

ORIGINAL



North American Hydro Holdings, Inc. — Plant Operations:  
116 State Street, P.O. Box 187, Neeshkoro, WI 54960 USA  
Tel 920-293-4628 Fax 920-293-8087 Email nah@nahydro.com Web www.nahydro.com

Engineering & Manufacturing:  
8310 Technology Drive, Weston, WI 54478 USA  
Tel 715-359-0209 Fax 715-359-1049 Email echofield@nahydro.com Web www.nahydro.com

April 25, 2008

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

P-9185-023

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

FILED  
OFFICE OF THE  
SECRETARY  
2008 MAY -5 P 3:59  
FEDERAL ENERGY REGULATORY COMMISSION

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 2007 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. Richard Loeffler at 920-293-4628.

Sincerely,  
**NORTH AMERICAN HYDRO HOLDINGS, INC.**

FOR Charles Alsberg  
Executive Vice President

Cc: FERC – CRO

08-04-25 RAL CLRV 2007 loosestrife survey to FERC.doc

ORIGINAL

**Clam River Project Purple Loosestrife Inventory  
August 4, 2007  
FERC Project #9185 Article 401(b)(M)**

FILED  
OFFICE OF THE  
SECRETARY

2008 MAY -5 P 3:59

FEDERAL ENERGY  
REGULATORY COMMISSION

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

*Purple Loosestrife*

On August 4, 2007, 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 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 five areas of purple loosestrife were found within the project boundary. All occurrences were found on lands not owned by FHLLC. The largest area was quite substantial in size and forms a mosaic in the higher ground and bogs within wild rice beds of the upper end of the impoundment. 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, and two blooming plants (noted in the survey sheets) with previous years cane were found approximately 1,500 feet upstream from the end of the project boundary.**

