

ORIGINAL

CORICE OF THE SECRETARY

02 SEP 30 AM 11: 24

September 24, 2002 RECULATORY COMMISSION

Wisconsin Public Service Corporation

(a subsidiary of WPS Resources Corporation) 700 North Adams Street

P.O. Box 19002

Green Bay, Wi 54307-9002

FERC Project No.: 2525, 2595, 2522, 2546, 2560 & 2581

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

Dear Secretary Salas:

Caldron Falls, High Falls, Johnson Falls, Sandstone Rapids, Potato Rapids, and Peshtigo Hydroelectric Projects

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 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 August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife, Eurasian watermilfoil, and zebra mussels.

All of the above-mentioned projects were surveyed for purple loosestrife in July or August of 2002. The presence of purple loosestrife was only identified at the Peshtigo Project where there is a history of occurrence. A map indicating the location and colony size is located in Appendix 1.

Eurasian watermilfoil was found on Caldron Falls, Johnson Falls, Sandstone Rapids, and Peshtigo. For Johnson Falls, Sandstone Rapids, and Peshtigo there was a decrease in population. Out of all of the aquatic macrophyte samples that had Eurasian watermilfoil present, none were identified as having a high relative abundance. There was no evidence of Eurasian watermilfoil found on High Falls or Potato Rapids. A summary of results has been included in Appendix 2.

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 2002 inspections. A summary of the results has been included in Appendix 3.

The results from the purple loosestrife and Eurasian watermilfoil surveys, and the zebra mussel monitoring have also been sent to the Wisconsin Department of Natural

Ms. Magalie Roman Salas, Secretary September 24, 2002 Page 2

Resources, the U.S. Fish & Wildlife Service, and the Sea Grant Institute. Documentation of the submittal of these results can be found in Appendix 4.

If you have any questions, please do not hesitate to call Rick Moser at (920) 433-2290.

Sincerely,

David W. Harpole

Vice President - Energy Supply Telephone: (920) 433-1264

David W Hayrole

rjm

Enclosures

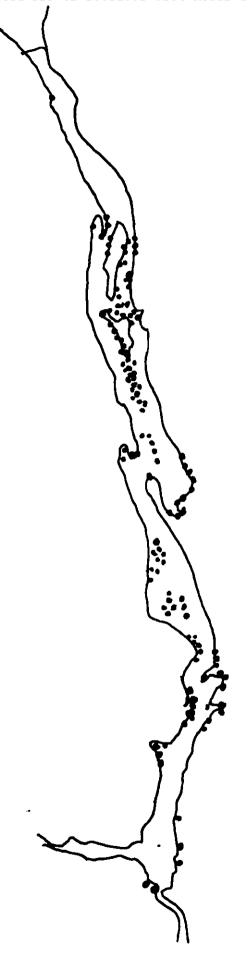
cc: Ms. Peggy Harding, FERC - Chicago

Mr. Gil Snyder, WPSC - D2 Ms. Joan Johanek, WPSC - D2

Mr. Randy Oswald, WPSC - A2

Mr. Bruce Crocker, WPSC - CRI

Appendix 1



2002 PESHTIGO PURPLE LOOSESTRIFE COLONIES

- I-5
- 6-50
- 50+

Appendix 2

Caldron Falls
2002 Eurasian Milfoil Survey Results

					Origin
					(degrees north, minutes)
SITE	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	>3.0 M	(degrees west, minutes)
1A	0	0	0	NA	45 21.801
18	0	0	0	NA	88 14.519
1C	0	0	NA	NA	
2A	0	0	0	NA	45 21.794
28	0	0	0	NA	88 14.843
2C	. 0	0	0	NA	
3A	0	0	0	NA	45 21.472
3B	0	0	0	NA	88 15.140
3C	0	0	0	NA	
4A	0	0	0	0	45 21.404
4 B	0	0	0	0	88 15.724
4C	0	0	0	0	
5A	0	0	0	NA	45 21.611
58	0	0	0	NA	88 16.107
5C	0	0	0	NA	
6A	0	0	0	0	45 21.688
6B	0	0	0	0	88 17.048
6C	0	0	0	0	
7A	0	0	0	NA	45 21.755
7B	0	0	0	NA	88 17.140
7C	0	0	0	NA	
8A	0	0	0	0	45 22.240
88	0	0	0	0	88 17.52
8C	0	0	0	0	
9A	0	0	0	0	45 22.524
9B	0	0	0	0	88 18.254
9C	0	0	0	0	
10A	0	0	0	NA	45 21.882
10B	0	0	0	NA	88 18.284
10C	0	0	0	NA	
11A	0	0	0	NA	45 21.993
11B	0	0	0	NA	88 18.235
11C	0	0	0	NA	
12A	0	0	0	NA	45 21.809
128	0	0	0	NA	88 17.334
12C	0	0	0	NA	
13A	0	0	0	0	45 21.079
138	0	0	0	0	88 14.255
13C	0	0	0	0	
14A	1	0	0	0	45 20.771
14B	_ 1	2 2	2	2	88 14.993
14C	1		1	1	
15A	0	0	0	NA	45 20.726
15B	0	0	0	NA	88 15.494
15C	0	0	0	NA	

All transects are 40 feet in length and proceed in an easterly direction from their origin Relative Abundance Scale

