



ORIGINAL

October 29, 2007

Ms. Megale R. Salas, Secretary
 Federal Energy Regulatory Commission
 Mail Code: DTCA, HL 21.3
 888 First Street, N.E.
 Washington, DC 20428

2007 OCT 30 A 11:45

SECRETARY
 FEDERAL ENERGY COMMISSION

Wisconsin Public Service Corporation

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

www.wisconsinpublicservice.com

P-2525-090 P-2560-089
 P-2595-116 P-2581-063
 P-2532-107
 P-2546-098

Dear Secretary Salas:

FERC Project No. 2525, No. 2595, No. 2522, No. 2546, No. 2560, and No. 2581

As per the order approving the updated Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project 2595), Johnson Falls Project (FERC Project 2522), Sandstone Rapids Project (FERC Project No. 2546), Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on March 29, 2006, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife and zebra mussels.

All of the above mentioned projects were surveyed for purple loosestrife from July 30, 2007 to August 1, 2007. As in previous surveys, the presence of purple loosestrife was indicated at the Peshtigo Project. One single purple loosestrife plant was also identified at the High Falls Project (No purple loosestrife was identified in 2006). The plant was hand cut and sprayed with an approved herbicide. Peshtigo and High Falls figures indicating the location and colony size are located in Appendix A. A size comparison of the 2006 to 2007 survey results for purple loosestrife at the Peshtigo and High Falls Project are also provided in Appendix A. The comparison also provides any control methods that were conducted.

Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for all six projects for the months of May through September. Zebra mussels were not found at any of the six projects during any of the monthly 2007 inspections. A summary of the results has been included in Appendix B.

Eurasian watermilfoil surveys are to be conducted on a tri-annual basis with the next surveys scheduled for 2008.

Documentation of submittal of these results to the Agencies can be found in Appendix C.

If you should have any questions, please do not hesitate to contact James Nuthals at (920) 433-1460.

Sincerely,

Terry P. Jansky
 Vice President - Energy Supply Operations
 Telephone: (715) 355-2047

syx

Enc.

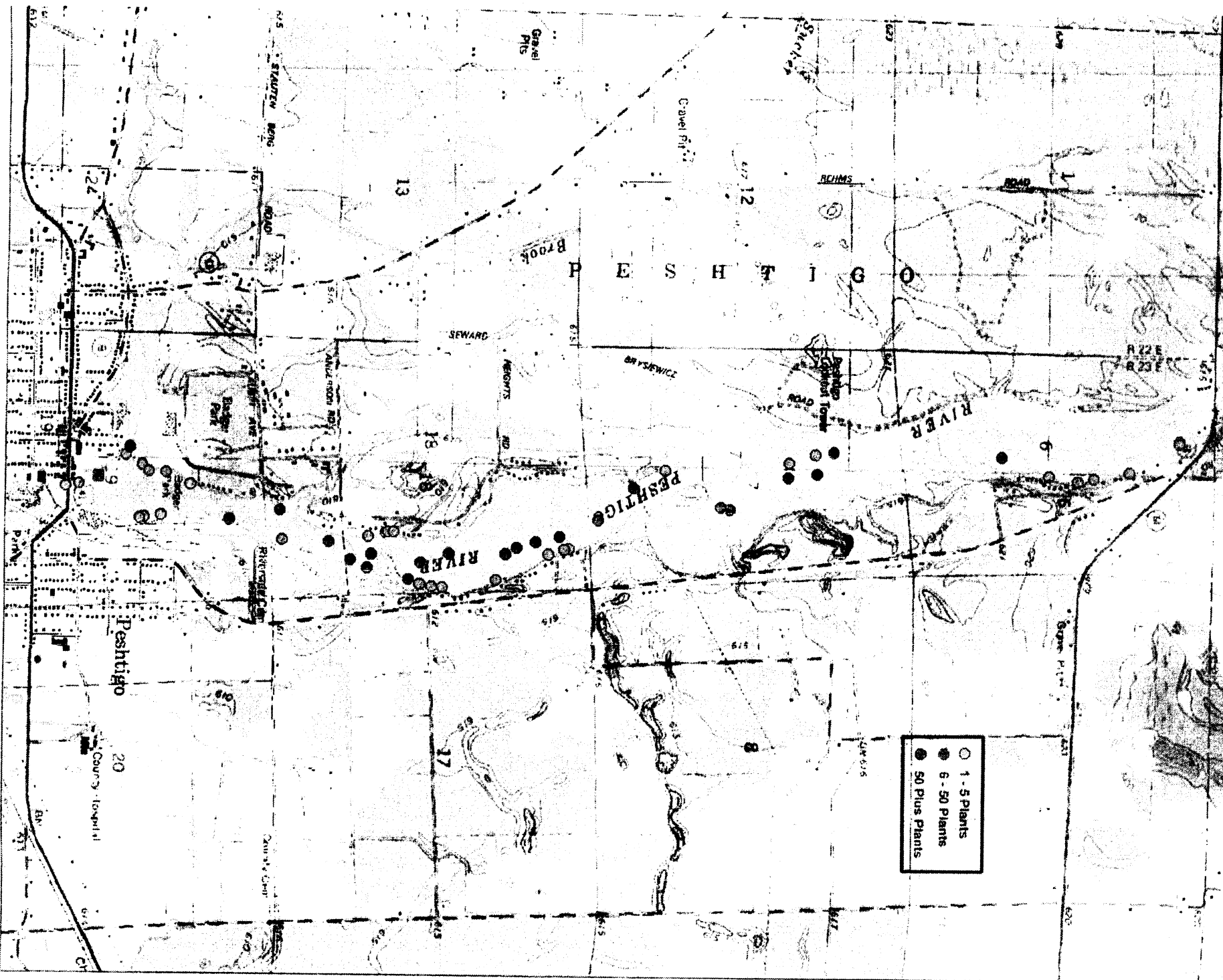
cc: Mr. Mark DeCleene - WPSC, CRI
 Mr. Bruce Crocker - WPSC, D2
 Mr. Gil Snyder - WPSC, D2
 Mr. Edward Brandt, WPSC - MM

