



PROJECT 9-2: Bathymetry Restoration in Upper Twin Pond

Background: Construction of Enger Golf Course in 1988 caused a large amount of sediment to fill in Upper Twin Pond. This has resulted in higher temperatures within the pond, especially during very warm periods, as there is a lack of depth to create thermal refuge.

Problem Statement: Temperatures within Upper Twin Pond are frequently nearing lethal levels. Due to sedimentation, there is much less habitat available in the pond. If it continues to fill, trout management will no longer be an option. There may be some contamination in the sediments from chemicals used on the golf course.

Goals: Restore pond to its original depth contours. This should provide better thermal refuge in the summer and overwintering capacity for trout, as well as overall survival. Continued management of this lake for trout is likely dependent on project completion.

Priority: High

Task Duration: 3 years

Potential Mechanism: CPL, LSOHC, GLRI, LCCMR, TS

Partnering Organization(s): City of Duluth, DNR, TU, AFF

Estimated Cost: \$150,000

Comments:

Special Considerations: City of Duluth Property, possible EAW needed

Accomplishments: This was a prior proposal from the T.R.O.U.T. group which is no longer in existence. A bathymetric survey is available from 1993.

Measure(s) of Success: Restore depth to the pond to allow continued trout management and provide more fisheries habitat.

Primary Contact: Deserae Hendrickson, DNR Fisheries, (218)525-0853

Vision Statement: Maintain, protect, and restore healthy cold water ecosystems with relatively stable flows and a diversity of habitat for fish and wildlife to enhance our quality of life.

For project information: www.lrcd.org/links/lsc_projects.htm