

January 15, 2015

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

**Re: Danbury Hydroelectric Project FERC #9184
Flambeau Hydro, LLC
Article 401 (b) (M) – Final 2014 Purple Loosestrife Inventory Report**

Dear Ms. Bose:

On behalf of Flambeau Hydro, LLC (Licensee), Renewable World Energies LLC is submitting the *Final 2014 Purple Loosestrife Inventory Report* for the Danbury Hydroelectric Project. It is a requirement of Article 401 (b) (M) amended April 23, 2013 of the License issued to Flambeau Hydro LLC by the Federal Energy Regulatory Commission on September 5, 2006. The 401 (b) (M) amendment changes the monitoring schedule from every year to every other year as well as Galerucella Beetles being placed at documented Purple Loosestrife sites in the non-survey year.

The report was sent to the agencies by letter dated December 10, 2014 as attachment to an e-mail sent and dated December 11, 2014. The letter and e-mail asked for comment if the agencies had any to offer. No comment has been received to date from either Mr. Utrup (USFWS) or Ms. Laatsch (WDNR). The survey was conducted on August 14, 2014. It began on the Impoundment (3 Hours and 45 Minutes), continued to the FHLLC – Owned Property (40 Minutes), and ended with the Tailrace (1 Hour). No Purple Loosestrife was observed during the survey. However, wildlife such as Sea Gulls, Ducks, Song Birds, Hawks, Turtles, Deer, and Eagles were observed. Since no Purple Loosestrife was observed, no Galerucella Beetles are scheduled to be released in 2015. The next survey and report will be due in 2016.

If you have any questions concerning the report, please contact Mr. Gary Rast at the Renewable World Energy LLC offices @ 855-994-9376 Ext. 105. He can also be reached by e-mail at grast@rwehydro.com.


Corporate Office
P.O. Box 264
100 S. State Street
Neshkoro, WI 54960
Fax: 920-293-4100

Phone: 855-99HYDRO
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www.renewableworldenergies.com

Administrative Office
1001 Stephenson Street
Norway, MI 49870
Fax: 906-563-9344



Sincerely,
Renewable World Energies, LLC
Agent for Licensee

for 
Mr. Jason Kreuscher
Vice President, Operation

Attachment: Final Danbury 2014 Purple Loosestrife Inventory Report

Cc: Ms. Cheryl Laatsch, WDNR – Attachment to E-Mail
Mr. Nick Utrup, USFWS – Attachment to E-Mail
Mr. Paul Cook, Burnett County – Attachment to E-Mail
RWE

Final Report

2014 Purple Loosestrife Inventory Report
(Per License Article 401(b) (M))

For the

Danbury Hydroelectric Project
FERC Project # 9184
Flambeau Hydro, LLC

Yellow River
Burnett County, WI

Respectfully Submitted by:

Renewable World Energies, LLC
100 State Street – P.O. Box 264
Neshkoro, Wisconsin 54960

Final – January 14, 2015

Danbury Project Purple Loosestrife Inventory
August 14, 2014
FERC Project # 9184 Article 401(b)(M)

Flambeau Hydro LLC
100 S. State St.
Neshkoro, WI 54960

Purple Loosestrife

On August 14, 2014, Flambeau Hydro, LLC (FHLLC) performed an inventory of purple loosestrife plants at the Danbury Project in Burnett County, Wisconsin. The method of inventory 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:

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 Danbury Project Boundary was divided into three different areas; *the impoundment* (from the Danbury powerhouse #2 to the County HWY U bridge approximately 6.0 miles upstream), *FHLLC-*

owned property within the project boundary (FHLLC owned property adjacent to the dams and powerhouses), *the tailrace* (from the powerhouse #1 to a point approximately 2,500 feet downstream, including the 200 foot long tailrace area of powerhouse #2).

Temperatures during the day varied from low 60's to mid. 70's, bright and sunny, slight breeze. The headwater of the project was 929.05, the tailwater was 899.50, and the flow was 160 cfs. Gary Rast and Norb Rehder conducted the survey.

