

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: ACEI-137-13

Name: RED CEDAR LAKES ASSOCIATION: Curly Leaf & Purple Loosestrife Control & Monitoring 2013 - 2015

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/1/2013

End Date: 6/30/2018

Purpose: Red Cedar Lakes Association is sponsoring a 3-yr project to implement approved activities from the Red Cedar Lakes Aquatic Plant Management Plan.

Project deliverables include GIS data & maps of areas monitored, aquatic plant & turion monitoring results, examples of AIS education & outreach, AIS monitoring & watercraft inspection data in SWIMS, water quality data in SWIMS, management/treatment summaries.

Specific project activities include: 1) Curly-leaf pondweed chemical & manual control; 2) Purple Loosestrife control; 3) Pre-post treatment aquatic plant monitoring; 4) Turion monitoring; 5) Hire AIS Coordinator; 6) Watercraft inspections; 7) AIS monitoring & education; 8) Dissolved oxygen and temperature profile monitoring; 9) Wild Rice mapping & education.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring; 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.

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 RED CEDAR LAKES ASSOCIATION

Outcome:

Study Design:

QA Measures:

| People | | | | | | |
|------------------------------|-----------------|--------|------------|----------|-----------------------------|----------|
| Name | Role | Status | Start Date | End Date | Organization | Comments |
| Red Cedar Lakes Association, | GRANT_RECIPIENT | ACTIVE | 6/13/2013 | | Red Cedar Lakes Association | |

| Project Statuses | | | |
|------------------|-------------|--------|----------|
| Date | Reported By | Status | Comments |

| Actions | | | | |
|-----------------------------|----------------------|------------|-----------|----------|
| Action | Detailed Description | Start Date | End Date | Status |
| APM Chemical Permit Request | | 4/1/2013 | 6/30/2016 | PROPOSED |

| Details: Parameter | Value/Amount | Units | Comments |
|------------------------|--------------|-------|----------|
| 24D Granular, # Acres | | | |
| 24D Granular, # Pounds | | | |

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| Details: Parameter | Value/Amount | Units | Comments |
|---|--------------|-------|----------|
| 24D Liquid, # Acres | | | |
| 24D Liquid, # Pounds | | | |
| Acres Treated - 1997 to 2003 | | | |
| Amount of Chemicals used - 1997 to 2003 | | | |
| Aqua-Pro Acres | | | |
| Aqua-Pro Gallons | | | |
| Aquacide, # Pounds | | | |
| Aquaneat Acres | | | |
| Aquaneat Gallons | | | |
| Aquashade Acres | | | |
| Aquashade Pounds | | | |
| Aquastar Acres | | | |
| Aquastar Gallons | | | |
| Aquathol Acres | | | |
| Aquathol Gallons | | | |
| Aquathol K Acres | | | |
| Aquathol K Gallons | | | |
| Aquathol, # Pounds | | | |
| Avast Acres | | | |
| Avast Gallons | | | |
| Chemicals Used - 1997 to 2003 | | | |
| Clearcast Acres | | | |
| Clearcast Gallons | | | |
| Clearigate Acres | | | |
| Clearigate Gallons | | | |
| Comments | | | |
| Contains Herbicide totals | | | |
| Copper Acres | | | |
| Copper Liquid, # Acres | | | |
| Copper Liquid, # Gallons | | | |
| Copper Pounds | | | |
| Citrine Acres | | | |
| Citrine Liquid Acres | | | |
| Citrine Liquid Gallons | | | |
| Citrine Plus Acres | | | |
| Citrine Plus Liquid Acres | | | |
| Citrine Plus Liquid Gallons | | | |
| Citrine Plus Pounds | | | |
| Citrine Pounds | | | |
| Citrine Ultra Acres | | | |

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| Details: Parameter | Value/Amount | Units | Comments |
|--|--------------|-------|----------|
| Cutrine Ultra Gallons | | | |
| DMA 4 IVM Acres | | | |
| DMA 4 IVM Gallons | | | |
| Did Treatments Occur | | | |
| Diquat Acres | | | |
| Diquat Gallons | | | |
| Diquat Liquid Acres | | | |
| Diquat Pounds | | | |
| Endotholl Acres | | | |
| Endotholl Liquid Acres | | | |
| Endotholl Liquid Gallons | | | |
| Endotholl Pounds | | | |
| Fee | | | |
| Floridone Acres | | | |
| Floridone Gallons | | | |
| Glyphosate Acres | | | |
| Glyphosate Gallons | | | |
| Glyphosate Liquid Acres | | | |
| Glyphosate Pounds | | | |
| Green Clean Acres | | | |
| Green Clean Gallons | | | |
| H2O2 Acres | | | |
| H2O2 Pounds | | | |
| Habitat Acres | | | |
| Habitat Gallons | | | |
| Harvester Acres | | | |
| Harvester Gallons | | | |
| Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107? | | | |
| Hydrothol Acres | | | |
| Hydrothol Gallons | | | |
| Imazapyr Acres | | | |
| Imazapyr Gallons | | | |
| Nautique Acres | | | |
| Nautique Gallons | | | |
| Navigate Acres | | | |
| Navigate, # Pounds | | | |
| Onsite Supervision Present? | | | |
| Permit # | | | |
| Phycomycin Acres | | | |