0 - None 2-Medium

1-Low 3-High

High Falls 2002 Eurasian Milfoil Survey Results

Origin		
(degrees	north,	minutes)

						(cegrees north, minutes)	
	SITE	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	>3.0 M	(degrees west, minutes)	
-	1A	Ö	0	0	NA	45 17.211	•
	1B	Ö	Ō	Ō	NA	88 11.662	
	1C	Ŏ	Ö	Ö	NA		
	2A	Ŏ	Õ	Ö	NA	45 17.259	
	2B	Ö	ŏ	ő	NA NA	88 11.723	
	2C		Ö	Ŏ	NA.	00 11.720	
		0	0	0	0	45 17.542	
	3A	0					
	3B	0	0	0	0	88 11.164	
	3C	0	0	0	0	42 46 24 4	
	4A	0	0	0	0	45 18.514	
	48	0	0	0	0	88 11.949	
	4C	0	0	0	0		
	5A	0	0	0	NA	45 18.514	
	58	0	0	0	NA	88 11.949	
	5C	0	0	0	NA		
	6A	0	0	0	0	45 17.763	
	68	0	0	0	0	88 12.407	
	6C	0	0	0	0		
	7A	0	0	0	0	45 17.763	
	78	0	0	0	0	88 12.407	
	7C	0	0	0	0		
	8A	0	0	0	NA	45 18.921	
	88	0	0	0	NA	88 10.857	
	8C	0	0	0	NA		
	9A	0	0	0	0	45 18.921	
	9B	Ö	0	0	0	88 11.349	
	9C	Ō	0	0	0		
	10A	Ō	0	0	0	45 19.833	
	10B	Ö	Ö	Ō	0	88 10.857	
	10C	Ö	0	Ō	Ō		
	11A	ŏ	Ö	Ö	NA	45 19.833	
	11B	Ō	Ō	0	NA	88 10.983	
	11C	Ö	Ō	0	NA		
	12A	Ö	Ö	Ö	0	45 20.107	
	128	Ŏ	Ö	Ö	Õ	88 11.003	
	12C	Õ	Ö	Ö	Ō		
	13A	Ö	Ö	Ŏ	Ö	45 20.450	
	138	0	0	Ö	ŏ	88 11.065	
	13C	_	Ö	Ö	NA.	00 11.900	
	13C	. 0	NA NA	NA NA	NA	45 20.762	
		_ 0	NA NA	NA NA	NA NA		
	14B	- 0				88 11.606	
	14C	0	NA C	NA O	NA C	45 20.002	
	15A	0	0	0	0		
	15B	0	0	0	0	88 11.275	
	15C	0	0	0	0		

All transects are 40 feet in length and proceed in an easterly direction from their origin. Relative Abundance Scale

0 - None 2 - Medium

Johnson Falls 2002 Eurasian Milfoil Survey Results

Origin (degrees north, minutes)

SITE	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	>3.0 M	(degrees west, minutes)
1A	0	0	0	NA	45 16.149
1B	0	0	0	NA	88 11.134
1C	0	0	0	0	
2A	0	0	ŅA	NA	45 16.295
2B	0	0	NA	NA	88 11.205
2C	0	0	NA	NA	
3A	0	0	NA	NA	45 16.392
3B	0	0	NA	NA	88 11.508
3C	0	0	NA	NA	
4 A	0	0	NA	NA	45 16.535
48	O	0	NA	NA	88 11.584
4C	0	0	NA	NA	
5A	0	0	NA	NA	45 16.498
5B	0	0	NA	NA	88 11.498
5C	0	0	NA	NA	
6A	0	0	NA	NA	45 16.161
6B	0	0	NA	NA	88 11.074
6C	1	0	NA	NA	
7A	0	0	NA	NA	45 16.095
7B	0	0	NA	NA	88 10.972
7C	0	0	NA	NA	
8A	0	0	0	0	45 16.107
8B	0	0	0	0	88 10.588
8C	0	0	0	0	
9A	0	0	0	0	45 16.091
9B	0	0	0	0	88 10.317
9C	0	0	0	0	
10A	0	0	0	NA	45 16.131
10B	0	0	0	NA	88 10.141
10C	0	0	0	NA	
11A	0	0	0	0	45 16.181
11B	0	0	0	0	88 09.644
11C	0	0	0	0	
12A	0	0	0	NA	45 15.210
128	0	0	0	NA	88 09.644
12C	0	0	0	NA	
13A	0	0	0	NA	45 16.614
13B	0	0	0 .	NA	88 09.514
13C	0	0	0	NA	45.40.505
14A	. 0	0	0	NA	45 16.717
14B	- 0	0	0	NA	88 09.681
14C	0	0	0	NA	
15A	0	0	0	NA	45 18.221
15B	0	0	0	NA	88 10.108
15C	0	0	0	NA	

All transects are 40 feet in length and proceed in an easterly direction from their origin Relative Abundance Scale

0 - None 2 - Medium

Sandstone Rapids 2002 Eurasian Milfoil Survey Results

Origin

(degrees north, minutes)

