



ORIGINAL

North American Hydro Holdings, Inc.
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December 15, 2011

FILED
SECRETARY OF THE
COMMISSION
2011 DEC 19 P 2:28
FEDERAL ENERGY
REGULATORY COMMISSION

The Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

**Re: Flambeau Upper, Project No. 2640, Flambeau Hydro LLC
Article 412, Purple Loosetrife Inventory**

Dear Secretary:

On behalf of Flambeau Hydro, LLC, and in accordance with the Purple Loosetrife Monitoring Plan per license article named above, North American Hydro Holdings, Inc. submits the annual Purple Loosetrife Inventory for 2011 for the above named project. Copies of the inventory have been sent to the Wisconsin Department of Natural Resources and the US Fish & Wildlife Service.

If you have any questions regarding this submission, please contact Mr. Jereme Klassy at 920-293-4628 (ext. 22).

Sincerely,
NORTH AMERICAN HYDRO HOLDINGS, INC.

CS Charles Alsberg
Chief Executive Officer

CC: FERC – CRO

Flambeau Upper Project Purple Loosestrife Inventory
August 3, 2011
FERC Project #2640 Article 412

Flambeau Hydro, LLC
116 State St.
Neshkoro, WI 54960

Purple Loosestrife

On August 3, 2011, 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° 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: 8/4/2010

Page: 1 of 1

Crew: NAH Personnel

Sighting #	GPS point	Latitude	Longitude	Plant Height	Stand Area	Comments
1	2 FLUPPL001	N45°56.807'	W090°26.043'	N/A	N/A	No instances of purple loosestrife were found within the project boundary in 2011. Located ~3 yards bearing 90° (east) of GPS point on residence shore. First observed in 2002, ~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 are winged loosestrife (<i>Lythrum alatum</i>) and not purple loosestrife (<i>Lythrum salicaria</i>). In 2004, the land owner removed the plants. In 2007 the plants reoccurred at this location. During the 2008, 2009, 2010 and 2011 survey, the plants could not be located. This site is recorded on video tape in 2002 and photographed in 2007.
2	246 FLUPPL002	N45°56.157'	W090°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 damage visible. Reoccured and pulled again in 2007 During the 2008, 2009, 2010 and 2011 survey, no purple loosestrife plants could be located at this site. Plants at this location were photographed in 2006.

Flambeau Upper, Purple Loosetrife Location Map 2011

Park Falls WI, FERC #2640



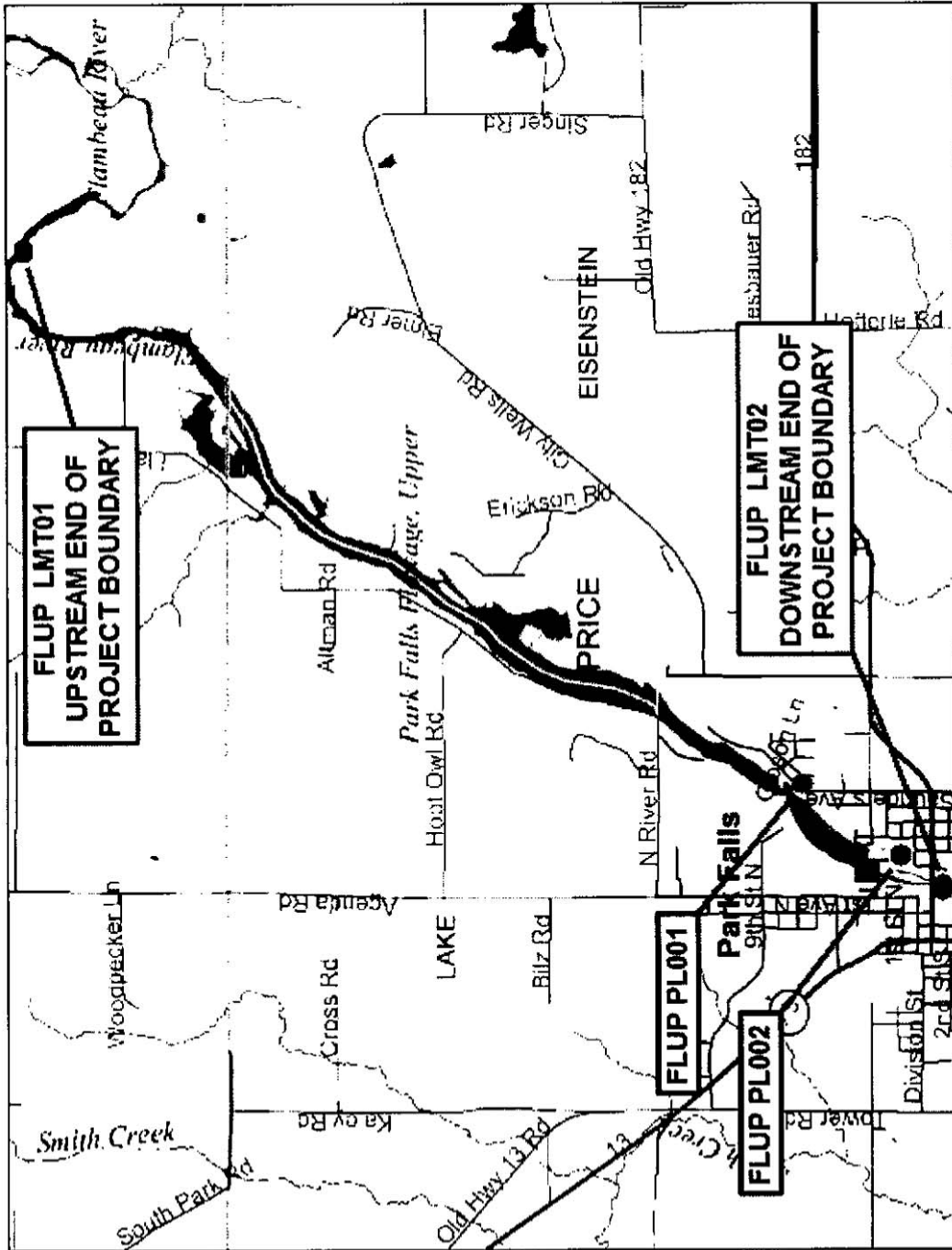
Legend

- Dams
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Intermittent
- Fluctuating
- Perennial
- Cities and Villages
- Village
- City

Purple Loosetrife
observed in
2011

Purple Loosetrife
observed in
previous years
and not in
2011

Scale: 1:49,789



0 4750 9500 14250 ft

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.



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October 25, 2011

Mr. Craig Roesler
Water Quality Biologist, Upper Chippewa Basin
Wisconsin Department of Natural Resources
10220 State Hwy 27
Hayward, WI 54843

Ms. Cheryl Laatsch
Water Regulations and Zoning Specialist
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

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

***Re: Flambeau Upper Project, No. 2640, Flambeau Hydro, LLC
Article 412, Purple Loosetrife Inventory***

Dear Mr. Roesler, Ms. Laatsch, and Mr. Fasbender:

Attached is a copy of the Flambeau Hydro, LLC "Purple Loosetrife Inventory" for 2011. This annual report has been prepared to comply with the federal hydropower license of the project and article named above and is being filed with the Federal Energy Regulatory Commission.

If you have any questions regarding this submission, please contact Mr. Jereme Klassy at 920-293-4628 (ext. 22).

Sincerely,

NORTH AMERICAN HYDRO HOLDINGS, INC.

A handwritten signature in black ink, appearing to read "Charles Alsberg". The signature is stylized and written in a cursive-like font.

cs Charles Alsberg
Chief Executive Officer