Ms. Peggy Harding - FERC, Chicago
 Ms. Joan Johaneck - WPSC, D2
 Ms. Carlisa Linton - FERC, DC

APPENDIX A

PURPLE LOOSESTRIFE SURVEY - 2007

Peshigo Purple Loosestrife 2007



Purple Loosestrife Survey - 2007			
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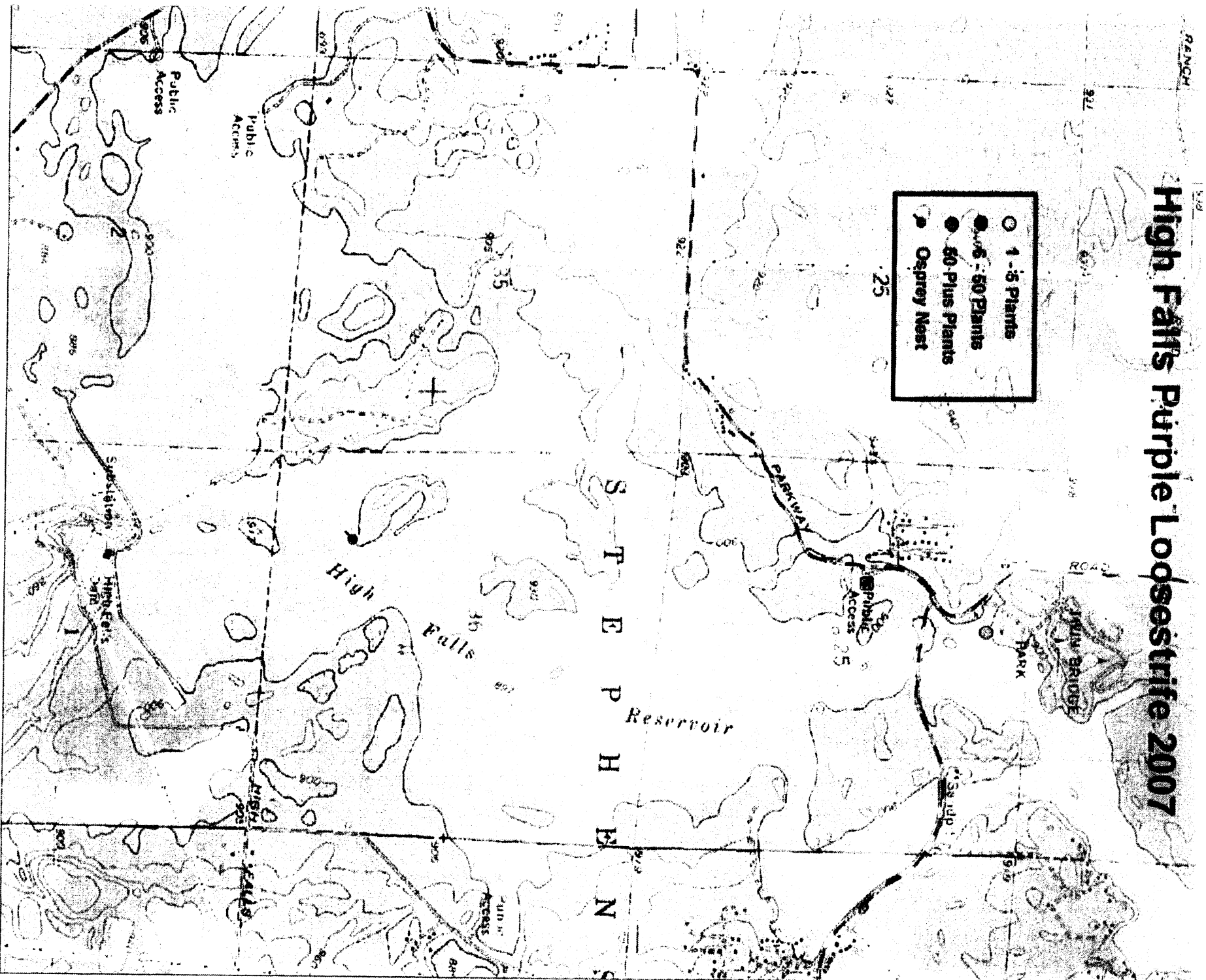
Peshtigo			
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Number	Latitude	Longitude	Amount
1	45 3.25747	87 44.90001	1-5 Plants
2	45 3.29351	87 44.90693	1-5 Plants
3	45 3.42394	87 45.01986	1-5 Plants
4	45 3.43455	87 45.04834	6-50 Plants
5	45 3.46885	87 44.98352	1-5 Plants
6	45 3.48881	87 44.96034	1-5 Plants
7	45 3.53695	87 44.95860	1-5 Plants
8	45 3.60273	87 44.91507	1-5 Plants
9	45 3.60294	87 44.91392	1-5 Plants
10	45 3.84914	87 44.81660	50+ Plants
11	45 3.98559	87 44.69952	6-50 Plants
12	45 4.04484	87 44.63380	50+ Plants
13	45 4.09365	87 44.72285	1-5 Plants
14	45 4.13963	87 44.73954	1-5 Plants
15	45 4.14698	87 44.74258	1-5 Plants
16	45 4.16119	87 44.74211	1-5 Plants
17	45 4.23624	87 44.62816	6-50 Plants
18	45 4.31158	87 44.66202	6-50 Plants
19	45 4.46649	87 44.66529	50+ Plants
