

P-2064-068

ORIGINAL



North American Hydro Holdings, Inc.
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December 28, 2009

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

**Re: Winter Project, No. 2064, Flambeau Hydro, LLC
Article 401(b)(P), Purple Loosetrife Inventory**

FILED
SECRETARY OF THE
FEDERAL ENERGY REGULATORY COMMISSION
7001 FEB 29 P 12:17
2009 DEC 29
REGISTRATION DIVISION

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 2009 for the above named project. Copies of the inventory have been sent to the Wisconsin Department of Natural Resources, US Forest Service, and the US Fish & Wildlife Service and no comments have been received to date.

If you have any questions regarding this submission, please contact Mr. Richard Loeffler at 920-293-4628.

Sincerely,
NORTH AMERICAN HYDRO HOLDINGS, INC.

FOR

Charles Alsberg
Chief Executive Officer

Cc: FERC – CRO

09-12-28 ctm WNTR 2009 loosetrife survey to FERC.doc

**Winter Project, Purple Loosestrife Inventory
August 7, 2009
FERC Project #2064 Article 401(b)(P)**

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

Purple Loosestrife

On August 7, 2009, Flambeau Hydro, LLC (FHLLC) performed a baseline inventory of purple loosestrife plants at the Winter Project in Sawyer County, Wisconsin. The method of inventory was defined as follows:

While Purple Loosestrife is blooming in August, the inventory should be conducted using a boat to survey the impoundment above the dam within the Project Boundary and on foot 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, stem density, plant density, and location with reference to established GPS coordinates. Photos and/or videotape may be taken of the largest occurrences.

Example:

GPS point CLRVPL001; Location Lat N45° 54.493' Lon W92° 31.128';
Plant height 2' – 6'; Density ~5' X 50' ~40 plants single & multi-stem;
Comments Insect damage observed. Seed heads removed. Photos. No
Video.

The area to be inventoried shall be the shoreline of the impoundment and lands owned by FHLLC within the Project Boundary as indicated on the Project Boundary Map G-1, as filed with the Federal Energy Regulatory Commission.

General Observations:

The Winter Project Boundary was divided into three different areas; *the impoundment* (from the Winter powerhouse to the upstream project boundary, approximately 2.10 miles upstream), *FHLLC owned property within the project boundary* (FHLLC owned property adjacent to the dam and powerhouse), *the tailrace/bypass reach* (from the powerhouse to a point approximately 595 feet downstream, including the 3,028-foot long bypass reach area from the spillway to the downstream project boundary).

The tailrace/bypass reach was surveyed on foot 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 impoundment was surveyed by boat and two areas of purple loosestrife (WNTRPL002, & WNTRPL003) were found within the project boundary. The sightings were within 100 yards of each other and located in a wet low lying peninsula of land adjacent to the river. Only limited access to the effected area was available. As in prior years the survey crew then proceeded upstream and outside of the project boundary to explore if any plants existed that may be contributing to the infestation by spreading seeds downstream into the impoundment. The 2009 survey revealed 10 areas of blooming purple loosestrife plants located ~240 yards upstream from the project boundary. This site, (WNTRPLNA01) also showed previous year's cane. A vegetation survey dated 1999 and included in Exhibit E of the FERC license application indicates that purple loosestrife plants had been observed at all three of these locations at that time.

All occurrences were found on land not owned by FHLLC.

These purple loosestrife plants were inventoried and have been noted on the survey sheet(s) and map(s) at the end of this report. No other occurrences of purple loosestrife were observed.

During the inventory, a digital camera and/or video camera was used to document occurrences of purple loosestrife as noted in the survey comments at the end of this report.

A vegetation survey dated 1999 and included in Exhibit E of the Application for New License for the Winter Hydroelectric Plant and filed with the Federal Energy Regulatory Commission (FERC) was used as an aid in a 2008 baseline purple loosestrife survey.

Purple Loosestrife Survey

Project: Winter #2064
Date: 8/7/2009
Crew: GRR, RAL, CTM

Datum: WGS 84

Sighting #	GPS point	Latitude	Longitude	Plant Height	Stand Area	Comments
1	WNTRPL001	N45°55.827'	W90°56.572'	N/A	N/A	First observed in 2007. Located on the right side of the river ~4050 ft. upstream from the diversion dam. No plants observed in 2009. Seed heads cut in 2007. No treatment in 2008. No photos.
2 & 3	WNTRPL002 WNTRPL003	N45°55.868' N45°55.851'	W90°56.650' W90°56.628'	4' - 6'	~120' x 200' ~20 - 40 plants	First observed in 2007. Located on the right side of the river ~3700 ft. upstream from the diversion dam. Beginning in 2009, sites PL002 and PL003 were grouped as one continuous site due to the close proximity of the sites and the invasive characteristic's of the plants. No old cane. No beetle damage. Plants were in partial bloom. No treatment in 2008 and 2009. Photos in 2007.
4	WNTRPLNA01	N45°56.225' estimated location	W90°55.392' estimated location	3' - 6'	~1000' x 10' 10 areas of blooming plants	First observed in 2007. Right side of river. This sighting is ~240 yards upstream of the project boundary limits and could not be reached by boat due to rapids. In 2009 old cane was visible, but the crew could not get close enough to determine beetle damage. No treatment in 2008 and 2009. Photos in 2007.

