	87 45.184
14C	0	0	N/A	N/A	
15A					
15B					
15C					

Abundance Scale: 0-Absent, 1-Present, 2-Presence Less Than Half, 3-Equal Presence Compared to Other Species,  
4-Dominant Species Present, 5-Total Infestation



# Johnson Falls Hydroelectric Project Eurasian Water Milfoil Survey

Aerial Source: Bing Maps



0 1,000 2,000 Feet

● Transect Point  
● Observation Point  
 Observation Area



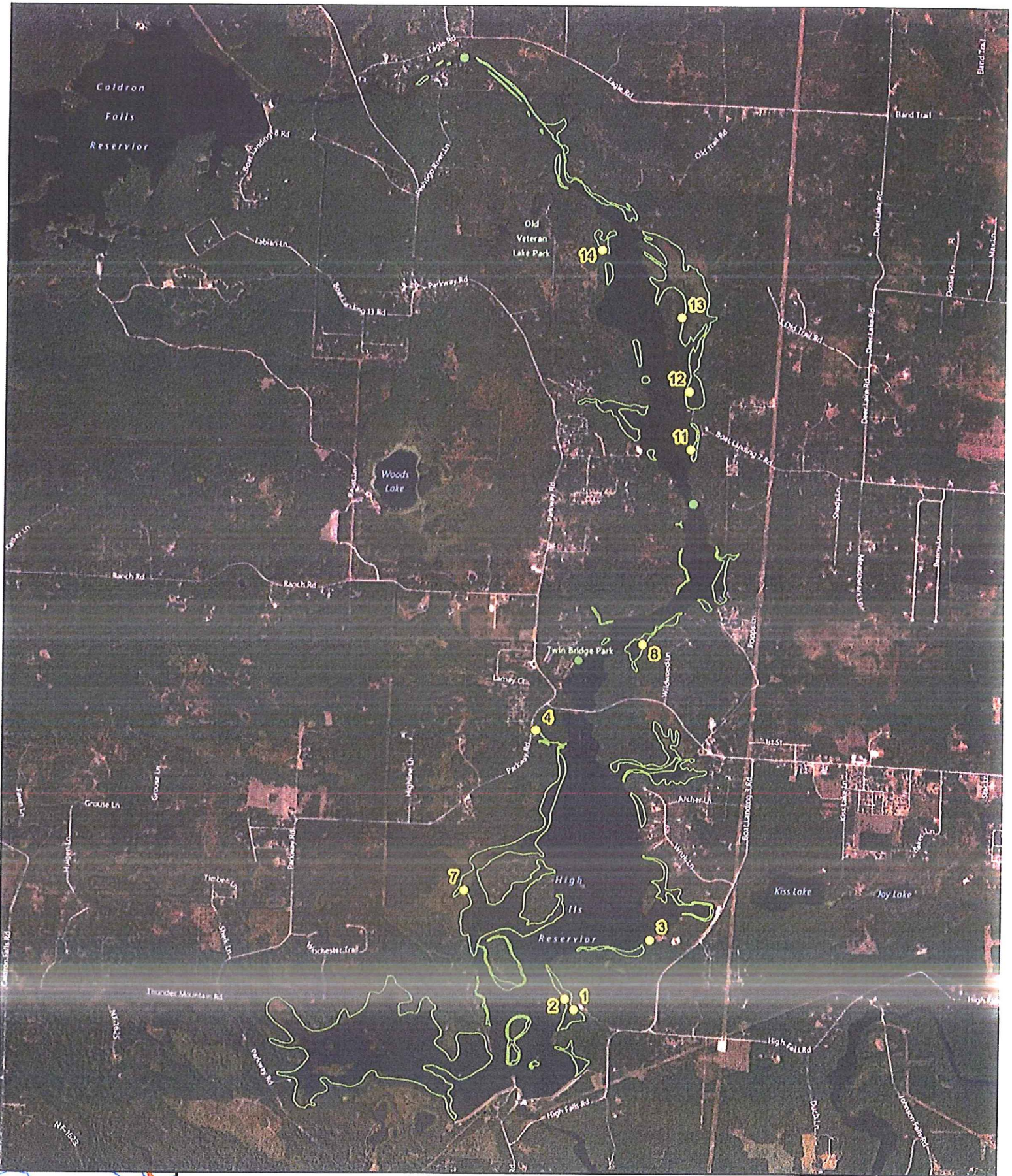
## Eurasian Water Milfoil Surveys - 2014

