ORIGINAL

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

October 29, 2008

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

Dear Secretary Bose:

095 175 111 103 084

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

064

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, Eurasian water milfoil (EWM) and zebra mussels.

All of the above mentioned projects were surveyed for purple loosestrife from August 11, 2008 to August 18, 2008. As in previous surveys, the presence of purple loosestrife was indicated at the Peshtigo Project. Purple loosestrife was not identified at any of the other projects. A figure and sheet indicating the location and colony size of purple loosestrife at the Peshtigo Project is located in Appendix A. A size comparison of the 2007 to 2008 survey results for purple loosestrife at the Peshtigo Project is also provided in Page 2, Appendix A. The comparison provides any control methods that were conducted.

WPSC is planning to submit supplement to the Comprehensive Land and Wildlife Management Plan issued March 29, 2006 that will request in part, to release *Galerucella* Beetles at the Peshtigo Project. WPSC will provide this information to the resource agencies for comment prior to submitting to the Federal Energy Regulatory Commission (FERC). It is anticipated that the supplement will be submitted prior to January 1, 2009.

EWM surveys where conducted in conjunction with the purple loosestrife surveys from August 11, 2008 to August 18, 2008. EWM was present at all six hydroelectric projects. EWM was identified as present or in small populations at the Peshtigo, Potato Rapids, Sandstone Rapids and Johnson Falls Projects. Large populations of EWM were identified at the High Falls and Caldron Falls Projects. Appendix B supplies figures of the transect sample locations and informational sheets providing Presence/Absence and transect coordinates for all six hydroelectric projects (Figures 1 and Pages 1). Appendix B also provides a figure of the acres in which EWM encompass and a sheet on the abundance of the EWM in those acres for the Johnson Falls (Figure 1 and Page 2) Caldron Falls and High Falls Projects (Figures 2 and Pages 2).

It is important to note that the acres included on the figures represent the boundary extent of where the EWM was identified. The acres are comprised of a variety of aquatic vegetation, in most cases EWM populations were identified at presence less than half when compared to the surrounding vegetation. Please refer to the EWM Bed Perimeters, Acres and Abundance Sheet (Appendix B, Pages 2).

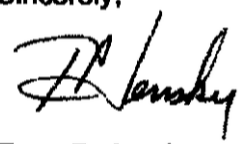
WPSC is currently working with the Wisconsin Department of Natural Resources - Governor Thompson State Park, to control EWM within a navigational channel that connects a boat landing to the main flowage at the Caldron Falls Project. WPSC anticipates conducting the control activities in the spring/summer of 2009.

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 2008 inspections. A summary of the results has been included in Appendix C.

Documentation of submittal of the survey results to the resource agencies is attached as Appendix B.

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

Sincerely,



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

syx

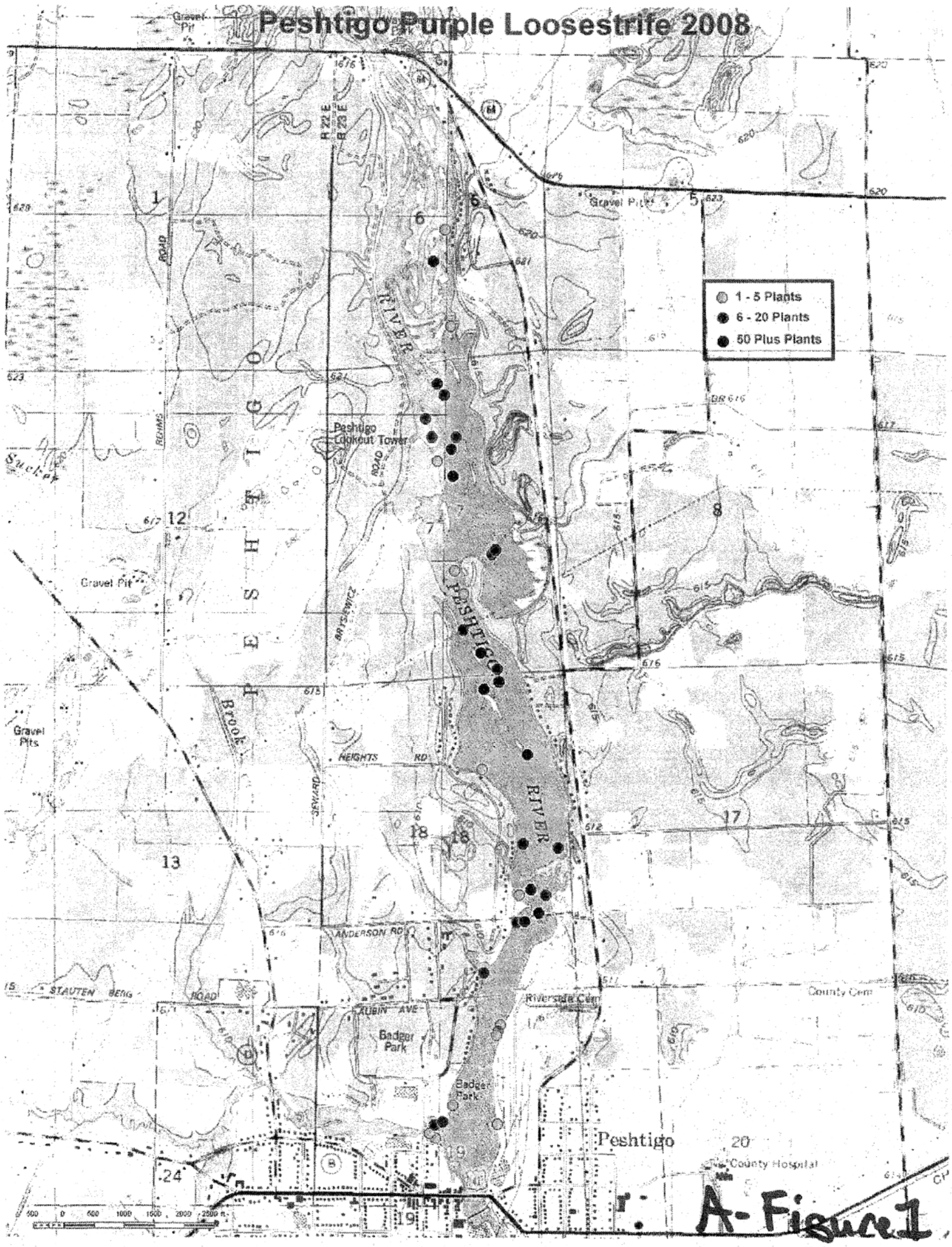
Enc.

cc: Ms. Carlisa Linton, FERC - D.C.
Mr. Bruce Crocker, WPSC - D2
Mr. Mark DeCleene, WPSC - CRI
Mr. Gil Snyder, WPSC - D2
Ms. Joan Johanek, WPSC - D2
Mr. Howard Giesler, WPSC - PUL

APPENDIX A

2008 PURPLE LOOSESTRIFE SURVEY

Peshtigo Purple Loosestrife 2008



A-Figure 1

Purple Loosestrife Survey - 2008

Peshtigo

Number	Latitude		Longitude		Amount
1	45°	3.42363	87°	45.02063	1-5 Plants
2	45°	3.43589	87°	45.04529	1-5 Plants
3	45°	3.45364	87°	45.04128	1-5 Plants
4	45°	3.46011	87°	45.02466	6-50 Plants
5	45°	3.46905	87°	44.99305	6-50 Plants
6	45°	3.51236	87°	44.95405	1-5 Plants
7	45°	3.87089	87°	44.83712	6-50 Plants
8	45°	4.01205	87°	44.70926	6-50 Plants
9	45°	4.01539	87°	44.67963	50+ Plants
10	45°	4.03956	87°	44.62536	50+ Plants
11	45°	4.08770	87°	44.70243	1-5 Plants
12	45°	4.22824	87°	44.68889	6-50 Plants
13	45°	4.43186	87°	44.84940	1-5 Plants
14	45°	4.47430	87°	44.67391	50+ Plants
15	45°	4.51273	87°	44.70092	50+ Plants
16	45°	4.67178	87°	44.78681	6-50 Plants
17	45°	4.64946	87°	44.84499	50+ Plants
18	45°	4.70560	87°	44.79252	6-50 Plants
19	45°	4.74816	87°	44.85848	50+ Plants
20	45°	4.81054	87°	44.92962	6-50 Plants
21	45°	5.01593	87°	44.82078	6-50 Plants
22	45°	5.01763	87°	44.81761	6-50 Plants
23	45°	5.02840	87°	44.80322	6-50 Plants
24	45°	5.26912	87°	45.03529	1-5 Plants
25	45°	5.33215	87°	45.05835	6-50 Plants
26	45°	5.38176	87°	45.08117	6-50 Plants
27	45°	5.63667	87°	44.98773	1-5 Plants
28	45°	5.89630	87°	45.01235	1-5 Plants
29	45°	5.80931	87°	45.05804	50+ Plants
30	45°	5.44737	87°	45.00907	6-50 Plants
31	45°	5.47843	87°	45.03915	6-50 Plants
32	45°	5.33295	87°	44.96361	6-50 Plants
33	45°	5.30117	87°	44.97974	50+ Plants
34	45°	5.22849	87°	44.97269	50+ Plants
35	45°	4.96982	87°	44.96309	1-5 Plants
36	45°	4.90849	87°	44.92733	1-5 Plants
37	45°	4.21962	87°	44.55019	6-50 Plants
38	45°	4.10355	87°	44.65669	50+ Plants
39	45°	4.08933	87°	44.59999	6-50 Plants
40	45°	3.73239	87°	44.77072	1-5 Plants
41	45°	3.71486	87°	44.77891	6-50 Plants
42	45°	3.70358	87°	44.78438	1-5 Plants
43	45°	3.46352	87°	44.78039	1-5 Plants

