

Largon Lake 2021 Annual Meeting Notes

Grant Overview

- In 2020, the Polk County Land and Water Resources Department and the Largon Lake District applied for a \$25,000 Surface Water Grant to complete a study on Largon Lake in 2021 and 2022. This grant award makes up 67% of the total project costs. The remaining 33% of the project costs are made up through volunteer hours, equipment use, and a match from the Lake District.
- This project entails Largon Lake and its watershed.
- The project will enhance the knowledge and understanding of aquatic life and their habitats, watershed conditions that affect the lake ecosystem, uses and factors that affect the lakes water quality, and projects that will result in significant improvements in the management of the lake and its ecosystem.
- A lake management plan that prioritizes identified pollution sources and builds partnerships will be created.

Progress Made on Grant (* identifies ongoing projects)

- Watershed/land use delineation
- Culvert inventory
- In-lake sampling *
 - Deep hole sampling
 - Secchi, TP, chlorophyll a, and probe
- Installed data loggers at the inlets to Largon Lake
- Tributary monitoring *
- No till crop survey
- CLMN volunteer *
- Lake Level monitoring *
- Algae assessment *
- Spring and fall plant surveys

Projects To Do

- WILMS modeling, STEPL, EVAAL
- Identify sensitive areas that are affecting the lake
- Cover crop survey
- Subwatershed loading
- Gully investigation
- Shoreline inventory
- Resident survey
- Pontoon classroom
- Creating the Lake management plan

The grant include a wide variety of projects for volunteers to be involved with!

Lake Level and Precipitation Monitoring

Project: record rainfall and lake level

Thank you Tim!

Algae Bloom Identification

Project: visually identify the presence and absence of algae blooms

Thank you Tim!

Citizen Lake Monitoring Network

Project: record secchi depth readings

Thank you Eric!

Professional Booklet

Project: Develop a booklet that presents historical lake information along with 2021 and 2022 study results in an easy to digest format

Thank you Michelle!

Pontoon Tour

Project: attend a pontoon tour to learn about the data collected during this grant

Number of volunteers: all welcome

Time commitment: 1-2 hours, one time in 2022

Lake Management Plan Meetings

Project: explore the data collected during this grant and set goals for improving Largon Lake

Number of volunteers: all welcome

Time commitment: 4-5 meetings, each lasting 2 hours, late 2022 or early 2023