

CONSOLIDATED WATER POWER COMPANY

General Offices
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A subsidiary of Verso Corporation

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Secretary
Federal Energy Regulatory Commission
888 1st Street, N.E.
Washington, D.C. 20426

(VIA ELECTRONIC FILING)

Stevens Point Hydroelectric Project, FERC No. 2110 – Article 405, Exotic Species Biennial Monitoring Report – 2014/2015

Dear Secretary:

In accordance with the order approving the Exotic Species Control Plan, Consolidated Water Power Company (CWPCo) is filing the biennial monitoring report for 2014/2015.

CWPCo conducted monitoring during the summers of 2014 (vehicle July 28th week and boat August 6th) and 2015 (vehicle July 26th week and boat August 5th) on the Project. One observance for Eurasian milfoil was located in the 1st Lake area (site #10, 16T 0288814, 4938947 coordinates or latitude 44. 573 degrees, longitude -89.660 degrees Goggle Earth coordinates). No observances for curly-leaf pondweed or zebra mussels were reported.

Purple Loosestrife was observed sporadically. Administered purple loosestrife control methods were:

1. For smaller colonies (less than 5 plants) without observed beetle activity – removed plants to best extent possible and disposed of plants in landfill.
2. For colonies ranging from 6 – 50 plants with observed beetle activity – either
 - a. removed flower tops as best as possible for landfill, leaving rest of plant for beetles to feed on and populate.
 - b. removed flower tops as best as possible for landfill, leaving rest of plant for beetles to feed on and populate. Placed Wood County and Golden Sands Conservation raised beetle pots (6 total) below Stevens Point Dam spillway (site #6) on Wisconsin River's west shoreline during 2014.

For the 2010 baseline, of the 8 sites monitored, only site #6 was observed for purple loosestrife in 2015 with heavy beetle activity where some of the plants were stressed and dying. Of note, site #6 did get 6 new beetle pots in 2014 to aid in the establishment of a beetle population. Of the four new 2012/13 sites

reported, only 2 (sites #11 and #12) were observed in 2015 with purple loosestrife. Both these sites exhibited beetle activity. No new sites were observed during the recent 2014/15 reporting period.

This report provides two coordinate based systems for reporting the purple loosestrife locations. Going forward, with the 2017 biennial report, only the Google Earth based coordinate system will be reported. CWPCo feels this coordinate system is more universal for tracking the purple loosestrife colonies.

Summary

Overall, the total project purple loosestrife plant counts trended lower when compared to 2010. For 2015, only three of twelve sites were reported with purple loosestrife, of which all had beetle activity. This beetle activity indicated the positive impacts for controlling the spread of purple loosestrife. Current purple loosestrife levels do not demonstrate any significant negative effects towards fish or wildlife populations with the Project.

CWPCo continues to provide information about invasive species (PUBL-WM-250-95) with the distribution of our recreational brochures. The brochures are free to the public.

Eurasian water milfoil was observed within First Lake, site #10 but at levels consistent with past year observations. Current milfoil levels do not demonstrate any significant negative effects towards fish or wildlife populations with the Project. No observations were noted for curly-leaf pondweed during the biennial period.

CWPCo operating and maintenance personnel do informal monitor during routine activities and did not observe the presence of zebra mussels during the reporting period. The informal monitoring includes activities such as hydro turbine repairs, trashrack intake cleaning, gate operations (April – November), safety buoy usage and dry, exposed shoreline observations.

If there are any questions, please feel to contact us at 715-422-3927 or email tom.witt@versoco.com.

Sincerely,

CONSOLIDATED WATER POWER COMPANY

Thomas J. Witt

Thomas J. Witt
Resources Manager

cc: File (Stevens Point, LG-90-30, Article 405)

Ms. Cheryl Laatsch, Wisconsin Department of Natural Resources, Madison, WI (email)

Mr. Nick Utrup, U.S. Fish & Wildlife Service, Minneapolis, MN (email)

