



February 4, 2019

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**RE: Flambeau Pixley FERC Project Number 2395
Flambeau Hydro LLC
Final Report 2019 Purple Loosestrife Inventory Report**

Dear Ms. Bose:

On behalf of Flambeau Hydro LLC, "Flambeau" (Licensee), Renewable World Energies, LLC (RWE) is submitting a copy of the *Final Report 2019 Purple Loosestrife Inventory Report* for the Flambeau Pixley Hydroelectric Project. The report is a requirement of Flambeau's Federal license pursuant to article 410. Monitoring was conducted on August 14, 2019. No out of the ordinary issues were encountered and no Purple Loosestrife was observed. The draft report was sent to the agencies by an attachment to an e-mail on November 26, 2019 for review and comment. No comment was received pertaining to the Pixley report from the DNR, though a comment did reference the Flambeau Lower (P-2421) report. No comments have been received from the USFWS. The next scheduled monitoring event will be conducted in 2020.

If you have any questions concerning this submittal, please contact Brian Kreuzscher at the Renewable World Energies, LLC offices @ 855-994-9376 Ext 230. He can also be reached by e-mail at bkreuscher@rwehydro.com.

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Sincerely,
Renewable World Energies, LLC
Agent for Licensee

A handwritten signature in black ink, appearing to read "J. Kreuzer".

Handwritten initials "JJK" in black ink, positioned to the left of the typed name.

Mr. Jason Kreuzer
Vice President

Attachment: Flambeau Pixley Final Purple Loosetrife Inventory Report
Correspondence

Cc: Ms. Cheryl Laatsch, WDNR
Mr. Nick Utrup, USFWS

2019 Purple Loosestrife Inventory
for
Flambeau Pixley Hydroelectric Project
FERC Project #2395
Flambeau Hydro, LLC
Price County, Wisconsin

Submitted by:



429 River Lane, P.O. Box 27
Amasa, Michigan 49903
Phone: 906-822-7889

Summary of Purple Loosestrife Inventory for Flambeau Pixley Hydroelectric Project, FERC #2395

On August 14, 2019, White Water Associates, Inc. performed an inventory of purple loosestrife at the Flambeau Pixley Project. The method of inventory approved and modified by a Federal Energy Regulatory Commission (FERC) Order (June 18, 2003) was defined as follows:

While purple loosestrife is blooming in mid-July to early August, the inventory should be conducted using a boat to survey the impoundment above the dam within the Project Boundary and on foot or by boat below the dam within the Project Boundary. County wetland maps may be used to determine other areas where Purple Loosestrife could be found on lands owned by Flambeau Hydro, LLC (FHLLC) within the Project Boundary. Lands owned by FHLLC within the Project Boundary will be surveyed on foot. A pair of binoculars should be used to search for the purple flowered spikes of the plant. When plants are located, the person(s) inventorying should get close enough to make a positive identification without disturbing the plants or the immediate area around the plants as this could cause them to spread. A GPS will be used to establish a GPS coordinate for the location of the plants. If it is not possible to get close enough to establish an accurate location, an approximate location will be established with reference to an established GPS coordinate. The plants should be inventoried by marking and numbering the location on a project map along with notes approximating size of plants, stand area, percent cover, stem density, plant density, and location with reference to established GPS coordinates. Photos and/or videotape will be taken of the largest occurrences.

2019 Observations

The Flambeau Lower Project boundary was divided into three different areas; *the impoundment* (from HWY 13 bridge in Park Falls to the dam), *FHLLC-owned property within the project boundary* (FHLLC-owned property adjacent to the dam and powerhouse), and *the tailrace* (from the dam and powerhouse to approximately 500 feet downstream of the dam).

The impoundment was surveyed by boat and no purple loosestrife plants were observed.

The FHLLC-owned property within the project boundary was surveyed on foot and no purple loosestrife plants were observed.

The tailrace was surveyed by boat and no purple loosestrife plants were observed.

Appendix A provides scans of field data sheets.

