ORIGINAL

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
700 North Adams Street
P.O. Box 19002
Green Bay, WI 54307-9002

99 OCT 26 AM 10:42

FEDERAL ENERGY REGULATORY COMMISSION

October 22, 1999

FERC Project Nos. 2525, 2595, 2522, 2546, 2560, and 2581

021 036 047 047 022 022

Mr. David P. Boergers, Secretary
Federal Energy Regulatory Commission
Mail Code: DTCA, HL 21.3
888 First Street, N.E.
Washington, DC 20426

Dear Secretary Boergers:

As per the order approving the Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project No. 2595), Johnson Falls Project (FERC Project No. 2522), Sandstone Rapids Project (FERC Project No. 2546), the Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the annual survey results for purple loosestrife and zebra mussels, along with the first year of monitoring for eurasian milfoil.

The presence of purple loosestrife was identified at the Peshtigo Hydroelectric Project. All other projects did not contain purple loosestrife. A map indicating the location and the number of plants in the colonies is available in Appendix 1.

The presence of eurasian milfoil was identified at the High Falls Hydroelectric Project, the Johnson Falls Hydroelectric Project, the Sandstone Rapids Hydroelectric Project, and the Peshtigo Hydroelectric Project. Eurasian milfoil was not identified at the Caldron Falls or Potato Rapids Hydroelectric Project. Maps indicating the locations of the survey transects for all six projects, along with the perimeter and area of each identified colony are available in Appendix 2.

Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for all projects for the months of May through September, along with an inspection of the dam structure at Johnson Falls during the two foot drawdown in September. The presence of zebra mussels were not identified at any of the six projects during the 1999 inspections. A summary copy of the results has been included in Appendix 3.

Copies of the results from the purple loosestrife and eurasian milfoil monitoring have been submitted to the Wisconsin Department of Natural Resources (WDNR) and the U.S. Fish and Wildlife Service (FWS). Copies of the summary of results have been provided to the WDNR, FWS, and Sea Grant Institute. Documentation of the submittal of results is included in Appendix 4.

9910270527-3

If you have any questions, please do not hesitate to call Shawn Puzen at (920) 433-1094.

Sincerely,

Ronald H. Schmidt for

Charles A. Schrock
Senior Vice President - Energy Supply
Telephone: (920) 433-5515

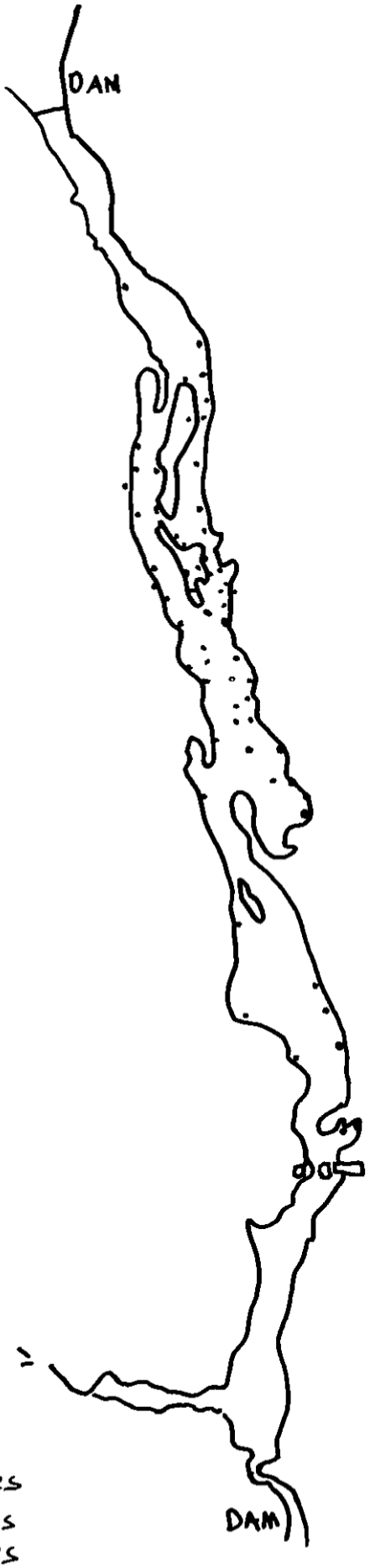
vav

Enclosure

cc: Mr. Ron Schmidt, WPSC - D2
Ms. Peggy Harding, FERC - Chicago
Mr. Bob Edwards, WPSC - D2
Mr. Greg Egtvedt, WPSC - A2

