

ORIGINAL



North American Hydro Holdings, Inc.
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January 5, 2011

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

FILED
SECRETARY OF THE
COMMISSION
2011 JAN 12 A 10:58
FEDERAL ENERGY
REGULATORY COMMISSION

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

Dear Secretary:

On behalf of Flambeau Hydro, LLC, and in accordance with the Purple Loosestrife Monitoring Plan per license article named above. North American Hydro Holdings, Inc. submits the annual Purple Loosestrife Inventory for 2010 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. Cory Mirr at 920-293-4628 ext. 23, or cory.mirr@nahydro.com.

Sincerely,
NORTH AMERICAN HYDRO HOLDINGS, INC.

 Charles Alsberg
Chief Executive Officer

Cc: FERC – CRO

**Winter Project, Purple Loosestrife Inventory
July 27, 2010
FERC Project #2064 Article 401(b)(P)**

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

Purple Loosestrife

On July 27, 2010, Flambeau Hydro, LLC (FHLLC) performed an 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 July and 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, and WNTRPL004) were found within the project boundary. WNTRPL002/WNTRPL003 is located in a wet low lying peninsula of land adjacent to the river with only limited access to the affected area available. Five groups of plants located within 100ft of each other were visible and in full bloom. This site contained fewer plants than in previous year's surveys. A new site was located in 2010. WNTRPL004 is a stand of approximately 6 plants located on the right side of the river with no old cane visible. As in prior years the survey crew 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 2010 survey revealed four areas of blooming purple loosestrife plants located ~240 yards upstream from the project boundary. This site, (WNTRPLNA01) also showed a decline in the number of plants from previous year's survey.

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

10-10-08 CTM WNTR 2010 Loosestrife Inv.xls

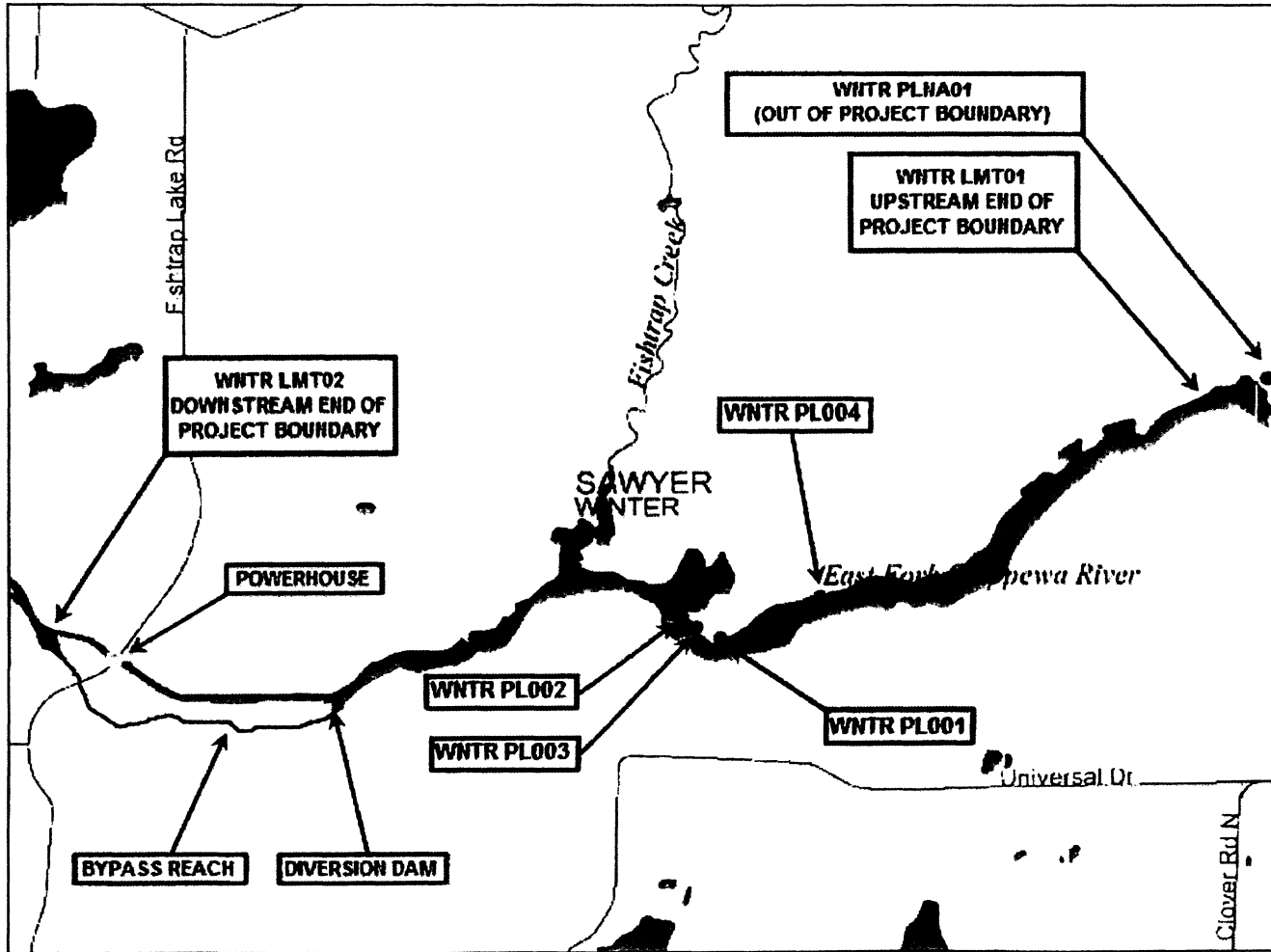
Project: Winter #2064
 Date: 7/27/2010
 Crew: GRR, CTM