Appendix A

Scans of Datasheets

Purple Loosestrife Survey

Pixley

Hydroelectric Project - FERC # 2395

Page 1 of 2

Date 8-14-19 Conducted By Angie Stone Finn

HWL 148.22 TWL 147.5 CFS 749 Equipment Used: Camera GPS, Binoculars

Air Temp: 67 Wind Speed: N-E 10 mph Barometer: 30.09 Sky Conditions: Partly cloudy

Time Survey Started 16:20 Time Survey Ended 13:12 Boat (14ft) or Canoe) and/or Foot

Latitude Start NBL by Dam Longitude End NBL by Dam

Location of Survey Area: Tailrace Bypass Reach Impoundment FHLIC Property

Description of Location _____

Historic Info: None

Purple Loosestrife Found: Yes or No None

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Other Species Observed:

single many painted turtles

Purple Loosestrife Survey

Pixley Hydroelectric Project – FERC # 2395 Page 2 of 2

Date 8-14-19 Conducted By Steve A. Emma

HWL 1448.7 FWL 1427.5 CFS 742 Equipment Used: Camera, GPS, Binoculars

Air Temp 67 °F Wind Speed: NE 10 mph Barometer: 30.09 Sky Conditions: Partly Cloudy

Time Survey Started 1:10 Time Survey Ended 1:15 Boat (14ft or Canoe) and/or Foot

Latitude Start Dam Longitude End Dam

Location of Survey Area: Tailrace Bypass Reach Impoundment FHLLC Property

Description of Location _____

Historic Info: _____

Purple Loosestrife Found: Yes or No Yes

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Other Species Observed: _____

FW: Crowley (P-2473) Pixley (P-2395) Upper (P-2640) Lower (P-2421) 2017 Purple Loosestrife Draft Reports

Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>

Thu 12/5/2019 11:23 AM

To: Brian Kreuzscher <bkreuzscher@rwehydro.com>

Cc: Mushel, Joelle A - DNR <Joelle.Mushel@wisconsin.gov>

Hi Brian -

FERC 2421 Flambeau Lower has a single location of PL (Data Point FLLWPL004.) This seems like this is the second year where it was too big to hand pull. We are asking that you go plan ahead of time to have proper tools and clippers to cut the plant and prevent the seeds from spreading. Small stands of plants should be removed.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Cheryl Laatsch
Statewide FERC Coordinator
Bureau of Environmental Analysis and Sustainability
Wisconsin Dept of Natural Resources
N7725 Hwy 28
Horicon WI 53032
(T) 920-387-7869 (Fax) 920-387-7888
Cheryl.laatsch@wisconsin.gov



From: Wirt, Alan W - DNR <Alan.Wirt@wisconsin.gov>

Sent: Monday, December 02, 2019 10:04 AM

To: Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>; Mushel, Joelle A - DNR <Joelle.Mushel@wisconsin.gov>

Subject: RE: Crowley (P-2473) Pixley (P-2395) Upper (P-2640) Lower (P-2421) 2017 Purple Loosestrife Draft Reports

Cheryl

Thank you for your time in this matter.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Alan W. Wirt
Water Resource Management Specialist
Wisconsin Department of Natural Resources

Rhineland, Wisconsin 54501
Office: 715-365-8905
Cell Phone: 715-892-5413
Email: Alan.Wirt@wisconsin.gov



From: Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>
Sent: Friday, November 29, 2019 9:57 AM
To: Wirt, Alan W - DNR <Alan.Wirt@wisconsin.gov>; Mushel, Joelle A - DNR <Joelle.Mushel@wisconsin.gov>
Subject: FW: Crowley (P-2473) Pixley (P-2395) Upper (P-2640) Lower (P-2421) 2017 Purple Loosestrife Draft Reports

Hi Al – Please see the email below and the various attachments for the PL reports. Please let me know if you have any concerns or comments or changes. I can have Joelle work with RWE on using the forms to report PL. Comments due Dec 10th.

We are committed to service excellence.

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Cheryl Laatsch
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From: Brian Kreuzscher <bkreuscher@rwehydro.com>
Sent: Tuesday, November 26, 2019 8:10 PM
To: Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>; Nick Utrup <nick_utrup@fws.gov>
Subject: Crowley (P-2473) Pixley (P-2395) Upper (P-2640) Lower (P-2421) 2017 Purple Loosestrife Draft Reports

Cheryl and Nick,

Attached are copies of the Purple Loosestrife Draft Reports for the surveys conducted at Flambeau Upper (P-2640), Flambeau Lower (P-2421), Flambeau Pixley (P-2395) and Flambeau Crowley (P-2473).

Last year there were comments about using a standard reporting form. We didn't get around to discussing using that going forward. This year there were no subjective comments regarding Purple Loosestrife that wasn't pulled. All instances that were found were pulled except a single observance at the Lower project which was too large to pull.

Please return any comments on the draft reports to me within 30 days.

Thanks

Brian Kreuzer

Renewable World Energies
Regulatory & Compliance
855-994-9376 x230

Document Content(s)

20-02-04 BRK PXYLY Final P L Rpt To FERC ALL.PDF.....1-10