



Upper Peninsula Power Company

(a subsidiary of Integrys Energy Group)
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

November 25, 2009

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

Dear Secretary Bose:

Purple Loosestrife Survey for the Cataract Hydroelectric Project (FERC #10854) and the AuTrain Hydroelectric Project (FERC #10856)

As per the Federal Energy Regulatory Commission (FERC) Order Modifying and Approving Noxious Plant Monitoring Plan for the AuTrain Hydroelectric Project (FERC #10856) issued September 28, 1998, Upper Peninsula Power Company (UPPCO) is to provide the Purple Loosestrife Survey results to the Federal Energy Regulatory Commission (FERC) tri-annually starting in 2003.

Purple loosestrife surveys were completed on August 6, 2007, August 20, 2008 and August 26, 2009.

2007

Purple loosestrife was identified in six locations. Three colonies contained one to five plants and the remaining three colonies were between 6-50 plants. The small colonies were cut and sprayed using an approved aquatic herbicide. The colonies containing 6-50 plants were sprayed using an approved aquatic herbicide. A colony identified in 2006 as having greater than 50 plants was observed during the 2007 survey as containing 18 plants. This colony was sprayed with an approved aquatic herbicide during the 2007 survey activities.

2008

Purple loosestrife was identified in five locations. Two colonies contained one to five plants and the remaining three colonies were between 6-50 plants. The small colonies were cut and sprayed using an approved aquatic herbicide. The colonies containing 6-50 plants were sprayed using an approved aquatic herbicide.

2009

On June 25, 2009, UPPCO released *Galerucella sp.* beetle larva at Colony Number 4. Approximately 500 beetle larvae were released.

A purple loosestrife survey was completed on August 26, 2009. A total of five purple loosestrife colonies were identified within the project boundary. Only one colony (Colony Number 4) exhibited signs of beetle feeding. This was however anticipated, as it is the first year of beetle releases.

Ms. Kimberly D. Bose
November 25, 2009
Page 2 of 2

Appendix A includes the survey results from the 2007 Purple Loosestrife Survey, the 2008 Purple Loosestrife Survey results including a colony size comparison from the 2007 and 2008 survey activities, and the 2009 Purple Loosestrife Survey results including the purple loosestrife colony locations, colony size, beetle larva release sites, and general plant vigor of the colonies and a colony size comparison figure from the 2008 and 2009 survey activities.

As per the FERC Order Modifying and Approving Noxious Plant Monitoring Plan for the Cataract Hydroelectric Project (FERC #10854) issued September 30, 1998, UPPCO is to provide the Purple Loosestrife Survey results to the FERC tri-annually starting in 2003.

Purple Loosestrife Surveys were completed on August 8, 2007, August 7, 2008 and August 19, 2009. No purple loosestrife was identified within the project boundary or 1,000 feet downstream of the powerhouse during any of the surveys.

Documentation of submittal to the resource agencies of the 2007, 2008 and 2009 Purple Loosestrife Survey results for the AuTrain and Cataract Hydroelectric Projects is included in Appendix B.

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

Sincerely,

Handwritten signature of Terry P. Jensky in cursive script.

Terry P. Jensky
Vice President - Energy Supply Operations
for Wisconsin Public Service Corporation
Telephone: (920) 433-2900

syx

Enc.

cc: Ms. Carlisa Linton, FERC - DC
Ms. Jessica Mistak, MDNR
Ms. Christie Deloria-Sheffield, FWS
Mr. Shawn Puzen, WPS - D2

Mr. Gil Snyder, WPS - D2
Ms. Joan Johaneck, WPS - D2
Mr. Howard Giesler, WPS - PUL

