



Wisconsin Public Service Corporation

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

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

December 1, 2009

FERC Project No's: 1999 & 2476

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

Dear Secretary Bose:

2009 Noxious Plants Monitoring Reports  
Wausau and Jersey Hydroelectric Projects (FERC Project #1999 and Project #2476)

Per the Order Amending Purple Loosestrife Monitoring Plan for the Wausau and Jersey Hydroelectric Projects (Project #1999 and #2476) issued October 23, 2008, Wisconsin Public Service Corporation (WPS) is to provide annual updates on the *Galerucella sp.* beetles (beetles) release sites and purple loosestrife populations for a period of six years, beginning in 2009 to the Wisconsin Department of Natural Resources (WDNR) and U.S. Fish & Wildlife Service (FWS) no later than October 31<sup>st</sup> of each year and to the Federal Energy Regulatory Commission (FERC) with agency comments no later than December 15 of each year.

WPS released beetles at the Jersey Hydroelectric Project on May 31 and July 10, 2009 and at the Wausau Hydroelectric Project on May 31, 2009.

Jersey Hydroelectric Project

In 2009, WPS released beetles that were hand collected from central Wisconsin. A total of 500 beetles were released on May 31, 2009. An additional 500 beetles were released on July 10, 2009.

A purple loosestrife survey was conducted at the Jersey Hydroelectric Project on July 31, 2009. The results of the survey indicated a total of 28 purple loosestrife colonies within the project boundary. Beetle feeding was reported at 20 colonies. Heavy feeding was noted at eight colonies. The purple loosestrife survey figure and datasheet provide the location of the purple loosestrife, location of beetle feeding and the beetle release location. The figure and datasheet are located in Appendix A.

Wausau Hydroelectric Project

In 2009 WPS released beetles that were collected from existing populations in central Wisconsin. Approximately 500 beetles were released at the Wausau Hydroelectric Project on May 31, 2009.

Ms. Kimberly D. Bose  
December 1, 2009  
Page 2 of 2

WPS completed a purple loosestrife survey on August 1, 2009. The results of the survey indicated a total of eight purple loosestrife colonies in the project boundary. Seven of the colonies identified were small, comprising of five or less plants. Only one of the colonies consisted of greater than five plants. Beetle feeding was observed at four colonies. The beetle populations observed were small.

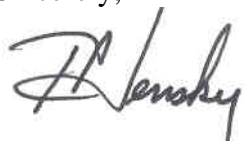
The purple loosestrife survey figure and datasheet provide the location of the purple loosestrife, location of beetle feeding and the beetle release location. The figure and datasheet are located in Appendix B.

The 2009 survey will survey as the baseline for the five-year study. Year two of the five-year study will be completed in 2010.

Documentation of submittal of these results to the resource agencies is located in Appendix C.

If you have any questions, please do not hesitate to call Darrin Johnson at (715) 345-7509.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Jensky".

Terry P Jensky  
Vice President - Energy Supply Operations  
Telephone: (920) 433-2900

Enc.

cc: Ms. Carlisa Linton, FERC-DC  
Mr. Gil Snyder, WPSC - D2  
Mr. Bill Bloczynski, WPS - MERH

Mr. Howard Giesler, WPSC - PUL  
Mr. Bruce Crocker, WPSC - D2  
Ms. Joan Johaneck, WPSC - D2