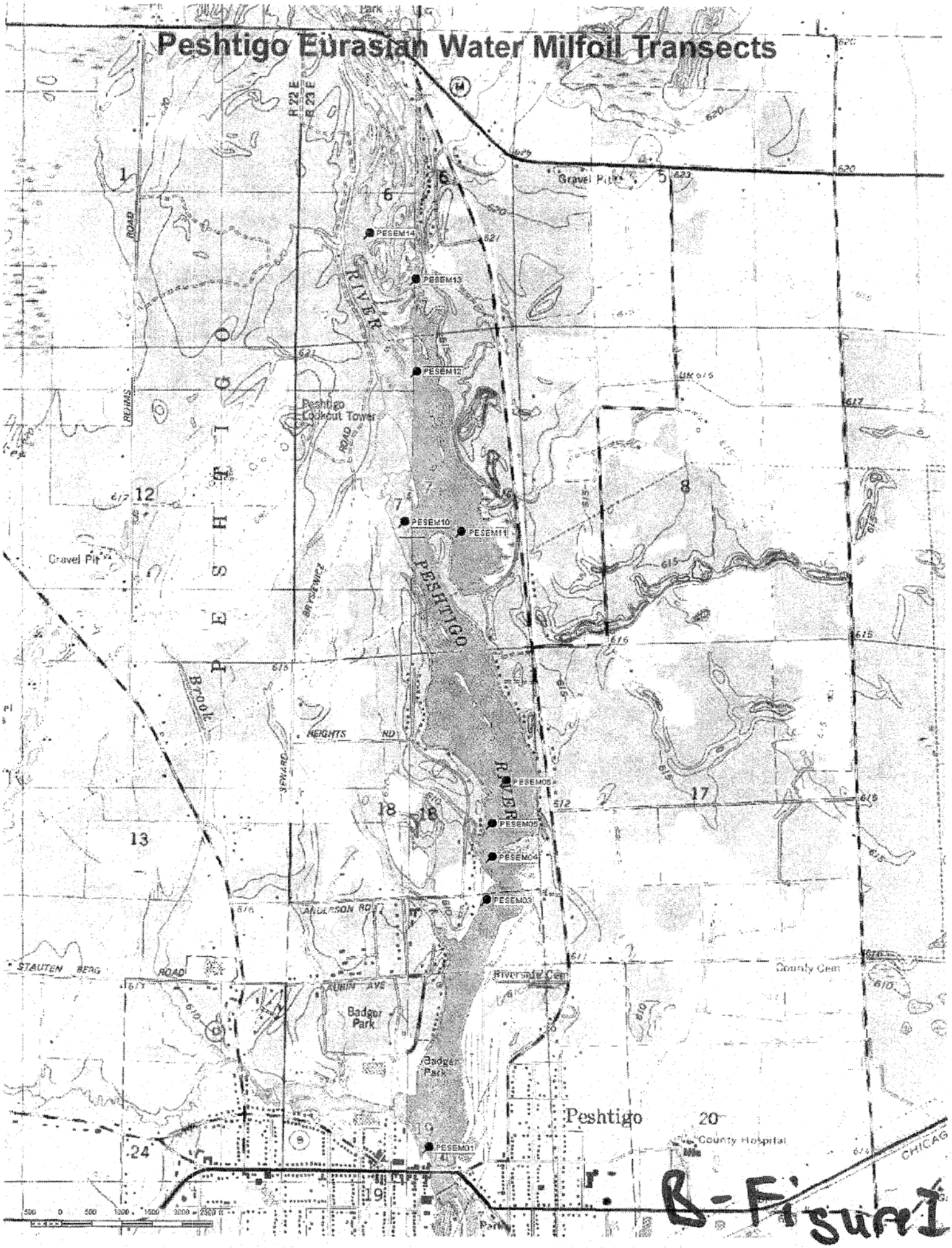
A- Page 1

Peshtigo Purple Loosestrife Survey 2008

Size	Locations identified in 2007	Locations identified in 2008	Control Method
1 to 5	32	14	cut/spray
6 to 50	8	19	
50+	14	10	
Total	54	43	

APPENDIX B

2008 EURASIAN WATER MILFOIL SURVEY


Peshtigo Eurasian Water Milfoil Transects
PESEM14
PESEM13
PESEM12
PESEM10
PESEM11
PESEM05
PESEM02
PESEM04
PESEM03
PESEM01
PESHTIGO RIVER
Peshtigo Lookout Tower
Gravel Pit
Gravel Pit
Badger Park
Badger Park
Peshtigo
Riverside Cem
County Cem
County Hospital
STAUTEN BERG ROAD
ANDERSON RD
HEIGHTS RD
REIMS ROAD
BRYSEWICZ
SEWARD
Brook
CHICAG
B-Figure1

