SOIL HEALTH STEWARDS

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Nashotah, Wisconsin
EXPANDING AND UNTETHERING SOIL HEALTH PROGRAMMING

THROUGH WATERSHED PARTNERSHIPS

Stats:
- 49 Miles in length
- 17 Lakes (10 impoundments)
- 83,000 acres
- 3,000 animal units
- 46% Agriculture
- 19% Wetland
- 14% Forest
- 11% Urban, suburban
- 10% Water or open land

Estimated Phosphorous Load:
- 70% of total loading is non-point source
- 30% of total loading is point source

Proposed Annual Reduction Targets (each 5 yr permit term):

<table>
<thead>
<tr>
<th></th>
<th>Permit Term 1</th>
<th>Permit Term 2</th>
<th>Permit Term 3</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>WWTF Effluent Reductions</td>
<td>2.504</td>
<td></td>
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<td>2.504</td>
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<tr>
<td>CSA Management Measures</td>
<td>2.175</td>
<td>1.071</td>
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<td>3.246</td>
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<td>Lake Improvements</td>
<td>200</td>
<td>600</td>
<td>200</td>
<td>1,000</td>
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<td>Streambank Stabilization</td>
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<td>City of Oconomowoc MS4</td>
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<td>2,000</td>
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<td><strong>Total</strong></td>
<td><strong>5,079</strong></td>
<td><strong>2,771</strong></td>
<td><strong>1,900</strong></td>
<td><strong>9,750</strong></td>
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Long Term Projects
By BMP Type, Acreage, and Sites

- Prescribed Grazing - 1 acre
- Tile Outlet Repairs - 1 acre
- Grasped Swales - 2 acres
- Wetland Restoration - 2 acres
- Sedimentation Basin - 2 acres
- Scrapes - 2 acres
- Reforestation - 1 acre
- Field Borders - 1 acre
- Filter / Buffer Strip - 7 acres
- Pollinator Cover - 7 acres
- Conservation Cover - 16 acres
- Animal Control - 2 acres

Totals as of Jan. 2021
44 Long Term projects
530 acres in BMPs
800 Est. Controlled acres
Estimated lbs of P Reduction Annually, as of end of 2020

Long Term Projects: 530 acres
Seasonal Cover: 2000 acres
Total: 2530 acres

P Reduction: x 1 lb P per acre/year
2530 lbs of P controlled

At 500 lbs of algae per lb of P, that’s 1,265,000 lbs of algae! 👍
EXPANDING AND UNTETHERING SOIL HEALTH PROGRAMMING THROUGH FEE SIMPLE OWNERSHIP

Harvest View Farms, Inc

SAVANNA INSTITUTE

American Farmland Trust
RAVENSHOLME ON THE RIVER

• Approx. 280 acres
• Fee Simple Owned Property (Donated)
• 170 acres Prime or Important Agricultural Soils
• 110 acres riparian, wetland, hardwood forest

• Project Plan:
  • Develop 280-acre regenerative farm and Agroforestry demonstration site.
  • Metrics of Success include:
    • Soil Health Improvements and enhanced Farm Economic Viability