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 no purple loosestrife plants were observed.

All survey information has been entered into the SWIMS database for the 2014 year.

Other species observed during the day were a deer, 15-20 gulls, 2 hawks, 5 ducks, various songbirds, 4 turtles and 2 bald eagles.

During the inventory, the following tools were used: boat with motor, binoculars, range finder, compass, and a digital camera.

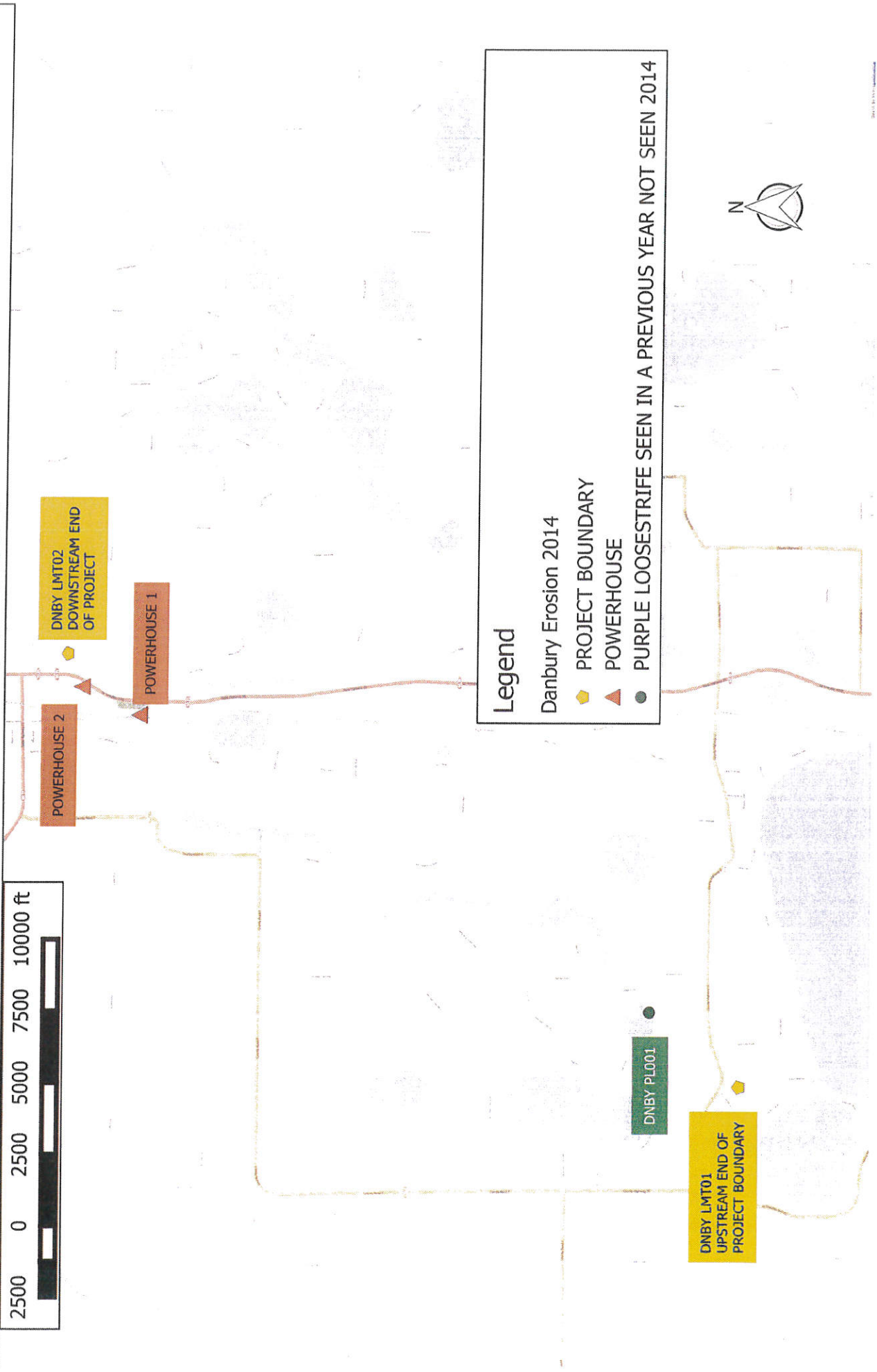
Purple Loosestrife Survey

Project: Danbury #9184Datum: WGS 84Date: August 14, 2014Page: 1 of 1Crew: GGR and NR

