

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AEPP-411-14  
**Name:** CO/PA/PI VOLUNTARY LAKE ASSOCIATION: Connors Lake & Lake of the Pines AIS Prevention  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Education  
**Status:** ACTIVE  
**Start Date:** 10/01/2013  
**End Date:** 12/31/2020  
**Purpose:** CO/PA/PI Voluntary Lake Association is sponsoring a 4-yr project to conduct AIS monitoring and update the APM plan for the three lakes.

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

Specific project activities include: 1) Pre-post treatment aquatic plant monitoring; 2) Point Intercept plant survey on Lake of the Pines & Papoose Lake; 3) Watercraft inspections, including Landing Blitz participation; 4) AIS education & monitoring; 5) 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 and watercraft inspection 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.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lakes Biologist.

**Objective:**  
**Comments:** Grantee is CO/PA/PI VOLUNTARY LAKE ASSOCIATION  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

| Name                       | Role        | Status | Start Date | End Date   | Organization                  | Comments |
|----------------------------|-------------|--------|------------|------------|-------------------------------|----------|
| Co Pa Pi Lake Association, | GRANT_RECIP | ACTIVE | 10/01/2013 | 12/31/2017 | Co Pa Pi Lake Association     |          |
| Schofield, Jim             | COORDINATOR | ACTIVE | 10/01/2013 | 12/31/2017 | CoPaPi Vol. Lakes Association |          |
| Smith, Alex R              | COORDINATOR | ACTIVE | 10/01/2013 | 12/31/2017 | Wisconsin DNR                 |          |
| Stram, Thomas              | COORDINATOR | ACTIVE | 10/01/2013 | 12/31/2017 |                               |          |

### Project Statuses

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

### Actions

| Action                             | Detailed Description | Start      | End Date   | Status   |
|------------------------------------|----------------------|------------|------------|----------|
| Grant Awarded                      | Little Papoose Lake  | 10/01/2013 | 12/31/2017 | PROPOSED |
| Grant Awarded                      | Lake of the Pines    | 10/01/2013 | 12/31/2017 | PROPOSED |
| Monitor Pre and Post Treatment     |                      | 10/01/2013 | 12/31/2017 | PROPOSED |
| Aquatic Plant Monitoring or Survey |                      | 10/01/2013 | 12/31/2017 | PROPOSED |
| Aquatic Plant Management Plan      |                      | 10/01/2013 | 12/31/2017 | PROPOSED |

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| Action  | Detailed Description | Start      | End Date   | Status   |
|---|----------------------|------------|------------|----------|
| Watercraft Inspections Clean Boats,<br>Clean Waters<br>Monitor Invasive Species |                      | 10/01/2013 | 12/31/2017 | PROPOSED |
| Grant Awarded   | Connors Lake         | 10/01/2013 | 12/31/2017 | COMPLETE |

### Monitoring Stations

| Station ID | Name                | Comments |
|------------|---------------------|----------|
| 10005550   | Connors Lake        |          |
| 10005551   | Lake Of The Pines   |          |
| 10006404   | Little Papoose Lake |          |

### Assessment Units

| WBIC    | Segment | Local Name                    | Official Name       |
|---------|---------|-------------------------------|---------------------|
| 2275100 | 1       | Connor Lake                   | Connors Lake        |
| 2275300 | 1       | Lakes Of The Pines (Pickerel) | Lake of the Pines   |
| 2328200 | 1       | Little Papoose Lake           | Little Papoose Lake |

### 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 |
|--|--|----------------------------------|------------|----------|
| 2014 EWM Survey/Treatment Analysis. Connors Lake [WBIC 2275100], Sawyer County, WI | EWM analysis   | Ecological Integrity Servie, LLC | 12/01/2014 |          |
| 2015 EWM Survey/Treatment Analysis Connors Lake, Sawyer County, WI                 | In Sept, 2014 Eurasian water milfoil (EWM) was surveyed in Connors Lake. These EWM survey results were used to recommend treatment beds for 2015. These beds were evaluated and a discussion occurred to determine if all of Musky Bay should be treated. In the end, the Association determined that treating the smaller beds would be the best practice. On June 8, 2015 there were six EWM beds, totaling 3.46 acres treated with the herbicide 2,4-D (Navigate granular). The beds were delineated from the results of a survey conducted in fall, 2014. After treatment in June 2015, a survey was | Ecological Integrity Service     | 01/15/2016 |          |

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| Title  | Description  | Author  | Published         | Comments |
|--|--|---|-------------------|----------|
| <p>2018 EWM Survey/Treatment Analysis Connors Lake, Sawyer County, WI</p>                | <p>conducted to evaluate the treatment beds as well as survey for EWM throughout the entire lake. The herbicide treatment was determined to be successful. The pre-treatment frequency from 2014 showed a frequency of 100% within the treatment beds. After treatment that frequency was reduced to 9.1%. A chi-square analysis shows the frequency reduction was statistically significant. In September 2015, the EWM is limited in growth scattered throughout Musky Bay, which is where the EWM has most commonly been growing. The EWM is widely scattered within this bay with only five locations with EWM having a density of 2%. No locations with a density of 3% were observed. It appears that this robust, native plant community may be keeping the EWM scattered and not reaching dense, monotypic growth. It is not recommended to treat small beds of EWM in this region in 2016 as the effectiveness will be reduced in small beds and the EWM growth is too limited to warrant such an application. On August 14, 2017 the entire littoral zone of Connors Lake was surveyed for EWM. This report shows changes in EWM population as seen in the 2018 PI survey. This survey involved a meandering of all areas with plants and viewing with a surface viewing scope and verified with rake samples as needed. All locations with EWM were recorded with GPS and given a rake density rating. In addition, two areas designated as mid-tolerant EWM areas were surveyed using a pre-established sample point grid.</p> | <p>Ecological Integrity Service</p>                       | <p>08/01/2018</p> |          |
| <p>Aquatic Invasive Species (AIS) Control Grant Application [EWM Management Connors]</p> |  | <p>Thomas Stram and Jim Schofield</p>                     | <p>07/29/2013</p> |          |
| <p>Aquatic Plant Management Plan - Connors Lake, Lake of the Pines, and Papoose Lake</p> | <p>This Aquatic Plant Management Plan for Connors Lake, Lake of the Pines, and Papoose Lake in Sawyer County Wisconsin presents a strategy for managing aquatic plants by protecting native plant populations, controlling the growth of Eurasian water milfoil (EWM), and preventing establishment of additional invasive species. The plan includes data about the plant community, watershed, and water quality of the lakes. Based on this data and public input, goals and strategies for the management of aquatic plants in the lake are presented. This plan will guide the Co/Pa/Pi Voluntary Lake Association and the Wisconsin</p>  | <p>Harmony Environmental Ecological Integrity Service</p> | <p>06/01/2017</p> |          |

## Wisconsin Department of Natural Resources SWIMS Project Summary

| Title | Description  | Author | Published | Comments |
|-------|--|--------|-----------|----------|
|       | Department of Natural Resources in aquatic plant management for the lakes over the next five years (from 2017 through 2021). |        |           |          |

### Budget

Combined Budgets:  
Combined SLOH:  
Combined Total:

### Funding

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