Eurasian Milfoil Surveys - August 18, 2008

Peshtigo

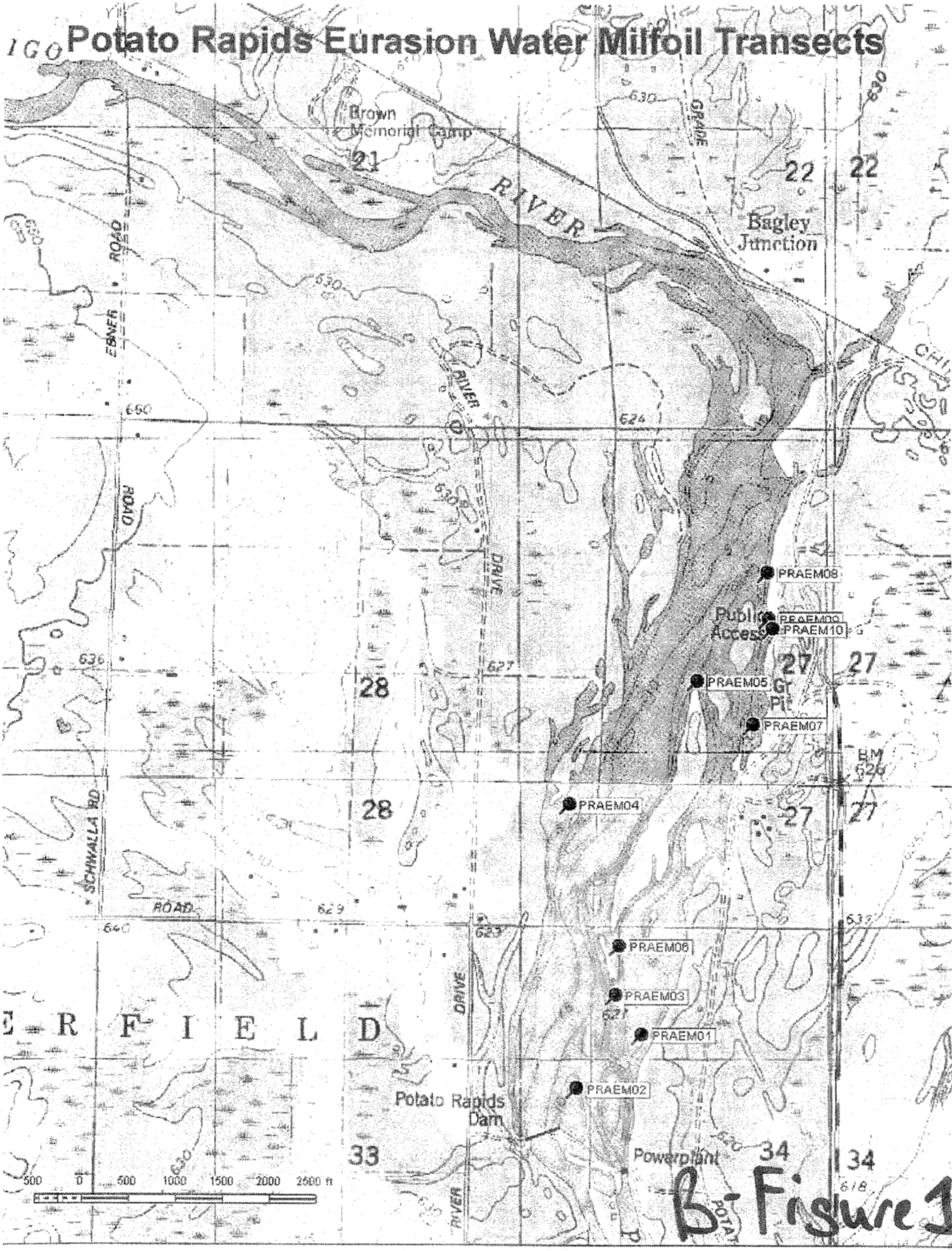
Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin	Perimeter
1A	1	NA	NA	NA	45 03.332	
1B	0	0	NA	NA	87 44.925	
1C	0	0	NA	NA		
2A						
2B						
2C						
3A	0	NA	NA	NA	45 04.010	
3B	0	NA	NA	NA	87 44.708	
3C	0	0	NA	NA		
4A	0	NA	NA	NA	45 04.129	
4B	0	0	NA	NA	87 44.687	
4C	0	0	0	NA		
5A	1	1	NA	NA	45 04.223	
5B	1	1	NA	NA	87 44.687	
5C	1	1	NA	NA		
6A	0	0	NA	NA	45 04.338	
6B	0	1	NA	NA	87 44.634	
6C	0	1	NA	NA		
7A						
7B						
7C						
8A						
8B						
8C						
9A						
9B						
9C						
10A	0	0	NA	NA	45 05.038	
10B	0	0	NA	NA	87 45.039	
10C	0	0	NA	NA		
11A	0	0	NA	NA	45 05.013	
11B	0	0	NA	NA	87 44.817	
11C	0	0	NA	NA		
12A	0	0	NA	NA	45 05.450	
12B	0	0	NA	NA	87 44.998	
12C	0	0	NA	NA		
13A	0	0	NA	NA	45 05.699	
13B	0	0	NA	NA	87 45.002	
13C	0	0	NA	NA		
14A	0	0	NA	NA	45 05.822	
14B	0	0	NA	NA	87 45.184	
14C	0	0	NA	NA		
15A						
15B						
15C						

N/A: Not Applicable

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

Note: All transects are 40 feet in length and proceed away from shore in a direction perpendicular to the shoreline

Potato Rapids Eurasion Water Milfoil Transects



B-Figure 1

Eurasian Milfoil Surveys - August 18, 2008

Potato Rapids

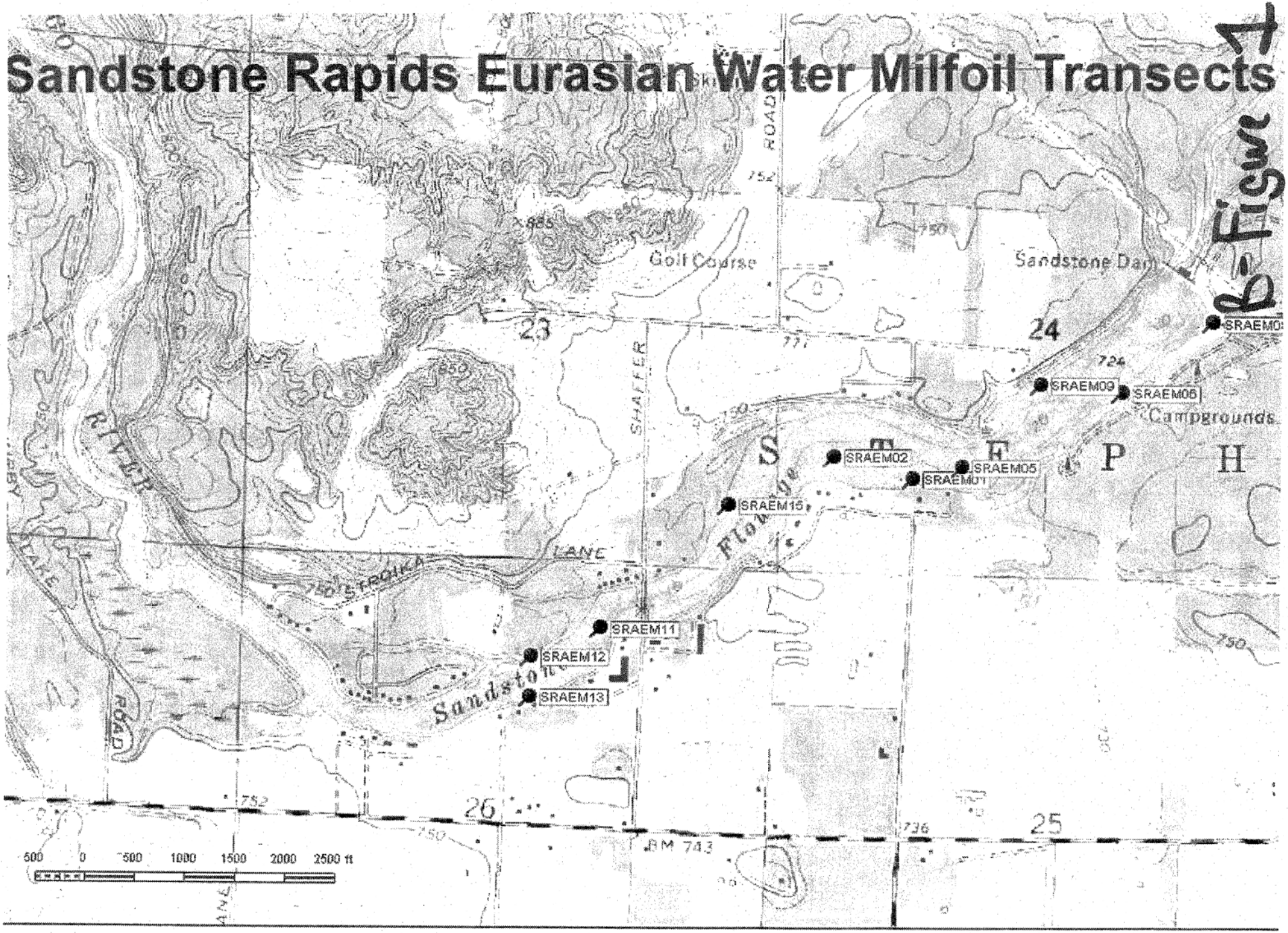
Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin	Perimeter
1A	0	0	NA	NA	45 07.054	
1B	0	0	NA	NA	87 45.478	
1C	0	0	NA	NA		
2A	0	0	0	NA	45 06.959	
2B	0	0	0	NA	87 45.639	
2C	0	0	0	NA		
3A	0	0	NA	NA	45 07.121	
3B	0	0	NA	NA	87 45.546	
3C	0	0	0	NA		
4A	0	0	NA	NA	45 07.458	
4B	0	0	NA	NA	87 45.663	
4C	0	0	NA	NA		
5A	0	0	0	NA	45 07.676	
5B	0	0	0	NA	87 45.348	
5C	0	0	0	NA		
6A	1	0	NA	NA	45 07.209	
6B	1	0	NA	NA	87 45.535	
6C	0	0	NA	NA		
7A	0	0	NA	NA	45 07.602	
7B	0	0	NA	NA	87 45.209	
7C	0	0	NA	NA		
8A	0	0	NA	NA	45 07.865	
8B	0	0	NA	NA	87 45.176	
8C	0	0	0	NA		
9A	0	0	NA	NA	45 07.786	
9B	0	0	NA	NA	87 45.171	
9C	0	0	NA	NA		
10A	1	1	NA	NA	45 07.769	
10B	0	0	0	NA	87 45.161	
10C	0	0	0	NA		
11A						
11B						
11C						
12A						
12B						
12C						
13A						
13B						
13C						
14A						
14B						
14C						
15A						
15B						
15C						