Sighting #	GPS Point	Latitude	Longitude	Plant Height	Stand Area	Comments
1	DNBYPL001	N45 56.846'	W92 24.768	N/A	N/A	First observed in 2007. Located on left side of river in bogs. Plant was cut at the base in 2007, not found in 2008. Single plant found and pulled with root mass in 2009. Photos in 2007 and 2009. Could not be located in 2010, 2011, 2012, 2013, or 2014.

DANBURY PURPLE LOOSESTRIFE LOCATION MAP

2014 FERC # 9184



Year 2014 Purple Loosetrife/Erosion Survey

Danbury Hydroelectric Project - FERC # 9184

Date: 8/14/14 Conducted By: GARY RAST, NORD REIDER
 HWL: 929.05 TWL: 899.50 PROJECT -160CFS
 Time Survey Started: 9:30 Time Survey Ended: 1:15
 Weather Conditions: BRIGHT SUN, SLIGHT BREEZE, TEMPS IN LOW TO MID 60'S.
 Location of Survey Area: Tailrace _____ Bypass Reach _____ Impoundment X
 Time of Sighting(s): N/A
 Location of Sighting(s) (GPS Coordinates): N/A

(Attach Photos & Map if Applicable)

Purple Loosetrife: NONE OBSERVED

Erosion: _____ (Photos Taken) Yes _____ No _____

Other Species Observed: 15-20 SEA GULLS, 5 DUCKS, SONG BIRDS, 2 HAWK, & 4 TURTLES.

Other Pertinent Survey Information

SURVEY BEGAN @ BOAT LANDING + CONTINUED UP-STREAM TO THE PROJECT BOUNDARY. FROM THIS POINT WE WENT DOWNSTREAM TO THE DAM + BACK UPSTREAM TO BOAT LANDING WHERE SURVEY ENDED.
NO LOOSESTRIFE WAS OBSERVED. MANY POINTS IN RIVER ARE CHOKED WITH WEEDS.
HUGE AMOUNTS OF DUCKWEED ON WATER SURFACE.
BIWOS, GPS, COMPASS, CAMERA, BOAT + MOTOR, RANGE FINDER USED FOR SURVEY.
Gary Rast

Year 2014 Purple Loosetrife/Erosion Survey

Danbury Hydroelectric Project - FERC # 9184

Date: 8/14/14 Conducted By: GARY RAST
 HWL: 929.05 TWL: 899.50 PROJECT FLOW -160 CFS
 Time Survey Started: 1:20 Time Survey Ended: 2:00
 Weather Conditions: BRIGHT SUN, BREEZY, CLEAR, TEMPS
IN MID 70'S.
 Location of Survey Area: Tailrace FALLC PROPERTY ~~Bypass Reach~~ Impoundment X
 Time of Sighting(s): N/A
 Location of Sighting(s) (GPS Coordinates): N/A

(Attach Photos & Map if Applicable)

Purple Loosetrife: NONE OBSERVED

Erosion: _____ (Photos Taken) Yes _____ No _____

Other Species Observed: 1 BALD EAGLE, VARIOUS SONG BIRDS, +
(SOARING)
1 DEER.

Other Pertinent Survey Information

EQUIPMENT USED: CAMERA, GPS, RANGE FINDER,
COMPASS, + BINOCULARS.