APPENDIX A

AU TRAIN HYDROELECTRIC PROJECT

PURPLE LOOSESTRIFE SURVEY RESULTS 2007, 2008 & 2009

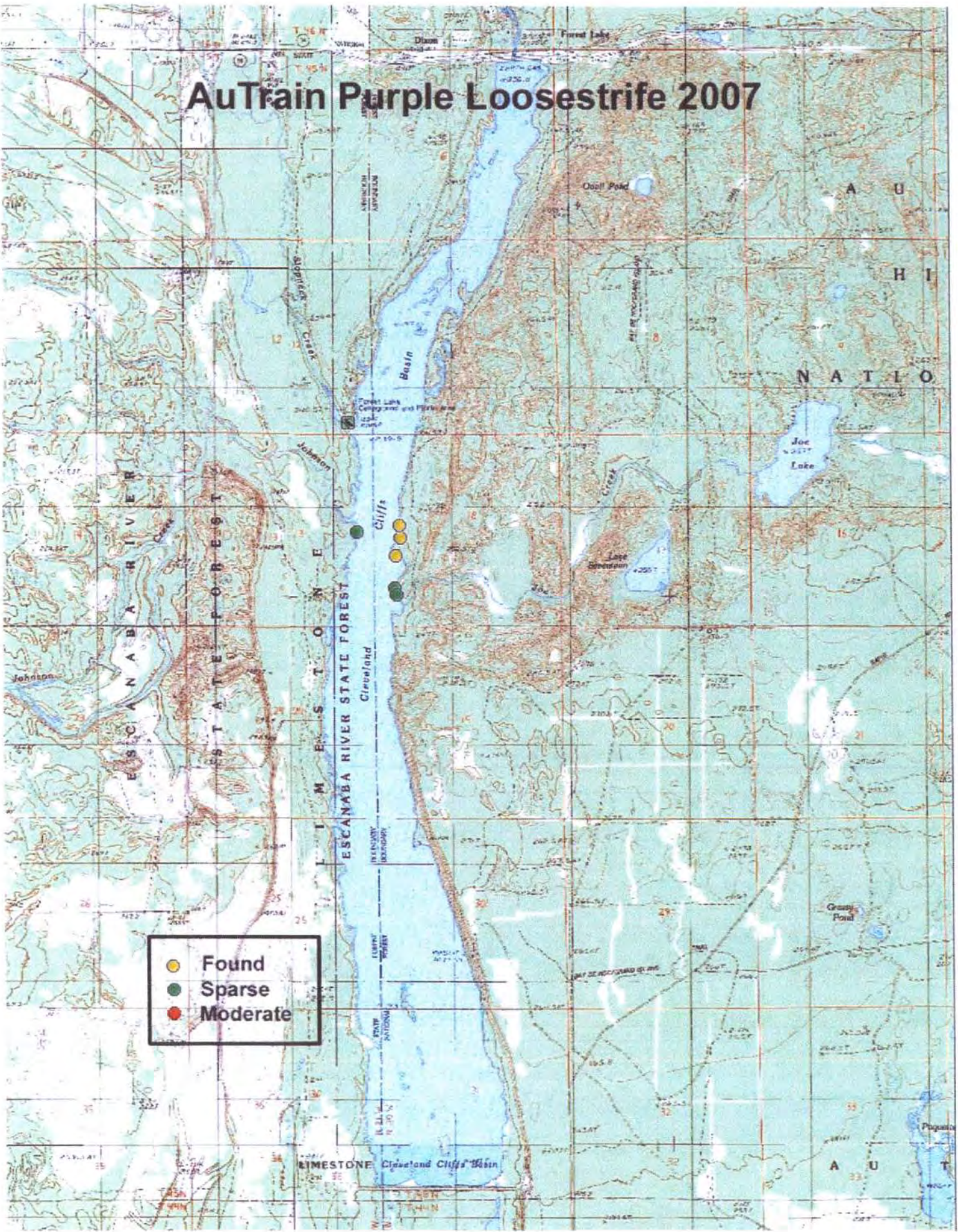
APPENDIX B

AU TRAIN AND CATARACT HYDROELECTRIC PROJECT

DOCUMENTAION OF SUBMITTAL

Purple Loosestrife Survey - 2007					
AuTrain					
Number	Latitude		Longitude		Amount
1	46	17.79772	86	52.07621	6-50 Plants
2	46	17.54224	86	51.82285	6-50 Plants
3	46	17.51431	86	51.81430	6-50 Plants
4	46	17.69111	86	51.82095	1-5 Plants
5	46	17.77517	86	51.78741	1-5 Plants
6	46	17.82789	86	51.79398	1-5 Plants

