

Fond du Lac Goals

Surface Water Quality Goals – Fond du Lac

Identify and address ground and surface water quality problems stemming from inadequate wastewater treatment by supporting the enforcement of SSTS ordinances and inventory and upgrade X% of non-compliant systems in priority areas.

- Outreach to Big Lake residents - Septic system maintenance
- Education and Outreach campaign to SSTS landowners in targeted areas.
- SSTS evaluation of County records to assess potential risks
- Support enforcement follow-up for non-low-income systems
- Support of County Staff to enforce SSTS ordinances.
- Provide additional cost share for low-income system replacements
- Cost share x high priority septic systems for low-income residents. (St. Louis County typically do 10 systems a year)
- Support training of new SSTS professionals
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Manage chlorides reaching surface and ground water from road salts and water softener salts by ensuring X% of municipalities have Smart Salt Certified Staff, X% Communities achieved Level 2 Certified & education & outreach to X% of priority landowners.

- Provide Smart Salt training to 4 FDL staff
- Evaluate County's salt training with Smart Salt training and identify gaps.
- Provide cost share for staff smart salt training
- Educate large property owners on salt use and promote smart salt training

Altered Hydrology Goals – Fond du Lac

Reconnect X miles of priority streams and tributaries to benefit aquatic life and improve water quality.

- Remove barriers at Martin Branch (Stevens Road)
- Fund culvert design at Martin Branch (Stevens Road)

Restore stream reaches that have been altered by human activity, including impounded, straightened, and incised stream reaches on X Linear Feet of high priority streams and tributaries.

- Fund designs for stream restoration at Martin Branch (Stevens Road)
- Restore 1000 feet of stream channel @ Martin Branch (Stevens Road)
- Deploy drone to gather footage of beaver dam extent at Simian Creek downstream of Cedar Lake (Kari)

Increase X acre/feet of watershed storage by restoring wetlands in identified priority areas where they have been lost and/or altered due to ditching or development activities.

- Restore 2 wetlands on the top of Fond du Lac's wetland restoration priority list
- Using the Stoney Brook hydrology model, restore two obsolete ditch laterals to original stream channel
- Evaluate the beneficial use of beaver for watershed storage
- Inventory small hand dug ditches in priority areas to identify potential wetland banking opportunities or wetland restoration projects.

Habitat Goals – Fond du Lac

Protect & manage X acres of private owned forests in areas that protect surface water, drinking/groundwater water quality and riparian habitat.

- Restore 11 acres of cedar swamp at Martin Branch (Stevens Road)
- Protect/Restore x% of high priority wild rice stands/populations (water levels, disturbance, shoreland development).
- Dredge 62 feet of ditch downstream of Deadfish Lake to reduce wild rice loss due to backwater
- Feasibility study of historic beaver dam removal and 3500 feet of channel restoration downstream of Cedar Lake at the lake outlet
- Use drone imagery to determine impacts to wild rice waters
- Conduct 10 workshops for woodland land owners
- Develop and Implement an outreach campaign to forest landowners

Identify and manage X % of high priority sites/resources for invasive species.

- Conduct 5-acre black ash understory planting in wild rice headwaters
- Conduct 2 rounds of Chinese Mystery Snail removal at West Twin Lake
- Conduct 2 rounds of Chinese Mystery Snail removal at Simian Lake
- Conduct buckthorn and Honeysuckle removal on 5 acres near Simian Lake
- Conduct intensive Chinese Mystery Snail surveys on 2000 feet of Stoney Brook near Hwy 2
- Manage Chinese Mystery Snail on 2000 feet of Stoney Brook near Highway 2
- Complete 2 mailings to Lakeshore landowners about Chinese Mystery Snail @ Simian and West Twin Lake
- Manage 1000 feet of Simian Creek to remove Chinese Mystery Snail
- Support, develop, and continue efforts to prevent, control or extirpate invasive species and weeds
- Implement the St. Louis County Aquatic Invasive Species Prevention Aid program.
- Education and Outreach on Aquatic Invasive Species prevention

X % (or feet) of shoreline in prioritized lakes and streams have natural buffers and near shore areas are protected and restored to reduce erosion using bank stabilization, bioengineering, etc. techniques.

- Conduct 2 training events at Big Lake to teach landowners about natural shorelines