20	45 4.49600	87 44.68785	50+ Plants
21	45 4.54767	87 44.71150	50+ Plants
22	45 4.61387	87 44.73376	50+ Plants
23	45 4.71652	87 44.79906	50+ Plants
24	45 4.81056	87 44.92538	50+ Plants
25	45 4.89726	87 44.99257	1-5 Plants
26	45 5.23248	87 45.02781	1-5 Plants
27	45 5.30187	87 45.06108	1-5 Plants
28	45 5.35226	87 45.06890	6-50 Plants
29	45 6.28738	87 45.13286	1-5 Plants
30	45 6.28750	87 45.12375	1-5 Plants
31	45 6.15271	87 45.01430	1-5 Plants
32	45 6.05629	87 44.98740	1-5 Plants
33	45 6.01294	87 44.97480	1-5 Plants
34	45 5.93606	87 44.99523	1-5 Plants
35	45 5.80798	87 45.06291	50+ Plants
36	45 5.30840	87 44.98759	6-50 Plants
37	45 5.22930	87 44.97332	50+ Plants
38	45 5.07200	87 44.84479	50+ Plants
39	45 5.05004	87 44.85471	50+ Plants
40	45 4.63998	87 44.68841	1-5 Plants
41	45 4.62650	87 44.68408	1-5 Plants
42	45 4.58458	87 44.66480	1-5 Plants
43	45 4.44115	87 44.56734	1-5 Plants
44	45 4.29534	87 44.53412	1-5 Plants
45	45 4.26673	87 44.53777	1-5 Plants
46	45 4.23451	87 44.54428	1-5 Plants
47	45 4.20393	87 44.56277	6-50 Plants
48	45 4.10205	87 44.65562	50+ Plants
49	45 4.09217	87 44.60543	50+ Plants

