

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AEPP46316
Name: LONG LAKE PROT & REHAB DIST: Long Lake APM Plan Update & AIS Prevention & Monitoring
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Education
Status: COMPLETE
Start Date: 02/15/2016
End Date: 12/31/2017
Purpose: Long Lake P&R District is sponsoring a project to conduct AIS monitoring and update the APM plan for Long 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) 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 LONG LAKE PROT & REHAB DIST
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Long Lake P & R District,	GRANT_RECIP	ACTIVE	06/01/2016		Long Lake P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant AEPP46316 awarded	02/15/2016	12/31/2017	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2478200	1	Long Lake T34n R17w S06	Long Lake

Lab Account Codes

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Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
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Aquatic Plant Management Plan - Long Lake - Polk County	This Aquatic Plant Management Plan updates the 2012 Long Lake Aquatic Plant Management Plan through 2022. The strategies for controlling curly leaf pondweed, protecting native plant populations, preventing establishment of invasive species, and allowing navigation through aquatic plant beds were updated. The plan includes data about the plant community, watershed, and water quality of the lake. It also reviews the history of aquatic plant management on Long Lake.	Harmony Environmental	10/01/2017	
Curly-leaf pondweed (Potamogeton crispus) Post Herbicide Turion Survey - Long Lake	Long Lake (WBIC 2620600) is a 2,054 acre stratified drainage lake in central Polk County, Wisconsin in the Towns of Long Lake, Milltown, Georgetown, and Apple River (T34N R17W S10 NE NE). The lake reaches a maximum depth of 37ft north of Cedar Island in the western basin and has an average depth of 20ft (Hopke et al. 1964). Long Lake is mesotrophic bordering on eutrophic in nature, and water clarity is fair with historical summer Secchi readings averaging 6ft in East Long, 7ft in Little Long, and 8ft in the deep hole north of Cedar Island (WDNR 2016). Bottom substrate is variable with muck bottoms in most bays, and rock/sand bars in the Big and Little Narrows and around the lake's many islands.	Matthew S. Berg	10/29/2016	
Curly-leaf pondweed (Potamogeton crispus) Pre/Post Herbicide and June Bed Mapping Surveys - Long Lake	Long Lake (WBIC 2478200) is a 272 acre seepage lake in central Polk County, Wisconsin in the Town of Balsam Lake (T34N R17W S07 NE NE). It reaches a maximum depth of just over 17ft in the central basin and has an average depth of approximately 11ft (Busch et al. 1969) (Figure 1). Long Lake is eutrophic trending toward hypereutrophic, and visibility is generally poor with summer Secchi readings averaging 4.6ft since 1992 (WDNR 2016). The bottom substrate	Matthew S. Berg	06/11/2016	

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Title	Description	Author	Published	Comments
	in the lake's bays and central basin is predominately thick organic muck, while exposed points and most north/south shorelines are dominated by gravel and sand substrates.			
Long Lake APM Approval Letter	Approval letter for APM at Long Lake in Polk County.	Alex Smith	11/07/2017	
Long Lake Management Plan Amendment Approval Request	Approval of the amendment to the Long Lake Aquatic Plant Management Plan.	Alex Smith	11/16/2017	
Long Lake PI Survey [Raw Excel Data]	PI survey for Long Lake in Polk County.		12/22/2016	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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