AuTrain Purple Loosestrife 2007

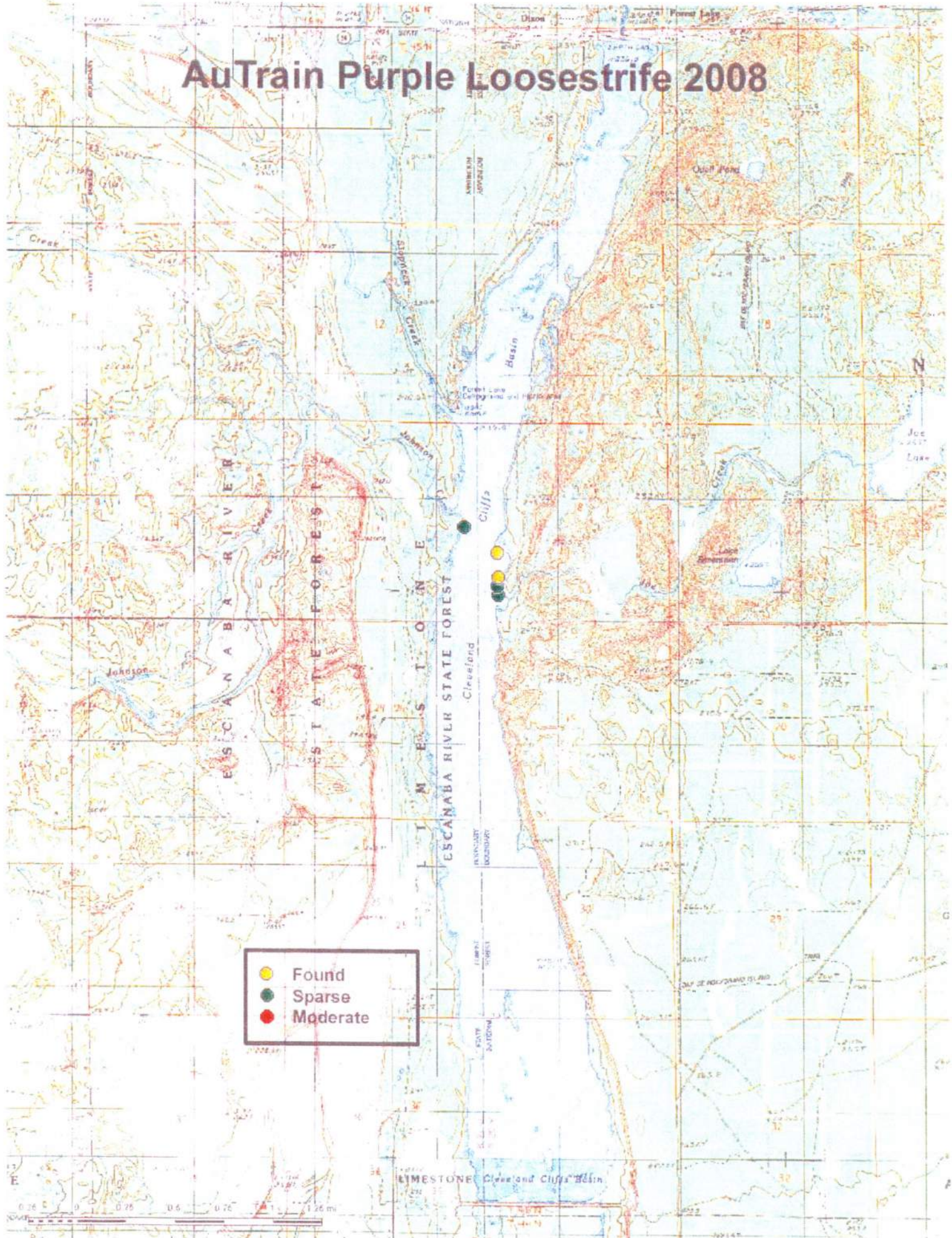


Purple Loosestrife Survey - 2008

AuTrain

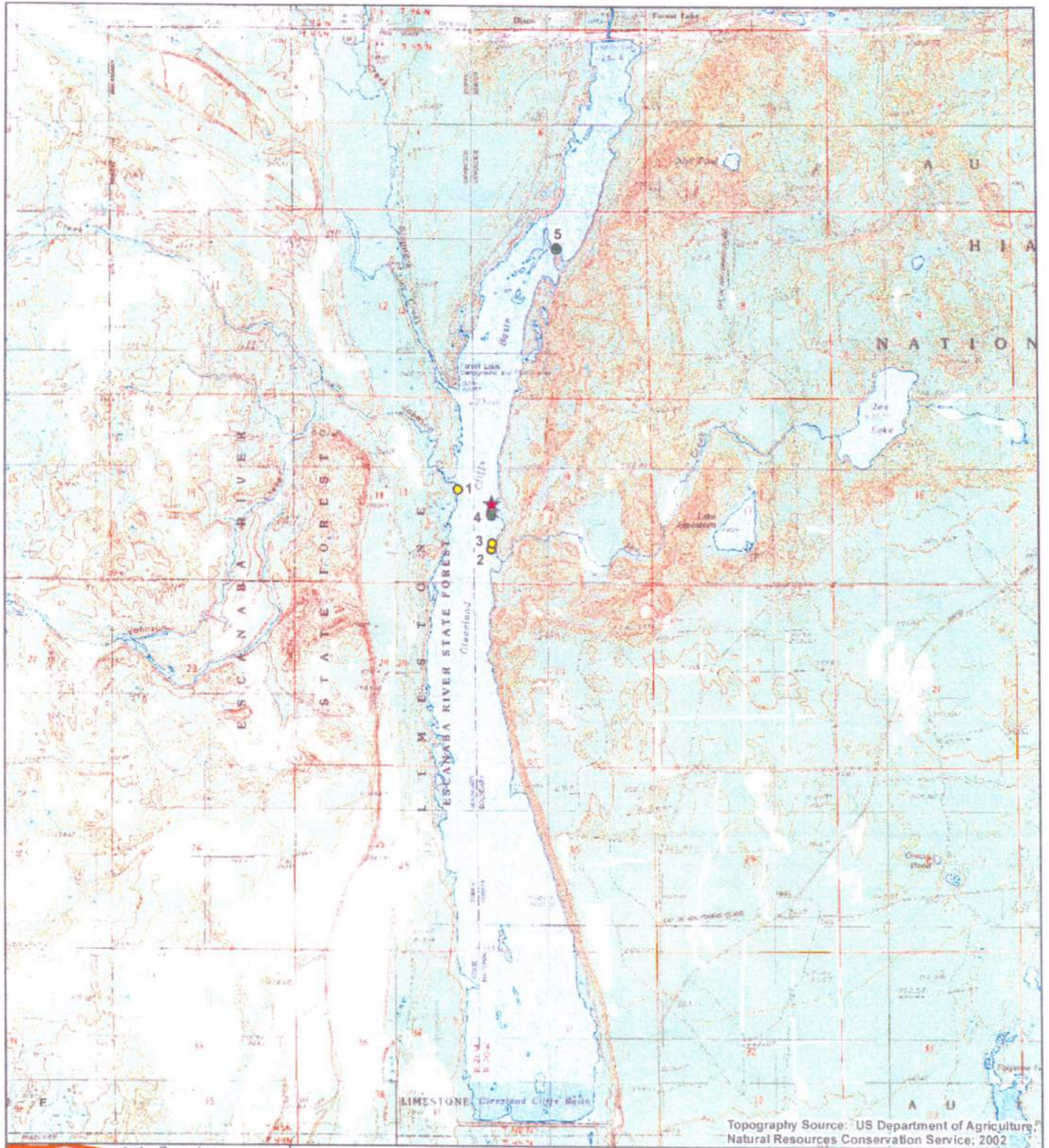
Number	Latitude	Longitude	Amount
1	46° 17.48966	86° 51.83082	6-50 Plants
2	46° 17.52590	86° 51.83519	6-50 Plants
3	46° 17.56759	86° 51.82625	1-5 Plants
4	46° 17.67278	86° 51.83346	1-5 Plants
5	46° 17.78732	86° 52.04730	6-50 Plants