**Only one plant near the East End Boat Landing was pulled 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.**

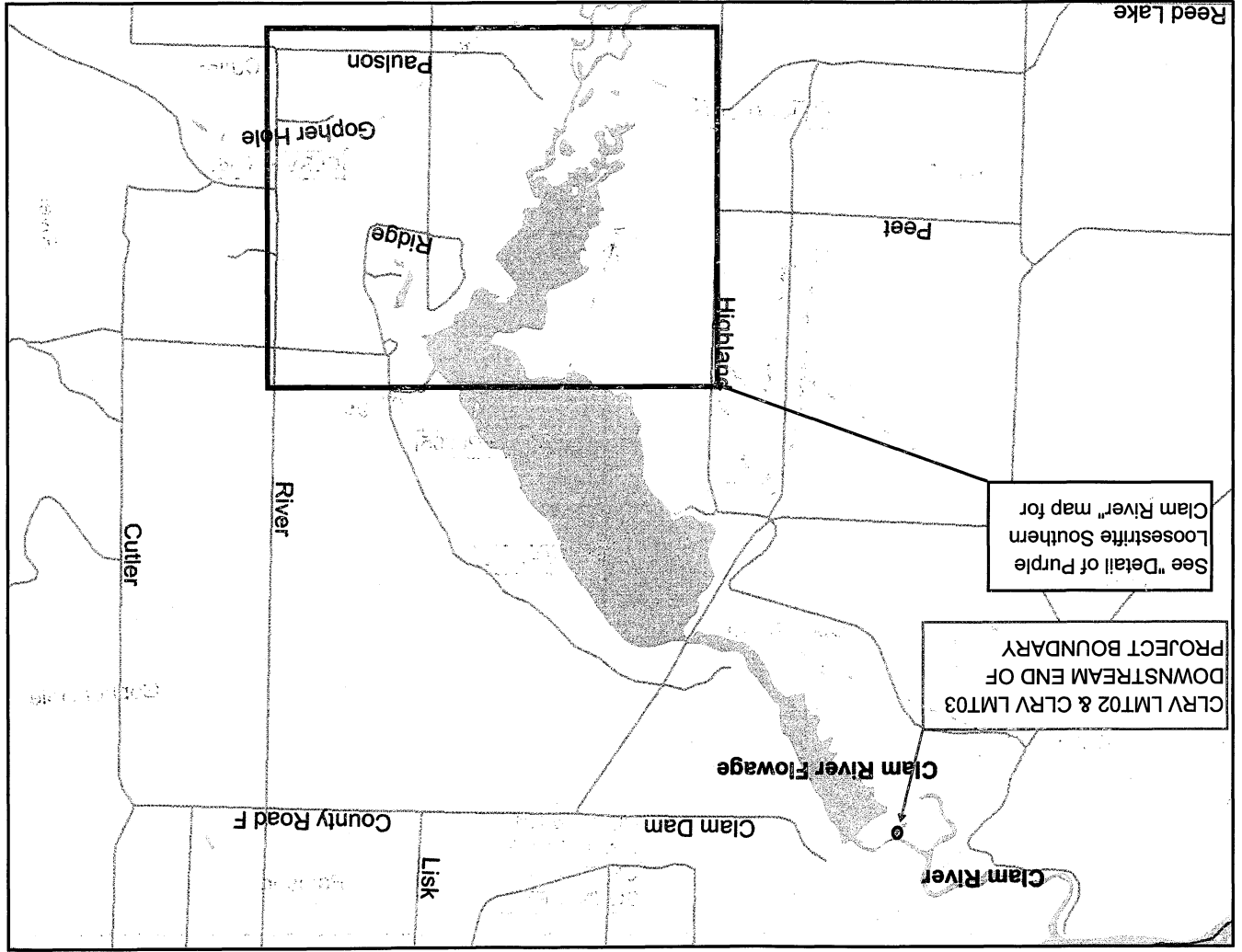
Purple Loosestrife Survey

Project: Clam River #9185  
 Date: 8/4/2007  
 Crew: RAL & 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'	3' - 7'	~40' x 8' 2 plants Multi-stem	Located ~1,500' upstream from the upstream end of the Project Boundary. First discovered in 2007. No insect damage observed. Old cane present. No treatment in 2007. This occurrence recorded on video in 2007.
2	CLRVPL002	N45°54.812'	W92°31.014'	4' - 6'	~15' x 15' ~5-plants Multi-stem & Single-stem	Located ~150' W of GPS point. First discovered in 2007. No insect damage observed. Old cane present. No treatment in 2007. No video or photos in 2007.
3	CLRVPL003 CLRVPL004	N45°54.998' N45°55.240'	W92°30.949' W92°31.028'	1' - 7'	~11 acres >500-plants Multi-stem & Single-stem	Located on higher ground and bogs within wild rice on either side of the channel with the GPS points as end-points. First discovered in 2007. No insect damage observed. Old cane present. No treatment in 2007. This occurrence partially recorded on video in 2007.
4	CLRVPL005	N45°55.284'	W92°30.756'	4' - 6'	~15' x 15' ~4-plants Multi-stem	Located ~100' S of GPS point. First discovered in 2007. No insect damage observed. Old cane present. No treatment in 2007. This occurrence photographed in 2007.
5	CLRVPL006	N45°55.529'	W92°30.505'	5'	1-plant Multi-stem	First discovered in 2007. No insect damage observed. Old cane present. This plant pulled in 2007. No video or photos in 2007.
6	CLRVPL007	N45°55.541'	W92°30.606'	3' - 6'	~15' x 6' ~5-plants Multi-stem	Location estimated. First discovered in 2007. No insect damage observed. Old cane present. No treatment in 2007. No video or photos in 2007.

# 2007 Clam River Purple Loosetrife Locations



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.

0 3500 7000 10500 ft.

