



Wisconsin Public Service Corporation
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November 25, 2020

Electronically Filed

Ms. Cheryl Laatsch
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

Dear Ms. Laatsch:

SUBJECT: Invasive Species Management Plan - Monitoring Report

<u>Hydro</u>	<u>FERC Project No.</u>	<u>NATDAM No.</u>	<u>License Article</u>
Grandfather Falls	1966	WI00743	409

In accordance with the Federal Energy Regulatory Commission (FERC) Order Modifying and Approving Invasive Species Management Plan (Plan) for the Grandfather Falls Hydroelectric Project dated July 23, 2019, Wisconsin Public Service (WPS) is to provide an aquatic invasive species (AIS) survey report to the Wisconsin Department of Natural Resources (WDNR) by November 30, each year a survey has been completed. The report will include a description of invasive species monitoring and control activities completed that year, and any proposed changes to the Plan.

2020 Aquatic Invasive Species Monitoring Results

Aquatic invasive species (AIS) surveys were completed on the Grandfather Falls Hydroelectric Project on July 22, 2020. Monitoring for aquatic invasive species were conducted using ocular meander surveys along shorelines and in water depths where aquatic vegetation populations are visible. Methods are consistent with the currently accepted WDNR survey methodology. One aquatic invasive species was identified within the FERC project boundaries, purple loosestrife (*Lythrum salicaria*, PL).

Twenty-three colonies of PL were identified. Eleven small colonies and two medium colonies were completely hand pulled and disposed of offsite. *Galerucella* beetle herbivory was observed on two of the twenty-three identified colonies. Appendix A includes the 2020 PL survey results.

2020 Aquatic Invasive Species Control

The basis for when control is needed will be based off of past data collected and consultation with the WDNR. Due to 2020 being the first year of survey with the new Plan, no AIS control measures were implemented this year beyond the manual removal of some of the observed PL colonies. WPS will discuss ongoing AIS control with the WDNR during consultation in conjunction with discussions on management activities.

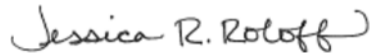
2020 Proposed Plan Changes

Each year following monitoring, WPS and WDNR will evaluate the current status of the Plan in conjunction with the consultation that will be completed before March 1 following monitoring each year. The primary goal of reviewing the Plan will be to ensure the Plan remains in compliance and is consistent with current state regulatory requirements. WPS and WDNR will discuss AIS monitoring and management goals.

WPS does not propose any changes to the current Plan. WPS will discuss ongoing survey methodology with WDNR during consultation in conjunction with discussions on management activities.

Please provide any comments you may have regarding this report within 30 days. Should you have any questions relative to this material, please do not hesitate to contact me at (920) 433-5558 or Jessica.Roloff@wecenergygroup.com.

Sincerely,



Jes Roloff
Environmental Consultant
Wisconsin Public Service
PO Box 19001
Green Bay, WI 54307-9001






Enc: Appendix A – 2020 Purple Loosestrife Survey Results (4 pages)

APPENDIX A

2020 PURPLE LOOSESTRIFE SURVEY RESULTS



**WPS Grandfather Falls
Hydroelectric Project
Purple Loosestrife
Survey 2020**

-  Project Boundary
-  Small
-  Small; Pulled All Plants
-  Medium
-  Medium



2020 Purple Loosestrife Survey Form

Hydroelectric project: Grandfather Falls Hydroelectric Project

Inspection dates: July 22, 2020

Colony ID #	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
		Plant Height 4 = >4ft 3 = 2-4ft 2 = 1-2ft 1 = <1ft	Plant Flowering 4 = 100% of plants 3 = 51-99% of plants 2 = 26-50% of plants 1 = <25% of plants	Beetle Herbivory 5 = 0% feeding 4 = 1 - 25% feeding 3 = 26-50% feeding 2 = 51-75% feeding 1 = >76% feeding		
1	S 0-5	2	4	5	11	
2	S 0-5	3	3	5	12	Pulled all plants.
3	S 0-5	3	4	5	12	Pulled all plants.
4	S 0-5	2	4	5	11	
5	S 0-5	2	3	5	10	
6	S 0-5	2	4	5	11	
7	S 0-5	2	4	5	11	
8	S 0-5	3	4	5	12	
9	S 0-5	3	4	5	12	
10	S 0-5	3	3	2	8	Pulled all plants.
11	S 0-5	3	3	3	9	Pulled all plants.
12	S 0-5	3	4	5	13	Pulled all plants.
13	S 0-5	3	4	5	13	Pulled all plants.
14	M 6-50	3	3	5	11	Pulled all plants.
15	M 6-50	4	4	5	13	Pulled all plants.
16	M 6-50	4	3	5	12	
17	S 0-5	4	4	5	13	Pulled all plants.

2020 Purple Loosestrife Survey Form

Hydroelectric project: Grandfather Hydroelectric Project

Inspection dates: July 22, 2020

Colony ID #	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
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18	S 0-5	4	4	5	13	Pulled all plants.
19	S 0-5	3	4	5	12	Pulled all plants.
20	S 0-5	4	4	5	13	
21	S 0-5	3	4	5	12	Pulled all plants.
22	S 0-5	3	3	5	11	
23	S 0-5	3	4	5	12	Pulled all plants.