

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: 02/15/2016
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 Assc | GRANT_RECIPII | ACTIVE | 04/18/2016 | | Deer Lake Improvement Association | |

Project Statuses

| Date | Reported By | Status | Comments |
|------|-------------|--------|----------|
|------|-------------|--------|----------|

Actions

| Action | Detailed Description | Start | End Date | Status |
|---------------|-------------------------|------------|------------|----------|
| Grant Awarded | Grant AEPP46216 awarded | 02/15/2016 | 12/31/2017 | COMPLETE |

Monitoring Stations

| Station ID | Name | Comments |
|------------|------|----------|
|------------|------|----------|

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|------------|---------------|
| 2619400 | 1 | Deer Lake | Deer Lake |

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Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

Methods

| Method Code | Description |
|-------------|-------------|
|-------------|-------------|

Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

Documents

| Title | Description | Author | Published | Comments |
|--|---|------------------------------|------------|----------|
| Aquatic Macrophyte 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 Simpson's 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 | 07/01/2016 | |
| 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 | 07/01/2017 | |

Budget

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Combined Budgets:

Combined SLOH:

Combined Total:

Funding

| Organization | Source | Type | Amount | Start Date | End Date |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|