

November 14, 2013

Mr. Peter Fasbender
Field Supervisor
U.S. Fish and Wildlife Service
2661 Scott Tower Drive
New Franken, WI 54229

Ms. Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Department of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

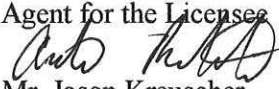
**Re: Flambeau Upper Project
FERC # 2640
Flambeau Hydro, LLC
Article 412, 2013 DRAFT Purple Loosestrife Inventory**

Dear Ms. Laatsch, and Mr. Fasbender:

Attached you will find a copy of the Flambeau Hydro, LLC "Purple Loosestrife Inventory" for 2013. This annual report has been prepared to comply with the federal hydropower license of the project and article named above. A final copy will be filed with the Federal Energy Regulatory Commission with any comments you might add by the end of January.

If you have any questions regarding this submission, please contact Mr. Gary Rast at Renewable World Energies Neshkoro office @ (855)994-9376, ext 105 or Aneta Rietveld at Renewable World Energies Norway office @ (855)994-9376, ext 108. They can also be reached via email at grast@rwehydro.com or arietveld@rwehydro.com.

Sincerely,
Renewable World Energies, LLC
Agent for the Licenses

For: 
Mr. Jason Kreuzscher
Vice President Operations

CC: RWE Hydro, Corporate

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**Flambeau Upper Project Purple Loosestrife Inventory
August 14 and August 15, 2013
FERC Project # 2640 Article 412**

**Flambeau Hydro LLC
100 S. State St.
Neshkoro, WI 54960**

Purple Loosestrife

On August 14 and August 15, 2013, Flambeau Hydro, LLC (FHLLC) performed an inventory of purple loosestrife plants at the Flambeau Upper Project in Price County, Wisconsin. The method of inventory as approved and modified by Federal Energy Regulatory Commission (FERC) Order of 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 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 receiver 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.

Example:

#1 6' tall plants; 4' x 20'; 30% cover; 4-5 stems per plant; 4 plants; on shoreline N45 56.183'
W90 26.748'; no photo

#2 5'-7' tall plants; 10' x 10'; 25% cover; 4-5 stems per plant; 10 plants; in marsh ~50 feet
Bearing 25 degrees from N45 56.256' W90 26.710'; photo No. 1

The area to be inventoried shall be the shoreline of the impoundment to elevation 1487.4 feet NGVD and lands owned by FHLLC within the Project Boundary as indicated on the Project Maps 1 & 2, dated November 1991, included in Exhibit G of Flambeau Paper Corp. Application for a Subsequent License for the Upper Hydroelectric Project FERC Project #2640.

General Observations:

The Flambeau Upper Project Boundary was divided into three different areas; *the impoundment* (from just downstream of the last rapids before the impoundment to the dam), *the power canal/bypassed reach* (the power canal from the dam to the powerhouse, and the bypassed reach area from the dam to the single lane service bridge just upstream of the HWY 182 bridge), and *the tailrace* (from the single lane service bridge just upstream of the HWY 182 bridge to the HWY 182 bridge).

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

The power canal/bypassed reach was surveyed on foot and no purple loosestrife plants were found. No occurrences of purple loosestrife have been found in this area since 2007.

The impoundment was surveyed by boat and no purple loosestrife plants were found. No occurrences of purple loosestrife have been found in this area since 2007.

If any purple loosestrife plants had been found during the inventory, a digital camera would have been used to document these occurrences and GPS coordinates for the location of the plants would have been recorded.