**APPENDIX A**

**2009 JERSEY HYDROELECTRIC PROJECT PURPLE LOOSESTRIFE  
SURVEY RESULTS**

**APPENDIX B**

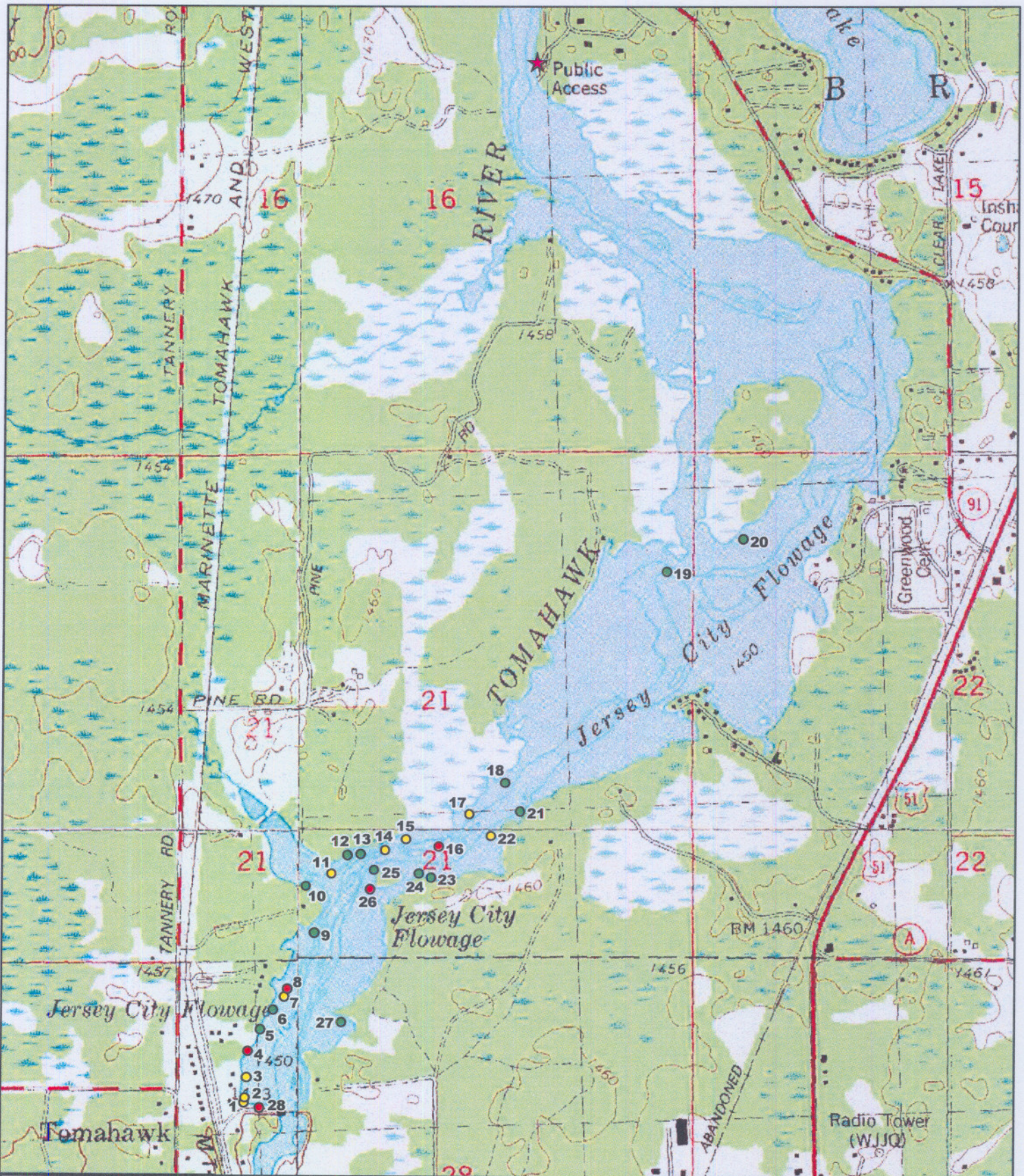
**2009 WAUSAU HYDROELECTRIC PROJECT PURPLE LOOSESTRIFE  
SURVEY RESULTS**

## **APPENDIX C**

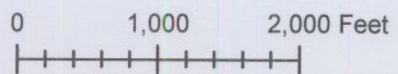
### **DOCUMENTATION OF RESOURCE AGENCY CONSULTATION**

APPENDIX A

2009 JERSEY HYDROELECTRIC PROJECT PURPLE  
LOOSESTRIFE SURVEY RESULTS



## 2009 Jersey Flowage Purple Loosestrife Survey



- ★ Beetle Release Site
- Purple Loosestrife**
- 0-5 Plants
- 6-50 Plants
- >50 Plants

## Purple Loosestrife Survey Form

Hydroelectric Project

JERSEY

Inspection Date

31-Jul-09

Colony Number	Colony Size S 0-5 M 6-50 L >50	General Plant Vigor			Total Plant Vigor 10-12=good 7-9=fair 4-6=poor 0-3=very poor	Notes	GPS Point
		Plant Height 4=>4ft 3=2-4ft 2=1-2 ft 1= <1 ft	Plant Flowering 4=100% of plants 3=51-99% of plants 2=26-50% of plants 1= <25% of plants	Beetle Feeding 4=0-25% feeding 3=26-50% feeding 2=51-75% feeding 1=76-100% feeding			
1	M	3	1	1	5		749
2	M	3	1	1	5		750
3	M	3	1	1	5		751
4	L	4	1	1	6		752
5	S	4	4	3	11		753
6	S	3	4	3	10		754
7	M	2	1	2	5		755
8	L	2	1	1	4		756
9	S	4	4	3	11		757
10	S	4	4	4 No feeding	12		758
11	M	3	1	1	5		759