## Johnson Falls

Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin
1A	0	N/A	N/A	N/A	45 16.49
1B	0	1	N/A	N/A	88 11.134
1C	0	0	N/A	N/A	
2A	0	N/A	N/A	N/A	45 16.295
2B	0	0	N/A	N/A	88 11.205
2C	0	0	N/A	N/A	
3A					
3B					
3C					
4A	0	0	N/A	N/A	45 16.535
4B	0	0	N/A	N/A	88 11.584
4C	0	0	N/A	N/A	
5A	0	0	N/A	N/A	45 16.498
5B	0	0	N/A	N/A	88 11.498
5C	0	0	N/A	N/A	
6A	0	N/A			45 16.161
6B	1	N/A			88 11.074
6C	2	N/A			
7A					
7B					
7C					
8A	0	0	N/A	N/A	45 16.107
8B	0	0	N/A	N/A	88 10.588
8C	0	0	N/A	N/A	
9A	0	N/A	N/A	N/A	45 16.091
9B	0	0	N/A	N/A	88 10.317
9C	0	0	N/A	N/A	
10A	2	1	N/A	N/A	45 16.131
10B	0	0	N/A	N/A	88 10.141
10C	0	0	N/A	N/A	
11A	0	0	N/A	N/A	45 16.181
11B	0	0	N/A	N/A	88 09.644
11C	0	0	N/A	N/A	
12A					
12B					
12C					
13A					
13B					
13C					
14A	4	3	3	N/A	45 16.717
14B	4	4	3	N/A	88 09.681
14C	2	2	N/A	N/A	
15A					
15B					
15C					

Abundance Scale: 0-Absent, 1-Present, 2-Presence Less Than Half, 3-Equal Presence Compared to Other Species, 4-Dominant Species Present, 5-Total Infestation





# High Falls Hydroelectric Project Eurasian Water Milfoil Survey

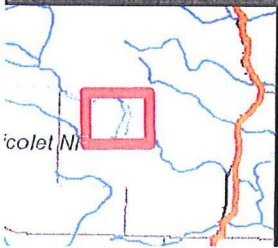
Aerial Source: Bing Maps

- Transect Point
- Observation Point



  Observation Area - 2014

0 2,750 5,500 Feet



8/27/2014

## Eurasian Water Milfoil Surveys - 2014

## High Falls

Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin
1A	5	0	N/A	N/A	45 17.211
1B	0	1	N/A	N/A	88 11.662
1C	0	0	N/A	N/A	
2A	3	0	N/A	N/A	
2B	5	3	N/A	N/A	45 17.259
2C	5	3	N/A	N/A	88 11.725
3A	0	0	N/A	N/A	
3B	0	0	N/A	N/A	45 17.542
3C	0	0	N/A	N/A	88 11.164
4A	1	1	N/A	N/A	
4B	0	0	N/A	N/A	45 18.514
4C	0	1	N/A	N/A	88 11.949
5A					
5B					
5C					
6A					
6B					
6C					
7A	0	0	N/A	N/A	
7B	0	0	N/A	N/A	45 17.763
7C	0	0	N/A	N/A	88 12.407
8A	5	4	N/A	N/A	
8B	5	4	N/A	N/A	45 18.924
8C	5	2	N/A	N/A	88 11.263
9A					
9B					
9C					
10A					
10B					
10C					
11A	0	0	N/A	N/A	
11B	0	0	N/A	N/A	45 19.833
11C	0	0	N/A	N/A	88 10.983
12A	5	2	N/A	N/A	
12B	4	1	N/A	N/A	45 20.104
12C	3	1	N/A	N/A	88 11.003
13A	0	0	N/A	N/A	
13B	0	0	N/A	N/A	45 20.450
13C	0	0	N/A	N/A	88 11.065
14A	0	N/A	N/A	N/A	
14B	1	N/A	N/A	N/A	45 20.762
14C	0	0	N/A	N/A	88 11.606
15A					
15B					
15C					

Abundance Scale: 0-Absent, 1-Present, 2-Presence Less Than Half, 3-Equal Presence Compared to Other Species, 4-Dominant Species Present, 5-Total Infestation

APPENDIX C

Johnson Falls 2014

**ZEBRA MUSSEL INSPECTION RESULTS  
PESHTIGO RIVER HYDROELECTRIC PROJECTS**

HYDRO NAME:

- Caldron Falls     
  Johnson Falls     
  Potato Rapids     
  Grand Rapids  
 High Falls     
  Sandstone Rapids     
  Peshtigo

Date	Inspection Type		No Zebra Muscles Present	Zebra Muscles Present	Operator	Comments
	Monthly	During Drawdown				
5/12	✓		✓	0	MN	
6/5	✓		✓	0	MN	
7/10	✓		✓	0	DB	
8/16	✓		✓	0	MN	
9/17/14	✓		✓	0	MN	

























APPENDIX D



## WPS LETTERS TO THE RESOURCE AGENCIES

## Nuthals, James D

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**From:** Nuthals, James D  
**Sent:** Tuesday, September 30, 2014 5:05 PM  
**To:** 'pmoy@aqua.wisc.edu'  
**Subject:** 2012-2014 WPS Peshtigo River Hydroelectric Project Zebra Mussel Information  
**Attachments:** 2014PeshZMAAppendixC.pdf

Hi Phil,

Please reference the zebra mussel survey information collected from the Wisconsin Public Service Corporation (WPS) Peshtigo River Hydroelectric Projects.

The data was collected from May to September in the years of 2012, 2013 and 2014.

Please let me know if you have any questions or concerns.

Sincerely

### James D Nuthals

**Natural Resource Management | Environmental Services | Integrys Business Support, LLC**

920-433-1460

920-309-0741 *cell (please note cell phone number change)*

920-433-1176 *fax*

[jdnuthals@integrysgroup.com](mailto:jdnuthals@integrysgroup.com)

[www.integrysgroup.com](http://www.integrysgroup.com)

*Providing support for Integrys Energy Group, Integrys Energy Services, Michigan Gas Utilities, Minnesota Energy Resources, North Shore Gas, Peoples Gas, Upper Peninsula Power Company, Wisconsin Public Service, and Wisconsin River Power.*

## Nuthals, James D

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**From:** Nuthals, James D  
**Sent:** Thursday, September 18, 2014 2:30 PM  
**To:** 'Laatsch, Cheryl - DNR'; Utrup, Nick <nick\_utrup@fws.gov> (nick\_utrup@fws.gov)  
**Subject:** 2014 WPS Peshtigo River Hydroelectric Project - EWM PL ZM Survey Results  
**Attachments:** 20140918Peshtigo InvSpecSurvey FWS.pdf; 20140918Peshtigo InvSpecSurvey WDNR.pdf; 2014PeshEWMAAppendixA.pdf; 2014PeshZMAAppendixC.pdf; 2014PeshPLAppendixB.pdf

**Importance:** High

Hi Cheryl and Nick,

Please reference the attached Wisconsin Public Service 2014 Peshtigo River Hydroelectric Project Eurasian water milfoil, purple loosestrife and zebra mussel results.

Please let me know if you have any questions or concerns.

Sincerely,

**James D Nuthals**

**Natural Resource Management | Environmental Services | Integrys Business Support, LLC**

920-433-1460

920-309-0741 *cell (please note cell phone number change)*

920-433-1176 *fax*

[jdnuthals@integrysgroup.com](mailto:jdnuthals@integrysgroup.com)

[www.integrysgroup.com](http://www.integrysgroup.com)

*Providing support for Integrys Energy Group, Integrys Energy Services, Michigan Gas Utilities, Minnesota Energy Resources, North Shore Gas, Peoples Gas, Upper Peninsula Power Company, Wisconsin Public Service, and Wisconsin River Power.*



Wisconsin Public Service Corporation

700 North Adams Street

P.O. Box 19001

Green Bay, WI 54307-9001

September 18, 2014

Ms. Cheryl Laatsch  
Wisconsin Department of Natural Resources  
P.O. Box 7921  
Madison, WI 53707-7921

Dear Ms. Laatsch:

### **Peshtigo River Hydroelectric Projects - CLWMP Invasive Species Monitoring Plan**

As per the Federal Energy Regulatory Commission (FERC) Order Modifying and Approving the Updated Comprehensive Land and Wildlife Management Plan (CLWMP)- Invasive Species Monitoring Plan for the Peshtigo Hydroelectric Project (FERC Project No. 2581), Potato Rapids Hydroelectric Project (FERC Project No. 2560), Caldron Falls Hydroelectric Project (FERC Project No. 2525), High Falls Hydroelectric Project (FERC Project No. 2595), Johnson Falls Hydroelectric Project (FERC Project No. 2522) and Sandstone Rapids (FERC Project No. 2546 issued on July 21, 2014, Wisconsin Public Service (WPS) is to provide monitoring reports to the Wisconsin Department of Natural Resources (WDNR) and U.S. Fish & Wildlife Service (FWS) by September 30, each year a survey has been completed.