Appendix 1

Purple Loosestrife Monitoring Data



- 1 to 5 colonies
- 5 to 50 colonies
- 50+ Colonies

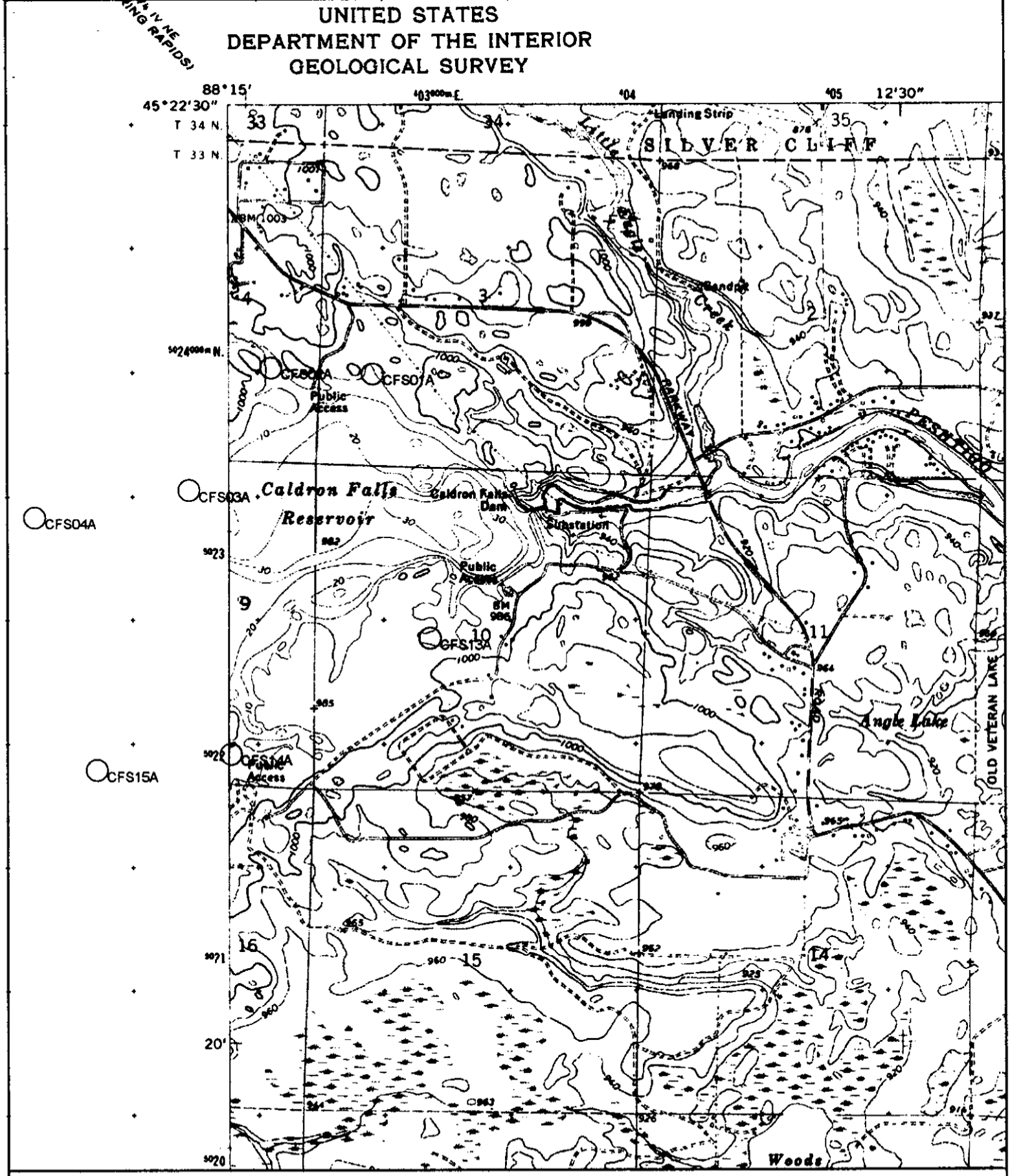
PESHTIGO RIVER
Purple Loosestrife 1999

Appendix 2

Eurasian Milfoil Monitoring Data

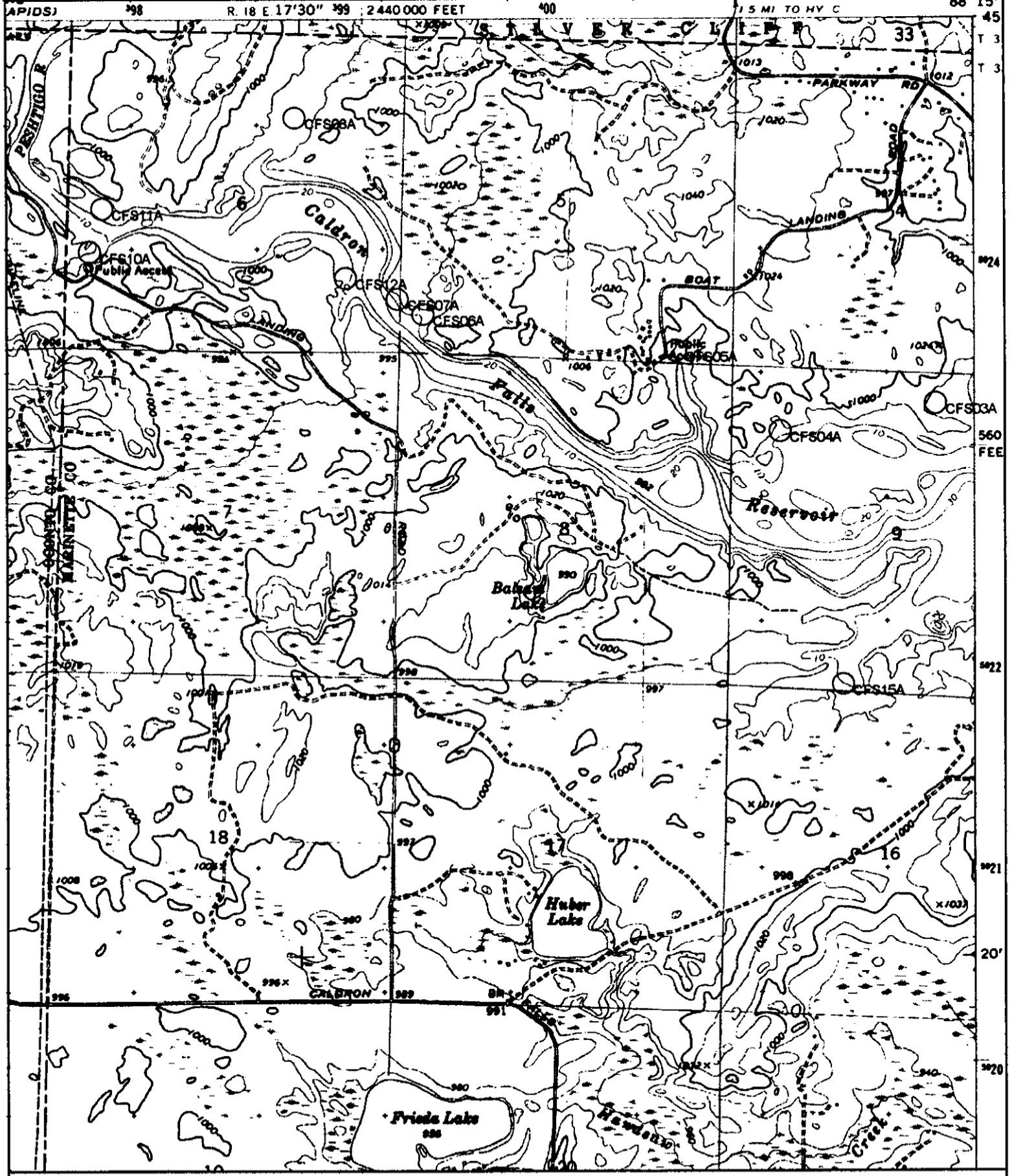
Eurasian Milfoil Mat Density					
Caldron Falls			7/18/99		
					Origin
					(degrees north, minutes)
Transect	0-0.5 Meters	0.5-1.5 Meters	1.5-3.0 Meters	>3.0 Meters	(degrees west, minutes)
1A	0	NA	NA	NA	45 21.801
1B	0	NA	NA	NA	88 14.519
1C	0	NA	NA	NA	
2A	0	0	NA	NA	45 21.794
2B	0	0	NA	NA	88 14.843
2C	0	0	NA	NA	
3A	0	NA	NA	NA	45 21.472
3B	0	NA	NA	NA	88 15.140
3C	0	NA	NA	NA	
4A	0	0	NA	NA	45 21.404
4B	0	0	NA	NA	88 15.724
4C	0	0	NA	NA	
5A	0	NA	NA	NA	45 21.611
5B	0	NA	NA	NA	88 16.107
5C	0	NA	NA	NA	
6A	0	NA	NA	NA	45 21.688
6B	0	NA	NA	NA	88 17.048
6C	0	NA	NA	NA	
7A	0	0	NA	NA	45 21.755
7B	0	0	NA	NA	88 17.140
7C	0	0	NA	NA	
8A	0	0	NA	NA	45 22.240
8B	0	0	NA	NA	88 17.520
8C	0	0	NA	NA	
9A	0	NA	NA	NA	45 22.524
9B	0	NA	NA	NA	88 18.254
9C	0	NA	NA	NA	
10A	0	0	NA	NA	45 21.882
10B	0	0	NA	NA	88 18.284
10C	0	0	NA	NA	
11A	0	0	NA	NA	45 21.993
11B	0	0	NA	NA	88 18.235
11C	0	0	NA	NA	
12A	0	NA	NA	NA	45 21.809
12B	0	NA	NA	NA	88 17.334
12C	0	NA	NA	NA	
13A	0	0	NA	NA	45 21.079
13B	0	0	NA	NA	88 14.255
13C	0	0	NA	NA	
14A	0	0	NA	NA	45 20.771
14B	0	0	NA	NA	88 14.993
14C	0	0	NA	NA	
15A	0	NA	NA	NA	45 20.726
15B	0	NA	NA	NA	88 15.494
15C	0	NA	NA	NA	
All transects are 40 feet in length and proceed in an easterly direction from their origin.					
Only transects with abundance of 3 are identified as colonies.					
Mat Density Scale					
0-None					
1-Low					
2-Medium					
3-High					

Caldron Falls Flowage					
Survey Date:					
7/18/99					
Only transects with abundance of 3 are identified as colonies.					
Transect/	Perimeter (feet)		Area (acres)		
None					



Name: HIGH FALLS RESERVOIR
Date: 10/22/99
Scale: 1 inch equals 2000 feet

Location: 045° 21' 13.1" N 088° 13' 58.3" W
Caption: Caldron Falls Eurasian Milfoil Survey 1999

