

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: AEPP46216

Name: DEER LAKE IMPROVEMENT ASSOCIATION: Deer Lake APM Plan Update & AIS Monitoring

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Education

Status: COMPLETE

Start Date: 2/15/2016

End Date: 12/31/2018

Purpose: Deer Lake Improvement Association is sponsoring a project to conduct AIS monitoring and update the APM plan for Deer Lake.

Project deliverables include GIS data & maps of areas monitored, aquatic plant survey results, examples of AIS education & outreach, volunteer AIS monitoring data in SWIMS, and an updated APM plan.

Specific project activities include: 1)Spring and summer whole lake point intercept plant survey; 2) AIS education & monitoring; 3) Update Rapid Response Plan; 4) Aquatic Plant Management Plan (APM) update.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for point-intercept survey monitoring and aquatic plant management plan development. The NOR Native Plant Protection Strategy shall be integrated into the APM plan; 2) Sponsor shall contact DNR immediately if a new AIS is found; 3) AIS monitoring personnel shall be trained and follow DNR approved protocols; 4) Education materials shall be consistent with the Department\2019s statewide education strategy for preventing and controlling AIS; 5) All monitoring and watercraft inspection data shall be entered into SWIMS.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. The grant sponsor shall submit all data, records, and reports, including GIS-based maps and digital images, to the Department in a format specified by the regional Lakes Biologist.

Objective:

Comments: Grantee is DEER LAKE IMPROVEMENT ASSOCIATION

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Deer Lake Improvement Associat	GRANT_RECIPIENT	ACTIVE	4/18/2016		Deer Lake Improvement Association	

Project Statuses			
Date	Reported By	Status	Comments

Actions				
Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant AEPP46216 awarded	2/15/2016	12/31/2017	COMPLETE

Monitoring Stations

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Station ID		Name		Comments		
Assessment Units						
WBIC	Segment	Local Name		Official Name		
2619400	1	Deer Lake		Deer Lake		
Lab Account Codes						
Account Code		Description			Start Date	End Date
Forms						
Form Code		Form Name				
Methods						
Method Code		Method Description				
Fieldwork Events						
Start Date	Status	Field ID	Station ID	Station Name		
Documents						
Title		Description		Author	Published	Comments
AEPP 462 16_Approval_Deer Lake APM Plan_10192017		Approval letter			10/19/2017	

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Aquatic Marophyte Survey - Deer Lake, Polk County Wisconsin - July 2016	In April, June and July of 2016 a point intercept aquatic macrophyte survey was conducted on Deer Lake in Polk County Wisconsin. The spring survey was to evaluate the presence of Potamogeton crispus-curly leaf pondweed (CLP). CLP was sampled in six locations of the sample grid and located in numerous other locations outside of the grid. The later season survey in July found 31 species of native plant sampled. Four species of invasive species were observed but not sampled. The Simpsons diversity index was 0.90. The maximum depth of plants was 26.2 feet and the mean depth of plants was 10.7 feet. 87.8% of the defined littoral zone had aquatic plants present. The floristic quality index was 33.8 which is much higher than the ecoregion median of other lakes. Compared to a 2010 aquatic macrophyte survey, there was a statistically significant increase in four native species and a significant decrease in three native species. The floristic quality index was slightly higher in 2016. All other parameters were similar in both surveys.	Ecological Integrity Service	7/1/2016	
Aquatic Plant Management Plan - Deer Lake - Polk County, Wisconsin	This Aquatic Plant Management Plan for Deer Lake presents a strategy for managing aquatic plants by protecting native plant populations, managing curly leaf pondweed, and preventing establishment of invasive species through the year 2021. The plan also covers a response to zebra mussels, an aquatic invader found in the lake in late 2016. The plan includes data about the plant community, watershed, and water quality of the lake. It also reviews a history of aquatic plant management on Deer Lake.	Harmony Environmental	7/1/2017	

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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