Purple Loosestrife Monitoring Data - Years 2010 to 2015

Table 1 – Purple Loosestrife Monitoring Site Data

Stevens Point Hydroelectric Project – Purple Loosestrife Monitoring 2010 to 2015

Site No	Description	GPS Coordinates	Plt Density	Beetle Activity	Chem Applied	Action Taken
1	Small island In center of main reservoir	16T 0291958 4935997	5 plts	Heavy	No	2010 – removed flower tops, rest for beetles 2011 - removed flower tops, rest for beetles 2012 – no plants 2013 – no plants 2014 – no plants 2015 – no plants
			3 plts	Heavy	No	
			None			
			None			
			None			
2	Small island NW of main reservoir near main channel	16T 0290637 4936278	15 plts	Heavy	No	2010 – removed flower tops, rest for beetles 2011 - removed flower tops, rest for beetles 2012 - removed flower tops, rest for beetles 2013 – no plants 2014 – no plants 2015 – no plants
			12 plts	Heavy	No	
			8 plts	Heavy	No	
			None			
			None			
3	Sand bar south of Site #2	16T 0290469 4935927	12 plts	Heavy	No	2010 – removed flower tops, rest for beetles 2011 - removed flower tops, rest for beetles 2012 - removed flower tops, rest for beetles 2013 – no plants 2014 – no plants 2015 – no plants
			9 plts	Heavy	No	
			6 plts	Heavy	No	
			None			
			None			
4	W. shoreline of main channel	16T 0289899 4937064	2 plts	None	No	2010 - removed plants 2011 - no plants 2012 - no plants 2013 - no plants 2014 – no plants 2015 – no plants
			None			
			None			
			None			
			None			
5	Small island along W. shoreline & main channel	16T 0289548 4937742	30 plts	Heavy	No	2010 – removed flower tops, rest for beetles 2011 - removed flower tops, rest for beetles 2012 – removed flower tops, rest for beetles 2013 - removed flower tops, rest for beetles 2014 – no plants 2015 – no plants
			20 plts	Heavy	No	
			13 plts	Heavy	No	
			3 plts	Heavy	No	
			1 plt None	Heavy	No	

Site No	Description	GPS Coordinates	Plt Density	Beetle Activity	Chem Applied	Action Taken
6	Bedrock below spillway W. side	16T 0294296 4932408	30 plts	Light	No	2010 - removed flower tops, rest for beetles 2011 - removed flower tops, rest for beetles, 2 pots planted 2012 - removed flower tops, rest for beetles 2013 - removed flower tops, rest for beetles, 3 pots planted 2014 - removed flower tops, rest for beetles, 6 pots planted 2015 - removed flower tops
			25 plts	Light	No	
			40 plts	Light	No	
			25 plts	Light	No	
			23 plts	Light	No	
7	Small island across from old STH 10 recreation site (CTH HH)	16T 0289053 4938540	4 plts	Medium	No	2010 - removed flower tops, rest for beetles 2011 - removed flower tops, rest for beetles 2012 - removed flower tops, rest for beetles 2013 - no plants 2014 - no plants 2015 - no plants
			2 plts	Medium	No	
			1 plt	Medium	No	
			None None None			
8	E. shoreline, 0.5 miles downstream new STH 10 recreation site	16T 0289766 4941127	1 plt	None	No	2010 - removed plant 2011 - no plants 2012 - no plants 2013 - no plants 2014 - no plants 2015 - no plants
			None			
			None			
			None			
9	Island East of Martin Island Drive (upstream end)	16T 0289682 4936131	2 plts	None		2013 - removed plants 2014 - no plants 2015 - no plants
			None			
			None			
10	1 st Lake area West shoreline	16T 0288814 4938947	10 plts	Light	No	2012 - removed flower tops, rest for beetles 2013 - removed plants 2014 - removed plants 2015 - no plants
			2 plts	Medium	No	
			2 plts	Medium	No	
			None			
11	2 nd Lake east finger on side channel	16T 0288027 4938866	40 plts	Light	No	2012 - removed flower tops, rest for beetles 2013 - removed flower tops, rest for beetles 2014 - removed flower tops, rest for beetles 2015 - removed flower tops, rest for beetles
			6 plts	Light	No	
			12 plts	Light	No	
			8 plts	Heavy	No	

Site No	Description	GPS Coordinates	Plt Density	Beetle Activity	Chem Applied	Action Taken
12	West shore slough above 2 nd Lake	16T 0286386 4938784	3 plts 2 plts 1plt	Heavy Heavy Heavy	No No No	2013 – removed flower tops, rest for beetles 2014 – removed flower tops, rest for beetles 2015 – removed plant

Notes: No chemical applications for 2010 - 2015. Beetle activity rating based on percentage of leaves with bee-bee holes from beetle feeding: light less than 15%, medium 15% to 30%, heavy greater than 30% .