AuTrain Purple Loosestrife 2008



Autrain Purple Loosestrife Survey 2008

<u>Size</u>	<u>Locations identified in 2007</u>	<u>Locations identified in 2008</u>	<u>Control Method</u>
1 to 5	3	2	cut/spray
6 to 50	3	3	spray
50+	0	0	
Total	6	5	



2009 Purple Loosestrife Survey AuTrain Hydroelectric Project



LEGEND

- ★ Beetle Release Site

Colony Size

- 0-5
- 6-50
- >50



Autrain Purple Loosestrife Survey 2009

Size	Locations identified in 2008	Locations identified in 2009	Control Method
1 to 5	2	2	beetle release
6 to 50	3	3	beetle release
50+	0	0	
Total	5	5	



Upper Peninsula Power Company
a subsidiary of WPA Resources Corporation
P.O. Box 19001
Green Bay, WI 54307-9001

September 26, 2007

Ms. Christie Deloria-Sheffield
U.S. Fish & Wildlife Service
1924 Industrial Parkway
Marquette, MI 49855

Dear Ms. Deloria-Sheffield:

Purple Loosestrife and Eurasian Watermilfoil Surveys for the Cataract Hydroelectric Project (FERC No. 10854) and the Autrain Hydroelectric Project (FERC No. 10856).

As per the Federal Energy Regulatory Commission (FERC) amended Purple loosestrife and Eurasian Water Milfoil Monitoring Plan, dated November 17, 1999, Upper Peninsula Power Company (UPPCO) is required to submit the results of the Eurasian water milfoil and purple loosestrife monitoring surveys for the Cataract Hydroelectric Project (FERC No. 10854) and Autrain Hydroelectric Project (FERC Project No. 10856).

A purple loosestrife survey was completed on August 8, 2007 for the Cataract Hydroelectric Project. The survey did not identify the presence of purple loosestrife within the project boundary.

A purple loosestrife survey was completed on August 6, 2007 for the Autrain Hydroelectric Project.

Purple loosestrife was identified in six locations within the Autrain Hydroelectric Project. Three colonies contained one to five plants and the remaining three colonies were between 6-50 plants. The small colonies were cut and sprayed using an approved aquatic herbicide. The colonies containing 6-50 plants were sprayed using an approved aquatic herbicide. A colony identified in 2006 as having greater than 50 plants was observed during the 2007 survey as containing 18 plants. This colony was sprayed with an approved aquatic herbicide during the 2006 and 2007 survey activities. The purple loosestrife survey results and map are attached as Appendix A.

UPPCO will cut and/or spray any purple loosestrife colonies identified at the Autrain and Cataract Hydroelectric Project and monitor for continued success in reducing colony number and size.

The Eurasian water milfoil survey is conducted every three years, with the next survey being conducted in 2009.

If you have any questions or comments, please contact me within 30 days of receiving the report.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a light blue horizontal line.