## Purple Loosestrife Survey Form

Hydroelectric Project JERSEY

Inspection Date 31-Jul-09

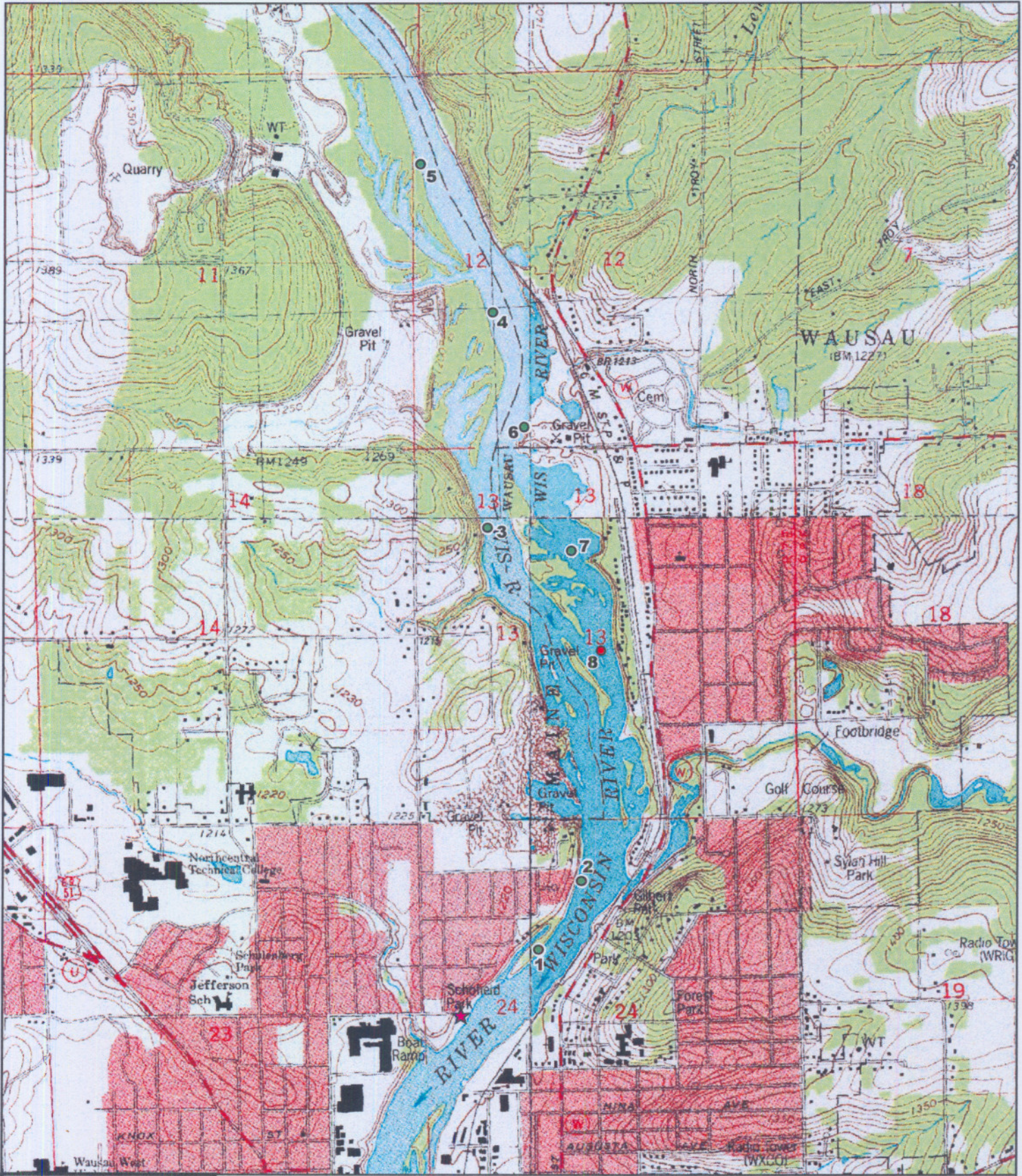
### General Plant Vigor

Colony Number	Colony Size S 0-5 M 6-50 L >50	Plant Height 4=>4ft 3=2-4ft 2=1-2 ft 1= <1 ft	General Plant Vigor			Total Plant Vigor 10-12=good 7-9=fair 4-6=poor 0-3=very poor	Notes	GPS Point
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12	S	4	2	2	8		760	
13	S	4	3	2	9		761	
14	M	4	4	4 No feeding	12		762	
15	M	4	4	4 No feeding	12		763	
16	L	4	3	1	8		764	
17	M	4	4	3	11		765	
18	S	4	4	3	11		766	
19	S	4	4	4 No feeding	12		767	
20	S	3	4	4 No feeding	11		768	
21	S	3	4	3	10		769	
22	M	4	4	4 No feeding	12		770	