					(degrees notes, miniates)
SITE	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	>3.0 M	(degrees west, minutes)
1A	0	0	0	0	45 13.660
18	Q	0	0	0	88 04.711
1C	0	0	0	0	
2A	0	0	0	NA	45 13.695
2B	Ō	0	0	NA	88 04.898
2C	Ö	Ō	Ō	NA	37 3 11333
3A	ŏ	ō	Ŏ	NA	45 13.709
38	ŏ	ŏ	Ö	NA	88 04.794
3C	0	Ö	0	NA NA	W V4.764
		Ö		NA	45 13.663
4A	0		0		
4B	0	0	0	NA	88 04.595
4C	0	0	0	NA	
5 A	0	0	0	NA	45 13.680
5B	0	0	0	NA	88 04.595
5C	0	0	0	NA	
6A	0	0	0	0	45 13.807
6 B	0	0	0	0	88 04.223
6C	0	0	0	0	
7A	Ö	0	0	NA	45 13.807
7B	Ō	0	0	NA	88 04.223
7C	Ō	0	Ō	0	
8A	Ŏ	Ö	Ö	NA	45 13.924
8B	Ŏ	2	2	NA	88 04.014
8C	Ö	Ō	1	NA NA	00 04.014
		0	1	NA	45 13.818
9A	0				
98	0	1	1	NA	88 04.415
9 C	0	1	0	NA	45.40.55.4
10A	0	0	0	NA	45 13.584
10B	0	0	0	NA	88 05.106
10C	0	0	0	NA	
11A	O	0	0	NA	45 13.403
118	0	0	0	NA	88 05.430
11C	0	0	0	NA	
12A	0	0	0	NA	45 13.355
12B	0	0	0	NA	88 05.592
12C	0	0	0	NA	
13A	Ö	0	NA	NA	45 13.289
13B	Ō	0	NA	NA	88 05.592
13C	. 0	Õ	NA	NA	
14A	- 0	Ö	NA NA	NA	45 13.280
148	0	0	NA NA	NA.	88 06.060
			NA NA	NA NA	V- V
14C	0	0	NA NA	NA NA	4E 49 849
15A	0	0			45 13.612
15B	0	2	NA	NA NA	88 05.141
15C	0	0	NA	NA	on firm which and also

All transects are 40 feet in length and proceed in an easterly direction from their origin. Relative Abundance Scale

0 - None 2 - Medium

Potato Rapids
2002 Eurasian Milfoil Survey Results

Origin

(degrees north, minutes)