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

syx

Enc.

cc: Ms. Joan Johaneck, WPSC - D2



Upper Peninsula Power Company

an subsidiary of WPSC Resources Corporation

P.O. Box 19600

Greenville, WI 54307-0000

September 26, 2007

Ms. Jessica Mistak
Michigan Department of Natural Resources
488 Cherry Creek Road
Marquette, MI 49855-8999

Dear Ms. Mistak:

Purple Loosestrife and Eurasian Watermilfoil Surveys for the Cataract Hydroelectric Project (FERC No. 10854) and the Autrain Hydroelectric Project (FERC No. 10856)

As per the Federal Energy Regulatory Commission (FERC) amended Purple loosestrife and Eurasian Water Milfoil Monitoring Plan, dated November 17, 1999, Upper Peninsula Power Company (UPPCO) is required to submit the results of the Eurasian water milfoil and purple loosestrife monitoring surveys for the Cataract Hydroelectric Project (FERC No. 10854) and Autrain Hydroelectric Project (FERC Project No. 10856).

A purple loosestrife survey was completed on August 8, 2007 for the Cataract Hydroelectric Project. The survey did not identify the presence of purple loosestrife within the project boundary.

A purple loosestrife survey was completed on August 6, 2007 for the Autrain Hydroelectric Project.

Purple loosestrife was identified in six locations within the Autrain Hydroelectric Project. Three colonies contained one to five plants and the remaining three colonies were between 6-50 plants. The small colonies were cut and sprayed using an approved aquatic herbicide. The colonies containing 6-50 plants were *sprayed using an approved aquatic herbicide*. A colony identified in 2006 as having greater than 50 plants was observed during the 2007 survey as containing 18 plants. This colony was sprayed with an approved aquatic herbicide during the 2006 and 2007 survey activities. The purple loosestrife survey results and map are attached as Appendix A.

UPPCO will cut and/or spray any purple loosestrife colonies identified at the Autrain and Cataract Hydroelectric Project and monitor for continued success in reducing colony number and size.

The Eurasian water milfoil survey is conducted every three years, with the next survey being conducted in 2009.

If you have any questions or comments, please contact me within 30 days of receiving the report.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a light blue horizontal line.

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

syx

Enc.

cc: Ms. Joan Johaneck, WPSC - D2

The Appendix A is identical to the Appendix A being provided to FERC. The Appendix A has not been reproduced in this correspondence in an effort to reduce the size of the document.



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

September 30, 2008

Ms. Jessica Mistak
Michigan Department of Natural Resources
488 Cherry Creek Road
Marquette, MI 49855-8999

Dear Ms. Mistak:

Autrain (FERC No. 10856) and Cataract Hydroelectric Project (FERC No. 10854) Invasive Species Surveys

As per the Federal Energy Regulatory Commission (FERC) amended Purple loosestrife and Eurasian Water Milfoil Monitoring Plan, dated November 17, 1999, Upper Peninsula Power Company (UPPCO) is required to submit the results of the Eurasian water milfoil (EWM) and purple loosestrife monitoring surveys for the Cataract Hydroelectric Project (FERC No. 10854) and Autrain Hydroelectric Project (FERC Project No. 10856).

A purple loosestrife survey was completed on August 7, 2008 for the Cataract Hydroelectric Project. The survey did not identify the presence of purple loosestrife within the project boundary.

A purple loosestrife survey was completed on August 20, 2008 for the Autrain Hydroelectric Project.

Purple loosestrife was identified in five locations within the Autrain Hydroelectric Project. Two colonies contained one to five plants and the remaining three colonies were between 6-50 plants. The small colonies were cut and sprayed using an approved aquatic herbicide. The colonies containing 6-50 plants were sprayed using an approved aquatic herbicide. The purple loosestrife survey results and figure and a comparison of the 2007 to 2008 purple loosestrife survey are attached as Appendix A.

