



North American Hydro Holdings, Inc.

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ORIGINAL

December 20, 2010

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

FEDERAL ENERGY
REGULATORY COMMISSION

2010 DEC 27 A 9:16

FILED
SECRETARY OF THE
COMMISSION

**Re: Clam River Project, No. 9185,
Flambeau Hydro, LLC
Article 401(b)(M), Purple Loosetrife Inventory 2010**

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 2010 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 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.18)

Sincerely,
NORTH AMERICAN HYDRO HOLDINGS, INC.

Charles Alsberg
Chief Executive Officer

Cc: FERC – CRO

Clam River Project Purple Loosestrife Inventory

July 29, 2010

FERC Project #9185 Article 401(b)(M)

Flambeau Hydro, LLC

116 State St.

Neshkoro, WI 54960

Purple Loosestrife

On July 29th, 2010, Flambeau Hydro, LLC (FHLLC) performed an inventory of purple loosestrife plants at the Clam River Project in Burnett 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 Clam River Project Boundary was divided into four different areas; *the impoundment* (from approximately 3.1 miles upstream of the Clam River powerhouse downstream to the Clam River powerhouse), *FHLLC owned property within the project boundary* (FHLLC owned property adjacent to the dam and powerhouse), *the tailrace* (from the powerhouse to a point approximately 900 feet downstream), and the *by-pass reach* (from the spillway to a point approximately 800 feet downstream).

The by-pass reach was surveyed on foot and no purple loosestrife plants were observed.

The tailrace 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 nine areas of purple loosestrife were found within the project boundary. Of the nine areas, three were new in 2010 and one occurrence located above the project boundary in 2007, could not be reached. All occurrences were observed on lands not owned by FHLLC.

Sighting #1 was first observed in 2007. This site is located upstream of the project boundary and could not be found in 2008 and 2009. The site could not be reached in 2010 due to low water conditions.

Sighting #2 is inside the project boundary and was first observed in 2007. In 2009 this site contained ~15 - 20 plants, an increase from 2008 when no plants were observed at the location. In 2010 no plants were located at this site.

Sighting #3 is a large ~10 acre site in the higher ground and bogs within wild rice beds of the upper end of the impoundment that was first observed in 2007. In 2009 the amount of plants observed at this site has declined with major reductions occurring in the northern half of the 10 acre site. Overall estimates of this site by the survey crew indicate an increase in the amount of plants in 2010, but still less than 2007 and 2008 surveys. The height of the wild rice and other vegetation growing within this site may be a factor in the yearly inventory along with a very limited access to the area.

Sighting #4 was first observed in 2007. In 2009 this site showed an increase in purple loosestrife, with the survey crew counting ~30 plants where only 4 plants were visible in 2008. In 2010 this site has remained the same as in 2009.

Sighting #5 was observed in 2007, 2008, 2009 and 2010. All plants were pulled and destroyed in the 2007 and 2008 survey. In 2010 this site has increased in stand area, but the amount of plants has remained the same. Approximately 30 – 50 purple loosestrife plants were counted during the survey.

Sighting #6 was first discovered in 2007. In 2009 only one plant was observed at this location which is a decrease from 2008 when 5 plants were visible. No treatment was given due to its inaccessible location. In 2010, no plants were located at this location.

Sighting #7 was first observed in 2008. This ~5'x 5' area could not be reached for close observation and treatment due to its location in a low lying area. In 2010, this site had wild rice growing on it and no purple loosestrife was observed.

Sighting #8 was first observed in 2009 and located ~60' SSW of the GPS point. This one multi stem plant showed no sign of beetle damage and there was no old cane accompanying the new growth. This site is inaccessible due to its location in a low lying area. This plant could not be located in 2010.

Sighting #9 was first observed in 2009. The site is located on the left side of the river and in a very wet area. An examination found no signs of beetle damage. The site appeared to be the same in 2010.

Sighting #10 was first observed in 2010. The GPS point for this site is estimated at ~345' north of the public boat launch. This site is not accessible due to its location in a low lying area and it is on private property. It is also approximately 500ft east of the edge of the impoundment. The survey crew estimated 50 plants at this site.

Sighting #11 was first observed in 2010. This one plant is the furthest north in the impoundment that the survey crew has found PL in all survey years. Due to the shallow, stump filled bay, we were unable to treat this plant or get a close observation.

Sighting #12 was first observed in 2010. This single plant is located on the left side of the river and was not treated.

No plants were pulled were during the 2010 survey due to terrain constraints.

No insect damage was noted at any of the occurrences at the project.

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.