Purple Loosestrife Survey - 2007**Peshigo**

Number	Latitude		Longitude		Amount
50	45	3.85677	87	44.70559	1-5 Plants
51	45	3.71209	87	44.78002	6-50 Plants
52	45	3.52409	87	44.79353	1-5 Plants
53	45	3.47584	87	44.78242	1-5 Plants
54	45	3.46310	87	44.77943	1-5 Plants

High Falls Purple Loosestripe 2007



- 1-5 Plants
- 6-50 Plants
- 50-Plus Plants
- Osprey Nest

322

327

332

322

ROAD

PARK

JULIA BRIDGE

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Public Access

Speckleton

High Falls

Public Access

Public Access

Public Access

Public Access

Purple Loosestrife Survey - 2007

High Falls

Number	Latitude	Longitude	Amount
1	45 18.75686	88 11.78251	1-5 Plants

Pashtigo Purple Loosestrife Survey 2007

Size	Locations Identified in 2006	Locations Identified in 2007	Control Method
1 to 5	18	32	cut/spray
6 to 50	3	8	
50+	13	14	
Total	34	54	

High Falls Purple Loosestrife Survey 2007

Size	Locations Identified in 2006	Locations Identified in 2007	Control Method
1 to 5	0	1	cut/spray
6 to 50	0	0	
50+	0	0	
Total	0	1	

APPENDIX B

ZEBRA MUSSEL SURVEY - 2007

ZEBRA MUSSEL INSPECTION RESULTS
 PESHTIGO RIVER HYDROELECTRIC PROJECTS

2007

HYDRO NAME

- | | | |
|--|--|--|
| <input type="checkbox"/> Caldron Falls | <input type="checkbox"/> Johnson Falls | <input type="checkbox"/> Potato Rapids |
| <input type="checkbox"/> High Falls | <input checked="" type="checkbox"/> Sandstone Rapids | <input type="checkbox"/> Peshigo |

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 4/24
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 5/22
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 6/20
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 7-4
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 8/21
 COMMENTS/RESULTS: OK

ATTACHMENT A

ZEBRA MUSSEL INSPECTION RESULTS
PESHTIGO RIVER HYDROELECTRIC PROJECTS

HYDRO NAME

- Caldron Falls Johnson Falls Potato Rapids
- High Falls Sandstone Rapids Peshigo

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN

DATE: 9-14-7

COMMENTS/RESULTS: ok

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN

DATE: _____

COMMENTS/RESULTS: _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN

DATE: _____

COMMENTS/RESULTS: _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN

DATE: _____

COMMENTS/RESULTS: _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN

DATE: _____

COMMENTS/RESULTS: _____

2006

ATTACHMENT A

ZEBRA MUSSEL INSPECTION RESULTS
PESHTIGO RIVER HYDROELECTRIC PROJECTS

HYDRO NAME

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

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 4/24/7
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 5/22/7
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 6/19/7
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 7-27-07
 COMMENTS/RESULTS: OK

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 8-9-7
 COMMENTS/RESULTS: OK

2001

ATTACHMENT A

ZEBRA MUSSEL INSPECTION RESULTS
PESHTIGO RIVER HYDROELECTRIC PROJECTS

HYDRO NAME

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

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 9-7-07
 COMMENTS/RESULTS: O.K.
M.N.