WINTER #2064 PURPLE LOOSESTRIFE SURVEY 2009



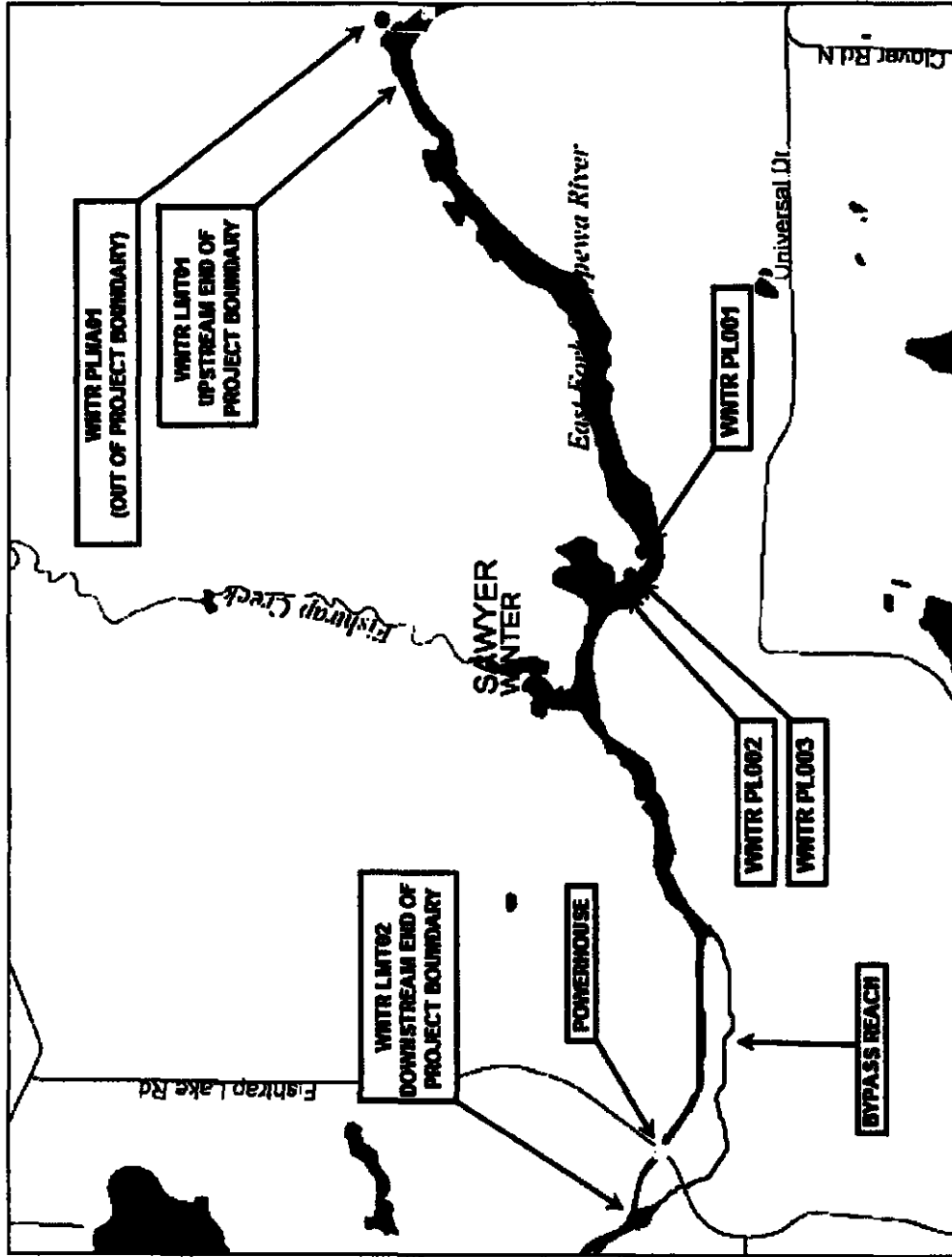
Legend

- Dams
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- 24K County Boundaries
- City Towns
- City
- 24K Open Water
- 24K Rivers and Shoreline
- Intermittent
- Perennial
- Creeks and Villages
- Village
- City

Purple Loosestrife Observed in 2009

Purple Loosestrife Observed in Previous Years and not in 2009

Scale: 1:18,000



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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November 24, 2009

Mr. Jeffrey Scheirer
Northern Region FERC Manager
Wisconsin Department of Natural Resources
875 South 4th Avenue
Park Falls, WI 54552

Ms. Jeanne Higgins
Forest Supervisor
U.S. Forest Service
1170 4th Avenue South
Park Falls, WI 54552

Mr. Nick Utrup
Wisconsin Hydropower Coordinator
U.S. Fish and Wildlife Service
2661 Scott Tower Drive
New Franken, WI 54229

**Re: Winter Project, No. 2064, Flambeau Hydro, LLC
Article 401(b)(P), Purple Loosestrife Inventory**

Dear Mr. Scheirer, Mr. Utrup, and Ms. Higgins:

Attached is a copy of the Flambeau Hydro, LLC "Purple Loosestrife Inventory" for 2009. 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.

Please contact me at 920-293-4628 if you wish to discuss or have any questions.

Sincerely,
NORTH AMERICAN HYDRO HOLDINGS, INC.

A handwritten signature in black ink, appearing to read "Richard Loeffler". The signature is fluid and cursive, written over a white background.

Richard Loeffler

Attachment

File: 09-09-04 CTM WNTR 2009 Loosestrife Survey to Agencies.doc