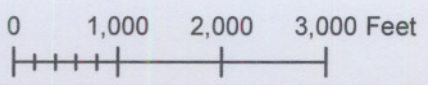
## APPENDIX B

# 2009 WAUSAU HYDROELECTRIC PROJECT PURPLE LOOSESTRIFE SURVEY RESULTS



# 2009 Wausau Purple Loosestrife Survey

- ★ Beetle Release Site
- 0-5 Plants
- 6-50 Plants
- >50 Plants





**APPENDIX C**

**DOCUMENTATION OF RESOURCE AGENCY CONSULTATION**



Wisconsin Public Service Corporation  
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September 25, 2009

FERC Project No. 1999 & 2476

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

Dear Mr. Watson:

2009 Noxious Plants Monitoring Reports Wausau and Jersey Hydroelectric Project (FERC Project # 1999 and Project #2476)

On December 7, 2007, Wisconsin Public Service Corporation (WPS) submitted amendments to the Federal Energy Regulatory Commission (FERC) Approved Purple Loosestrife Monitoring Plan for the Wausau and Jersey Hydroelectric Projects (FERC project # 1999 and #2476) dated July 14, 1997.

Per the Order Amending Purple Loosestrife Monitoring Plan issued October 23, 2008, WPS is to provide annual updates on the *Galerucella sp.* beetles (beetles) release sites and purple loosestrife populations for a period of six years, beginning in 2009 to the Wisconsin Department of Natural Resources (WDNR), U.S. Fish & Wildlife Service (FWS) and FERC no later than October 31<sup>st</sup> of each year for the Wausau and Jersey Hydroelectric Projects.

WPS released beetles at the Jersey Hydroelectric Project on May 31 and July 10, 2009 and at the Wausau Hydroelectric Project on May 31, 2009.

Jersey Hydroelectric Project

In 2009, WPS released beetles that were hand collected from central Wisconsin. A total of 500 beetles were released on May 31, 2009. An additional 500 beetles were released on July 10, 2009.

A purple loosestrife survey was conducted at the Jersey Hydroelectric Project on July 31, 2009. The results of the survey indicated a total of 28 purple loosestrife colonies within the project boundary. Beetle feeding was reported at 20 colonies. Heavy feeding was noted at eight colonies. The purple loosestrife survey figure and datasheet provide the location of the purple loosestrife, location of beetle feeding and the beetle release location. The figure and datasheet are located in Appendix A.

Wausau Hydroelectric Project

In 2009 WPS released beetles that were collected from existing populations in central Wisconsin. Approximately 500 beetles were released at the Wausau Hydroelectric Project on May 31, 2009.

WPS completed a purple loosestrife survey on August 1, 2009. The results of the survey indicated a total of eight purple loosestrife colonies in the project boundary. Seven of the colonies identified were small, comprising of five or less plants. Only one of the colonies consisted of greater than five plants. Beetle feeding was observed at four colonies. The beetle populations observed were small.

The purple loosestrife survey figure and datasheet provide the location of the purple loosestrife, location of beetle feeding and the beetle release location. The figure and datasheet are located in Appendix B.

The 2009 survey will survey as the baseline for the five year study. Year two the five year study will be completed in 2010.

If you have any questions, please do not hesitate to call me at (715) 305-1466.

Sincerely,

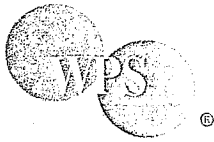


Darrin Johnson  
Environmental Consultant

Enc.

cc: Ms. Joan Johaneck, WPS  
Mr. Bill Bloczynski, WPS – MERH  
Mr. Bruce Crocker, WPS





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September 25, 2009

FERC Project No. 1999 & 2476

Mr. Nicholas Utrup  
U.S. Fish & Wildlife Service  
Department of the Interior  
2661 Scott Tower Drive  
New Franken, WI 54229-9565

Dear Mr. Utrup:

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(FERC Project # 1999 and Project #2476)

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loosestrife, extent of the beetle feeding and the beetle release location. The figure and datasheet are located in Appendix A.