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: _____
 COMMENTS/RESULTS: †

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: _____
 COMMENTS/RESULTS: _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: _____
 COMMENTS/RESULTS: _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: _____
 COMMENTS/RESULTS: _____

2006

ATTACHMENT A

ZEBRA MUSSEL INSPECTION RESULTS
PESHTIGO RIVER HYDROELECTRIC PROJECTS

HYDRO NAME

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

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 4/23/7
 COMMENTS/RESULTS: ok

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 5/22/7
 COMMENTS/RESULTS: ok

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 6/11/7
 COMMENTS/RESULTS: ok

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 7-27-07
 COMMENTS/RESULTS: ok

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 8-22-7
 COMMENTS/RESULTS: ok

ZEBRA MUSSEL INSPECTION RESULTS
PESHTIGO RIVER HYDROELECTRIC PROJECTS

HYDRO NAME

- Caldron Falls
- High Falls

- Johnson Falls
- Sandstone Rapids

- Potato Rapids
- Peshtigo

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: 9-7-07
 COMMENTS/RESULTS: Ok.

 _____ *M.N.* _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: _____
 COMMENTS/RESULTS: _____

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 DATE: _____
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 DATE: _____
 COMMENTS/RESULTS: _____

INSPECTION TYPE: MONTHLY INSPECTION INSPECTION DURING DRAWDOWN
 DATE: _____
 COMMENTS/RESULTS: _____

APPENDIX C
AGENCY CORRESPONDENCE



Wisconsin Public Service Corporation
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

September 28, 2007

Mr. Tyler Yasenak
U.S. Fish & Wildlife Service
Department of the Interior
2881 Scott Tower Drive
New Franken, WI 54229-0565

Dear Mr. Yasenak:

FERC Project No. 2525, No. 2595, No. 2522, No. 2546, No. 2560, and No. 2581

As per the order approving the updated Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project 2595), Johnson Falls Project (FERC Project 2522), Sandstone Rapids Project (FERC Project No. 2546), Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on March 29, 2006, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife and zebra mussels.

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Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for all six projects for the months of May through September. Zebra mussels were not found at any of the six projects during any of the monthly 2007 inspections. A summary of the results has been included in Appendix B.

Eurasian watermilfoil surveys are to be conducted on a tri-annual basis with the next surveys scheduled for 2008.

If you have any questions, please do not hesitate to call me at (920) 433-1460.

Sincerely,

A handwritten signature in black ink, appearing to read "James D. Nuthals".

James D. Nuthals
Environmental Consultant

syx

Enc.

cc: Ms. Joan Johaneck, WPSC



Wisconsin Public Service Corporation

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

www.wisconsinpublicservice.com

September 26, 2007

Mr. Scott Watson
Wisconsin Department of Natural Resources
Division of Water
5301 Rib Mountain
Wausau, WI 54401

Dear Mr. Watson:

FERC Project No. 2525, No. 2595, No. 2522, No. 2546, No. 2560, and No. 2581

As per the order approving the updated Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project 2595), Johnson Falls Project (FERC Project 2522), Sandstone Rapids Project (FERC Project No. 2546), Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on March 29, 2006, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife and zebra mussels.

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James D. Nuthais
Environmental Consultant

syx

Enc.

cc: Ms. Joan Johaneck, WPSC



Wisconsin Public Service Corporation
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

September 28, 2007

Mr. Phil Moy
UW Manitowoc
705 Viebann Street
Manitowoc, WI 54220

Dear Mr. Moy:

FERC Project No. 2525, No. 2595, No. 2522, No. 2546, No. 2560, and No. 2581

As per the order approving the updated Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project 2595), Johnson Falls Project (FERC Project 2522), Sandstone Rapids Project (FERC Project No. 2546), Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on March 29, 2006, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife and zebra mussels.

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Sincerely,

James D. Nuthals
Environmental Consultant

syx

Enc.

cc: Ms. Joan Johaneck, WPSC