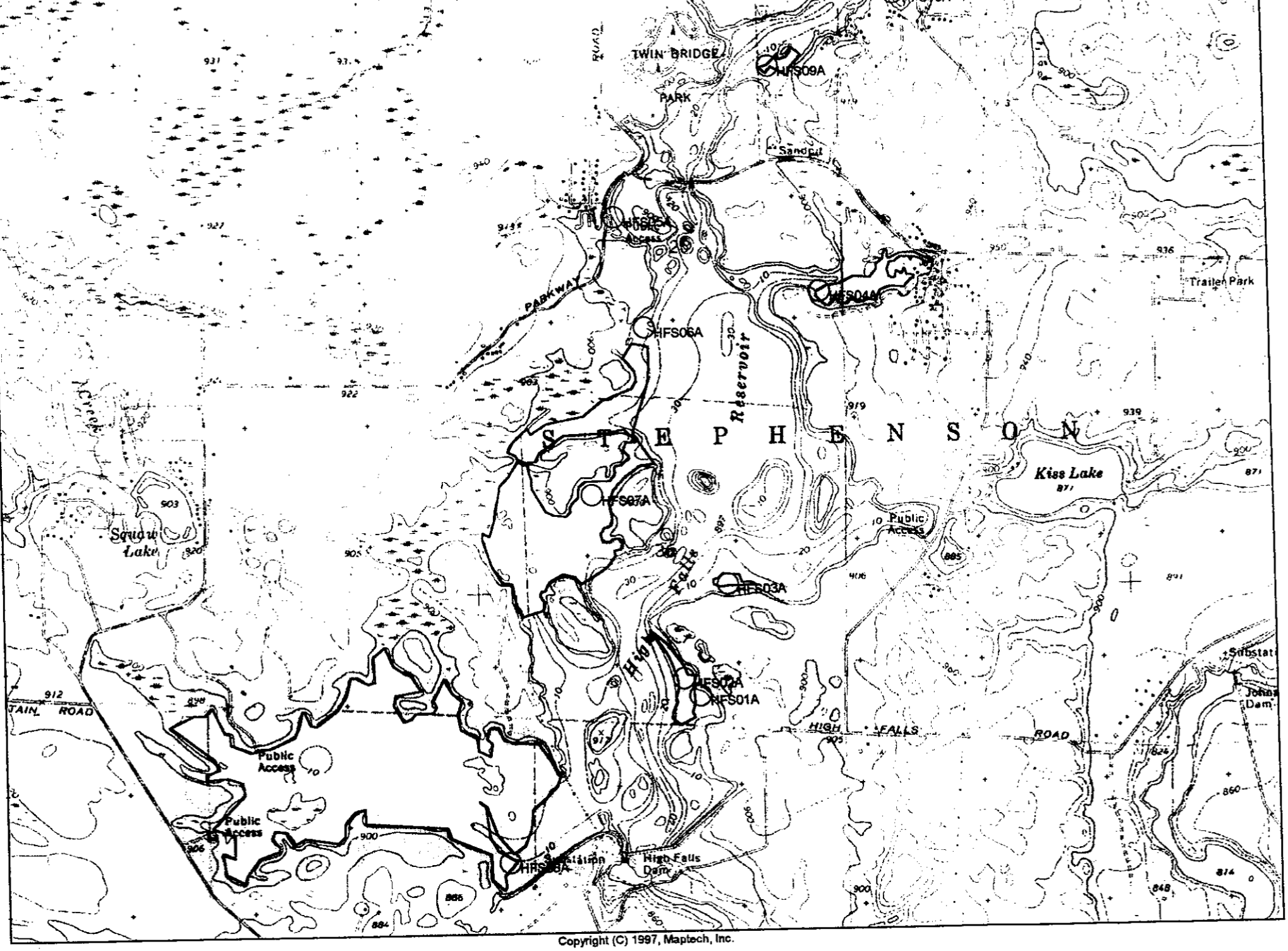


Name: THUNDER MT
Date: 10/22/99
Scale: 1 inch equals 2000 feet

Location: 045° 20' 59.3" N 088° 16' 44.5" W
Caption: Caldron Falls Eurasian Milfoil Survey 1999

Eurasian Milfoil Mat Density					
High Falls			7/22/99 and 8/27/1999		
					Origin
					(degrees north, minutes)
Transect	0-0.5 Meters	0.5-1.5 Meters	1.5-3.0 Meters	>3.0 Meters	(degrees west, minutes)
1A	1	NA	NA	NA	45 17.211
1B	1	NA	NA	NA	88 11.662
1C	1	NA	NA	NA	
2A	3	3	NA	NA	45 17.259
2B	3	3	NA	NA	88 11.723
2C	3	3	NA	NA	
3A	3	2	2	NA	45 17.542
3B	3	2	2	NA	88 11.565
3C	3	2	2	NA	
4A	3	2	NA	NA	45 18.293
4B	3	2	NA	NA	88 11.164
4C	3	2	NA	NA	
5A	1	NA	NA	NA	45 18.514
5B	1	1	NA	NA	88 11.949
5C	1	0	NA	NA	
6A	1	NA	NA	NA	45 18.213
6B	1	NA	NA	NA	88 11.841
6C	1	NA	NA	NA	
7A	3	2	1	NA	45 17.763
7B	3	2	1	NA	88 12.056
7C	3	2	1	NA	
8A	3	3	NA	NA	45 16.766
8B	3	3	NA	NA	88 12.407
8C	3	3	NA	NA	
9A	3	3	NA	NA	45 18.921
9B	3	3	NA	NA	88 11.349
9C	3	3	NA	NA	
10A	1	NA	NA	NA	45 19.112
10B	1	NA	NA	NA	88 10.857
10C	1	NA	NA	NA	
11A	0	0	NA	NA	45 19.833
11B	0	0	0	NA	88 10.983
11C	0	0	0	NA	
12A	2	2	NA	NA	45 20.107
12B	2	2	NA	NA	88 11.003
12C	2	2	NA	NA	
13A	1	1	NA	NA	45 20.450
13B	1	1	NA	NA	88 11.065
13C	1	1	NA	NA	
14A	1	NA	NA	NA	45 20.762
14B	1	NA	NA	NA	88 11.606
14C	1	NA	NA	NA	
15A	3	2	NA	NA	45 20.002
15B	3	2	NA	NA	88 11.275
15C	3	2	NA	NA	
All transects are 40 feet in length and proceed in an easterly direction from their origin.					
Only transects with abundance of 3 are identified as colonies.					
Mat Density Scale					
0-None					
1-Low					
2-Medium					
3-High					

High Falls Flowage			
Survey Dates:			
7/22/99			
8/27/99			
Only transects with abundance of 3 are identified as colonies.			
Transect/Colony Number	Perimeter (feet)		Area (acres)
2	3877		7.407
3	1638		2.001
4	6383		12.818
7	19551		104.194
8	27688		250.773
9	2095		2.779
12	5771		25.652
15	3315		7.247



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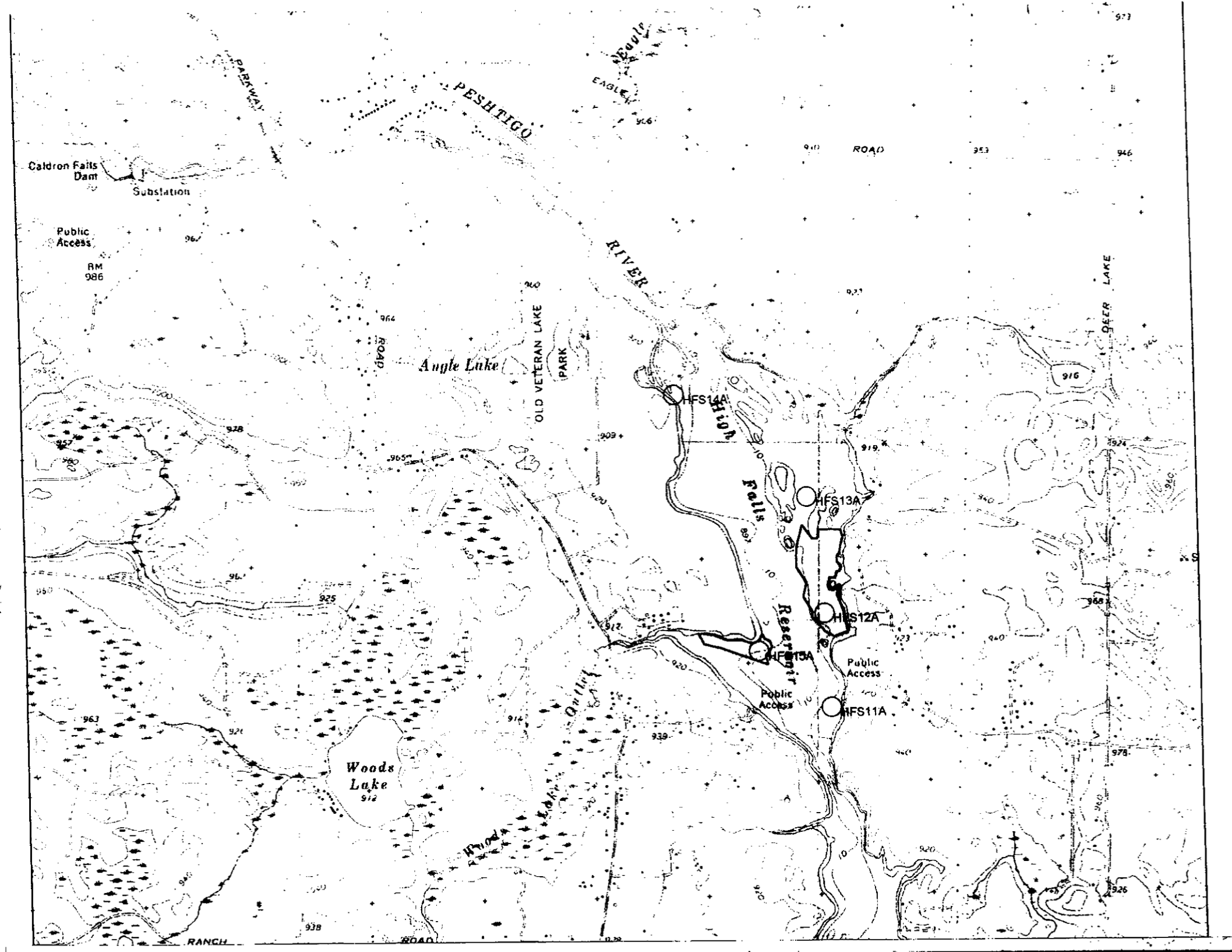
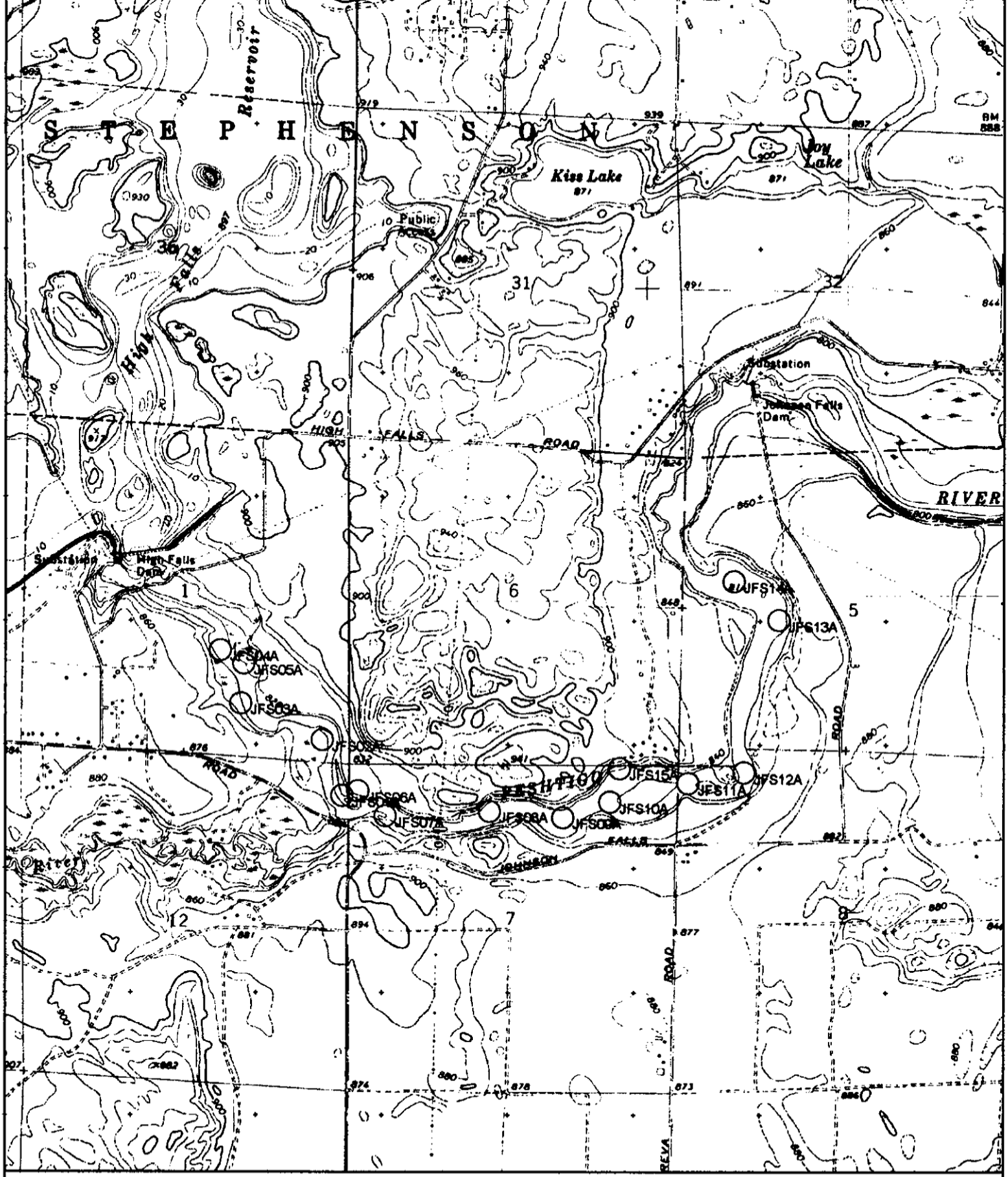