SITE						(cediage noin; uniname)
1A 0 0 0 0 NA 45 08.041 1B 0 0 0 0 NA 87 45.086 1C 0 0 0 0 NA 87 45.086 1C 0 0 0 NA 87 45.086 1C 0 0 0 NA 45 08.040 2B 0 0 0 NA 45 08.040 2B 0 0 0 NA 45 08.182 3B 0 0 NA 45 08.182 3B 0 0 NA 45 08.182 3B 0 0 NA 45 08.223 4B 0 0 NA 88 45.041 4C 0 0 NA NA 45 08.421 5B 0 NA NA NA 45 08.421 5B 0 NA NA NA 45 08.427 5C 0 NA NA NA 88 45.854 5C 0 NA NA NA 88 45.854 6C 0 NA NA NA 88 45.854 6C 0 NA NA NA NA 88 45.356 6C 0 NA NA NA NA NA 88 45.336 6C 0 NA	SITE	0 - 0.5 M	0.5 - 1.5 M	1.5 - 3.0 M	>3.0 M	(degrees west, minutes)
1B 0 0 0 0 NA 87 45.066 1C 0 0 0 NA 85 08.040 2A 0 0 0 0 NA 45 08.040 2B 0 0 0 NA 45 08.040 2C 0 0 0 NA 88 45.170 2C 0 0 NA 45 08.182 3B 0 0 0 NA 45 08.182 3B 0 0 0 NA 45 08.223 4B 0 0 0 NA 45 08.223 4B 0 0 0 NA 88 45.001 4C 0 0 NA 88 45.041 4C 0 0 NA NA NA 88 45.854 5C 0 NA NA NA NA 88 45.854 5C 0 NA				0	NA	45 08.041
1C 0 0 0 0 NA 45 08.040 2B 0 0 0 0 NA 45 08.040 2B 0 0 0 0 NA 88 45.170 2C 0 0 0 NA 88 45.170 3C 0 0 0 NA 88 45.100 3C 0 0 0 NA 88 45.100 3C 0 0 0 NA 88 45.100 3C 0 0 0 NA 88 45.041 4A 0 0 0 0 NA 88 45.041 4C 0 0 0 NA						87 45.068
2A 0 0 0 0 NA 45 08.040 2B 0 0 0 0 NA 88 45.170 2C 0 0 0 0 NA 88 45.170 3A 0 0 0 0 NA 88 45.100 3C 0 0 NA 88 45.041 4C 0 0 0 NA NA NA 88 45.041 5B 0 0 NA NA NA 88 45.654 5C 0 0 NA						
2B						45 08.040
2C						
3A 0 0 0 0 NA 45 08.182 3B 0 0 0 0 NA 88 45.100 3C 0 0 0 0 NA 88 45.100 3C 0 0 0 0 NA 88 45.100 3C 0 0 0 NA 88 45.041 4C 0 0 0 NA NA 88 45.041 4C 0 0 0 NA NA 88 45.854 5C 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA NA 88 46.036 6C 0 NA NA NA NA NA NA 7A 0 0 0 0 NA 88 46.036 6C 0 NA						00 10.111
3B 0 0 0 0 NA 88 45.100 3C 0 0 0 0 NA 45 08.223 4B 0 0 0 0 NA 45 08.223 4B 0 0 0 NA 88 45.041 4C 0 0 0 NA NA 88 45.041 5A 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA 88 45.036 6C 0 NA			•			45 NR 189
3C 0 0 0 0 NA 45 08.223 4B 0 0 0 0 NA 88 45.041 4C 0 0 0 NA NA 45 08.421 5B 0 0 NA NA NA 85 45.854 5C 0 0 NA NA NA NA 85 45.854 5C 0 0 NA NA NA NA 88 45.854 6B 0 0 NA						
4A 0 0 0 0 NA 45 08.223 4B 0 0 0 0 NA 88 45.041 4C 0 0 0 NA 88 45.041 5A 0 0 NA NA NA 45 08.421 5B 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA 88 45.866 6C 0 NA						80 40.100
48 0 0 0 0 NA 88 45.041 4C 0 0 0 NA NA 88 45.041 5A 0 0 NA NA NA 45 08.421 5B 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA 88 45.857 6B 0 0 NA NA NA NA 45 08.497 6B 0 0 0 NA NA NA NA 84 60.36 6C 0 NA						45.00.000
4C 0 0 0 NA NA 45 08.421 5B 0 0 NA NA NA 45 08.421 5B 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA NA 88 45.854 6C 0 NA NA NA NA NA 88 46.036 6C 0 NA						
5A 0 0 NA NA 45 08.421 5B 0 0 NA NA 88 45.854 5C 0 0 NA NA NA 88 45.854 6B 0 0 NA NA NA 45 08.497 88 46.036 6C 0 NA N						88 45.041
5B 0 0 NA NA NA 88 45.854 5C 0 0 NA NA NA NA NA 45 08.497 6B 0 0 0 NA NA NA NA NA 45 08.497 6C 0 NA NA NA NA NA 7A 0 0 0 0 0 45 08.546 7B 0 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 NA 45 08.996 8B 0 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.351 9C 0 0 NA NA NA NA NA 45 07.745 11B 0 0 0 NA						
5C 0 0 NA NA NA NA NA 45 08.497 6B 0 0 0 0 NA 88 46.036 6C 0 NA						
8A 0 NA NA NA 45 08.497 6B 0 0 0 NA NA NA 88 46.036 6C 0 NA NA NA NA 7A 0 0 0 0 0 45 08.546 7B 0 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 NA 45 08.096 8B 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.255 8C 0 0 NA 88 45.351 9C 0 0 NA NA NA NA 88 45.329 10A 0 0 NA NA NA NA NA NA NA NA 88 45.258 11C 0 0 NA 88 45.258 12C 0 0 NA NA 88 45.258 13B 0 0 NA NA 88 45.258 13C 0 NA NA NA NA NA 45 07.572 12B 0 0 NA NA NA 88 45.258 13C 0 NA NA NA NA 88 45.2291 13C 0 NA	5B					88 45.854
6B 0 0 0 NA	5 C	0	0			
8C 0 NA	6A	0	NA			
7A 0 0 0 0 0 45 08.546 7B 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6B	0	0	0		88 46.036
7A 0 0 0 0 0 0 45 08.546 7B 0 0 0 0 0 0 88 45.236 7C 0 0 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 NA 45 08.096 8B 0 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.351 9C 0 0 0 NA NA 88 45.351 9C 0 0 NA NA NA 88 45.329 10C 0 0 NA NA NA NA 88 45.306 11B 0 0 NA NA NA 88 45.306 11C 0 0 NA 88 45.258 12C 0 0 NA NA 88 45.258 12C 0 0 NA NA 88 45.258 13A 0 0 0 NA 88 45.2291 13C 0 0 NA NA NA 88 45.2291 13C 0 0 NA NA NA 88 45.2291 13C 0 0 NA NA NA 88 45.494 14B 0 0 NA	6C	0	NA	NA	NA	
7B 0 0 0 0 0 0 88 46.236 7C 0 0 0 0 0 0 0 8A 0 0 0 0 NA 45 08.096 8B 0 0 0 0 NA 88 45.255 8C 0 0 0 NA 45 08.071 9B 0 0 0 NA 88 45.351 9C 0 0 0 NA NA NA 88 45.329 10C 0 0 NA NA NA 88 45.306 11C 0 0 NA 88 45.306 11C 0 0 NA 88 45.306 11C 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 13C 0 0 NA NA 88 45.2291 13C 0 0 NA NA NA 88 45.2291 13C 0 NA NA NA NA 88 45.2291 13C 0 NA NA NA NA 88 45.2291 13C 0 NA NA NA NA NA NA 88 45.2291 13C 0 NA		0	0	0	0	45 08.546
7C 0		0	0	0	0	88 46.236
