

Cloquet Goals

Surface Water Quality Goals – Cloquet

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.

- Meet with stakeholders to discuss adding Grand Lake residents to WLSSD
- Septic system study of Grand Lake
- 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

Land Use Goals – Cloquet

Educate and increase stewardship of recreational land users and landowners on their impact to natural resources in X % of high-use & high priority recreational areas.

Mitigate the water quality impacts of recreational use at X% of impacted water resources at high use and high priority areas.

- Collaborate with recreational land managers
- Inventory high priority recreational sites
- Collaborate with Superior National Forest Service to review dams and potential restoration projects
- Coordinate with state and federal land managers to address issues in this area

Evaluate impacts of aggregate mining at X % of high priority sites that have the potential to impact sensitive surface and ground water resources.

- aggregate mining impact evaluation is to provide a tool for local residents and governments to assess the impact of proposed gravel pits
- Expand local capacity to support education and enforcement of gravel mining ordinances.
- Study to evaluate gravel mining potential in areas near 2 impaired trout streams and Uskabwanka River
- Evaluate the need for a clear set of BMPs, with setbacks etc., for gravel pits near coldwater trout streams.
- Invasive species management at active and inactive gravel mine sites

Altered Hydrology Goals – Cloquet

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

- Fund designs of 3 high priority culverts
- Construct 2 high priority fish-friendly culvert crossings
- Assess dams on Murphy Lake, Wilson Lake, and Little Stone Lake to determine if they are altering natural hydrology and impeding fish and aquatic organism movement and affecting stream temperature.

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.

- Feasibility study of avulsion site on Cloquet River
- Complete restoration studies on 2 reaches (Chalberg & Hellwig)
- Restore 2 stream reaches (3000 linear feet)

Habitat Goals – Cloquet

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

- Enroll 4250 acres of forest into SFIA, 2C or Easement in the Lower Cloquet Watershed
- Protect forests with SFIA, easements or acquisitions where they are protecting groundwater recharge areas for trout streams and are at risk for gravel pit development
- Conduct 10 workshops for woodland land owners
- Develop and Implement an outreach campaign to forest landowners

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.

- Work with 3 livestock producers to exclude livestock from Beartrap Creek
- Restore 1000 feet of shoreline in Beartrap Creek impacted by livestock
- Outreach to 3 livestock producers in Beartrap Creek
- Implement tax incentive program to incentivize natural shorelines
- Enforce shoreland setbacks/buffers in all parts of the watershed
- Develop a BMP education and outreach campaign to shoreline landowners in targeted areas.
- Implement a visual preference study with landowners