

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: ACEI-150-14

Name: LAC VIEUX DESERT LAKE ASSOCIATION, INC: Lac Vieux Desert Aquatic Invasive Species Prevention & Control Project

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/1/2014

End Date: 12/31/2019

Purpose: Lac Vieux Desert Lake Association is sponsoring an ACEI grant on Lac Vieux Desert Lake, in Vilas County. This project will focus on EWM management in Lac Vieux Desert Lake.

Project activities include: 1) Annual hand and DASH removal of EWM; 2) Annual pre/post treatment monitoring, analysis and mapping (early season and mid-late summer AIS surveys for EWM and CLP); 3) Annual wild rice mapping; 4) Annual volunteer AIS monitoring; 5) Conduct boat washing; 6) Entry of monitoring data onto SWIMS; 7) Develop annual project report and final report.

Project deliverables include: 1) Removal of EWM; 2) EWM Pre/post treatment data and mapping; 3) Wild rice maps; 4) Entered monitoring data onto SWIMS; 5) AIS educational, prevention and monitoring activities; 6) Annual reports and final report summarizing EWM management during project and future EWM/CLP management direction, boat washing activities, inspection activities, AIS monitoring and AIS educational activities.

Specific Conditions for this project: Annual reports and final report needs Dept. review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of all annual reports, final report, all maps, all GIS, AIS and aquatic plant survey data, and samples of educational and outreach products.

Objective:

Comments: Grantee is LAC VIEUX DESERT LAKE ASSOCIATION, INC

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Lac Vieux Desert Lake Associat	GRANT_RECIPIENT	ACTIVE	4/1/2014	12/31/2017	Lac Vieux Desert Lake Association	

Project Statuses			
Date	Reported By	Status	Comments

Actions				
Action	Detailed Description	Start Date	End Date	Status
Map Invasive Species	wild rice mapping	4/1/2014	12/31/2017	PROPOSED
Monitor Invasive Species		4/1/2014	12/31/2017	PROPOSED
Monitor Pre and Post Treatment		4/1/2014	12/31/2017	PROPOSED
Project Deliverable	Final Report	4/1/2014	12/31/2017	PROPOSED

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APM Mechanical Permit Request	Manual removal and DASH Removal of EWM	4/1/2014	12/31/2017	PROPOSED
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Details: Parameter	Value/Amount	Units	Comments
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Total Acres harvested

Total pounds of plants harvested

Grant Awarded		4/1/2014	12/31/2017	COMPLETE
Information and Education	AIS Education and Prevention, ex. boat washing	4/1/2014	12/31/2017	PROPOSED
Map Invasive Species	Map EWM and CLP	4/1/2014	12/31/2017	PROPOSED
Project Deliverable	Annual Report	4/1/2014	12/31/2017	PROPOSED
Aquatic Plant Monitoring or Survey		4/1/2014	12/31/2017	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10005973	Lac Vieux Desert	

Assessment Units

WBIC	Segment	Local Name	Official Name
1631900	1	Lac Vieux Desert	Lac Vieux Desert
1631900	2	Lac Vieux Desert (National Forest Campground Beach)	Lac Vieux Desert

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

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Title	Description	Author	Published	Comments
2014 Lac Vieux Desert Aquatic Invasive Species Control Program Annual Reporting	<p>In 2014, the Lac Vieux Desert Lake Association (LVDLA) received a Wisconsin Department of Natural Resources (WDNR) Aquatic Invasive Species Established Population Control Grant to manage for Eurasian water milfoil (EWM) on Lac Vieux Desert. These funds will assist in management efforts for the proposed project period from 2014 to 2017. This report is an annual update of progress and work completed as detailed under the proposed project scope for 2014. Specifically this report is a synthesis of (1) aquatic invasive species (AIS) monitoring efforts and findings, (2) management strategies and efforts, (3) and summary of lake stewardship and AIS prevention activities. Through dialog amongst stakeholders, the foremost shared concern with the traditional management of EWM using aquatic herbicides are unknown non-target impacts to wild rice (<i>Zizania palustris</i>). At this time, there is a mutual understanding that to provide added protection to wild rice, the management of aquatic invasive species on Lac Vieux Desert will not include the use of aquatic herbicides. The chosen strategy discussed and favored by stakeholders is to manage EWM on Lac Vieux Desert with hand removal. This strategy is selective at removing the target species and is consistent with options that would provide the desired level of protection to wild rice at this time. Hand removal includes two methods: the use of divers alone and the use of divers with Diver Assisted Suction Harvesting equipment. Hand removal alone, does not require a permit from the State of Wisconsin, however requires a joint MDEQ/USACE permit from the State of Michigan. The use of DASH requires a joint MDEQ/USACE permit from the State of Michigan and a Mechanical Harvesting permit from the State of Wisconsin.</p>	Many Waters, LLC	10/15/2014	