8A 0 0 0 0 NA 45 08.096 8B 0 0 0 0 NA 88 45.255 8C 0 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.255 8C 0 0 0 NA 88 45.351 9B 0 0 0 NA 88 45.351 9C 0 0 NA NA 88 45.329 10A 0 0 NA NA NA 88 45.329 10C 0 NA NA NA 11A 0 0 NA 88 45.306 11C 0 0 NA 88 45.306 11C 0 0 NA 88 45.258 12C 0 0 NA NA 88 45.258 12C 0 0 NA NA 88 45.258 12C 0 0 NA NA 88 45.258 13B 0 0 0 NA 88 45.2291 13C 0 0 NA NA 88 45.2291 13C 0 NA		0	0	C	0	
8B 0 0 0 0 NA 88 45.255 8C 0 0 0 0 NA 88 45.255 8C 0 0 0 0 NA 88 45.255 9B 0 0 0 0 NA 88 45.351 9C 0 0 0 NA NA NA 45 07.890 10A 0 0 NA NA NA 88 45.329 10C 0 0 NA NA NA NA 11A 0 0 NA 88 45.306 11C 0 0 NA 88 45.306 11C 0 0 NA 88 45.306 11C 0 0 NA 88 45.258 12C 0 0 NA NA 88 45.258 12C 0 0 NA NA 88 45.2291 13C 0 0 NA NA 88 45.2291 13C 0 NA			0	0	NA	45 08.096
8C 0 0 0 0 NA 9A 0 0 0 0 NA 45 08.071 9B 0 0 0 0 NA 88 45.351 9C 0 0 0 NA NA NA 45 07.890 10A 0 0 NA NA NA 88 45.329 10C 0 0 NA					NA	88 45.255
9A 0 0 0 0 NA 45 08.071 9B 0 0 0 0 NA 88 45.351 9C 0 0 0 NA NA NA 45 07.890 10A 0 0 NA NA NA 88 45.329 10C 0 0 NA					NA	
9B 0 0 0 0 NA 88 45.351 9C 0 0 0 NA NA NA 45 07.890 10B 0 0 NA NA NA 88 45.329 10C 0 0 NA NA NA NA 11A 0 0 0 NA NA NA 88 45.308 11B 0 0 0 NA 88 45.308 11C 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 13B 0 0 0 NA 88 45.2291 13C 0 0 NA 88 45.2291 13C 0 NA NA NA NA 88 45.494 14B 0 0 NA NA NA NA NA NA 88 45.494 14C 0 NA					NA	45 08.071
9C 0 0 0 NA NA NA 45 07.890 10B 0 0 NA NA NA 88 45.329 10C 0 0 NA NA NA NA 11A 0 0 0 NA 88 45.306 11C 0 0 0 NA 88 45.306 11C 0 0 0 NA 45 07.572 12B 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 13B 0 0 NA 88 45.2291 13C 0 0 NA 88 45.2291 13C 0 NA 88 45.2291 13C 0 NA NA 88 45.494 14A 0 NA NA NA 88 45.494 14C 0 NA						88 45.351
10A 0 0 NA NA 45 07.890 10B 0 0 NA NA 88 45.329 10C 0 0 NA NA NA 11A 0 0 0 NA 88 45.306 11C 0 0 NA 88 45.306 11C 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 13A 0 0 NA 88 45.2291 13A 0 0 NA 88 45.2291 13C 0 0 NA 88 45.2291 13C 0 NA NA 88 45.2291 13C 0 NA NA 88 45.2291 13C 0 NA NA NA 88 45.494 14C 0 NA						
10B 0 0 NA NA 88 45.329 10C 0 0 NA NA NA 11A 0 0 0 NA NA 45 07.745 11B 0 0 0 NA 88 45.306 11C 0 0 0 NA 45 07.572 12B 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 13B 0 0 NA 88 45.2291 13C 0 0 NA 88 45.2291 13C 0 NA NA 88 45.2291 13C 0 NA NA 88 45.494 14A 0 NA NA NA 88 45.494 14C 0 NA						45 07.890
10C 0 0 0 NA NA NA 11A 0 0 0 NA 45 07.745 11B 0 0 0 0 NA 88 45.306 11C 0 0 0 NA 45 07.572 12B 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 13B 0 0 NA 88 45.2291 13C 0 0 NA 88 45.2291 13C 0 NA NA 88 45.2291 13C 0 NA NA 88 45.494 14A 0 NA NA 88 45.494 14C 0 NA NA NA NA 15A 07.688 15B 0 0 NA NA 88 45.310						
11A 0 0 0 NA 45 07.745 11B 0 0 0 NA 88 45.306 11C 0 0 0 NA 45 07.572 12B 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 NA 88 45.258 13B 0 0 NA 88 45.2291 13C 0 0 NA 88 45.2291 13C 0 NA NA 88 45.2291 14A 0 NA NA 88 45.494 14C 0 NA NA NA 88 45.494 14C 0 NA						
11B 0 0 0 NA 88 45.306 11C 0 0 0 NA 45 07.572 12B 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 12C 0 0 NA NA 45 07.456 13B 0 0 NA 88 45.2291 13C 0 0 NA NA 88 45.2291 13C 0 NA NA NA 88 45.494 14A 0 NA NA NA 88 45.494 14C 0 NA NA NA NA 88 45.494 15A 0 0 NA NA NA NA 88 45.310						45 07.745
11C 0 0 0 0 NA 1507.572 12B 0 0 0 0 NA 88 45.258 12C 0 0 0 NA 88 45.258 13A 0 0 0 NA 45 07.456 13B 0 0 NA 88 45.2291 13C 0 0 NA NA 88 45.2291 13C 0 NA NA NA NA 45 07.198 14B 0 0 NA NA NA 88 45.494 14C 0 NA						
12A 0 0 0 NA 45 07.572 12B 0 0 0 NA 88 45.258 12C 0 0 0 NA NA 45 07.456 13A 0 0 0 NA 88 45.2291 13C 0 0 NA NA 88 45.2291 13C 0 0 NA NA NA NA 45 07.198 14B 0 0 NA NA NA 88 45.494 14C 0 0 NA						
12B 0 0 0 NA 88 45.258 12C 0 0 0 NA 13A 0 0 0 NA 45 07.456 13B 0 0 0 NA 88 45.2291 13C 0 0 NA NA 14A 0 0 NA NA NA 45 07.198 14B 0 0 NA NA NA 88 45.494 14C 0 0 NA NA 15A 0 0 NA NA NA 45 07.688 15B 0 0 NA 88 45.310						45 07 572
12C 0 0 0 NA 13A 0 0 0 NA 45 07.458 13B 0 0 0 NA 88 45.2291 13C 0 0 NA NA NA 145 07.198 14B 0 0 NA NA NA NA 88 45.494 14C 0 NA						
13A 0 0 0 NA 45 07.458 13B 0 0 0 NA 88 45.2291 13C 0 0 0 NA NA 145 07.198 14A 0 0 NA NA 88 45.494 14C 0 0 NA NA NA 15 07.688 15B 0 0 NA NA 88 45.310						00 43,230
13B 0 0 0 NA 88 45.2291 13C 0 0 0 NA 14A 0 0 NA NA 45 07.198 14B 0 0 NA NA 88 45.494 14C 0 0 NA NA 15A 0 0 0 NA NA 15B 0 0 NA 88 45.310						AE O7 AER
13C 0 0 0 NA NA 145 07.198 14B 0 0 NA NA NA 88 45.494 14C 0 0 NA NA NA NA NA NA NA 15A 0 0 0 NA NA 15B 0 0 0 NA 88 45.310						
14A 0 0 NA NA 45 07.198 14B 0 0 NA NA 88 45.494 14C 0 0 NA NA 15A 0 0 0 NA 45 07.688 15B 0 0 0 NA 88 45.310						00 43.2291
14B 0 0 NA NA 88 45.494 14C 0 0 NA NA 15A 0 0 0 NA 45 07.688 15B 0 0 0 NA 88 45.310						45 07 400
14C 0 0 NA NA 15A 0 0 0 . NA 45 07.688 15B 0 0 0 NA 88 45.310		-				
15A 0 0 0 . NA 45 07.688 15B 0 0 0 NA 88 45.310						55 40.49 4
15B 0 0 0 NA 88 45.310						
105						
15C 0 0 0 NA	15B	0				88 45.310
	15C	0	0	0	NA	