N/A: Not Applicable

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

Note: All transects are 40 feet in length and proceed away from shore in a direction perpendicular to the shoreline

Sandstone Rapids Eurasian Water Milfoil Transects



Eurasian Milfoil Surveys - August 13, 2008

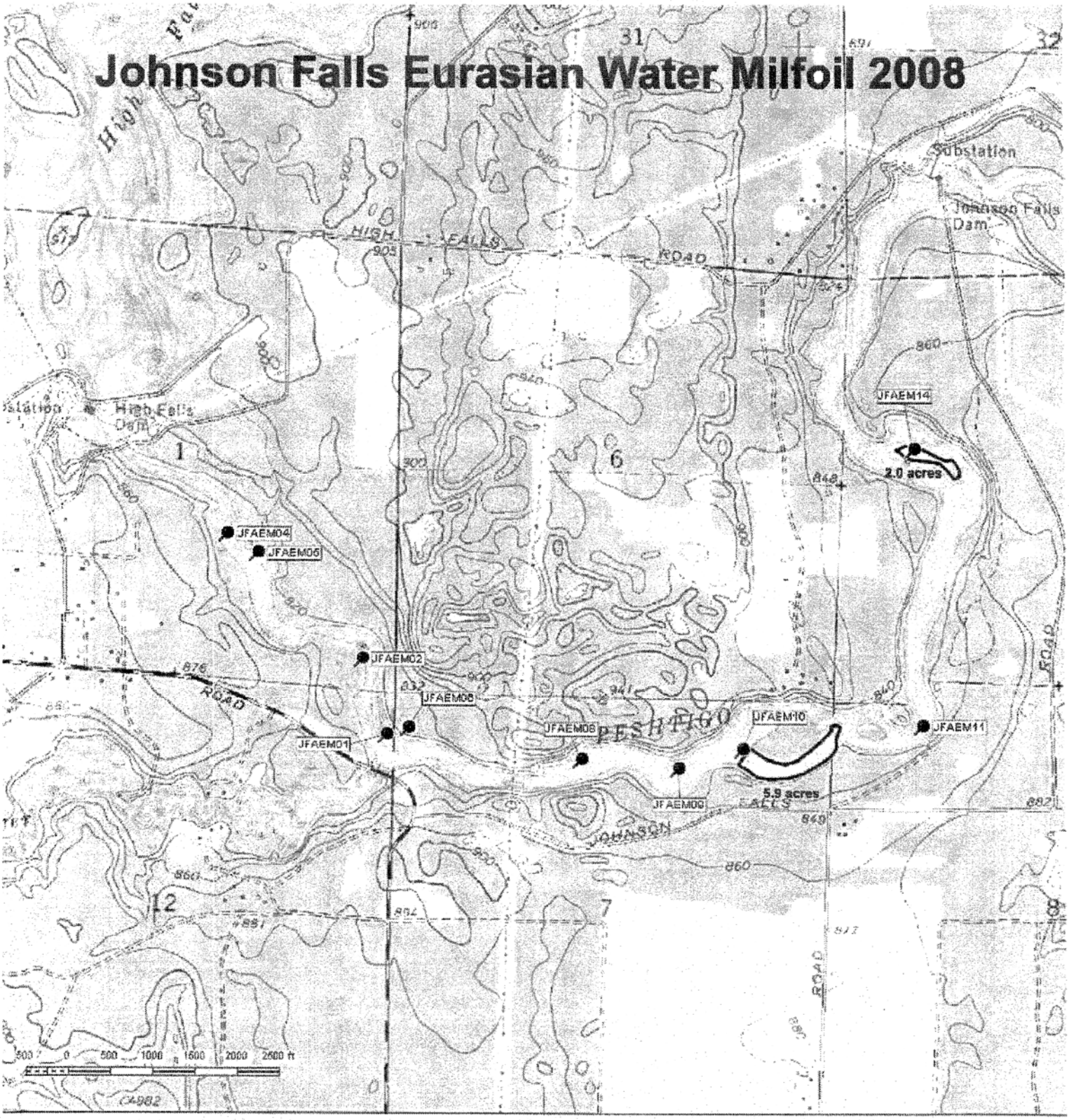
Sandstone Rapids

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

N/A: Not Applicable

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

Note: All transects are 40 feet in length and proceed away from shore in a direction perpendicular to the shoreline


Johnson Falls Eurasian Water Milfoil 2008
JFAEM14
2.0 acres
JFAEM04
JFAEM05
JFAEM02
JFAEM08
JFAEM01
JFAEM10
JFAEM11
JFAEM09
5.9 acres
High Falls Dam
Johnson Falls Dam
Substation
HIGH FALLS ROAD
JOHNSON FALLS ROAD
PESHTIGO

B- Figure 1

Eurasian Milfoil Surveys - August 13, 2008

Johnson Falls

Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin	Perimeter
1A	0	NA	NA	NA	45 16.149	
1B	0	NA	NA	NA	88 11.134	
1C	0	NA	NA	NA		
2A	0	NA	NA	NA	45 16.295	
2B	0	NA	NA	NA	88 11.205	
2C	0	0	NA	NA		
3A						
3B						
3C						
4A	0	NA	NA	NA	45 16.535	
4B	0	0	NA	NA	88 11.584	
4C	1	0	NA	NA		
5A	0	NA	NA	NA	45 16.498	
5B	0	NA	NA	NA	88 11.498	
5C	1	NA	NA	NA		
6A	0	NA	NA	NA	45 16.161	
6B	0	NA	NA	NA	88 11.074	
6C	0	NA	NA	NA		
7A						
7B						
7C						
8A	0	0	0	NA	45 16.107	
8B	0	0	0	NA	88 10.588	
8C	0	0	0	NA		
9A	0	0	0	NA	45 16.091	
9B	0	0	0	NA	88 10.317	
9C	0	0	0	NA		
10A	1	0	NA	NA	45 16.131	
10B	1	0	NA	NA	88 10.141	
10C	2	0	NA	NA		
11A	0	0	NA	NA	45 16.181	
11B	0	0	NA	NA	88 09.644	
11C	0	0	0	NA		
12A						
12B						
12C						
13A						
13B						
13C						
14A	2	2	NA	NA	45 16.717	
14B	2	2	NA	NA	88 09.681	
14C	0	0	NA	NA		
15A						
15B						
15C						

N/A: Not Applicable

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

Note: All transects are 40 feet in length and proceed away from shore in a direction perpendicular to the shoreline

Johnson Falls Flowage

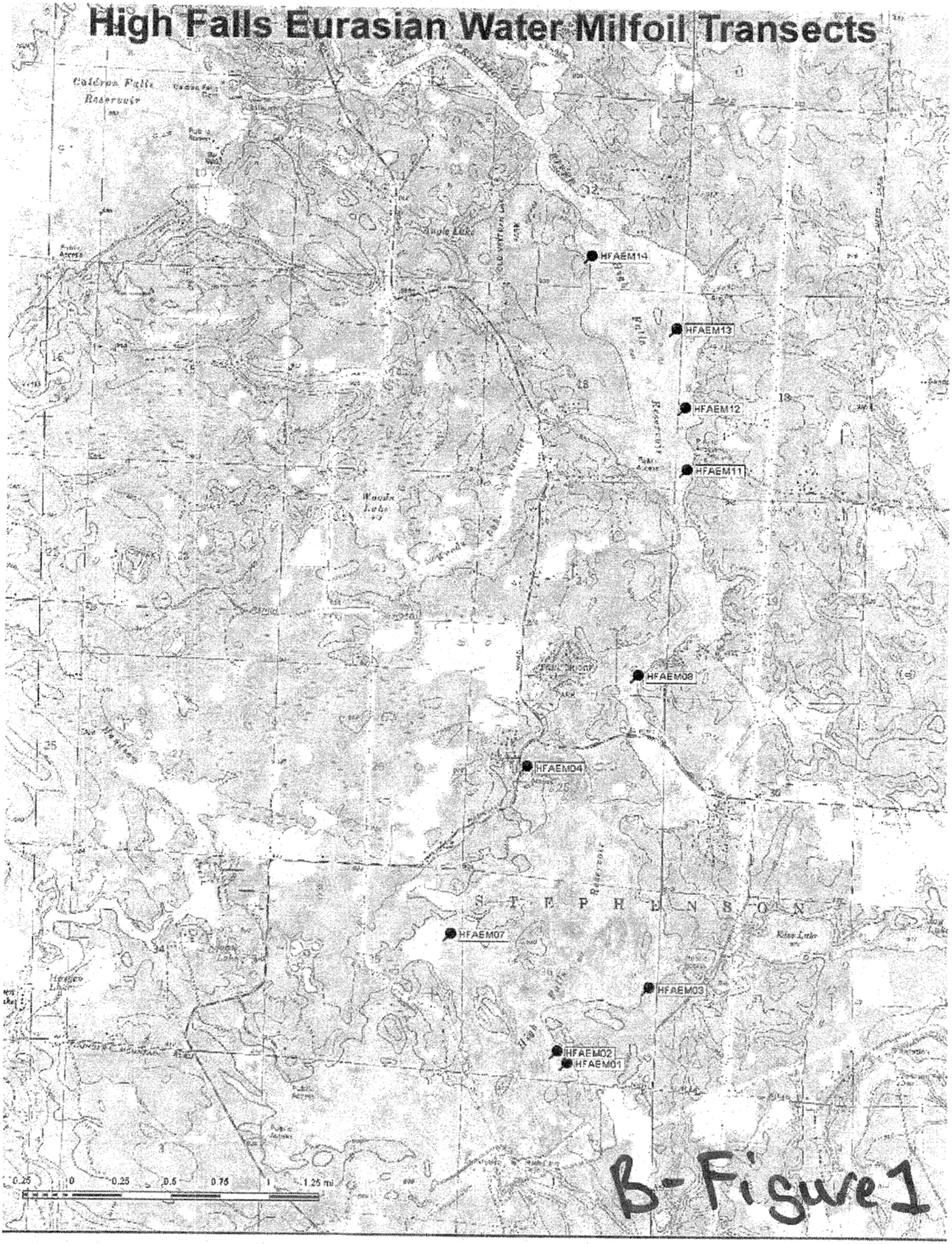
Eurasian Water Milfoil Bed Perimeters, Acres and Abundance