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2017 Lac Vieux Desert Aquatic Invasive Species Control Program Annual Reporting	This report is a summary of AIS activities completed in 2017 and includes work funded by the WDNR Aquatic Invasive Species Grant # ACEI-150-14 and a USDA Secure Rural Schools Title II project (herein referred to as RAC) sponsored by the Invasive Species Control Coalition and the Lac Vieux Desert Lake Association (LVDLA). Generally, Gogebic County RAC projects shall provide specific benefit to USFS lands and adjacent lands. The LVD RAC project is primary focused on Eurasian watermilfoil (EWM) monitoring and management, however includes mapping nearshore terrestrial and wetland invasive species with emphasis on USFS Ottawa NF high priority and new invader/high priority plant species.	Many Waters, LLC	1/1/2017	
Lac Vieux Desert AIS Control Grant Application		Rob Anderson	1/31/2014	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix A - Stakeholder Meetings]	Meeting minutes from the Lac Vieux Desert Annual Meetings for 2014, 2016, and 2017.		4/3/2019	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix B - USFS Invader Priority]	List of invasive species and priority of mapping and treatment.		4/3/2019	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix C - eDNA]	eDNA results for testing for a list of invasive species.		10/16/2015	

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Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix D - 2014 DASH Report]	The Lac Vieux Desert Lake Association (LVDLA) solicited the services of Many Waters, LLC to utilize their Diver Assisted Suction Harvesting (DASH) system to manage for Eurasian watermilfoil (EWM) on Lac Vieux Desert (LVD), located approximately four miles east of Land O lakes, WI. DASH is a mechanical process and requires a mechanical harvesting permit (Form 3200-113 (R 3/04)) from the Wisconsin Department of Natural Resources (WDNR). In July of 2014, Many Waters, LLC on the behalf of the LVDLA received a Mechanical Harvesting Permit from the WDNR to use DASH (Permit ID # MNOR-64-14-04, WBIC: 1631900).	Many Waters, LLC	11/28/2014	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix D - 2015 DASH Report]	The Lac Vieux Desert Lake Association solicited the services of Many Waters, LLC to use Diver Assisted Suction Harvesting (DASH) to manage for Eurasian watermilfoil (EWM) on Lac Vieux Desert, located in Vilas County Wisconsin and Gogebic County Michigan. DASH is a mechanical process and requires a mechanical harvesting permit (Form 3200-113 (R 3/04)) from the Wisconsin Department of Natural Resources (WDNR). The 2015 Permit ID is NO-2015-64-90M.	Many Waters, LLC	11/30/2015	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix D - 2016 DASH Report]	The Lac Vieux Desert Lake Association solicited the services of Many Waters, LLC to use Diver Assisted Suction Harvesting (DASH) to manage for Eurasian watermilfoil (EWM) on Lac Vieux Desert, located in Vilas County Wisconsin and Gogebic County Michigan. DASH is a mechanical process and requires a mechanical harvesting permit (Form 3200-113 (R 3/04)) from the Wisconsin Department of Natural Resources (WDNR). The 2016 Permit ID is NO-2016-64-60M.	Many Waters, LLC	11/26/2016	

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Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix D - 2017 DASH Report]	The Lac Vieux Desert Lake Association solicited the services of Many Waters, LLC to use Diver Assisted Suction Harvesting (DASH) to manage for Eurasian watermilfoil (EWM) on Lac Vieux Desert, located in Vilas County Wisconsin and Gogebic County Michigan. DASH is a mechanical process and requires a mechanical harvesting permit (Form 3200-113 (R 3/04)) from the Wisconsin Department of Natural Resources (WDNR). The 2017 Permit ID is NO-2017-64-71M.	Many Waters, LLC	11/27/2017	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [Appendix D - 2018 DASH Report]	The Lac Vieux Desert Lake Association solicited the services of Many Waters, LLC to use Diver Assisted Suction Harvesting (DASH) to manage for Eurasian watermilfoil (EWM) on Lac Vieux Desert, located in Vilas County Wisconsin and Gogebic County Michigan. DASH is a mechanical process and requires a mechanical harvesting permit (Form 3200-113 (R 3/04)) from the Wisconsin Department of Natural Resources (WDNR). 2018 WDNR Permit ID number is NO-2018-64-0154M.	Many Waters, LLC	1/1/2018	
Lac Vieux Desert Aquatic Invasive Species Control Program Final Reporting [DRAFT]	This report summarizes WDNR ACEI-150-14 grant activities for aquatic invasive species (AIS) management from 2014 to 2018 and serves as the final grant deliverable. Though sponsored by the Lac Vieux Desert Lake Association (LVDLA), additional funds from a WDNR AEPP54618 grant (LVDLA sponsored), and a USDA Secure Rural Schools Title II project (herein referred to as RAC) #14-PA-11090700-011 sponsored by the Invasive Species Control Coalition (ISCCW) contributed to this project. In addition, partner match (local-share) includes the ISCCW, USFS Ottawa National Forest and Great Lakes Indian Fish and Wildlife Commission (GLIFWC).	Many Waters, LLC	4/3/2019	
Lac Vieux Desert Aquatic Invasive Species Prevention and Control Project Application		Lac Vieux Desert Lake Association	1/31/2014	

Budget

5/20/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date