Purple Loosestrife Survey

Project: Clam River #9185
Date: 7/29/2010
Crew: GR & CTM

Datum: WGS 84
Page: 1 of 1

Sighting #	GPS point	Latitude	Longitude	Plant Height	Stand Area	Comments
1	CLRVPL001	N45°54.493'	W92°31.128'	N/A	N/A	First observed in 2007. Located ~1,500' upstream from the Project Boundary. No plants observed in 2008 and 2009. All plants pulled in 2007. Site could not be reached in 2010. Video in 2007.
2	CLRVPL002	N45°54.812'	W92°31.014'	N/A	N/A	First observed in 2007. Located ~150' W of GPS point. In 2009, some plants in full bloom, no old cane, and no beetle damage. No plants observed in 2008. No treatment in 2007 and 2009. No photos. Could not be located in 2010.
3	CLRVPL003 CLRVPL004	N45°54.998' N45°55.240'	W92°30.949' W92°31.028'	1' - 7'	~10 acres 150 - 200 plants Multi-stem & Single-stem	First observed in 2007. Located on higher ground and bogs within wild rice on either side of the channel with the GPS points as end-points. In 2009 and 2010 the amount of PL growing within the 10 acre site has declined with little or no plants visible in the northern half of the site. No beetle damage observed. No treatment in 2007, 2008, 2009 and 2010. This occurrence was partially recorded on video in 2007.
4	CLRVPL005	N45°55.284'	W92°30.756'	4' - 6'	~15' x 15' 30 plants multi-stem	First observed in 2007. Located ~100' S of GPS point. No beetle damage observed, old is cane present, and most plants blooming. No treatment in 2007, 2008, 2009 and 2010. Photos in 2007.
5	CLRVPL006	N45°55.529'	W92°30.505'	2' - 4'	~20' x 25' 40 plants	First observed in 2007. Located on right side of river and close to shoreline in low lying area. No beetle damage observed and no old cane present. All plants were pulled with root mass 2007 & 2008. Seed heads clipped in 2009. No treatment in 2010. No photos.
6	CLRVPL007	N45°55.541'	W92°30.606'	N/A	N/A	First observed in 2007. Location estimated. No insect damage and old cane is present. No treatment in 2007, 2008 and 2009. This plant could not be located in 2010. No photos.
7	CLRVPL008	N45°55.173'	W92°30.858'	5' - 7'	3 Multi-stem plants	First observed in 2008. Located ~470' S/SE of GPS point. No old cane present. Could not get close enough to determine beetle damage. No treatment in 2008, 2009 and 2010. Photos in 2010.
8	CRLVPLOO9	N45°55.292'	W92°30.697'	N/A	N/A	First observed in 2009. Located ~60' SSW of GPS point. No treatment in 2009. This plant could not be located in 2010. No photos.