August 13, 2008

Bed Number [a]	Acres	Abundance [b]
JFAEM 10	5.9	2
JFAEM 14	2.0	2
Total =	7.9	

[a] Refer to Johnson Falls Eurasian Water Milfoil 2008 map with corresponding bed numbers (perimeters)

[b] 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 Eurasian Water Milfoil Transects
HFAEM14
HFAEM13
HFAEM12
HFAEM11
HFAEM08
HFAEM04
HFAEM07
HFAEM03
HFAEM02
HFAEM01
S T E P H E N S O N
0.25 0 0.25 0.5 0.75 1 1.25 mi
B-Figure 1

Eurasian Milfoil Surveys - August 11, 2008

High Falls

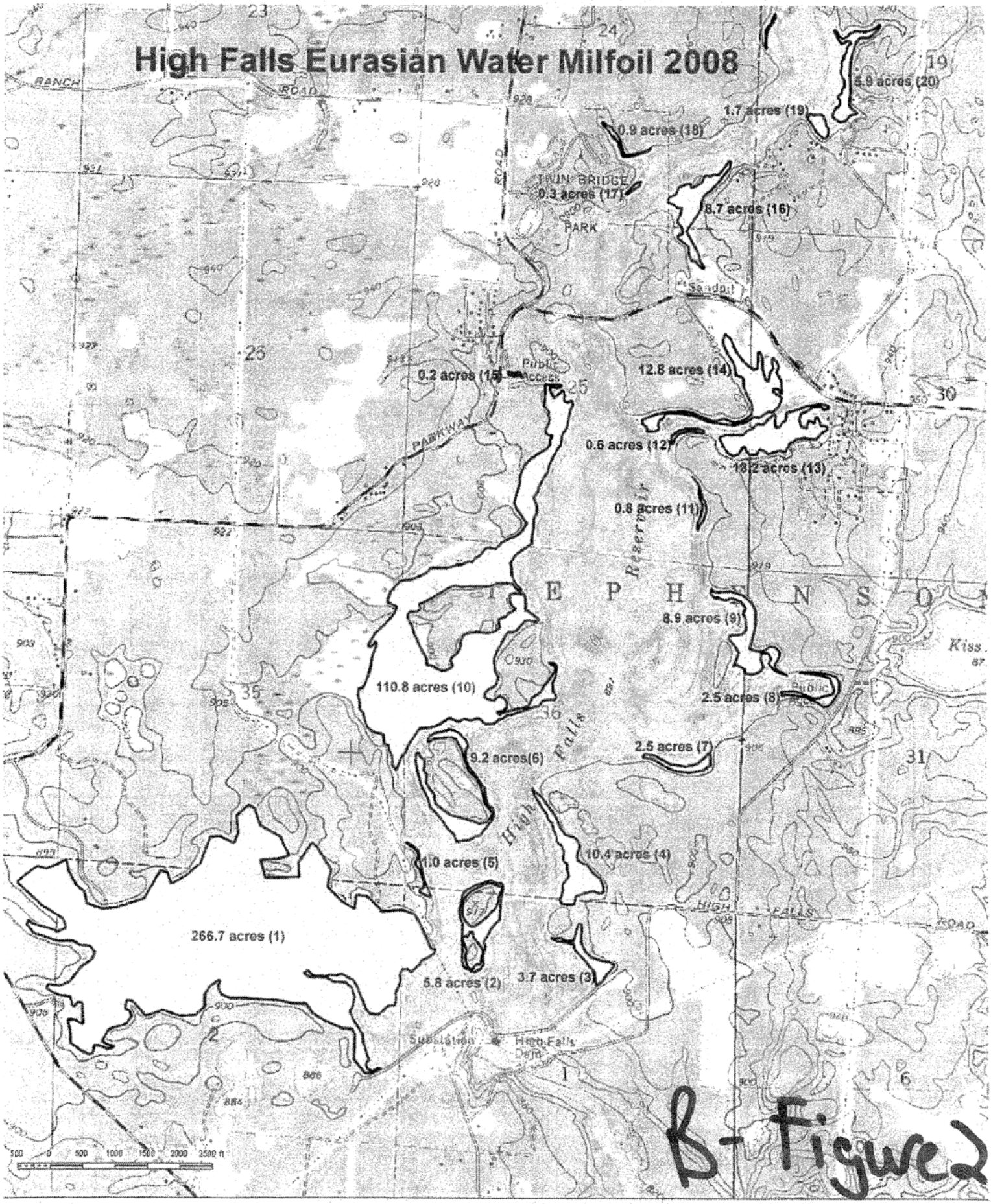
Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin	Perimeter
1A	4	2	NA	NA	45 17.211	
1B	4	2	NA	NA	88 11.662	
1C	4	3	NA	NA		
2A	4	3	2	NA	45 17.259	
2B	4	3	2	NA	88 11.725	
2C	4	4	3	NA		
3A	0	NA	NA	NA	45 17.542	
3B	0	NA	NA	NA	88 11.164	
3C	0	0	NA	NA		
4A	1	NA	NA	NA	45 18.514	
4B	1	1	NA	NA	88 11.949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