UPPCO is planning to submit supplement to the amended Purple loosestrife and Eurasian Water Milfoil Monitoring Plan, dated November 17, 1999, that will request, in part, to release *Galerucella* Beetles at the Autrain Hydroelectric Project. UPPCO will provide this information to the resource agencies for comment prior to submitting to the FERC. It is anticipated that the supplement will be submitted prior to January 1, 2009.

The EWM survey is conducted every three years, with the next survey being conducted in 2009.

If you have any questions or comments, please contact me within 30 days of receiving the report.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a light blue horizontal line.

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

syx

Enc.

cc: Ms. Joan Johaneck, WPSC - D2



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

September 30, 2008

Ms. Christie Deloria-Sheffield
U.S. Fish & Wildlife Service
1924 Industrial Parkway
Marquette, MI 49855

Dear Ms. Deloria-Sheffield:

Autrain (FERC No. 10856) and Cataract Hydroelectric Project (FERC No. 10854) Invasive Species Surveys

As per the Federal Energy Regulatory Commission (FERC) amended Purple loosestrife and Eurasian Water Milfoil Monitoring Plan, dated November 17, 1999, Upper Peninsula Power Company (UPPCO) is required to submit the results of the Eurasian water milfoil (EWM) and purple loosestrife monitoring surveys for the Cataract Hydroelectric Project (FERC No. 10854) and Autrain Hydroelectric Project (FERC Project No. 10856).

A purple loosestrife survey was completed on August 7, 2008 for the Cataract Hydroelectric Project. The survey did not identify the presence of purple loosestrife within the project boundary.

A purple loosestrife survey was completed on August 20, 2008 for the Autrain Hydroelectric Project.

Purple loosestrife was identified in five locations within the Autrain Hydroelectric Project. Two colonies contained one to five plants and the remaining three colonies were between 6-50 plants. The small colonies were cut and sprayed using an approved aquatic herbicide. The colonies containing 6-50 plants were sprayed using an approved aquatic herbicide. The purple loosestrife survey results and figure and a comparison of the 2007 to 2008 purple loosestrife survey are attached as Appendix A.

UPPCO is planning to submit supplement to the amended Purple loosestrife and Eurasian Water Milfoil Monitoring Plan, dated November 17, 1999, that will request, in part, to release *Galerucella* Beetles at the Autrain Hydroelectric Project. UPPCO will provide this information to the resource agencies for comment prior to submitting to the FERC. It is anticipated that the supplement will be submitted prior to January 1, 2009.

The EWM survey is conducted every three years, with the next survey being conducted in 2009.

If you have any questions or comments, please contact me within 30 days of receiving the report.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a light blue horizontal line.

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

syx

Enc.

cc: Ms. Joan Johaneck, WPSC - D2

The Appendix A is identical to the Appendix A being provided to FERC. The Appendix A has not been reproduced in this correspondence in an effort to reduce the size of the document.



Upper Peninsula Power Company

(a subsidiary of Integrys Energy Group)
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

September 17, 2009

Ms. Christie Deloria-Sheffield
U.S. Fish & Wildlife Service
Ecological Services
3090 Wright Street
Marquette, MI 49855

Dear Ms. Deloria - Sheffield:

Purple Loosestrife Survey for the Cataract Hydroelectric Project (FERC #. 10854) and the Au Train Hydroelectric Project (FERC # 10856).

As per the Federal Energy Regulatory Commission (FERC) Order Modifying and Approving Noxious Plant Monitoring Plan for the Au Train Hydroelectric Project (FERC # 10856) issued September 28, 1998, Upper Peninsula Power Company (UPPCO) is to provide the purple loosestrife survey results to the Michigan Department of Natural Resources (MDNR) and U.S. Fish & Wildlife Service (FWS) by September 30th of every year.

On June 25, 2009, UPPCO released *Galerucella sp.* beetle larva at Colony Number 4. Approximately 500 beetle larva were released at the Au Train Hydroelectric Project.