PESHTIGO
PARKWAY
EAGLE
ROAD
Caldron Falls Dam
Substation
Public Access
BM 986
RIVER
DEER LAKE
Angle Lake
ROAD
OLD VETERAN LAKE PARK
HFS14A
High Falls Reservoir
HFS13A
HFS12A
HFS15A
Public Access
Public Access
HFS11A
Outlet
Woods Lake
RANCH
ROAD

Eurasian Milfoil Mat Density					
Johnson Falls			9/7/99		
					Origin
					(degrees north, minutes)
Transect	0-0.5 Meters	0.5-1.5 Meters	1.5-3.0 Meters	>3.0 Meters	(degrees west, minutes)
1A	0	NA	NA	NA	45 16.149
1B	0	NA	NA	NA	88 11.134
1C	0	NA	NA	NA	
2A	1	NA	NA	NA	45 16.295
2B	0	NA	NA	NA	88 11.205
2C	1	NA	NA	NA	
3A	0	NA	NA	NA	45 16.392
3B	1	NA	NA	NA	88 11.508
3C	1	NA	NA	NA	
4A	1	NA	NA	NA	45 16.535
4B	1	NA	NA	NA	88 11.584
4C	0	NA	NA	NA	
5A	2	NA	NA	NA	45 16.498
5B	2	NA	NA	NA	88 11.498
5C	2	NA	NA	NA	
6A	1	NA	NA	NA	45 16.161
6B	1	NA	NA	NA	88 11.074
6C	0	NA	NA	NA	
7A	0	NA	NA	NA	45 16.095
7B	1	NA	NA	NA	88 10.972
7C	0	NA	NA	NA	
8A	1	NA	NA	NA	45 16.107
8B	1	NA	NA	NA	88 10.588
8C	0	NA	NA	NA	
9A	0	0	NA	NA	45 16.091
9B	0	0	NA	NA	88 10.317
9C	0	0	NA	NA	
10A	0	NA	NA	NA	45 16.131
10B	0	NA	NA	NA	88 10.141
10C	0	NA	NA	NA	
11A	0	NA	NA	NA	45 16.181
11B	0	0	NA	NA	88 09.850
11C	0	0	NA	NA	
12A	0	NA	NA	NA	45 16.210
12B	0	NA	NA	NA	88 09.644
12C	0	NA	NA	NA	
13A	0	NA	NA	NA	45 16.614
13B	1	NA	NA	NA	88 09.514
13C	0	NA	NA	NA	
14A	0	0	0	NA	45 16.717
14B	0	0	0	NA	88 09.681
14C	0	0	0	NA	
15A	0	0	NA	NA	45 16.221
15B	0	0	NA	NA	88 10.106
15C	0	0	NA	NA	
All transects are 40 feet in length and proceed in an easterly direction from their origin.					
Only transects with abundance of 3 are identified as colonies.					
Mat Density Scale					
0-None					
1-Low					
2-Medium					
3-High					

Johnson Falls Flowage			
Survey Date:			
9/7/99			
Only transects with abundance of 3 are identified as colonies.			
Transect/Colony Number	Perimeter (feet)		Area (acres)
None			

