



ORIGINAL

Wisconsin River Power Company  
(owners of the Petenwell & Castle Rock Hydroelectric Plants)  
P.O. Box 19001  
Green Bay, WI 54307-9001

FILED  
OFFICE OF THE  
SECRETARY  
2005 DEC 14  
2005 DEC 14 P 2:00  
FEDERAL ENERGY  
REGULATORY COMMISSION

December 13, 2005

Ms. Magalie R. Salas, Secretary  
Federal Energy Regulatory Commission  
Mail Code: DTCA, HL 21.3  
888 First Street, N.E.  
Washington, DC 20426

Dear Secretary Salas:

Exotic Species Monitoring for FERC Project No. 1984-078

As per the order approving Purple Loosestrife and Eurasian Water Milfoil Monitoring Plan for the Petenwell-Castle Rock Project (FERC Project No. 1984-078) issued on January 22, 2003, Wisconsin River Power Company (WRPCO) is submitting the survey results for Purple Loosestrife.

The Petenwell and Castle Rock Flowages were surveyed for Purple Loosestrife from July 12, 2005 through July 13, 2005. The presence of Purple Loosestrife was identified on the Petenwell Flowage mainly on the north end. The results of the 2005 Purple Loosestrife survey on the Petenwell Flowage are similar to the results from the 2004 survey.

Purple loosestrife was not identified on the Castle Rock Flowage. One area of Purple Loosestrife was identified during the 2004 survey. The Purple Loosestrife was cut and sprayed using an approved herbicide during that survey and appears to have been controlled. The results from the 2005 Purple Loosestrife survey for the Petenwell and Castle Rock Flowages are attached as Appendix A.

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

The schedule for Eurasian Water Milfoil is every three years, with the next survey being conducted in 2006.

Should you have any questions or require additional information, please do not hesitate to contact James Nuthals at (920) 433-1460

Sincerely,

Terry P. Jensky  
Assistant Vice President - Energy Supply Operations  
for Wisconsin Public Service Corporation  
Telephone: (715) 355-2047

syx

Enc.

cc: Ms. Joan Johaneck, WPSC - D2  
Mr. Gerry Ganther, WPSC - WRPCO  
Mr. Bruce Crocker, WPSC - D2

Ms. Peggy Harding, FERC - Chicago  
Mr. Gil Snyder, WPSC - D2  
Ms. Carlisa Linton, FERC - DC