Wausau Hydroelectric Project

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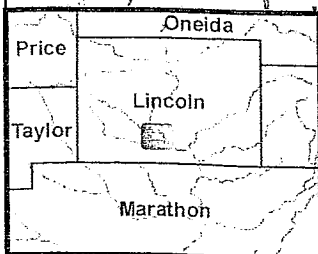
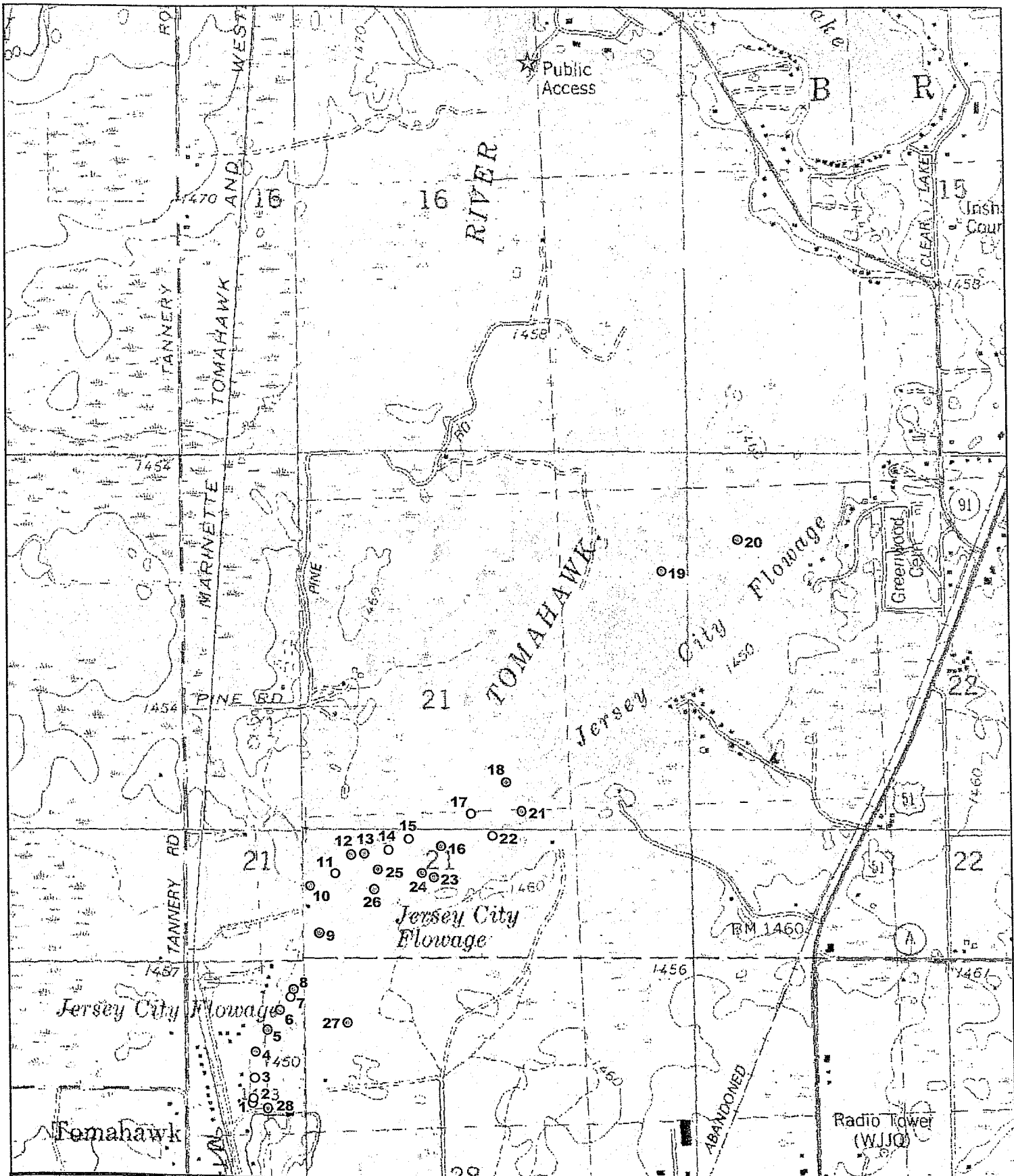
  
Darrin Johnson  
Environmental Consultant

Enc.