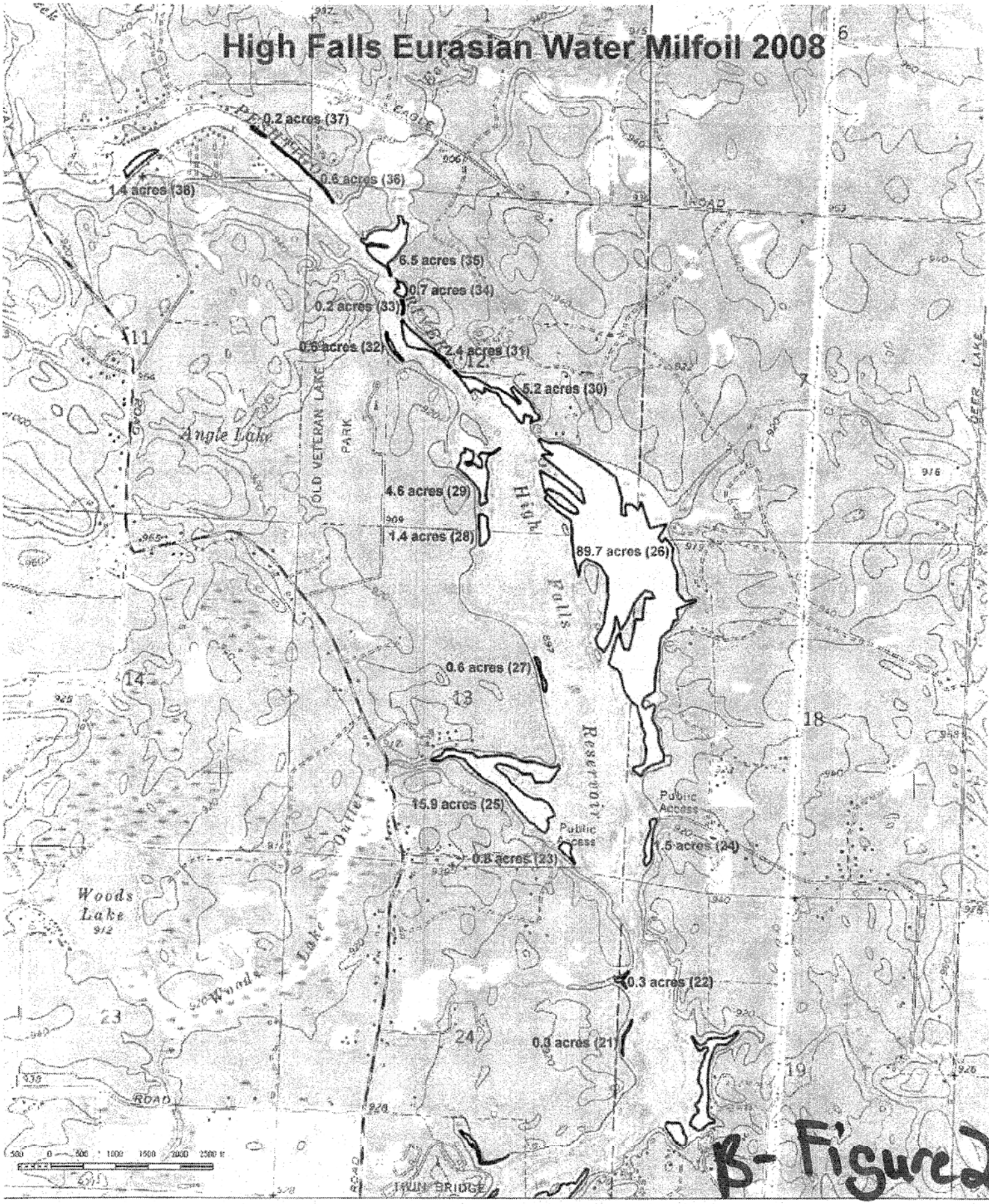
N/A: Not Applicable

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

Note: All transects are 40 feet in length and proceed away from shore in a direction perpendicular to the shoreline

B- Page 1


High Falls Eurasian Water Milfoil 2008
5.9 acres (20)
1.7 acres (19)
0.9 acres (18)
0.3 acres (17)
8.7 acres (16)
0.2 acres (15)
12.8 acres (14)
0.6 acres (12)
13.2 acres (13)
0.8 acres (11)
8.9 acres (9)
110.8 acres (10)
2.5 acres (8)
9.2 acres(6)
2.5 acres (7)
1.0 acres (5)
10.4 acres (4)
266.7 acres (1)
5.8 acres (2)
3.7 acres (3)
B-Figure2


High Falls Eurasian Water Milfoil 2008
0.2 acres (37)
0.6 acres (36)
1.4 acres (38)
6.5 acres (35)
0.7 acres (34)
0.2 acres (33)
0.5 acres (32)
2.4 acres (31)
5.2 acres (30)
4.6 acres (29)
1.4 acres (28)
89.7 acres (26)
0.6 acres (27)
15.9 acres (25)
0.8 acres (23)
1.5 acres (24)
0.3 acres (22)
0.3 acres (21)
Angle Lake
Woods Lake
Old Veteran Lake
Park
High Falls Reservoir
Outlet
Public Access
Public Access
Eagle
Deer Lake
Road
Road
Road
Twin Bridge
11
12
13
14
18
19
23
24

B- Figure 2

High Falls Flowage

Eurasian Water Milfoil Bed Perimeters, Acres and Abundance

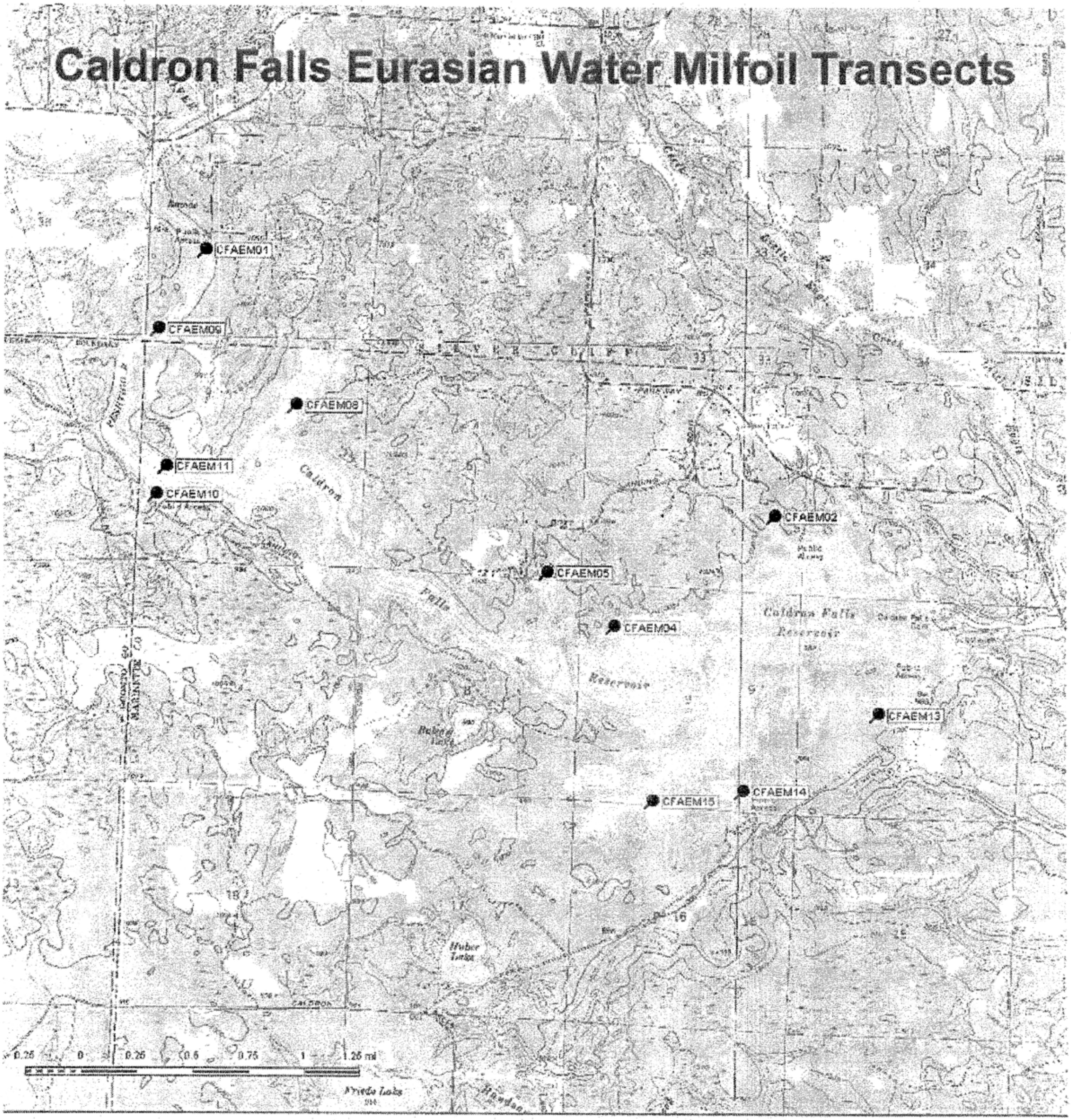
August 11, 2008

Bed Number [a]	Acres	Abundance [b]
1	266.7	4 - 5
2	5.8	3
3	3.7	3
4	10.4	3 - 4
5	1.0	2
6	9.2	3
7	2.5	3
8	2.5	3
9	8.9	3
10	110.8	2 - 4
11	0.8	2
12	0.6	3
13	13.2	3
14	12.8	3
15	0.2	2
16	8.7	3
17	0.3	3
18	0.9	3
19	1.7	3
20	5.9	1 - 2
21	0.3	3
22	0.3	3
23	0.8	3
24	1.5	2
25	15.9	3
26	89.7	2 - 3
27	0.6	2
28	1.4	2
29	4.6	2 - 3
30	5.2	2 - 3
31	2.4	2 - 3
32	0.6	2
33	0.2	2
34	0.7	2 - 3
35	6.5	2 - 3
36	0.6	2 - 3
37	0.2	2
38	1.4	3
	599.5	

[a] Refer to High Falls Eurasian Water Milfoil 2008 map with corresponding bed numbers (perimeters)