A purple loosestrife survey was completed on August 26, 2009. A total of five purple loosestrife colonies were identified within the project boundary. Only one colony (Colony Number 4) exhibited signs of beetle feeding. This was however anticipated, as it is the first year of beetle releases.

A figure including the purple loosestrife colony locations, colony size and beetle larva release sites is provided in Appendix A. Additionally, a colony size comparison for 2008 and 2009 and the general plant vigor of the colonies is included in Appendix A.

As per the FERC Order Modifying and Approving Noxious Plant Monitoring Plan for the Cataract Hydroelectric Project (FERC # 10854) issued September 30, 1998, UPPCO is to provide the purple loosestrife survey results to the MDNR and FWS by September 30th of every year.

A purple loosestrife survey was completed on August 19, 2009. No purple loosestrife was identified within the project boundary or 1,000 feet downstream of the powerhouse.

UPPCO will be following the FERC Orders Modifying and Approving Noxious Plant Monitoring Plan issued September 28, 1998 and September 30, 1998 for the Au Train and Cataract Hydroelectric Projects, respectively, in subsequent years.

Should you have any questions relative to this material, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a light blue horizontal line.

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

syx

cc: Ms. Joan Johaneck, WPS - D2



Upper Peninsula Power Company

(a subsidiary of Integrys Energy Group)
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

September 17, 2009

Ms. Jessica Mistak
Michigan Department of Natural Resources
488 Cherry Creek Road
Marquette, MI 49855-8999

Dear Ms. Mistak:

Purple Loosestrife Survey for the Cataract Hydroelectric Project (FERC #. 10854) and the Au Train Hydroelectric Project (FERC # 10856).

As per the Federal Energy Regulatory Commission (FERC) Order Modifying and Approving Noxious Plant Monitoring Plan for the Au Train Hydroelectric Project (FERC # 10856) issued September 28, 1998, Upper Peninsula Power Company (UPPCO) is to provide the purple loosestrife survey results to the Michigan Department of Natural Resources (MDNR) and U.S. Fish & Wildlife Service (FWS) by September 30th of every year.

On June 25, 2009, UPPCO released *Galerucella sp.* beetle larva at Colony Number 4. Approximately 500 beetle larva were released at the Au Train Hydroelectric Project.

A purple loosestrife survey was completed on August 26, 2009. A total of five purple loosestrife colonies were identified within the project boundary. Only one colony (Colony Number 4) exhibited signs of beetle feeding. This was however anticipated, as it is the first year of beetle releases.

A figure including the purple loosestrife colony locations, colony size and beetle larva release sites is provided in Appendix A. Additionally, a colony size comparison for 2008 and 2009 and the general plant vigor of the colonies is included in Appendix A.

As per the FERC Order Modifying and Approving Noxious Plant Monitoring Plan for the Cataract Hydroelectric Project (FERC # 10854) issued September 30, 1998, UPPCO is to provide the purple loosestrife survey results to the MDNR and FWS by September 30th of every year.

A purple loosestrife survey was completed on August 19, 2009. No purple loosestrife was identified within the project boundary or 1,000 feet downstream of the powerhouse.

UPPCO will be following the FERC Orders Modifying and Approving Noxious Plant Monitoring Plan issued September 28, 1998 and September 30, 1998 for the Au Train and Cataract Hydroelectric Projects, respectively, in subsequent years.

Should you have any questions relative to this material, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a light blue horizontal line.

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

syx

cc: Ms. Joan Johaneck, WPS - D2

The Appendix A is identical to the Appendix A being provided to FERC. The Appendix A has not been reproduced in this correspondence in an effort to reduce the size of the document.

Document Content(s)

2009FERCLetterTri-annual PLS Survey Cataract-Autrain.PDF.....1-4

2009FERCAppendixA.PDF.....5-12

2009FERCAppendixB.PDF.....13-21