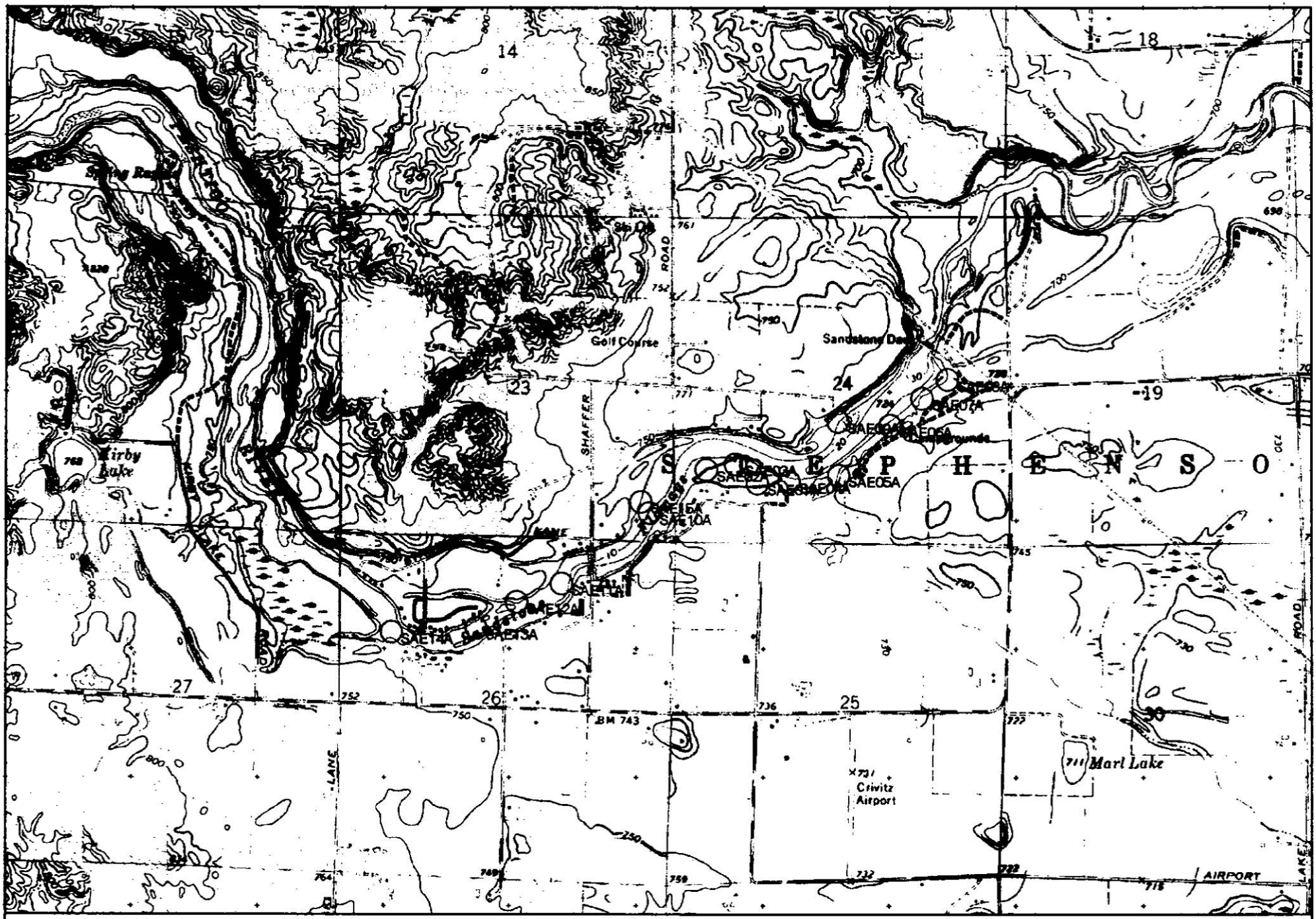


Name: HIGH FALLS RESERVOIR
Date: 10/22/99
Scale: 1 inch equals 2000 feet

Location: 045° 16' 42.2" N 088° 10' 31.8" W
Caption: Johnson Falls Eurasian Milfoil Survey 1999

Eurasian Milfoil Mat Density					
Sandstone Rapids			9/30/99		
					Origin
					(degrees north, minutes)
Transect	0-0.5 Meters	0.5-1.5 Meters	1.5-3.0 Meters	>3.0 Meters	(degrees west, minutes)
1A	2	1	NA	NA	45 13.660
1B	2	1	NA	NA	88 04.711
1C	2	1	NA	NA	
2A	3	2	NA	NA	45 13.695
2B	1	1	NA	NA	88 04.898
2C	1	2	NA	NA	
3A	0	0	0	NA	45 13.709
3B	0	0	1	NA	88 04.794
3C	0	0	NA	NA	
4A	1	NA	NA	NA	45 13.663
4B	1	NA	NA	NA	88 04.595
4C	1	NA	NA	NA	
5A	0	0	NA	NA	45 13.680
5B	0	1	NA	NA	88 04.413
5C	1	0	NA	NA	
6A	1	0	NA	NA	45 13.807
6B	1	0	NA	NA	88 04.223
6C	1	0	NA	NA	
7A	2	2	NA	NA	45 13.878
7B	2	2	NA	NA	88 04.107
7C	2	2	NA	NA	
8A	0	NA	NA	NA	45 13.924
8B	1	NA	NA	NA	88 04.014
8C	1	NA	NA	NA	
9A	1	NA	NA	NA	45 13.818
9B	1	NA	NA	NA	88 04.415
9C	1	NA	NA	NA	
10A	0	0	NA	NA	45 13.584
10B	0	0	NA	NA	88 05.108
10C	0	0	NA	NA	
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	0	NA	NA	NA	
13A	0	NA	NA	NA	45 13.289
13B	0	NA	NA	NA	88 05.747
13C	0	NA	NA	NA	
14A	0	NA	NA	NA	45 13.280
14B	0	NA	NA	NA	88 06.060
14C	0	NA	NA	NA	
15A	1	NA	NA	NA	45 13.612
15B	1	NA	NA	NA	88 05.141
15C	1	NA	NA	NA	
All transects are 40 feet in length and proceed in an easterly direction from their origin.					
Only transects with abundance of 3 are identified as colonies.					
Mat Density Scale					
0-None					
1-Low					
2-Medium					
3-High					

Sandstone Rapids Flowage			
Survey Dates:			
9/30/99			
Only transects with abundance of 3 are identified as colonies.			
Transect/Colony Number	Perimeter (feet)		Area (acres)
1 & 2	3093		9.425

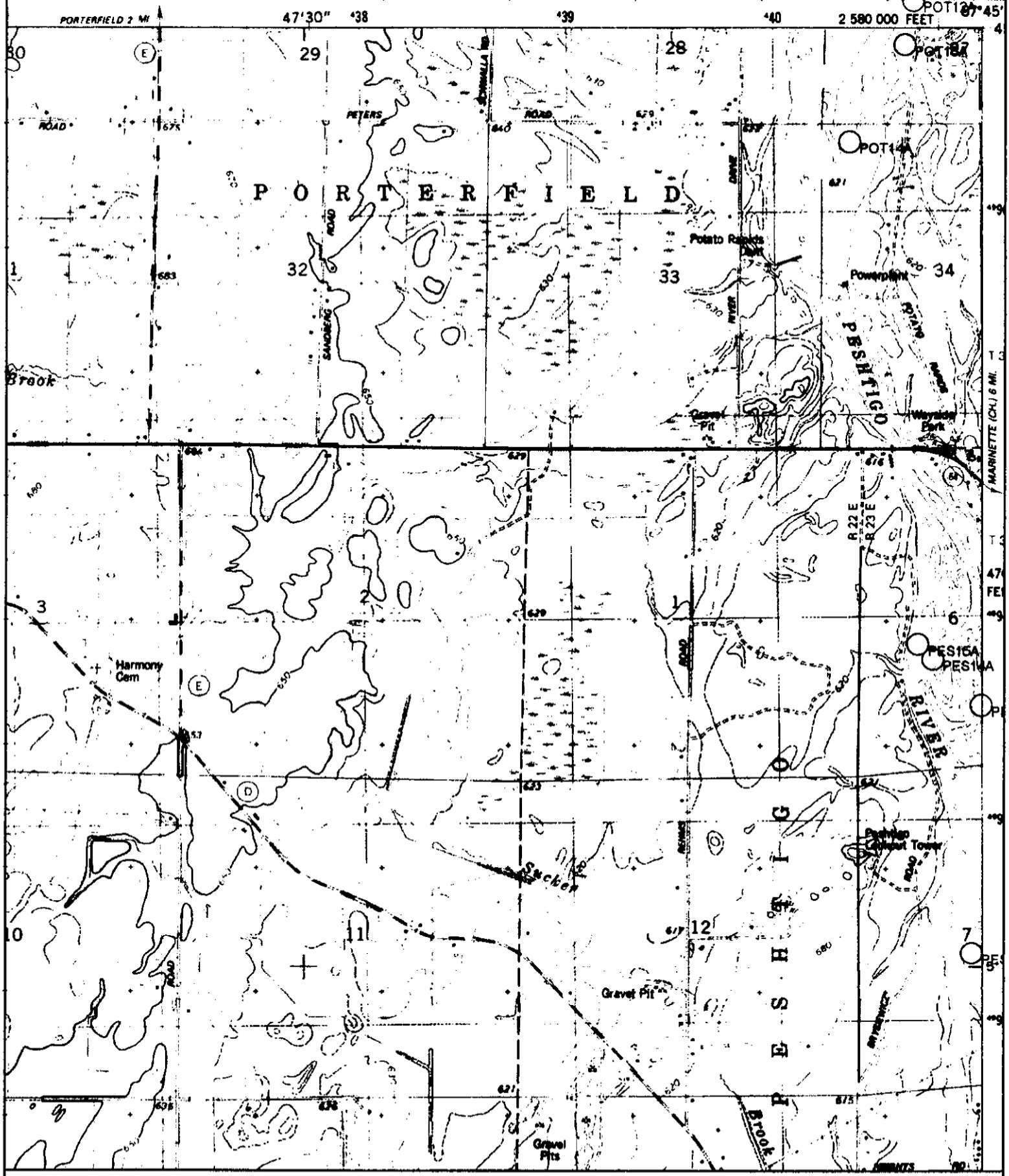


Name: CRIVITZ
Date: 10/21/99
Scale: 1 inch equals 2000 feet

Location: 045° 13' 43.2" N 088° 05' 04.7" W
Caption: Sandstone Rapids Eurasian Milfoil Survey 1999