All transects are 40 feet in length and proceed in an easterly direction from their origin

Relative Abundance Scale

0 - None 2 - Medium

Peshtigo 2002 Eurasian Milifoli Survey Results

Origin (degrees north, minutes) 0.5 - 1.5 M 1.5 - 3.0 M >3.0 M (degrees west, minutes) SITE 0 - 0.5 M 45 03.332 **1A** NA NA 1 NA NA 87 44.925 18 0 1 1 NA 1C 0 NA 45 03.880 0 NA **2**A 0 87 44.855 28 0 NA NA 0 2C 0 NA NA NA 45 04.010 **3A** 0 0 0 0 0 NA 87 44.708 3B 0 0 NA 0 3C 0 NA 45 04.129 0 0 NA 4A 0 NA **4B** 0 NA 87 44.643 0 0 NA NA 4C 0 0 NA 45 04.223 **5**A 0 NA 0 0 87 44.687 5B 0 5C 0 0 NA NA 0 NA 45 04.338 6A 0 0 0 87 44.634 6B 0 0 NA 0 0 NA 6C 0 45 04.416 0 0 0 **7A** 0 **7B** 0 0 0 0 87 44.748 7C 0 0 0 0 0 0 NA 45 04.461 88 0 0 0 NA 0 87 44.900 88 0 8C 0 0 NA 9A 0 0 0 NA 45 04.681 0 0 NA 87 44.877 98 0 9C 0 0 0 NA NA 45 05.038 0 0 10A 0 10B 0 0 0 NA 87 45.039 10C 0 0 NA 11A 0 0 NA 45 05.013 0 0 NA 0 87 44.817 11B 0 NA 11C 0 0 45 05.450 0 NA 12A 0 128 0 0 0 NA 87 44.998 0 NA 12C 0 0 45 05.699 0 0 NA 0 13A 0 87 45.002 13B NA 0 0 NA 13C 0 0 0 NA 45 05.822 14A 0 87 45.184 0 NA 14B 0 0 NA 14C 0 0 NA 45 05.861 15A 0 0 0 NA 87 45.239

All transects are 40 feet in length and proceed in an easterly direction from their origin Relative Abundance Scale