Datum: WGS 84

Sighting #	GPS point	Latitude	Longitude	Plant Height	Stand Area	Comments
1	WNTR PL001	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 and in 2010. Seed heads cut in 2007. No treatment in 2008. No photos.
2 & 3	WNTR PL002 WNTR PL003	N45°55.868' N45°55.851'	W90°56.650' W90°56.628'	4' - 6'	~120' x 200' ~5 groups of 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. In 2010 some old cane was visible with no new growth within it.. No beetle damage. Plants were in full bloom. No treatment in 2008, 2009 and 2010. Photos in 2007.
4	WNTRPLNA01	N45°56.225' estimated location	W90°55.392' estimated location	3' - 6'	~1000' x 10' 4 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 2010 only 4 area's of blooming plants were observed at this site. No treatment in 2008, 2009, and 2010. This site can not be reached for close observation of plants Photos in 2007.
5	WNTR PL004	N45°55.904	W 90°56.347	1, - 6'	5' x 5' ~4 - 6 plants	First observed in 2010. Located on the right side of river and ~ 5130' upstream of the diversion dam. No old cane and no treatment in 2010. No beetle damage observed.

WINTER PROJECT, PURPLE LOOSESTRIPE LOCATION MAP 2010

Winter WI, FERC #2064



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 Loosestrife Observed in 2010

● Purple Loosestrife Observed in Previous Years and not in 2010



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.

Scale: 1:18,999



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December 1, 2010

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

Mr. Paul Strong
Forest Supervisor
Forest Headquarters Offices
500 Hanson Rd.
Rhineland, WI 54501

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 Mr. Strong:

Attached is a copy of the Flambeau Hydro, LLC "Purple Loosestrife Inventory" for 2010. 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 (ext. 18) if you wish to discuss or have any questions.

Sincerely,

NORTH AMERICAN HYDRO HOLDINGS, INC.

A handwritten signature in black ink that reads "Cory Mirr". The signature is written in a cursive, slightly slanted style.

Cory Mirr

Attachment

File: 10-10-08 CTM WNTR 2010 Loosestrife Survey to Agencies.doc