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| Details: Parameter | Value/Amount | Units | Comments | | |
|--|--------------|----------|-----------|----------|--|
| Phycomycin Pounds | | | | | |
| Polaris Acres | | | | | |
| Polaris Gallons | | | | | |
| Refuge Acres | | | | | |
| Refuge Gallons | | | | | |
| Reward Acres | | | | | |
| Reward Gallons | | | | | |
| Reward Liquid Acres | | | | | |
| Reward Pounds | | | | | |
| Rodeo Acres | | | | | |
| Rodeo Gallons | | | | | |
| SCI-62 Acres | | | | | |
| SCI-62 Gallons | | | | | |
| Sculpin G Acres | | | | | |
| Sculpin G Pounds | | | | | |
| SeClear Acres | | | | | |
| SeClear Gallons | | | | | |
| ShoreKlear Acres | | | | | |
| ShoreKlear Gallons | | | | | |
| Sonar AS Gallons | | | | | |
| Sonor AS Acres | | | | | |
| Touchdown Pro Acres | | | | | |
| Touchdown Pro Gallons | | | | | |
| Treatment Date | | | | | |
| Treatment Date Series | | | | | |
| Tribune Acres | | | | | |
| Tribune Gallons | | | | | |
| Vectobac Acres | | | | | |
| Vectobac Gallons | | | | | |
| Aquatic Plant Monitoring or Survey | | 4/1/2013 | 6/30/2016 | PROPOSED | |
| APM Mechanical Permit Request | | 4/1/2013 | 6/30/2016 | PROPOSED | |
| Details: Parameter | Value/Amount | Units | Comments | | |
| Total Acres harvested | | | | | |
| Total pounds of plants harvested | | | | | |
| Watercraft Inspections Clean Boats, Clean Waters | | 4/1/2013 | 6/30/2016 | PROPOSED | |
| Monitor Invasive Species | | 4/1/2013 | 6/30/2016 | PROPOSED | |
| Grant Awarded | | 4/1/2013 | 6/30/2016 | COMPLETE | |
| Information and Education | | 4/1/2013 | 6/30/2016 | PROPOSED | |
| Monitor Pre and Post Treatment | | 4/1/2013 | 6/30/2016 | PROPOSED | |

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|--|--------------|----------|-----------|----------|
| Monitor Water Quality or Sediment | | 4/1/2013 | 6/30/2016 | PROPOSED |
| Project Deliverable | final report | 4/1/2013 | 6/30/2016 | PROPOSED |
| Hire Local Aquatic Invasives Coordinator | | 4/1/2013 | 6/30/2016 | PROPOSED |

Monitoring Stations

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

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|-----------------|-----------------|
| 2063500 | 1 | Red Cedar River | Red Cedar River |
| 2109600 | 1 | Red Cedar Lake | Red Cedar Lake |
| 2109700 | 1 | Hemlock Creek | Hemlock Creek |
| 2110400 | 1 | Hemlock Lake | Bolger Flowage |
| 2111800 | 1 | Pigeon Creek | Pigeon Creek |
| 2112200 | 1 | Sucker Creek | Sucker Creek |
| 2112800 | 1 | Balsam Lake | Balsam 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 |
|---|-------------------------|----------------------------|-----------|----------|
| 2013 Aquatic Plant Management Summary Report [Red Cedar Lake, WBIC 2109600] | 2013 APM Red Cedar Lake | Red Cedar Lake Association | 3/10/2014 | |

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|---|--|-------------------------------------|------------|--|
| 2015 Assessment of Additional Plots in Red Cedar Lake | The Red Cedar Lake Association asked Freshwater Scientific Services to evaluate curly leaf pondweed growth and sediment turion abundance in two additional areas of Red Cedar Lake (Plot 1 in north-central bay, Plot 2 near Pigeon Creek inflow site) to help determine whether these areas should be considered for management in 2016 and beyond. | Freshwater Scientific Services, LLC | 11/15/2015 | |
| 2015 Assessment of Aquatic Plants in Treated Plots Spring Endothall Treatment to Control Curlyleaf Pondweed | Two plots, one in Red Cedar Lake and one in Hemlock Lake, were treated with endothall on May 8, 2015 to control curly leaf pondweed (Potamogeton crispus; henceforth referred to as CLP). We conducted point-intercept vegetation surveys in both treatment plots prior to treatment (April 23, 2015; pretreatment) and again about 1 month after treatment (June 1, 2015; posttreatment). These surveys were designed to assess whether the treatments effectively controlled CLP in the treated plots and to document any changes in the frequency and abundance of native aquatic plants. In addition, we collected sediment samples from both plots on Oct 22, 2015 to assess the abundance and distribution of curly leaf pondweed turions (reproductive buds). | Freshwater Scientific Services, LLC | 11/15/2015 | |
| Pack of Information for the Fourth Payment during the Third Year of the Grant | Herbicide treatment of CLP on Hemlock and Red Cedar Lakes. The acreage treated on Red Cedar Lake increased due to a pre-survey indicating an increase in the amount of CLP on the lake. Water sampling, secchi data, dissolved oxygen rates monitored by volunteers for Red Cedar Lake, Balsam Lake, and Hemlock Lake. Clean Boats Clean Waters monitored landings and then treatments of hand-cutting, bio control, and spraying were used to treat problem areas. Public education was also done. | Red Cedar Lakes Association | 12/18/2015 | |
| Summar of Pretreatment Survey Results: May 2014 [Red Cedar Lake, WBIC 2109600] | Red Cedar Lake Pretreatment survey 2014 | James A. Johnson | 5/20/2014 | |

Budget

7/27/2024

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

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