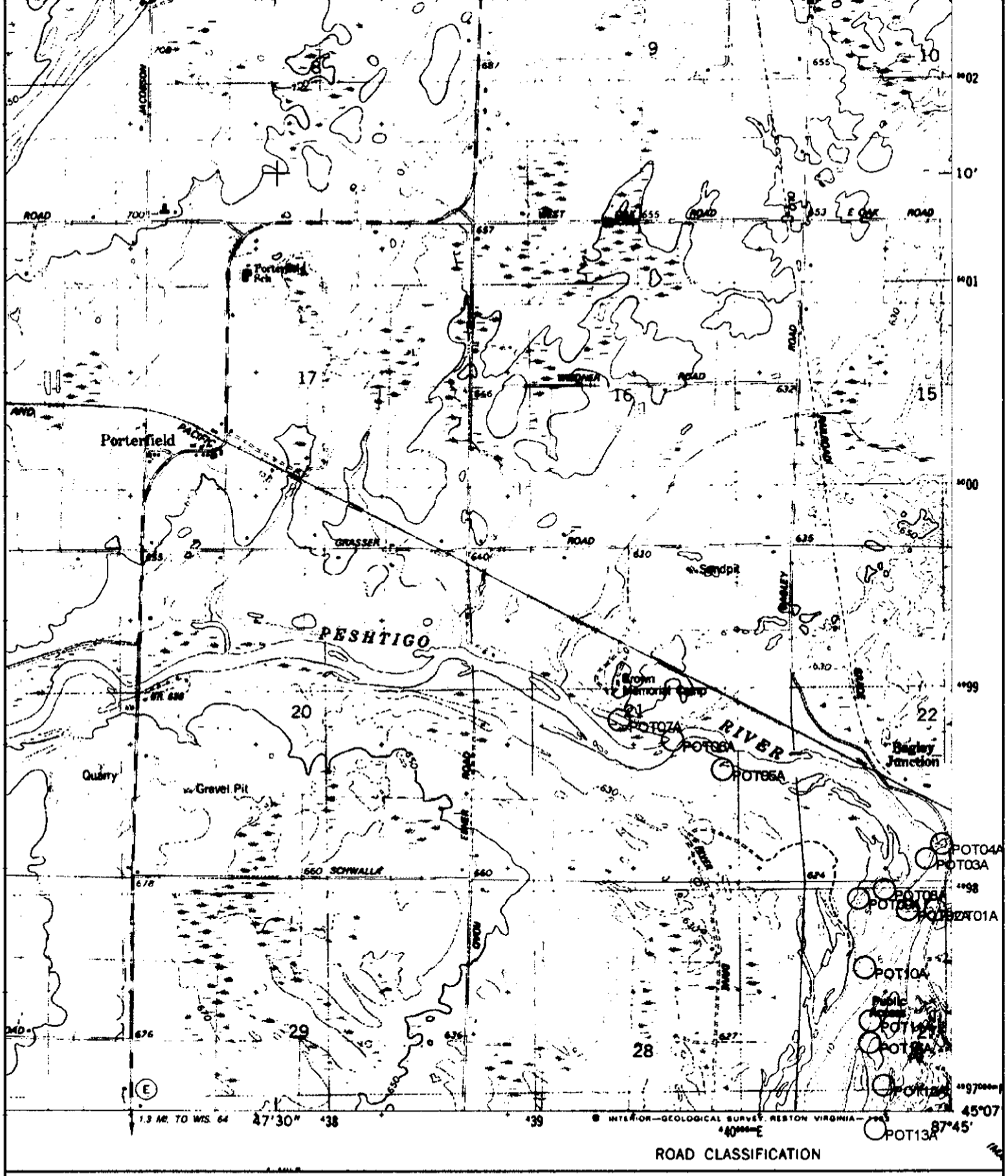
Eurasian Milfoil Mat Density					
Potato Rapids			9/29/99		
					Origin
					(degrees north, minutes)
Transect	0-0.5 Meters	0.5-1.5 Meters	1.5-3.0 Meters	>3.0 Meters	(degrees west, minutes)
1A	0	NA	NA	NA	45 08.041
1B	0	NA	NA	NA	87 45.066
1C	0	NA	NA	NA	
2A	0	NA	NA	NA	45 08.040
2B	0	NA	NA	NA	88 45.170
2C	0	NA	NA	NA	
3A	0	NA	NA	NA	45 08.182
3B	0	NA	NA	NA	88 45.100
3C	0	NA	NA	NA	
4A	0	NA	NA	NA	45 08.223
4B	0	NA	NA	NA	88 45.041
4C	0	NA	NA	NA	
5A	0	NA	NA	NA	45 08.421
5B	0	NA	NA	NA	88 45.854
5C	0	NA	NA	NA	
6A	0	NA	NA	NA	45 08.497
6B	0	NA	NA	NA	88 46.036
6C	0	NA	NA	NA	
7A	0	0	NA	NA	45 08.546
7B	0	0	NA	NA	88 46.236
7C	0	0	NA	NA	
8A	0	NA	NA	NA	45 08.096
8B	0	NA	NA	NA	88 45.255
8C	0	NA	NA	NA	
9A	0	NA	NA	NA	45 08.071
9B	0	NA	NA	NA	88 45.351
9C	0	NA	NA	NA	
10A	0	0	NA	NA	45 07.890
10B	0	0	NA	NA	88 45.329
10C	0	0	NA	NA	
11A	0	NA	NA	NA	45 07.745
11B	0	NA	NA	NA	88 45.306
11C	0	NA	NA	NA	
12A	0	NA	NA	NA	45 07.572
12B	0	NA	NA	NA	88 45.258
12C	0	NA	NA	NA	
13A	0	NA	NA	NA	45 07.456
13B	0	NA	NA	NA	88 45.291
13C	0	NA	NA	NA	
14A	0	NA	0	NA	45 07.198
14B	0	NA	0	NA	88 45.494
14C	0	NA	0	NA	
15A	0	NA	NA	NA	45 07.688
15B	0	NA	NA	NA	88 45.310
15C	0	NA	NA	NA	
All transects are 40 feet in length and proceed in an easterly direction from their origin.					
Only transects with abundance of 3 are identified as colonies.					
Mat Density Scale					
0-None					
1-Low					
2-Medium					
3-High					

Potato Rapids			
Survey Date:			
9/29/99			
Only transects with abundance of 3 are identified as colonies.			
Transect/Colony Number	Perimeter (feet)		Area (acres)
None			



Name: HARMONY
Date: 10/21/99
Scale: 1 inch equals 2000 feet

Location: 045° 06' 00.8" N 087° 46' 45.6" W
Caption: Potato Rapids Eurasian Milfoil Survey 1999

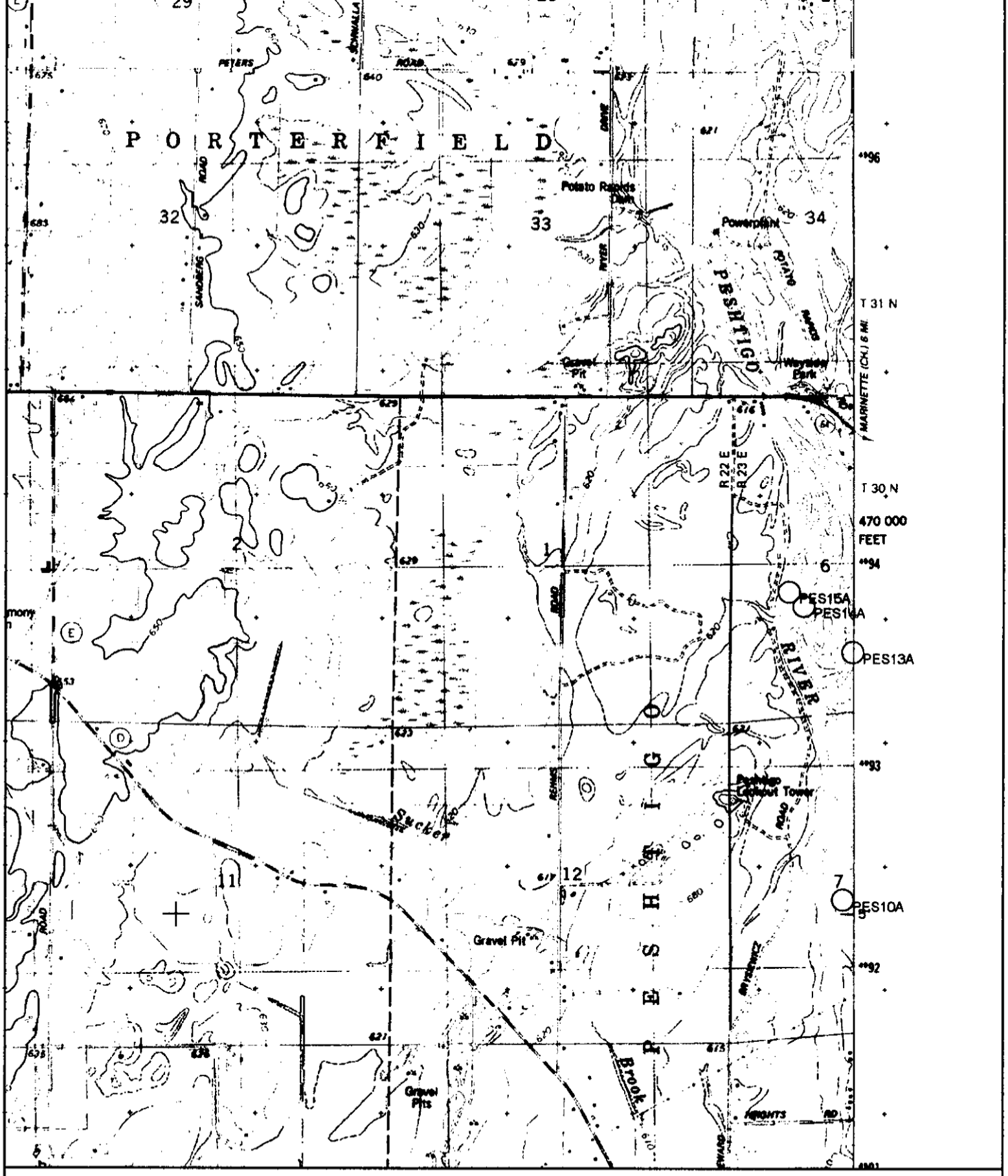


Name: PORTERFIELD
Date: 10/21/99
Scale: 1 inch equals 2000 feet

Location: 045° 08' 54.2" N 087° 46' 39.6" W
Caption: Potato Rapids Eurasian Milfoil Survey 1999