**APPENDIX A**

**PURPLE LOOSESTRIFE SURVEY – 2005**

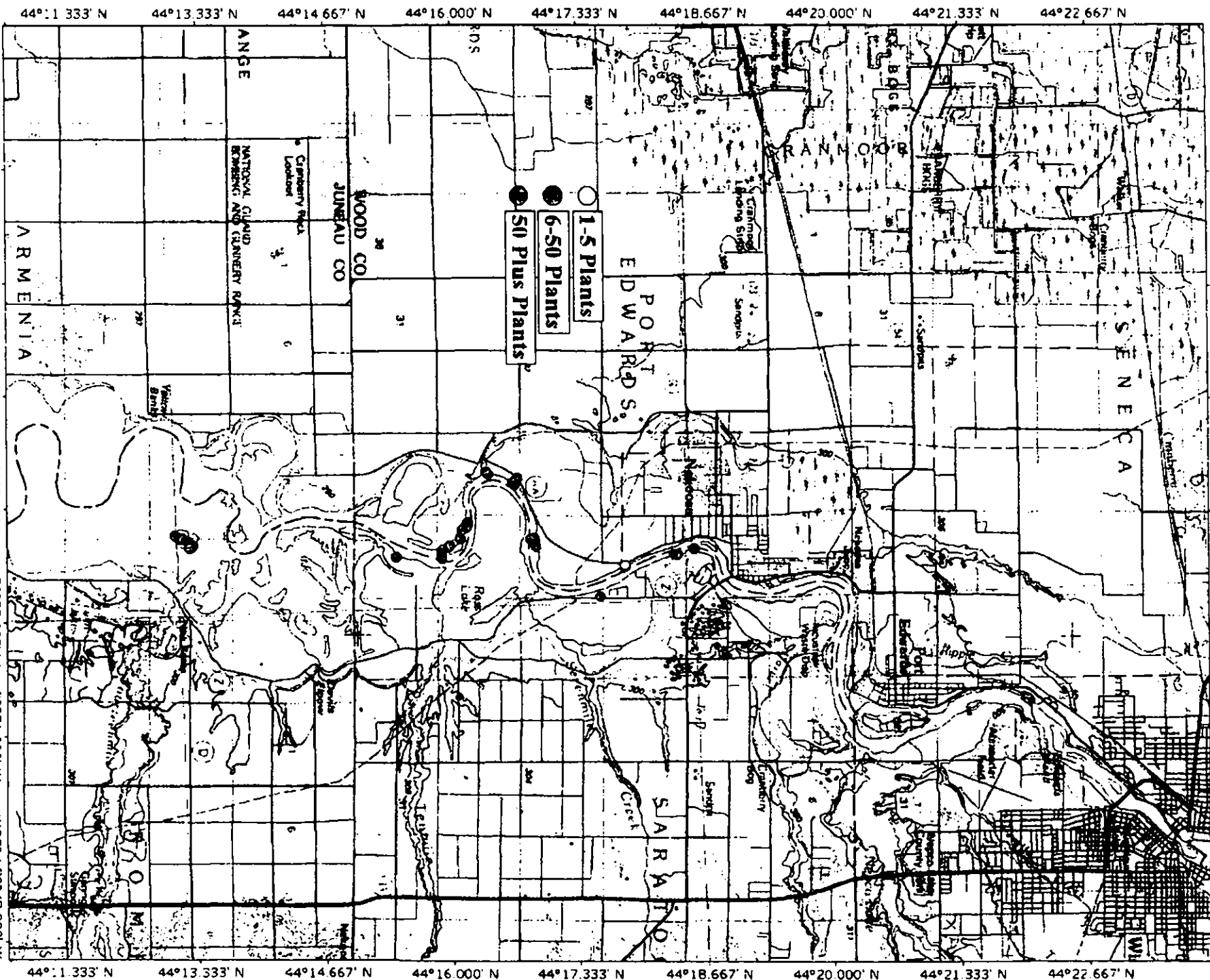
**Purple Loostripe Survey - 2005**

Petenwell

Number	Latitude	Longitude	Amount
1	44 17.553	89 53.054	6-50 Plants
2	44 18.317	89 53.680	50+ Plants
3	44 18.350	89 53.678	6-50 Plants
4	44 18.525	89 53.763	50+ Plants
5	44 17.813	89 53.519	1-5 Plants
6	44 16.869	89 53.790	50+ Plants
7	44 16.859	89 53.817	50+ Plants
8	44 16.860	89 53.871	6-50 Plants
9	44 16.853	89 53.912	50+ Plants
10	44 16.818	89 53.894	50+ Plants
11	44 16.848	89 54.690	6-50 Plants
12	44 16.650	89 54.726	6-50 Plants
13	44 16.648	89 54.714	6-50 Plants
14	44 16.651	89 54.752	6-50 Plants
15	44 16.654	89 54.771	6-50 Plants
16	44 16.661	89 54.785	6-50 Plants
17	44 16.672	89 54.801	6-50 Plants
18	44 16.657	89 54.776	6-50 Plants
19	44 16.621	89 54.730	6-50 Plants
20	44 16.367	89 54.856	6-50 Plants
21	44 16.347	89 54.874	50+ Plants
22	44 16.157	89 54.132	6-50 Plants
23	44 16.152	89 54.123	6-50 Plants
24	44 16.143	89 54.091	6-50 Plants
25	44 16.139	89 54.059	6-50 Plants
26	44 16.103	89 54.027	6-50 Plants
27	44 16.085	89 53.898	6-50 Plants
28	44 15.967	89 53.800	6-50 Plants
29	44 15.956	89 53.785	6-50 Plants
30	44 15.890	89 53.730	6-50 Plants
31	44 15.880	89 53.691	50+ Plants
32	44 15.878	89 53.616	6-50 Plants
33	44 15.405	89 53.624	50+ Plants
34	44 13.075	89 53.933	6-50 Plants
35	44 13.118	89 53.886	6-50 Plants
36	44 13.127	89 53.881	6-50 Plants
37	44 13.135	89 53.886	50+ Plants
38	44 13.149	89 53.898	6-50 Plants
39	44 13.160	89 53.881	50+ Plants
40	44 13.193	89 53.860	6-50 Plants
41	44 13.219	89 53.841	6-50 Plants
42	44 13.230	89 53.829	6-50 Plants
43	44 13.249	89 53.804	50+ Plants
44	44 13.260	89 53.786	50+ Plants
45	44 13.252	89 53.761	50+ Plants
46	44 13.222	89 53.752	6-50 Plants

Pattenwell Purple Loosestrife Survey - 2005

89°59.333' W 89°57.667' W 89°56.000' W 89°54.333' W 89°52.667' W 89°51.000' W WGS84 89°48.000' W



TN PAIR  
1X

Map created with TOPOGO ©2003 National Geographic (www.nationalgeographic.com/topo)

**APPENDIX B**

**DOCUMENTATION OF SUBMITTAL – 2005**



**Wisconsin River Power Company**

(owners of the Petenwell & Castle Rock Hydroelectric Plants)  
PO Box 19001  
Green Bay, WI 54307-9001

September 26, 2005

Ms. Janet Smith  
U.S. Fish & Wildlife Service  
2661 Scott Tower Dr.  
New Franken, WI 54229

Dear Ms. Smith:

Exotic Species Monitoring for FERC Project No. 1984-078

As per the order approving purple loosestrife and Eurasian Water Milfoil Monitoring Plan for the Petenwell-Castle Rock Project (FERC Project No. 1984-078) issued on January 22, 2003, Wisconsin River Power Company (WRPCO) is submitting the survey results for purple loosestrife.

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Purple loosestrife was not identified on the Castle Rock Flowage. One area of purple loosestrife was identified during the 2004 survey. The purple was cut and sprayed using an approved herbicide during that survey and appears to have been controlled. The results from the 2005 purple loosestrife survey for the Petenwell and Castle Rock Flowages are attached as Appendix A.

The schedule for Eurasian water milfoil is every three years, with the next survey being conducted in 2006.

Should you have any questions or require additional information, please do not hesitate to contact me at your earliest convenience.

Sincerely,

James D. Nuthals  
Environmental Consultant  
Telephone: (920) 433-1460

syx

Enc.

cc: Ms. Joan Johaneck, WPSC - D2  
Mr. Gerry Ganther, WRPCO



**Wisconsin River Power Company**

owners of the Petenwell & Castle Rock Hydroelectric Plants  
PO Box 19001  
Green Bay, WI 54307-9001

September 26, 2005

Mr. Robert Martini  
Wisconsin Department of Natural Resources  
107 Sutliff Ave.  
Rhinelander, WI 54501

Dear Mr. Martini:

Exotic Species Monitoring for FERC Project No. 1984-078

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