

Lake Status

Overall Strategy: Routine Watershed Management

Water Quality Rating: A: Secchi – 18.6 ft;
TP – 22 µg/L

Impairment: Not Impaired

Water Quality Trend: Secchi & TP – N/A

Shoreland Classification: Natural Environment

Subwatershed Land Cover: 5% developed, 50% forests and woodlands, 40% lakes and open water wetlands, 2% planted or cultivated, 3% wetlands.

Resource Goals

Short Term Goals – Year 2015

- Maintain a water quality rating of at least A.
- Maintain a five-year mean summer phosphorus concentration at or below 23 µg/L ± 4%.
- Maintain a mean summer secchi depth no less than 15 ft.
- Develop a working relationship with the Wilder Foundation for teaming on lake management and education.

Long Range Goals - Year 2020

- Maintain a water quality rating of at least A.
- Maintain a five-year mean summer phosphorus concentration at or below 23 µg/L ± 4%.
- Maintain a mean summer secchi depth no less than 15 ft.
- Conduct watershed management in consideration of the area’s statewide importance to the Blanding’s turtle.

DNR Fisheries Lake Management Plan (1992)

- Long Range Goal: Provide 50-100 angler hrs/ac fishing pressure on a Centrarchid/northern pike population from anglers using Camp Wilder.
- Operational Plan:
 - Population assessment in 2001; resurvey in 2011.
 - Protect centrarchid spawning area through environmental review process.
- Mid Range Objective: Examine possibilities of developing a fishing research study in cooperation with Camp Wilder.
- Potential Plan:
 - Creel census.
 - Limited entry fishing study.
 - Special regulations to restrict harvest of largemouth bass, bluegill or northern pike.



BASIC FACTS

DNR ID	82004500
Section	22
Township	31
Range	20
Lake Area	31 acres
Subwatershed Area	107 acres
Outlet Elevation	N/A
Low Water Level	884.83 ('76)
High Water Level	914.4 ('08)
Ordinary High Water	N/A
100-Yr. Flood Elev	N/A
Greatest Depth	27 ft.
Control Structures:	N/A

Fish Species:
Black Bullhead, Bluegill, Brown Bullhead, Hybrid Sunfish, Largemouth Bass, Northern Pike, White Sucker, Yellow Perch (1991)

Aquatic Nuisance Species:
None

CMSCWD References:
WCD Water Monitoring Report ('08)
DNR Lake Water Level Report
DNR Lake Information Report

Implementation

Operational Priorities

Routine Watershed Management

Education

Routine Watershed

Education Program

Regulatory

Activities impacting Clear Lake will be regulated by the watershed district through its *Rules of the District*. Regulatory efforts will be coordinated with Marine on St. Croix, Washington County and the Minnesota DNR, where applicable.

Projects

Current:

- Routine Watershed Water Quality Monitoring
- Routine Watershed Best Management Practices (BMP) Program
- Permitting Program

Future/Potential:

- None at this time.

* See 2010 Watershed Management Plan Section V, Lake Management Plans for additional information on District lake management activities.

Overall Assessment: Clear Lake

Clear Lake is located entirely within the non-profit Wilder Forest Property. The lake was added to the District as part of the 2007 District enlargement that included the former Marine WMO and the Orphan Area in northeastern Scandia. The goals established for this plan are based on historic monitoring by others and local knowledge of the lakes pristine surroundings and high quality. Data shown are from the 2008 WCD Water Monitoring Report. The District will coordinate with the Wilder Foundation and with staff at the adjacent Warner Nature Center to proceed with regular water quality monitoring efforts. Once several years worth of data have been collected, the District can reassess specific water quality goals for the lake.

Unlike most watersheds in and around the metro, there is limited potential for development threatening the water quality of the lake due to it's location within the within the Wilder Forest. The District anticipates cooperating with Wilder Foundation in public education and outreach as well as management efforts involving Clear Lake. Clear Lake is undergoing routine watershed management.