### **2014 Peshtigo River Projects – Purple Loosestrife Survey Results**

Purple loosestrife (PL) surveys were completed on the Peshtigo River Hydroelectric Projects from July 15 – July 28, 2014. Two small colonies of PL were identified at the Peshtigo Hydroelectric Project. No other PL colonies were identified at any of the other Peshtigo River Hydroelectric Projects. Appendix A includes the PL survey results for the Peshtigo Hydroelectric Project.

Per the FERC Order Modifying and Approving the Updated CLWMP- Invasive Species Monitoring Plan dated June 12, 2012, if PL is no longer observed during the 2014 survey activities, WPS will survey for PL at the Potato Rapids Hydroelectric every third year in conjunction with Eurasian Water Milfoil (EWM) survey. The 2014 PL survey did not identify the presence of PL at the Potato Rapids Hydroelectric Project, therefore WPS will complete the next PL survey in 2017, in conjunction with the EWM surveys for all of the Peshtigo River Hydroelectric Projects.

### **2014 Peshtigo River Projects – Eurasian Water Milfoil Survey Results**

Surveys for EWM were also completed from July 15 through July 28, 2014 on all six of the Peshtigo River Hydroelectric Projects. EWM was again observed at all six hydroelectric projects. EWM populations were observed at higher populations than in 2011 at the Caldron Falls (148 acres – 221 acres), Peshtigo (1 acre – 34 acres), Potato Rapids (1 acre to 2 acres), and Johnson Falls (8 acres to 12 acres). Hydroelectric Projects and lower EWM populations were observed at High Falls (610 acres to 546 acres)

Ms. Cheryl Laatsch  
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and Sandstone Rapids (21 acres to 8 acres) Hydroelectric Projects. Appendix B includes the 2014 EWM survey results and figures for the six projects.

Overall, the changes in EWM populations are similar to fluctuation observed in previous surveying events and at other WPS hydroelectric projects.

It is also important to note that the acres of included on the figures represent the furthest extent of where the EWM was identified. Within the defined EWM extent consists a variety of aquatic vegetation, in approximately 75% of the transects sampled, EWM was observed at present less than half compared to the surrounding vegetation.

### **2012-2014 Zebra Mussel Sampling Results**

Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for the Caldron Falls, High Falls, Johnson Falls, and Sandstone Rapids Hydroelectric Project for the months of May through September for each survey year (2012-2014). Zebra mussels were not observed on the substrate samplers during any of the sampling events. In addition, zebra mussels were not observed by WPS employees at any of the four hydroelectric projects. Appendix C provides a copy of the monthly substrate sampling results for the three years of sampling.

If you have any questions or concerns, please contact me within thirty (30) days of receiving this information.

Sincerely,



James Nuthals  
Environmental Services  
Natural Resource Management  
Office: (920) 433-1460  
Email: [jdnuthals@integrysgroup.com](mailto:jdnuthals@integrysgroup.com)

jdn/rjf  
Enclosures



Wisconsin Public Service Corporation

700 North Adams Street

P.O. Box 19001

Green Bay, WI 54307-9001

September 18, 2014

Mr. Nicholas Utrup  
U.S. Fish & Wildlife Service  
Department of the Interior  
4101 American BLVD E  
Bloomington, MN 55425

Dear Mr. Utrup:

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Mr. Nicholas Utrup  
September 18, 2014  
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Sincerely,



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jdn/rjf  
Enclosures

APPENDICES A, B, C, & D WERE SPECIFICALLY REMOVED FROM THESE FILINGS IN AN EFFORT TO REDUCE THE OVERALL FILE SIZE. APPENDICES A, B, C, & D INCLUDED IN THIS FERC FILING ARE IDENTICAL TO THE APPENDICES PROVIDED TO THE RESOURCE AGENCIES



NO COMMENTS WERE RECEIVED FROM THE WISCONSIN DEPARTMENT OF NATURAL  
RESOURCES, MICHIGAN DEPARTMENT OF NATURAL RESOURCES, OR THE U.S. FISH AND  
WILDLIFE SERVICE

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