[b] 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

B- Page 2


Caldron Falls Eurasian Water Milfoil Transects
CFAEM01
CFAEM09
CFAEM08
CFAEM11
CFAEM10
CFAEM02
CFAEM05
CFAEM04
CFAEM13
CFAEM14
CFAEM15
Caldron
Falls
Reservoir
Caldron Falls Reservoir
Huber Lake
0.25 0 0.25 0.5 0.75 1 1.25 mi

B. Figure I

Eurasian Milfoil Surveys - August 12, 2008

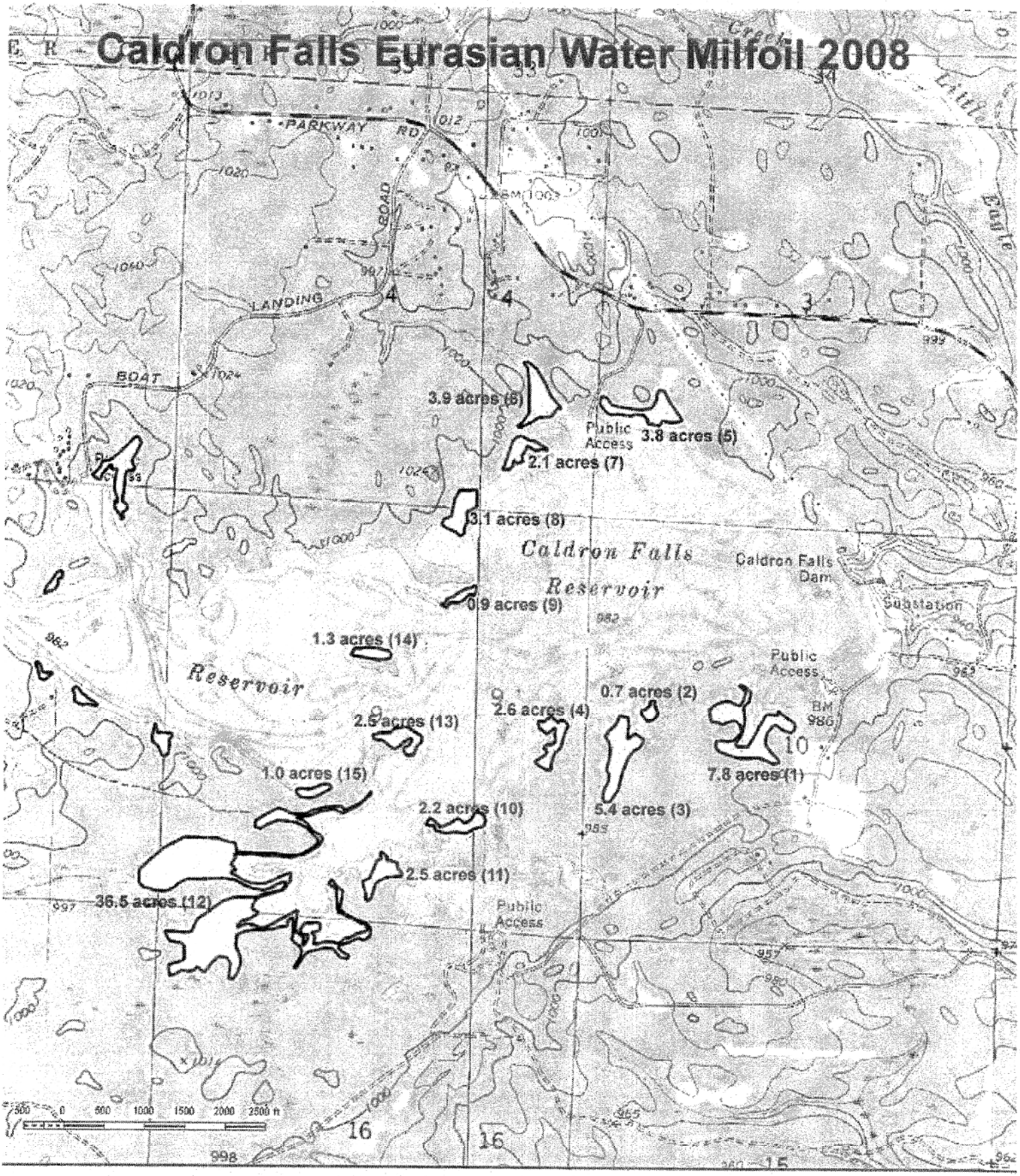
Caldron Falls

Transect #	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	> 3.0 M	Origin	Perimeter
1A	0	0	NA	NA	45 22.836	
1B	0	0	NA	NA	88 18.040	
1C	0	0	NA	NA		
2A	3	3	NA	NA	45 21.843	
2B	3	2	1	NA	88 14.843	
2C	3	2	1	NA		
3A						
3B						
3C						
4A	1	NA	NA	NA	45 21.404	
4B	1	0	NA	NA	88 15.724	
4C	2	2	1	NA		
5A	2	1	NA	NA	45 21.611	
5B	1	1	NA	NA	88 16.107	
5C	0	0	NA	NA		
6A						
6B						
6C						
7A						
7B						
7C						
8A	1	1	1	NA	45 22.240	
8B	1	1	0	NA	88 17.520	
8C	0	0	1	NA		
9A	0	NA	NA	NA	45 22.524	
9B	0	0	NA	NA	88 18.289	
9C	0	0	NA	NA		
10A	0	0	NA	NA	45 21.882	
10B	4	4	0	NA	88 18.284	
10C	1	1	1	NA		
11A	2	1	1	NA	45 21.993	
11B	0	1	1	NA	88 18.235	
11C	1	1	1	NA		
12A						
12B						
12C						
13A	3	2	2	NA	45 21.079	
13B	1	1	3	NA	88 14.255	
13C	2	4	3	NA		
14A	0	0	1	NA	45 20.771	
14B	0	0	0	NA	88 14.993	
14C	0	0	0	NA		
15A	4	4	NA	NA	45 20.726	
15B	4	4	NA	NA	88 15.494	
15C	4	4	NA	NA		