Scale: 1:35,000



## Legend

□ County Boundaries

✕ Railroads

Major Highways

Interstate

US Highway

State Highway

Local Roads

Civil Towns

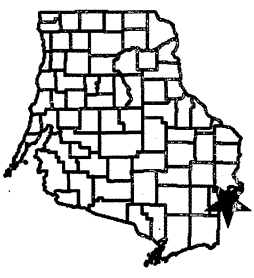
Civil Town

24K Open Water

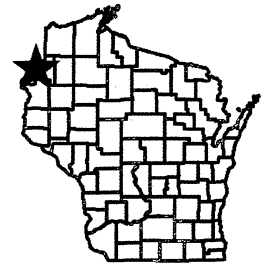
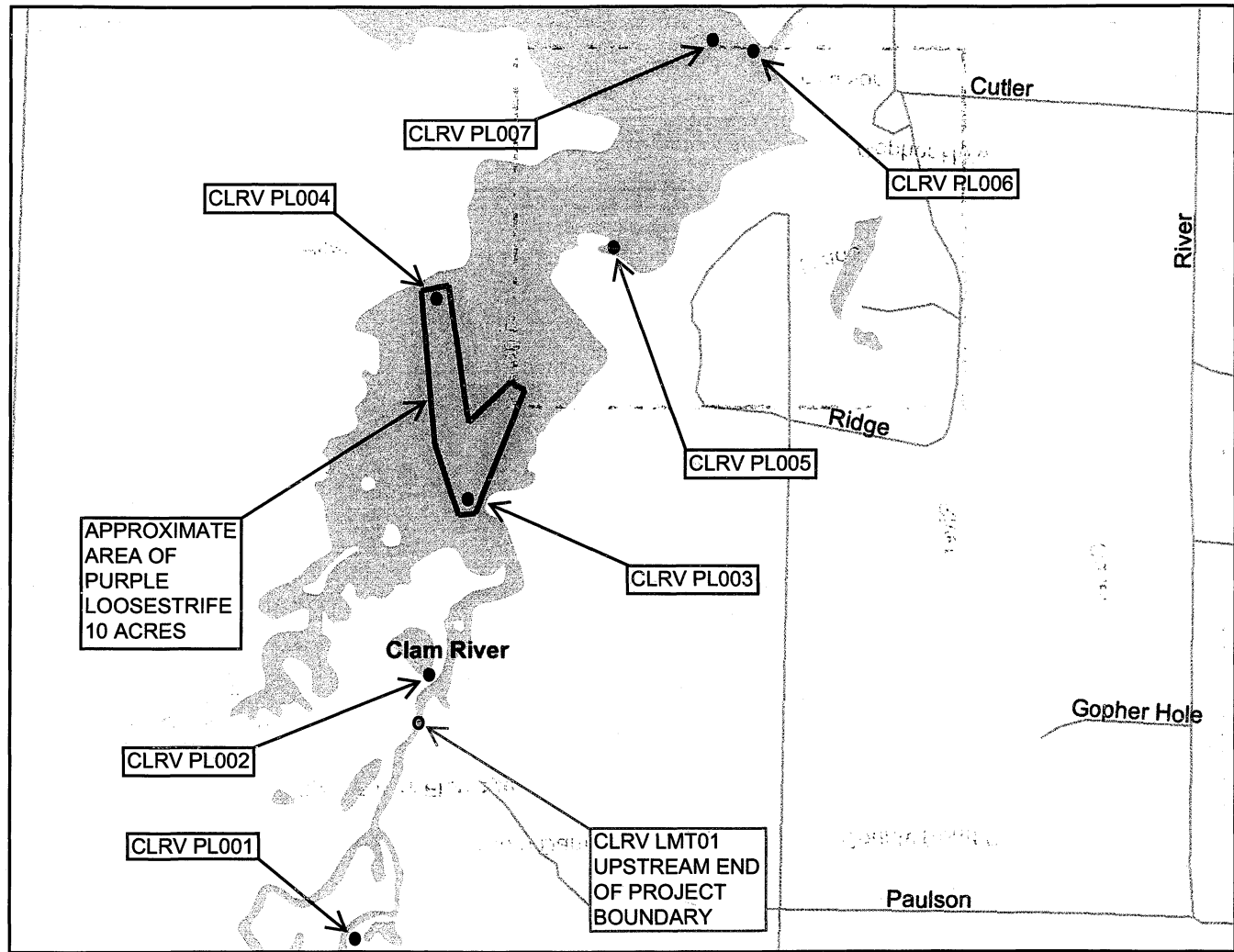
Cities and Villages

Village

City



# Detail of Purple Loosestrife Southern Clam River



### Legend

- County Boundaries
- Railroads
- Major Highways
  - Interstate
  - US Highway
  - State Highway
  - Local Roads
- Civil Towns
- Civil Town
- 24K Open Water
- Cities and Villages
  - Village
  - City
  - Town

Scale: 1:13,000



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.



North American Hydro Holdings, Inc. — Plant Operations:  
118 State Street, P.O. Box 147, Neenah, WI 54950 USA  
Tel: 920-293-4628 Fax: 920-293-8087 Email: nah@nahydro.com Web: www.nahydro.com

Engineering & Manufacturing:  
8310 Technology Drive, Weston, WI 54476 USA  
Tel: 715-358-0209 Fax: 715-358-1049 Email: schofield@nahydro.com Web: www.nahydro.com

March 7, 2008

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

Ms. Louise Clemency  
Field Supervisor  
U.S. Fish and Wildlife Service  
2661 Scott Tower Drive  
New Franken, WI 54229

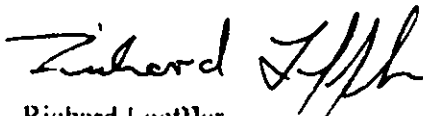
**Re: Clam River Project, No. 9185, Flambeau Hydro, LLC  
Article 401(b)(M), Purple Loosetrife Inventory**

Dear Mr. Scheirer and Ms. Clemency:

Attached is a copy of the Flambeau Hydro, LLC "Purple Loosetrife Inventory" for 2007. 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.**

  
Richard Loeffler

Attachment

63:11 01 0-1111 1111

File 08-03-07 RAL CLRV 2007 Loosetrife Survey to Agencies.doc