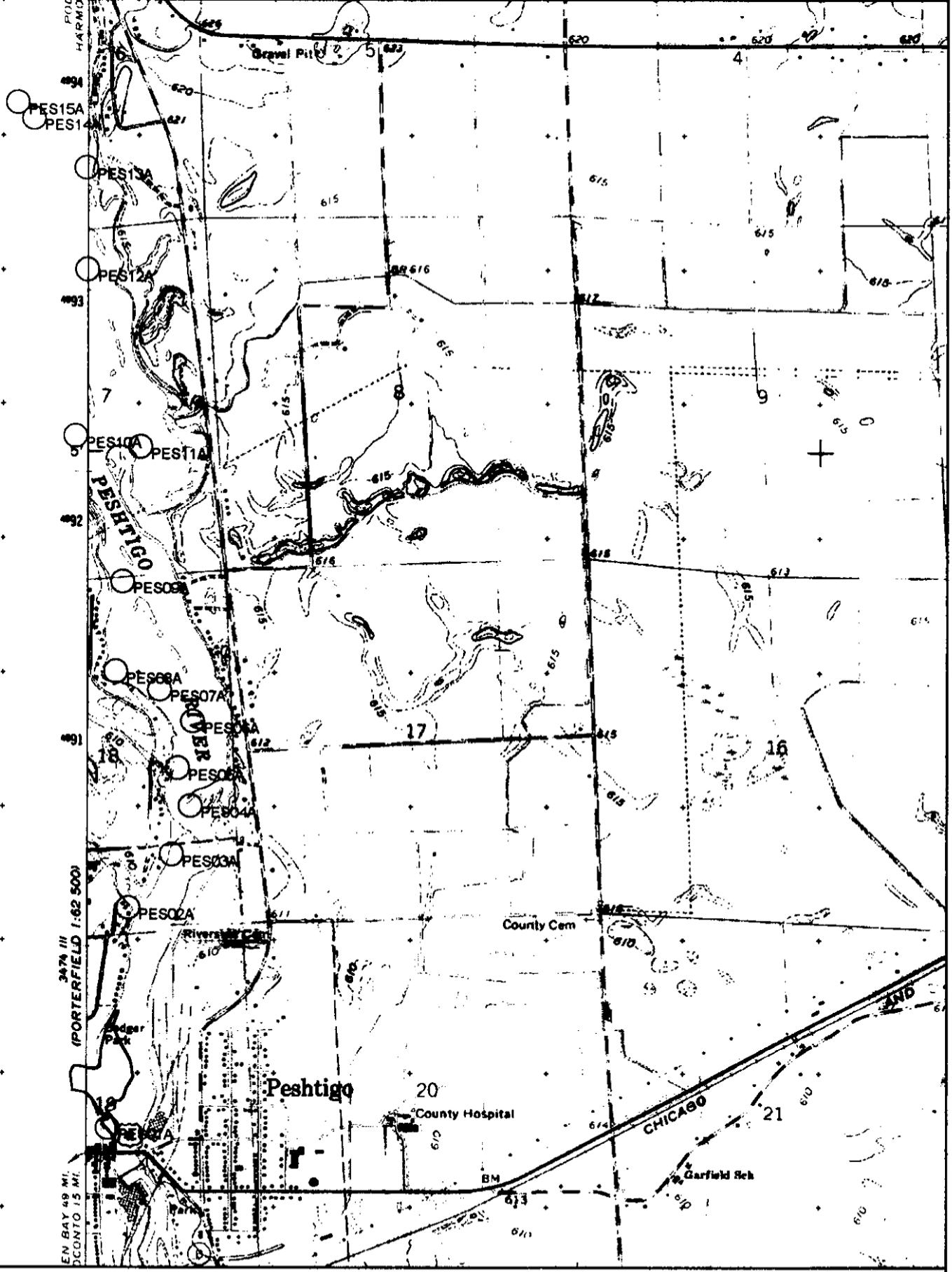
Eurasian Milfoil Mat Density					
Peshtigo			9/29/99		
					Origin
					(degrees north, minutes)
Transect	0-0.5 Meters	0.5-1.5 Meters	1.5-3.0 Meters	>3.0 Meters	(degrees west, minutes)
1A	2	NA	NA	NA	45 03.332
1B	2	NA	NA	NA	87 44.925
1C	3	NA	NA	NA	
2A	1	NA	NA	NA	45 03.880
2B	1	NA	NA	NA	87 44.855
2C	1	NA	NA	NA	
3A	0	NA	NA	NA	45 04.010
3B	1	NA	NA	NA	87 44.708
3C	1	NA	NA	NA	
4A	1	NA	NA	NA	45 04.129
4B	0	NA	NA	NA	87 44.643
4C	1	NA	NA	NA	
5A	0	NA	NA	NA	45 04.223
5B	0	0	NA	NA	87 44.687
5C	0	0	NA	NA	
6A	0	0	NA	NA	45 04.338
6B	0	0	NA	NA	87 44.634
6C	0	0	NA	NA	
7A	3	0	NA	NA	45 04.416
7B	0	0	NA	NA	87 44.748
7C	0	0	NA	NA	
8A	0	NA	NA	NA	45 04.461
8B	0	NA	NA	NA	87 44.900
8C	0	NA	NA	NA	
9A	0	NA	NA	NA	45 04.681
9B	0	NA	NA	NA	87 44.877
9C	0	NA	NA	NA	
10A	0	NA	NA	NA	45 05.038
10B	0	NA	NA	NA	87 45.039
10C	0	NA	NA	NA	
11A	0	NA	NA	NA	45 05.013
11B	0	NA	NA	NA	87 44.817
11C	0	NA	NA	NA	
12A	0	NA	NA	NA	45 05.450
12B	0	NA	NA	NA	87 44.998
12C	0	NA	NA	NA	
13A	0	NA	NA	NA	45 05.699
13B	0	NA	NA	NA	87 45.002
13C	0	NA	NA	NA	
14A	0	NA	NA	NA	45 05.822
14B	0	NA	NA	NA	87 45.184
14C	0	NA	NA	NA	
15A	0	NA	NA	NA	45 05.861
15B	0	NA	NA	NA	87 45.239
15C	0	NA	NA	NA	
All transects are 40 feet in length and proceed in an easterly direction from their origin.					
Only transects with abundance of 3 are identified as colonies.					
Mat Density Scale					
0-None					
1-Low					
2-Medium					
3-High					

Peshtigo Flowage			
Survey Date:			
9/29/99			
Only transects with abundance of 3 are identified as colonies.			
Transect/Colony Number	Perimeter (feet)		Area (acres)
1	5480		14.83