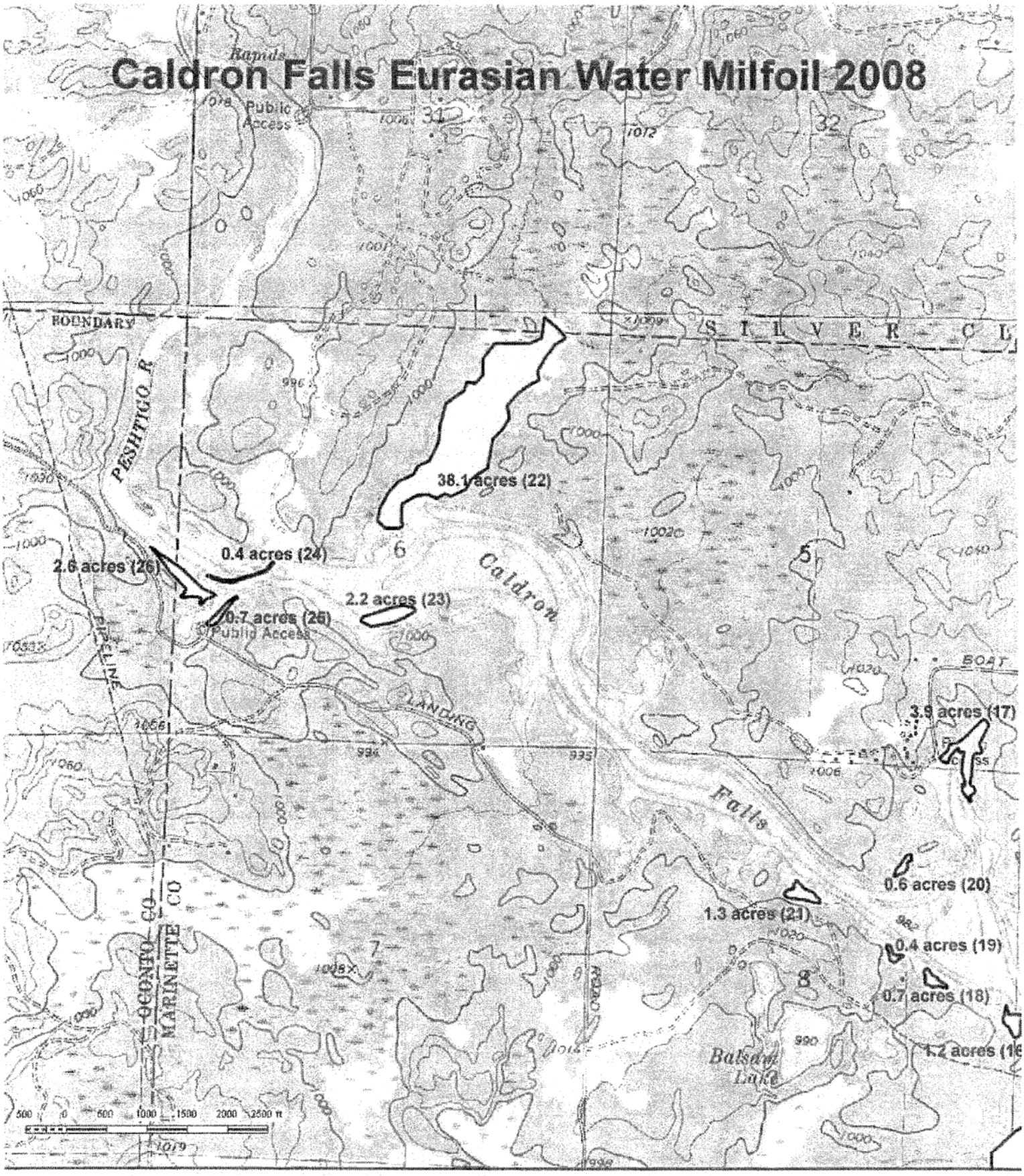
N/A: Not Applicable

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

Note: All transects are 40 feet in length and proceed away from shore in a direction perpendicular to the shoreline


Caldron Falls Eurasian Water Milfoil 2008
PARKWAY RD
BOAT LANDING
ROAD
3.9 acres (6)
Public Access
3.8 acres (5)
2.1 acres (7)
3.1 acres (8)
Caldron Falls Reservoir
Caldron Falls Dam
Substation
0.9 acres (9)
1.3 acres (14)
Reservoir
Public Access
0.7 acres (2)
2.6 acres (4)
2.5 acres (13)
BM 980
7.8 acres (1)
1.0 acres (15)
2.2 acres (10)
5.4 acres (3)
2.5 acres (11)
36.5 acres (12)
Public Access
500 0 500 1000 1500 2000 2500 m

B- Fisure 2


Caldron Falls Eurasian Water Milfoil 2008
38.1 acres (22)
0.4 acres (24)
2.6 acres (26)
2.2 acres (23)
0.7 acres (25)
3.9 acres (17)
0.6 acres (20)
1.3 acres (21)
0.4 acres (19)
0.7 acres (18)
1.2 acres (16)
Caldron Falls
Balsam Lake
PESHTIGO R
PIPELINE
LANDING
BOUNDARY
SILVER CL
OCONTO CO
MARINETTE CO
Public Access
BOAT

B-Fisure 2

Caldron Falls Flowage

Eurasian Water Milfoil Bed Perimeters, Acres and Abundance

August 12, 2008

Bed Number [a]	Acres	Abundance [b]
1	7.8	2
2	0.7	3
3	5.4	3
4	2.6	2
5	3.8	2
6	3.9	3
7	2.1	2
8	3.1	2
9	0.9	2
10	2.2	3
11	2.5	3
12	36.5	2 - 3
13	2.5	2
14	1.3	2
15	1.0	2
16	1.2	2
17	3.9	2
18	0.7	3
19	0.4	2
20	0.6	3
21	1.3	2
22	38.1	2
23	2.2	5
24	0.4	2
25	0.7	2
26	2.6	4
Total =	128.4	

[a] Refer to Caldron Falls Eurasian Water Milfoil 2008 map with corresponding bed numbers (perimeters)

[b] 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

B- Page 2

APPENDIX C

2008 ZEBRA MUSSEL SURVEY

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				
4/5/8	✓	N	✓		MAK	
5/13/08	✓	N	✓		T.N.	
6/18	✓	N	✓		MAK	
7/3/8	✓	N	✓		MAK	
8/14/8	✓	N	✓		MAK	
9/3/8	✓	N	✓		MAK	

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: Monthly	Inspection Type: During Drawdown	No Zebra Muscles Present	Zebra Muscles Present	Operator	Comments
10/1			✓		MAK	—
5/25	✓		✓		MAK	—
6/	✓		✓		MAK	—
7/	✓		✓		MAK	—
8/19	✓		✓		MAK	—
9/4	✓		✓		MAK	

2008

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				
5/22/08	✓		✓		MN	
6/23/08	✓		✓		MN	
7/9/08	✓		✓		MN	
8/5/08	✓		✓		MN	
9/15/08	✓		✓		MN	

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				
5/22/08	✓		✓		MN	
6/23	✓		✓		MN	
7/9	✓		✓		MN	
8/5	✓		✓		MN	
9/15	✓		✓		MN	

2008

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				
5/22/08	✓		✓		MN	—
6/23/08	✓		✓		MN	—
7/9/08	✓		✓		MN	—
8/5/08	✓		✓		MN	—
9/15/08	✓		✓		MN	—

ZEBRA MUSSEL INSPECTION RESULTS 2008
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				
4/4/08	✓	✓	✓		M.N	Pond Drawn Down 5.5'
5/12/08	✓		✓		M.N.	
6/20/08	✓		✓		M.N.	
7/10/08	✓		✓		MN	
8/5/08	✓		✓		MN	
9/17/08	✓		✓		MN	

APPENDIX D

2008 DOCUMENTATION OF CONSULTATION

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

September 29, 2008

Ms. Louise Clemency
U.S. Fish & Wildlife Service
Department of the Interior
2661 Scott Tower Drive
New Franken, WI 54229-9565

Dear Ms. Clemency:

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, Eurasian water milfoil (EWM) and zebra mussels.

All of the above mentioned projects were surveyed for purple loosestrife from August 11, 2008 to August 18, 2008. As in previous surveys, the presence of purple loosestrife was indicated at the Peshtigo Project. Purple loosestrife was not identified at any of the other projects. A figure and sheet indicating the location and colony size of purple loosestrife at the Peshtigo Project is located in Appendix A. A size comparison of the 2007 to 2008 survey results for purple loosestrife at the Peshtigo Project is also provided in Page 2, Appendix A. The comparison provides any control methods that were conducted.

WPSC is planning to submit supplement to the Comprehensive Land and Wildlife Management Plan issued March 29, 2006 that will request in part, to release *Galerucella* Beetles at the Peshtigo Project. WPSC will provide this information to the resource agencies for comment prior to submitting to the Federal Energy Regulatory Commission (FERC). It is anticipated that the supplement will be submitted prior to January 1, 2009.

EWM surveys where conducted in-conjunction with the purple loosestrife surveys from August 11, 2008 to August 18, 2008. EWM was present at all six hydroelectric projects. EWM was identified as present or in small populations at the Peshtigo, Potato Rapids, Sandstone Rapids and Johnson Falls Projects. Large populations of EWM were identified at the High Falls and Caldron Falls Projects. Appendix B supplies figures of the transect sample locations and informational sheets providing Presence/Absence and transect coordinates for all six hydroelectric projects (Figures 1 and Pages 1). Appendix B also provides a figure of the acres in which EWM encompass and a sheet on the abundance of the EWM in those acres for the

Johnson Falls (Figure 1 and Page 2) Caldron Falls and High Falls Projects (Figures 2 and Pages 2)

It is important to note that the acres included on the figures represent the boundary extent of where the EWM was identified. The acres are comprised of a variety of aquatic vegetation, in most cases EWM populations were identified at presence less than half when compared to the surrounding vegetation. Please refer to the EWM Bed Perimeters, Acres and Abundance Sheet (Appendix B Pages 2).

WPSC is currently working the Wisconsin Department of Natural Resources - Governor Thompson State Park, to control EWM within a navigational channel that contents a boat landing to the main flowage at the Caldron Falls Project. WPSC anticipates conducting the control activities in the spring/summer of 2009.

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 2008 inspections. A summary of the results has been included in Appendix C.

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

Sincerely,

James D. Nuthals
Environmental Consultant

syx

Enc.

cc: Ms. Joan Johanek, WPSC
Mr. Bruce Crocker, WPSC

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

September 29, 2008

Mr. Byron Simon, Chief Biologist
Wisconsin Dept. of Natural Resources
101 S Webster Sreet - WT/4
PO Box 7921
Madison, WI 53703

Dear Mr. Simon:

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, Eurasian water milfoil (EWM) and zebra mussels.

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Sincerely,

James D. Nuthals
Environmental Consultant

syx

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cc: Ms. Joan Johanek, WPSC
Mr. Bruce Crocker, WPSC