0

NA

0 - None 2 - Medium

1 - Low 3 - High

15B 15C

Appendix 3

ATTACHMENT A

ZEBRA MUSSEL INSPECTION RESULTS PESHTIGO RIVER HYDROELECTRIC PROJECTS

HYDRO NAME

✓ Caldron Falls□ High Falls	☐ Johnson Falls ☐ Sandstone Rapids	Potato RapidsPeshtigo
	•	
1	THLY INSPECTION	□ INSPECTION DURING DRAWDOWN
DATE: <u>5-14-02</u>		
COMMENTS/RESULTS:O	<u></u>	
		AN
INSPECTION TYPE: D MON	THLY INSPECTION	□ INSPECTION DURING DRAWDOWN
DATE: 6-13-2		•
COMMENTS/RESULTS: 0	10	
		NW
INSPECTION TYPE: # MON	THLY INSPECTION	□ INSPECTION DURING DRAWDOWN
DATE: 7-22 ?		
COMMENTS/RESULTS:	0 ½	
		MW
		V
INSPECTION TYPE: MON	THLY INSPECTION	□ INSPECTION DURING DRAWDOWN
DATE:		
COMMENTS/RESULTS:	<u> </u>	
		RW
		.,
INSPECTION TYPE: P MON	THLY INSPECTION	□ INSPECTION DURING DRAWDOWN
DATE:	~ !!	
COMMENTS/RESULTS:	0((
		pw

ATTACHMENT A

HYDRO NAN

High Falls Sandstone Rapids	□ Peshtigo
INSPECTION TYPE: D MONTHLY INSPECTION DATE: 3-15-02 COMMENTS/RESULTS: U K	INSPECTION DURING DRAWDOWN
	A l. i'.
	Neter 12
INSPECTION TYPE: D MONTHLY INSPECTION DATE: 5-13-02 COMMENTS/RESULTS:	INSPECTION DURING DRAWDOWN
	Note: 4
INSPECTION TYPE: 9 MONTHLY INSPECTION DATE: 4(4)02 COMMENTS/RESULTS: 0	□ INSPECTION DURING DRAWDOWN
	Mrs.
INSPECTION TYPE: # MONTHLY INSPECTION DATE:	□ INSPECTION DURING DRAWDOWN
	n. Veleza
INSPECTION TYPE: MONTHLY INSPECTION DATE: 413/2 COMMENTS/RESULTS: 00	□ INSPECTION DURING DRAWDOWN
	Rul

Hidu

DATE: 9-10-2 COMMENTS/RESULTS: COMMENTS/RESULTS:

UNOFITCIAL FERC-GENERALE PPF OF 20021002-0284 RECEIVED DE MONTAL PORTION DICKETH: P-2525-053 C

ATTACHMENT A

HYD	\mathbf{p}	N/A	м	T
nıv	KU	מארו	t v s	Ŀ

□ Caldron Falls ■ Johnson Falls □ High Falls □ Sandstone Rapids	Potato Rapids Peshtigo
NSPECTION TYPE: D MONTHLY INSPECTION DATE: 5 13 - 00	□ INSPECTION DURING DRAWDOWN
OMMENTS/RESULTS:	
	M+127.5
NSPECTION TYPE: MONTHLY INSPECTION DATE: 4/17/2	INSPECTION DURING DRAWDOWN
COMMENTS/RESULTS:	nwl_
INSPECTION TYPE: # MONTHLY INSPECTION DATE: _7 [14/2	INSPECTION DURING DRAWDOWN
COMMENTS/RESULTS:O L	
	of wal
INSPECTION TYPE: # MONTHLY INSPECTION DATE: ちっと- マ	□ INSPECTION DURING DRAWDOWN
COMMENTS/RESULTS:O(
	- Neul
INSPECTION TYPE: D MONTHLY INSPECTION	I INSPECTION DURING DRAWDOWN
DATE: 9-9-7 COMMENTS/RESULTS: OK	
	Bul
INSPECTION TYPE: MONTHLY INSPECTION DATE:	INSPECTION DURING DRAWDOWN
COMMENTS/RESULTS:	

ATTACHMENT A

HYD	RO	NA	ME	•
-----	----	----	----	---

☐ Caldron Falls ☐ Johnson Falls ☐ High Falls	□ Peshtigo
INSPECTION TYPE: # MONTHLY INSPECTION DATE: \$-16-02	
COMMENTS/RESULTS: NO ZPS/c.	Mussels
	Mo
INSPECTION TYPE: A MONTHLY INSPECTION DATE: 10-17-2 COMMENTS/RESULTS: 64	
	VV.
INSPECTION TYPE: # MONTHLY INSPECTION DATE: 7/23/2 COMMENTS/RESULTS: 0/C	
	pu
INSPECTION TYPE: MONTHLY INSPECTION DATE: 413 2 COMMENTS/RESULTS: 6(□ INSPECTION DURING DRAWDOWN
	pw pw
INSPECTION TYPE: F MONTHLY INSPECTION DATE: 9-10-2 COMMENTS/RESULTS:	INSPECTION DURING DRAWDOWN
INSPECTION TYPE: MONTHLY INSPECTION DATE:	□ INSPECTION DURING DRAWDOWN
COMMENTS/RESULTS:	

ATTACHMENT A

nı	DKO NAME				
0	Caldron Falls High Falls	0	Johnson Falls Sandstone Rapids	□	Potato Rapids Peshtigo
INS DA CO	INSPECTION TYPE: A MONTHLY INSPECTION DATE: 4-5-02 COMMENTS/RESULTS: Tound None		□ INSPECTION DURING DRAWDOWN		
_					

INSPECTION TYPE: # MONTHLY INSPECTION	INSPECTION DURING DRAWDOWN
DATE: 5-10-02 COMMENTS/RESULTS: Faund NONE	·
COMMENTS/RESULTS:	