Purple Loosestrife Survey

Project: Flambeau Upper #2640

Datum: WGS 84

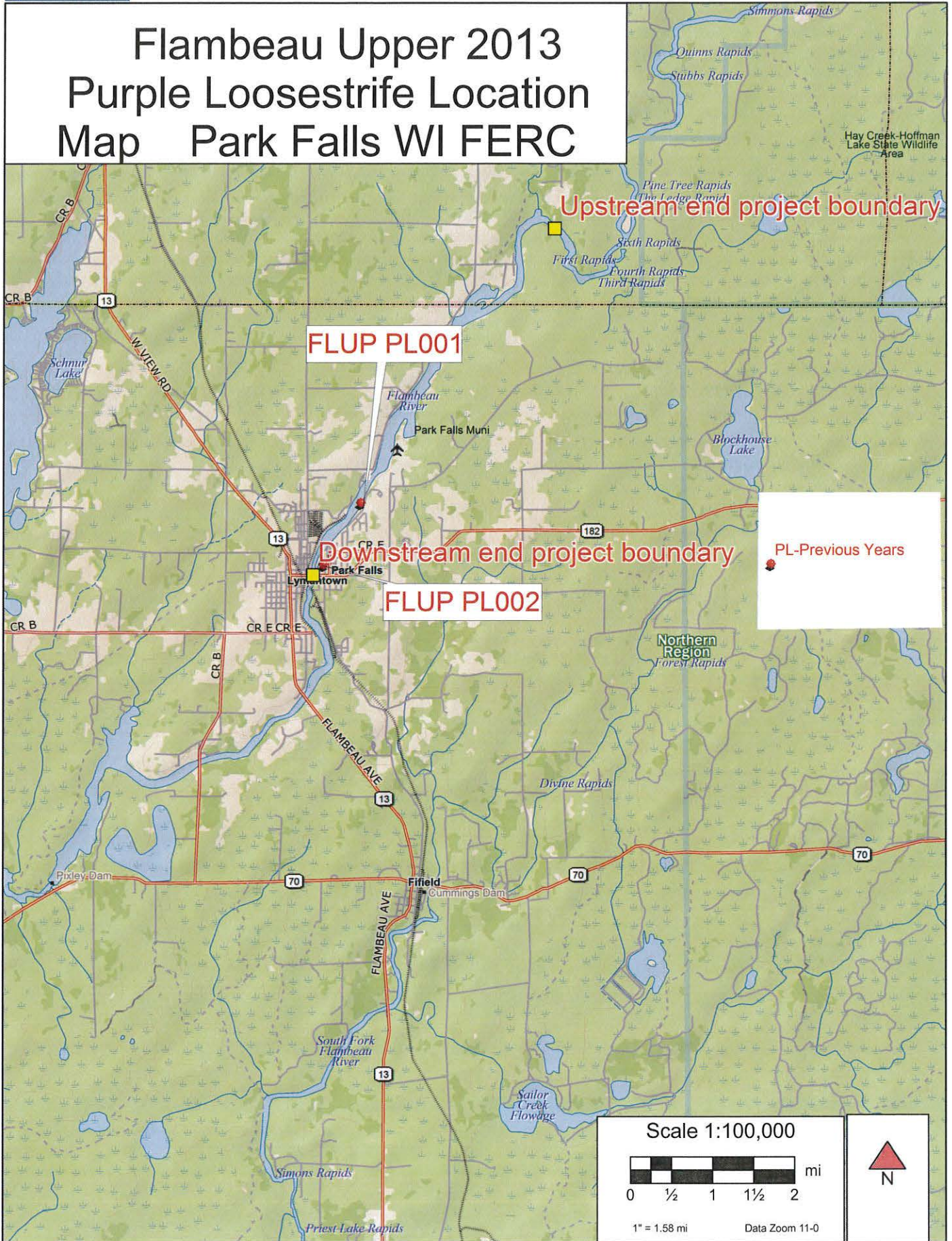
Date: August 14 and August 15,2013

Page: 1 of 1

Crew: GGR and AKR

Sighting #	GPS Point	Latitude	Longitude	Plant Height	Stand Area	Comments
1	2 FLUPPL001	N45 56.807'	W90 26.043'	N/A	N/A	No occurrences of purple loosestrife were found within the project boundary in 2012. Located 3 yards bearing 90 degrees (east) of GPS point on residence shore. First observed in 2002, approx. 15-25 plants growing close together. Plants appeared to have 3-5 stems per plant. In 2003 samples were taken of this occurrence along with a recording on video tape. Analysis revealed that the plants were winged loosestrife (<i>Lythrum Alatum</i>) and not purple loosestrife (<i>Lythrum Salacaria</i>). In 2004 the land owner removed the plants. In 2007 the plants reoccurred at this location. During the 2008,2009,2010,2011,2012 and 2013 survey the plants could not be located. This site is videotaped in 2002 and photographed in 2007.
2	246 FLUPPL002	N45 56.157'	W90 26.607'	N/A	N/A	Located on the waypoint in the cattails at the northwest corner of the electrical sub-station fence, this occurrence was first observed in 2006 and removed. No old cane or damages visible. Reoccurred and pulled again in 2007. During the 2008,2009,2010,2011,2012 and 2013 survey, no purple loosestrife plants could be located at this site. Plants at this location were photographed in 2006.

Flambeau Upper 2013 Purple Loosestrife Location Map Park Falls WI FERC





FLUP 2013 Purple Loosetrife Survey Day



Year 2013 Purple Loosetrife Survey

Flambeau Upper Hydroelectric Project – FERC # 2640

Date: 8-14-13 Conducted By: AKR GGR

HWL: 1486.633 TWL: 1467.2 577-cfs

Time Survey Started: 3:40 Time Survey Ended: 5:45

Weather Conditions: Sunny 69°

Location of Survey Area: Tailrace _____ Bypass Reach _____ Impoundment

Time of Sighting(s): _____

Location of Sighting(s) (GPS Coordinates): _____

(Attach Photos & Map if Applicable)

Purple Loosetrife: none observed

Other Species Observed: eagle mallards painted turtles
musky

Other Pertinent Survey Information

Year 2013 Purple Loosestrife Survey

Flambeau Upper Hydroelectric Project – FERC # 2640

Date: 8-15-13 Conducted By: AKR GGR

HWL: _____ TWL: _____

Time Survey Started: 9:05 Time Survey Ended: 10:00

Weather Conditions: 65° Sunny

Location of Survey Area: portage trail ~~Tailrace~~ Bypass Reach _____ Impoundment _____

Time of Sighting(s): _____

Location of Sighting(s) (GPS Coordinates): _____

(Attach Photos & Map if Applicable)

Purple Loosestrife: None observed

Other Species Observed: _____

Other Pertinent Survey Information