Purple Loosestrife Survey

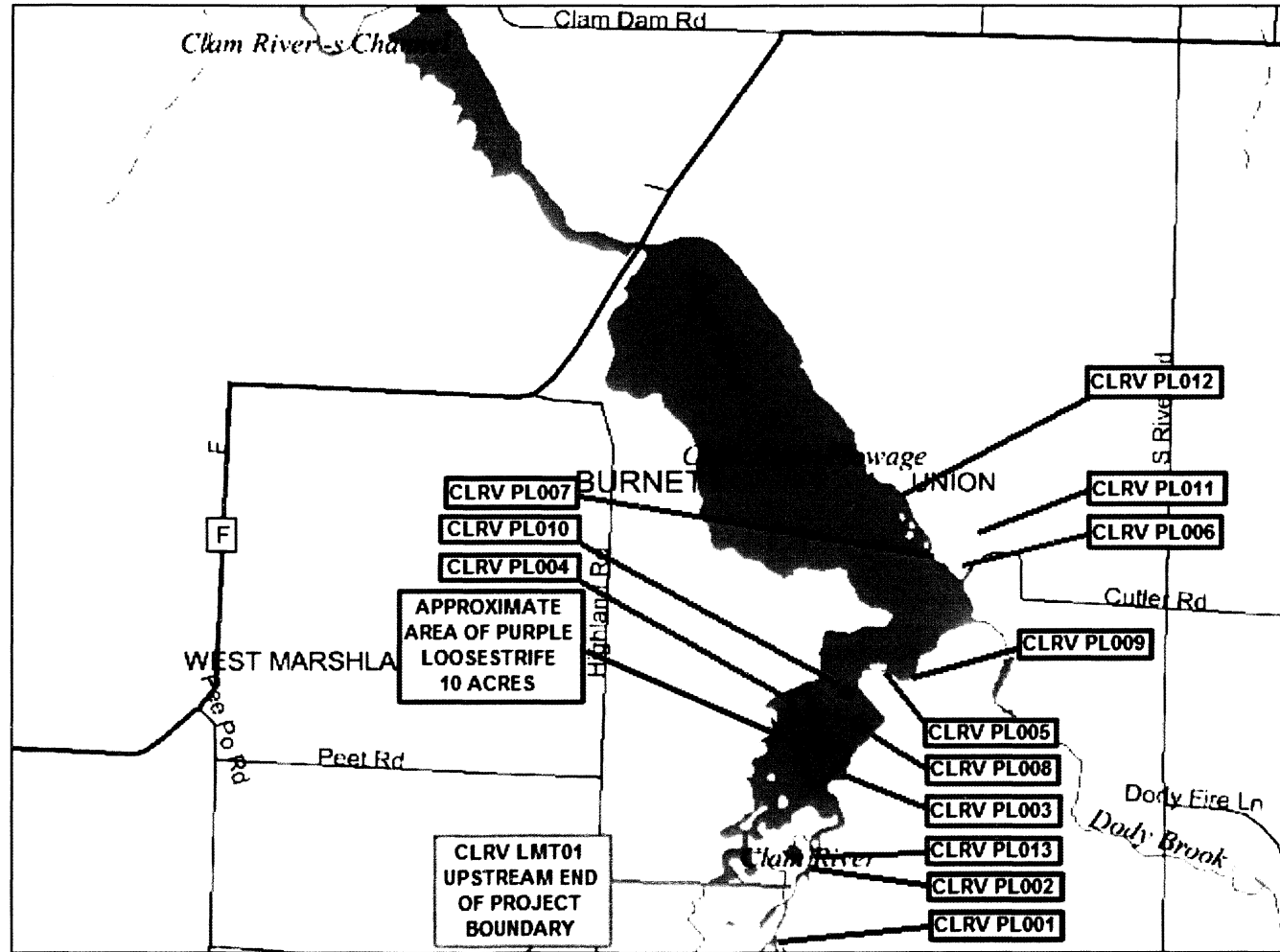
Project: Clam River #9185
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Datum: WGS 84
Page: 1 of 1

Sighting #	GPS point	Latitude	Longitude	Plant Height	Stand Area	Comments
9	CLRV PLO10	N45°55.233'	W92°30.863'	4' - 5'	1 multi stem plant	First observed in 2009. Located on left side of river and close to shoreline in low lying area. No beetle damage. No treatment in 2009 and 2010. No photos.
10	CLRV PL011	N45°55.568'	W92°30.495'	4' - 6'	50 Plants	First observed in 2010. GPS point is estimated at ~345' north of CLRV BR001 boat launch. No treatment in 2010.
11	CLRV PL012	N45°55.685'	W92°30.874'	6'	1 multi stem plant	First observed in 2010. Located on the east side of impoundment and close to shoreline in low lying area. The site is located ~83 yards east of GPS point. No treatment.
12	CLRV PL013	N45°54.871'	W92°30.968'	6'	1 multi stem plant	First observed in 2010. Located on left side of river and close to rivers edge in low lying area. No beetle damage. No treatment in 2010.

Clam River Purple Loosestrife Location Map 2010

Danbury WI, FERC #9184



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

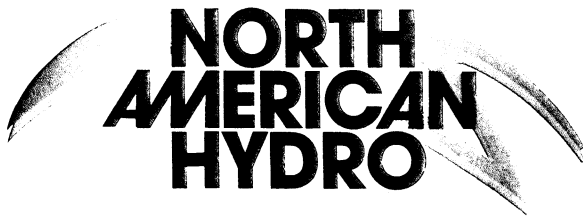
Purple Loosestrife Observed in 2010

Purple Loosestrife Observed in Previous Years and not in 2010



Scale: 1:28,470

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 19, 2010

Mr. Jeffrey Scheirer
Northern Region FERC Manager
Wisconsin Department of Natural Resources
875 South 4th Avenue
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: *Clam River Project, No. 9185, Flambeau Hydro, LLC
Article 401(b)(M), Purple Loosestrife Inventory***

Dear Mr. Scheirer and Mr. Utrup:

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.

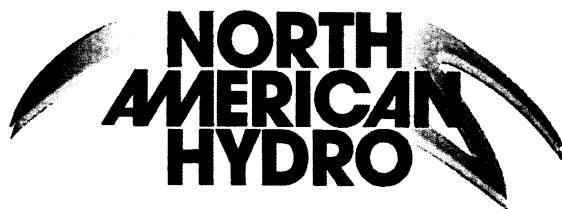
Sincerely,

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

Cory Mirr

Attachment



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Attachment

File: 10-10-29 ctm CLR V 2010 Loosestrife Survey to Agencies.doc