INSPECTION TYPE: OF MONTHLY INSPECTION	□ INSPECTION DURING DRAWDOWN
DATE: 6-8-02	
COMMENTS/RESULTS: Found None	

INSPECTION TYPE: # MONTHLY INSPECTION	☐ INSPECTION DURING DRAWDOWN
DATE: 7-2-02 Found wone	
COMMENTS/RESULTS: Found Wone	

INSPECTION TYPE: A MONTHLY INSPECTION DATE: 1-3-02 COMMENTS/RESULTS: Found None	□ INSPECTION DURING DRAWDOWN
COMMENTS/NESOCTS	

INSPECTION TYPE: | MONTHLY INSPECTION | INSPECTION DURING DRAWDOWN DATE: 9-10-02 | COMMENTS/RESULTS: | Towns Name

ATTACHMENT A

UTVI	nDA	N.	.	
HY	ひれし	1.14	71.1	ı

CaldrHigh	on Falls Falls	☐ Johnson Fall☐ Sandstone R		Potato Rapids Peshtigo
DATE: 5	1-5-02	Found V	•	TION DURING DRAWDOWN
DATE	6-10-02	ONTHLY INSPECTION	•	TION DURING DRAWDOWN
DATE: _/	6-8-02	ONTHLY INSPECTION		TION DURING DRAWDOWN
DATE:	7-2-02	Facund No		TION DURING DRAWDOWN
DATE:	8-3-02	ONTHLY INSPECTION		TION DURING DRAWDOWN

Pesh

INSPECTION TYPE: 5- MONTHLY INSPECTION DATE: 9-10-02- COMMENTS/RESULTS: Found None	INSPECTION DURING DRAWDOWN
COMINE TS/RESOCTS.	

Appendix 4



September 16, 2002

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)

700 North Adams Street

P.O. Box 19002

Green Bay, WI 54307-9002

Ms. Janet Smith U.S. Fish and Wildlife Service 1015 Challenger Court Green Bay, WI 54311

Dear Ms. Smith:

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

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 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 August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife, Eurasian watermilfoil, and zebra mussels.

All of the above mentioned projects were surveyed for purple loosestrife and Eurasian watermilfoil in July or early August. The presence of purple loosestrife was only identified at the Peshtigo Project where there is a history of occurrence. A map indicating the location and colony size is located in Appendix A.

Eurasian watermilfoil was found on Caldron Falls, Johnson Falls, Sandstone Rapids, and Peshtigo. Out of all of the aquatic macrophyte samples that had Eurasian watermilfoil present, there were no samples that had a high relative abundance Eurasian watermilfoil. There was no evidence of Eurasian watermilfoil found on High Falls or Potato Rapids. A summary of results has been included in Appendix B.

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 2002 inspections. A summary of the results has been included in Appendix C.

If you have any guestions, please do not hesitate to call me at (920) 433-2290.

Sincerely.

Rick J. Moser

Environmental Consultant

Enc.

cc: Ms. Joan Johanek, WPSC



September 16, 2001 2002

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

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

Dear Mr. Meronek:

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

As per the order approving the Comprehensive Land and Wildlife Management Plan for the Caidron 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 August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife, Eurasian watermilfoil, and zebra mussels.

All of the above mentioned projects were surveyed for purple loosestrife and Eurasian watermilfoil in July or early August. The presence of purple loosestrife was only identified at the Peshtigo Project where there is a history of occurrence. A map indicating the location and colony size is located in Appendix A.

Eurasian watermilfoil was found on Caldron Falls, Johnson Falls, Sandstone Rapids, and Peshtigo. Out of all of the aquatic macrophyte samples that had Eurasian watermilfoil present, there were no samples that had a high relative abundance Eurasian watermilfoil. There was no evidence of Eurasian watermilfoil found on High Falls or Potato Rapids. A summary of results has been included in Appendix B.

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 2002 inspections. A summary of the results has been included in Appendix C.

If you have any guestions, please do not hesitate to call me at (920) 433-2290.

Sincerely,

Rick J. Moser

Environmental Consultant

Enc.

cc: Ms. Joan Johanek, WPSC



September 16, 2002

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)

700 North Arlems Street

P.O. Box 19002

Green Bay, WI 54307-9002

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

Dear Mr. Moy:

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

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 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 August 20, 1998, Wisconsin Public Service Corporation (WPSC) is submitting the survey results for purple loosestrife, Eurasian watermilfoil, and zebra mussels.

All of the above mentioned projects were surveyed for purple loosestrife and Eurasian watermilfoil in July or early August. The presence of purple loosestrife was only identified at the Peshtigo Project where there is a history of occurrence. A map indicating the location and colony size is located in Appendix A.

Eurasian watermilfoil was found on Caldron Falls, Johnson Falls, Sandstone Rapids, and Peshtigo. Out of all of the aquatic macrophyte samples that had Eurasian watermilfoil present, there were no samples that had a high relative abundance Eurasian watermilfoil. There was no evidence of Eurasian watermilfoil found on High Falls, or Potato Rapids. A summary of results has been included in Appendix B.

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 2002 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) 433-2290.

Sincerely,

Rick J. Moser

Environmental Consultant

Enc.

cc: Ms. Joan Johanek, WPSC