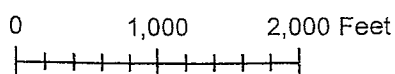
cc: Ms. Joan Johaneck, WPS  
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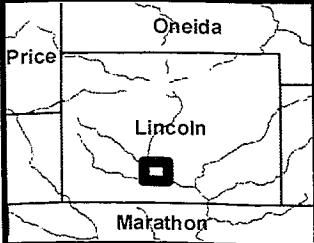
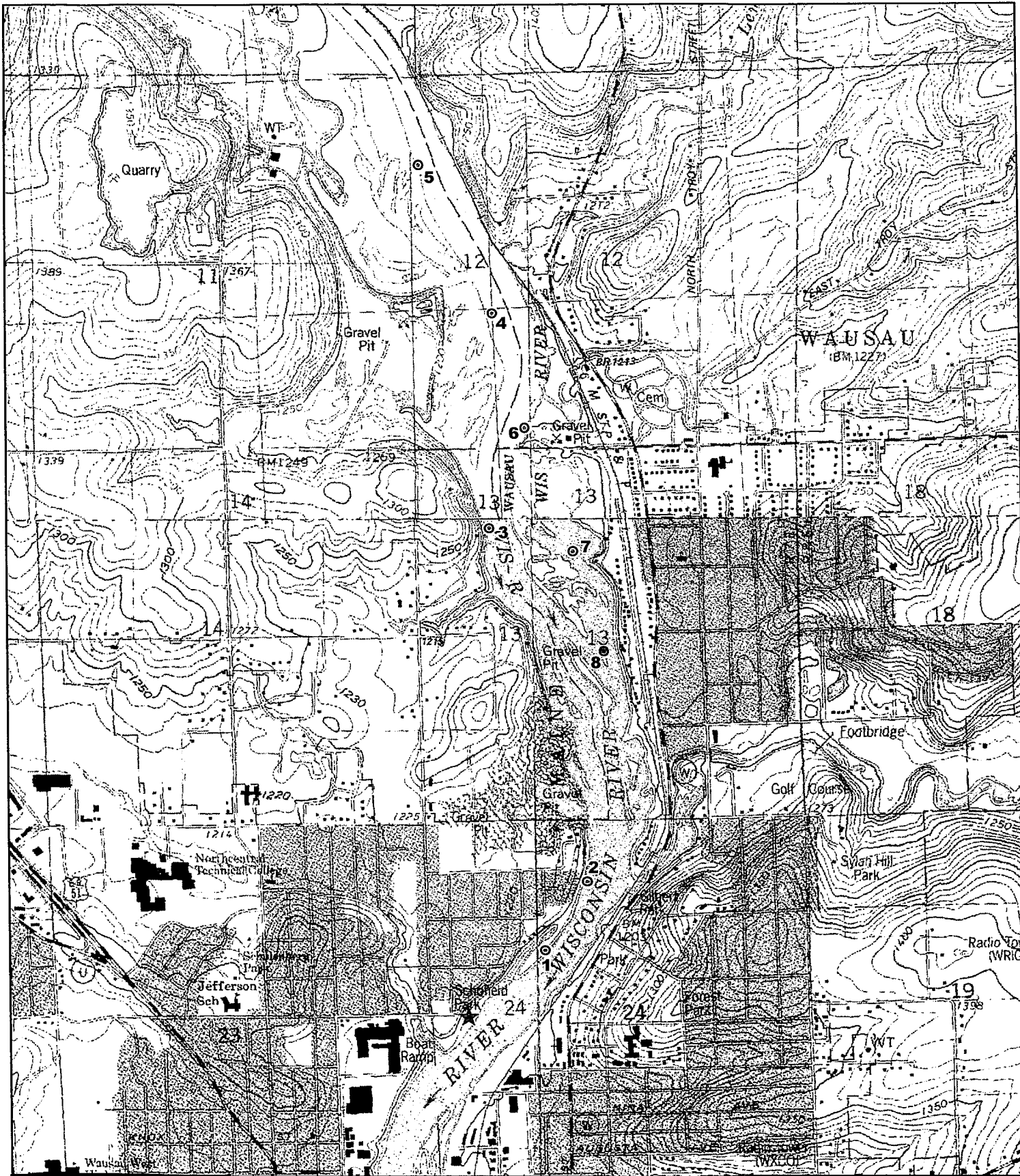
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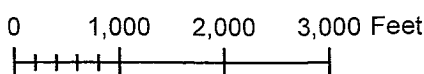
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LOOSESTRIFE SURVEY RESULTS**





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