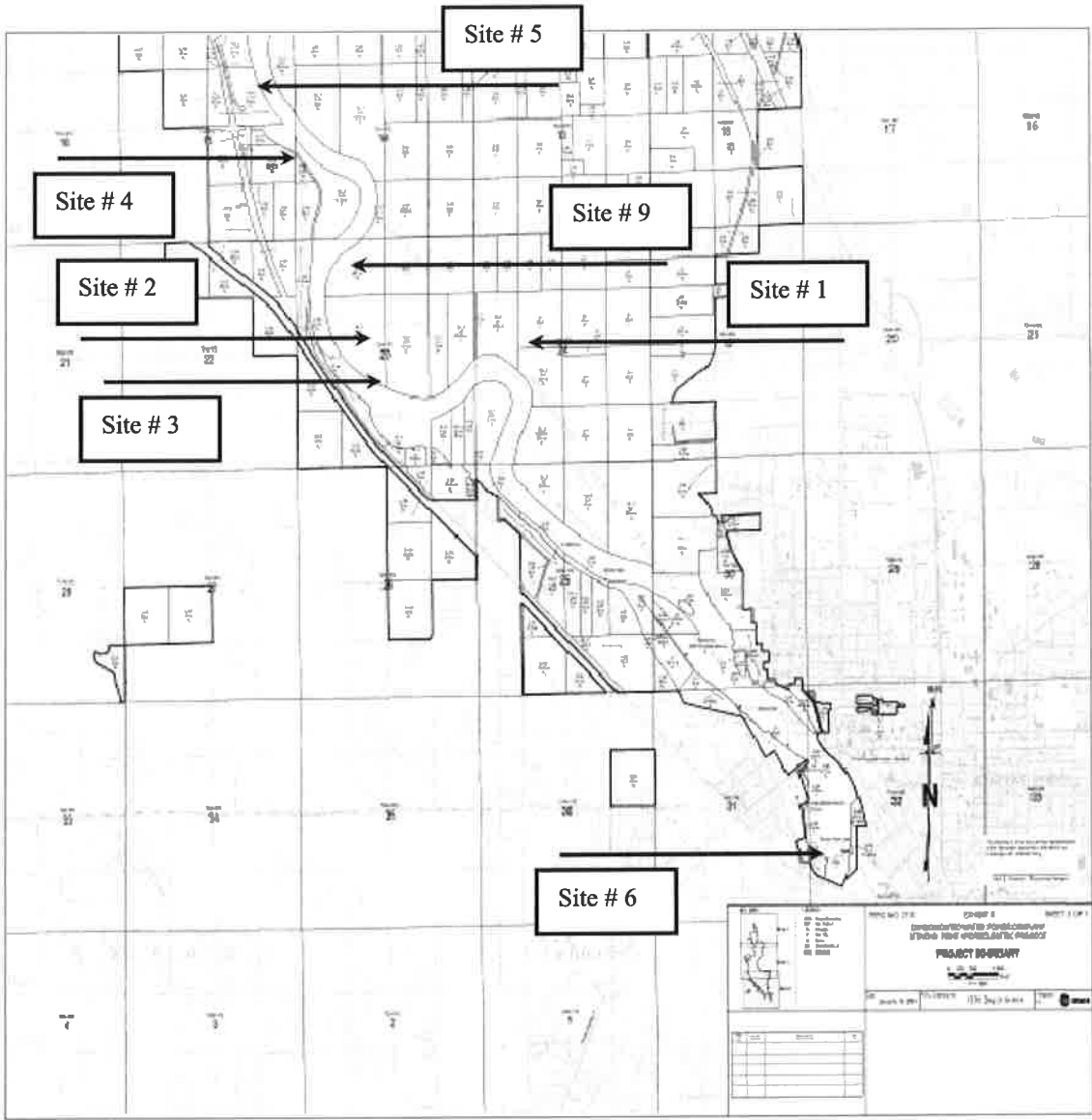
Table 2 - Purple Loosestrife GPS Coordinate Conversion to Google Earth

Stevens Point Hydroelectric Project – Purple Loosestrife Colony Locations 2014 - 2015

Site No.	Description	Current GPS Coordinates	Google Earth GPS Coordinates (degrees)
1	Small island In center of main reservoir	16T 0291958 4935997	Lat 44.548, Long -89.621
2	Sand bar south of Site #2	16T 0290469 4935927	Lat 44.545, Long -89.637
3	Sand bar south of Site #2	16T 0290469 4935927	Lat 44.544, Long -89.635
4	W. shoreline of main channel	16T 0289899 4937064	Lat 44.559, Long -89.645
5	Small island along W. shoreline & main channel	16T 0289548 4937742	Lat 44.562, Long -89.650
6	Bedrock below spillway W. side	16T 0294296 4932408	Lat 44.515, Long -89.588
7	Small island across from old STH 10 recreation site (CTH HH)	16T 0289053 4938540	Lat 44. 569, Long -89.657
8	E. shoreline, 0.5 miles downstream new STH 10 recreation site	16T 0289766 4941127	Lat 44.594, Long -89.645
9	Island East of Martin Island Drive (upstream end)	16T 0289682 4936131	Lat 44. 556, Long -89.644
10	1 st Lake area West shoreline	16T 0288814 4938947	Lat 44. 573, Long -89.661
11	2 nd Lake east finger on side channel	16T 0288027 4938866	Lat 44.581, Long -89.660
12	West shore slough above 2 nd Lake	16T 0286386 4938784	Lat 44.591, Long -89.659







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