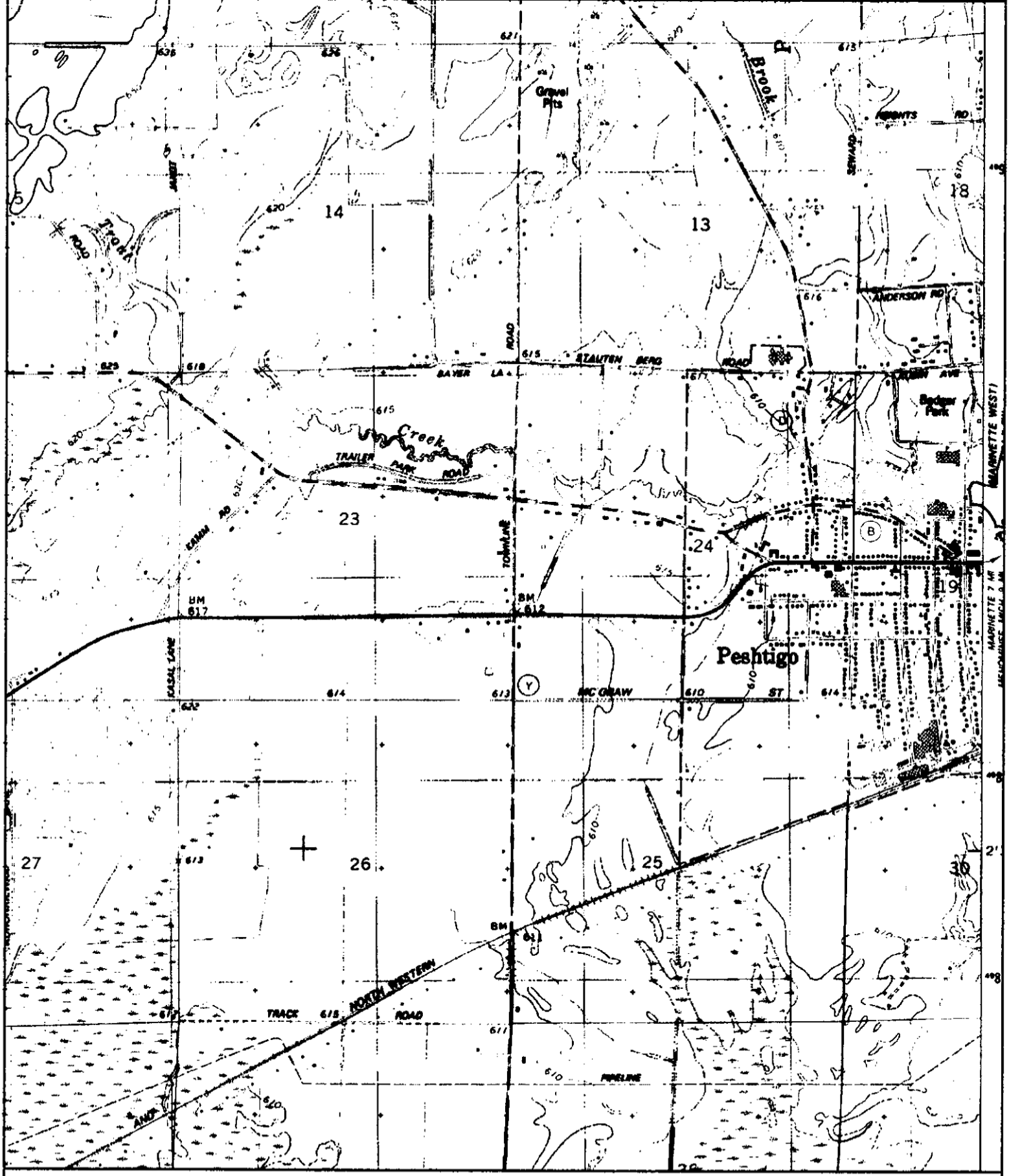
Name: HARMONY
Date: 10/22/99
Scale: 1 inch equals 2000 feet

Location: 045° 05' 52.7" N 087° 46' 17.2" W
Caption: Peshtigo Eurasian Milfoil Survey 1999



Name: MARINETTE WEST
Date: 10/22/99
Scale: 1 inch equals 2000 feet

Location: 045° 04' 32.9" N 087° 43' 54.3" W
Caption: Peshtigo Eurasian Milfoil Survey 1999



Name: HARMONY
Date: 10/22/99
Scale: 1 inch equals 2000 feet

Location: 045° 03' 12.0" N 087° 46' 45.5" W
Caption: Peshtigo Eurasian Milfoil Survey 1999

Appendix 3

Zebra Mussel Monitoring Data

ATTACHMENT B

WISCONSIN PUBLIC SERVICE CORPORATION
ZEBRA MUSSEL INSPECTION SUMMARY REPORT
PESHTIGO RIVER HYDROELECTRIC PROJECTS

YEAR: 1999

Caldron Falls
Monthly Inspection Results: None Identified - Forms are on file

Drawdown During Calendar Year?
☒ Yes ☐ No Results: Survey was not conducted for spring drawdown

High Falls
Monthly Inspection Results: None Identified - Forms are on file

Drawdown During Calendar Year?
☐ Yes ☒ No Results:

Johnson Falls
Monthly Inspection Results: None Identified - Forms are on file

Drawdown During Calendar Year?
☒ Yes ☐ No Results: None Identified during 2' drawdown in september

Sandstone Falls
Monthly Inspection Results: None Identified - Forms are on file

Drawdown During Calendar Year?
☐ Yes ☒ No Results:

Potato Rapids
Monthly Inspection Results: None Identified - Forms are on file

Drawdown During Calendar Year?
☐ Yes ☒ No Results:

Peshtigo

Monthly Inspection Results: None Identified

Drawdown During Calendar Year?

☐ Yes ☒ No Results:

☐ Mr. Tom Thuemler
WDNR
101 N. Ogden Road

Peshtigo, WI 54157

☐ Mr. Jim Fossum
US Fish & Wildlife Service
1015 Challenger Court

Green Bay, WI 54311

☐ Mr. Cliff Kraft
UW - Green Bay
UW - Sea Grant
ES105
2420 Nicolet Drive
Green Bay, WI
54311-7001

Appendix 4

Documentation of Submittal of Results

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
700 North Adams Street
P.O. Box 19002
Green Bay, WI 54307-9002

October 22, 1999

Mr. Tom Thuemler
Department of Natural Resources
101 N. Ogden Road
Peshtigo, WI 54157

Dear Mr. Thuemler:

As per the order approving the Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project No. 2595), Johnson Falls Project (FERC Project No. 2522), Sandstone Rapids Project (FERC Project No. 2546), the Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the annual survey results for purple loosestrife and zebra mussels, along with the first year of monitoring for eurasian milfoil.

The presence of purple loosestrife was identified at the Peshtigo Hydroelectric Project. All other projects did not contain purple loosestrife. A map indicating the location and number of plants in the colonies is available in Appendix 1.

The presence of eurasian milfoil was identified at the High Falls Hydroelectric Project, the Johnson Falls Hydroelectric Project, the Sandstone Rapids Hydroelectric Project, and the Peshtigo Hydroelectric Project. Eurasian milfoil was not identified at the Caldron Falls or Potato Rapids Hydroelectric Project. Maps indicating the locations of the survey transects for all six projects, along with the perimeter and area of each identified colony are available in Appendix 2.

Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for all projects for the months of May through September, along with an inspection of the dam structure at Johnson Falls during the two foot drawdown in September. The presence of zebra mussels were not identified at any of the six projects during the 1999 inspections. A summary copy of the results has been included in Appendix 3.

If you have any questions, please do not hesitate to call me.

Sincerely,

Shawn C. Puzen
Environmental Analyst
Telephone: (920) 433-1094

vav

Enclosure

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
700 North Adams Street
P.O. Box 19002
Green Bay, WI 54307-9002

October 22, 1999

Mr. Jim Fossum
U. S. Fish and Wildlife Service
1015 Challenger Court
Green Bay, WI 54311

Dear Mr. Fossum:

As per the order approving the Comprehensive Land and Wildlife Management Plan for the Caldron Falls Project (FERC Project No. 2525), High Falls Project (FERC Project No. 2595), Johnson Falls Project (FERC Project No. 2522), Sandstone Rapids Project (FERC Project No. 2546), the Potato Rapids Project (FERC Project No. 2560) and the Peshtigo Project (FERC Project No. 2581) issued on August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the annual survey results for purple loosestrife and zebra mussels, along with the first year of monitoring for eurasian milfoil.

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If you have any questions, please do not hesitate to call me.

Sincerely,

Shawn C. Puzen
Environmental Analyst
Telephone: (920) 433-1094

vav

Enclosure

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
700 North Adams Street
P.O. Box 19002
Green Bay, WI 54307-9002

October 22, 1999

Mr. Phil Moy
UW Manitowoc
705 Viebahn St.
Manitowoc, WI 54220

Dear Mr. Moy:

As per our telephone conversation, Wisconsin Public Service Corporation (WPSC) is submitting the annual survey results for purple loosestrife and zebra mussels, along with the first year of monitoring for eurasian milfoil.

The presence of purple loosestrife was identified at the Peshtigo Hydroelectric Project. All other projects did not contain purple loosestrife. A map indicating the location and number of plants in the colonies is available in Appendix 1.

The presence of eurasian milfoil was identified at the High Falls Hydroelectric Project, the Johnson Falls Hydroelectric Project, the Sandstone Rapids Hydroelectric Project, and the Peshtigo Hydroelectric Project. Eurasian milfoil was not identified at the Caldron Falls or Potato Rapids Hydroelectric Project. Maps indicating the locations of the survey transects for all six projects, along with the perimeter and area of each identified colony are available in Appendix 2.

Monthly inspections of substrate samplers for the presence of zebra mussels were conducted for all projects for the months of May through September, along with an inspection of the dam structure at Johnson Falls during the two foot drawdown in September. The presence of zebra mussels were not identified at any of the six projects during the 1999 inspections. A summary copy of the results has been included in Appendix 3.

If you have any questions, please do not hesitate to call me.

Sincerely,

Shawn C. Puzen
Environmental Analyst
Telephone: (920) 433-1094

vav

Enclosure