Gary Rast

Year 2014 Purple Loosetrife Erosion Survey

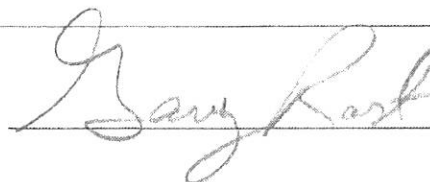
Danbury Hydroelectric Project - FERC # 9184

Date: 8/14/14 Conducted By: CARY RAST
 HWL: 929.05 TWL: 899.50 PROJECT - 1600 CFS
 FLOW
 Time Survey Started: 2:00 Time Survey Ended: 3:00
 Weather Conditions: BRIGHT SUN, SLIGHT BREEZE, CLEAR,
TEMPS IN MID 70'S.
 Location of Survey Area: Tailrace ☒ Bypass Reach ☐ Impoundment ☐
 Time of Sighting(s): N/A
 Location of Sighting(s) (GPS Coordinates): N/A

(Attach Photos & Map if Applicable)


Purple Loosetrife: NONE OBSERVEDErosion: ☐ (Photos Taken) Yes ☐ No ☐Other Species Observed: 1 BALD EAGLE (PERCHED).Other Pertinent Survey Information

EQUIPMENT USED: CAMERA, GPS, RANGE FINDER,
COMPASS, & BINOCULARS.



CORRESPONDENCE

Gary Rast

 **COPY**

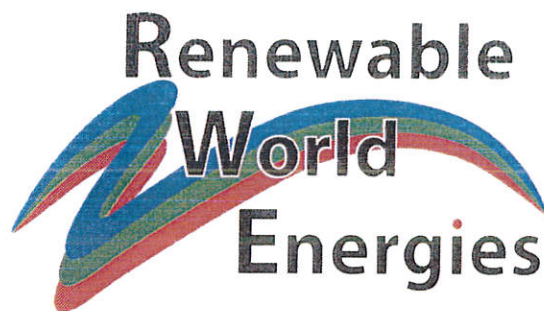
From: Aneta Rietveld
Sent: Monday, January 12, 2015 12:56 PM
To: Gary Rast
Subject: FW: 2014 Danbury Hydroelectric Project Purple Loosestrife inventory
Attachments: 14-12-10 GGR NR DANB DRAFT 2014 P Loosestrife Survey to Agencies.pdf

From: Aneta Rietveld
Sent: Thursday, December 11, 2014 11:33 AM
To: cheryl.laatsch@wisconsin.gov; 'nick_utrup@fws.gov'
Subject: 2014 Danbury Hydroelectric Project Purple Loosestrife inventory

Hi Nick and Cheryl,

Attached you will find the 2014 Purple Loosestrife inventory for Renewable World Energies, LLC's Danbury project. It has already been included in the SWIMS database as of the beginning of November. Please send any comments you may have to me in the next month and a half and I will file as final in the end of January. Thank you,

Aneta Rietveld
RWE Hydro
Environmental
Cell(920)293-1251



December 10, 2014

Mr. Nick Utrup
WI/MN Ecological Services Field Office
U.S. Fish and Wildlife Service
4101 American Blvd. East
Bloomington, MN 55425


Ms. Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Department of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

Re: Danbury Project
FERC # 9184
Flambeau Hydro, LLC
Article 401(b)(M), 2014 Purple Loosetrife Inventory Draft

Dear Ms. Laatsch, and Mr. Utrup:

Attached you will find a copy of the 2014 Flambeau Hydro, LLC Draft "Purple Loosetrife Inventory" for Danbury Hydroelectric Project FERC #9184. This annual report has been prepared to comply with the federal hydropower license of the project and article named above. A final copy will be filed with the Federal Energy Regulatory Commission with any comments you might add by the beginning of February.

If you have any questions regarding this submission, please contact Mr. Gary Rast at Renewable World Energies Neshkoro office @ (855)994-9376, ext 105 or Aneta Rietveld at Renewable World Energies Norway office @ (855)994-9376, ext 108. They can also be reached via email at grast@rwehydro.com or arietveld@rwehydro.com.

Sincerely,
Renewable World Energies, LLC
Agent for the Licensee

For: Mr. Jason Kreuscher
Vice President Operations

Attached: Danbury 2014 Draft Purple Loosetrife Inventory

Cc: RWE Energies, Corporate

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Document Content(s)

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