

Lake Status

Overall Strategy: Routine Watershed Management

Water Quality Rating: A: Secchi – 15.2 ft; TP – 17 µg/L

Impairment: Not Impaired

Water Quality Trend: Secchi & TP – N/A

Shoreland Classification: Natural Environment

Subwatershed Land Cover: 20% developed, 37% forests and woodlands, 0.5% grassland/shrubland/sparse vegetation, 12% lakes and open water wetlands, 28% 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 20 µg/L ± 4%.
- Maintain a mean summer secchi depth no less than 15 ft.
- Establish an active Lake Association 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 20 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: None

BASIC FACTS

DNR ID	82004800
Section	25
Township	31
Range	20
Lake Area	55 acres
Subwatershed Area	438 acres
Outlet Elevation	N/A
Low Water Level	849.26 ('98)
High Water Level	853.1 ('03)
Ordinary High Water	849.5
100-Yr. Flood Elev	N/A
Greatest Depth	N/A
Control Structures:	N/A

Fish Species:
N/A

Aquatic Nuisance Species:
None

CMSCWD References:
WCD Water Monitoring Report ('08)
DNR Lake Water Level Report
MWMO Twin Lake High Water Study ('99)

Implementation

Operational Priorities

Routine Watershed Management

Education

Routine Watershed
Education Program

Regulatory

Activities impacting Twin Lake will be regulated by the watershed district through its *Rules of the District*. Regulatory efforts will be coordinated with May Township, 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:

- Work with Township and County to address gully erosion problem on west side of lake.

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

Overall Assessment: Twin Lake (May Township)

Twin Lake is a small high quality landlocked lake. 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. Water quality monitoring efforts were started in 2008. The goals established for this plan are based on the results of that one monitoring season and local knowledge of the lake's pristine surroundings and high quality. The lake receives discharge from Square Lake during periods of above normal precipitation. The high quality of the discharge from Square Lake likely contributes to the high water quality found in Twin Lake.

Prior to inclusion in the District the lake reportedly experienced a period of high water levels that threatened a low lying building. Currently the District is aware of a significant active gully erosion problem west of the lake which appears to be caused by road culvert discharge. As with most watersheds in and around the metro, the potential for development threatens the water quality of the lake if shoreline best management practices are not implemented simultaneously with the development. Twin Lake is undergoing routine watershed management.

