



# On-Site Lake Evaluation Record

Lake Name: Cedar Lake

County: VanBuren

State: MI

Evaluated by: Nate Karsten

Date: May 2014

## Evaluations Performed

### Aquatic Vegetation Evaluation

- Aquatic vegetation survey
- Aquatic vegetation brief check

### Vegetation evaluation methods

- Visual evaluation
- Sample collection with rake
- Sonar profiling
- GPS-mapped sample locations

- Water quality sampling
  - On-site (Temperature, DO, Secchi disk)
  - Water samples collected for \_\_\_\_\_ analysis

- GPS data collection
- Depth survey
- Shoreline mapping
- Reference point location
- Other \_\_\_\_\_

## Overall Condition of Lake

- excellent (no problems or developing problems noted)
- very good (no immediate action required)
- fair (management required soon)
- poor (management needed as soon as possible)
- very poor (management action past due—IMMEDIATE response required)

## Problems Noted

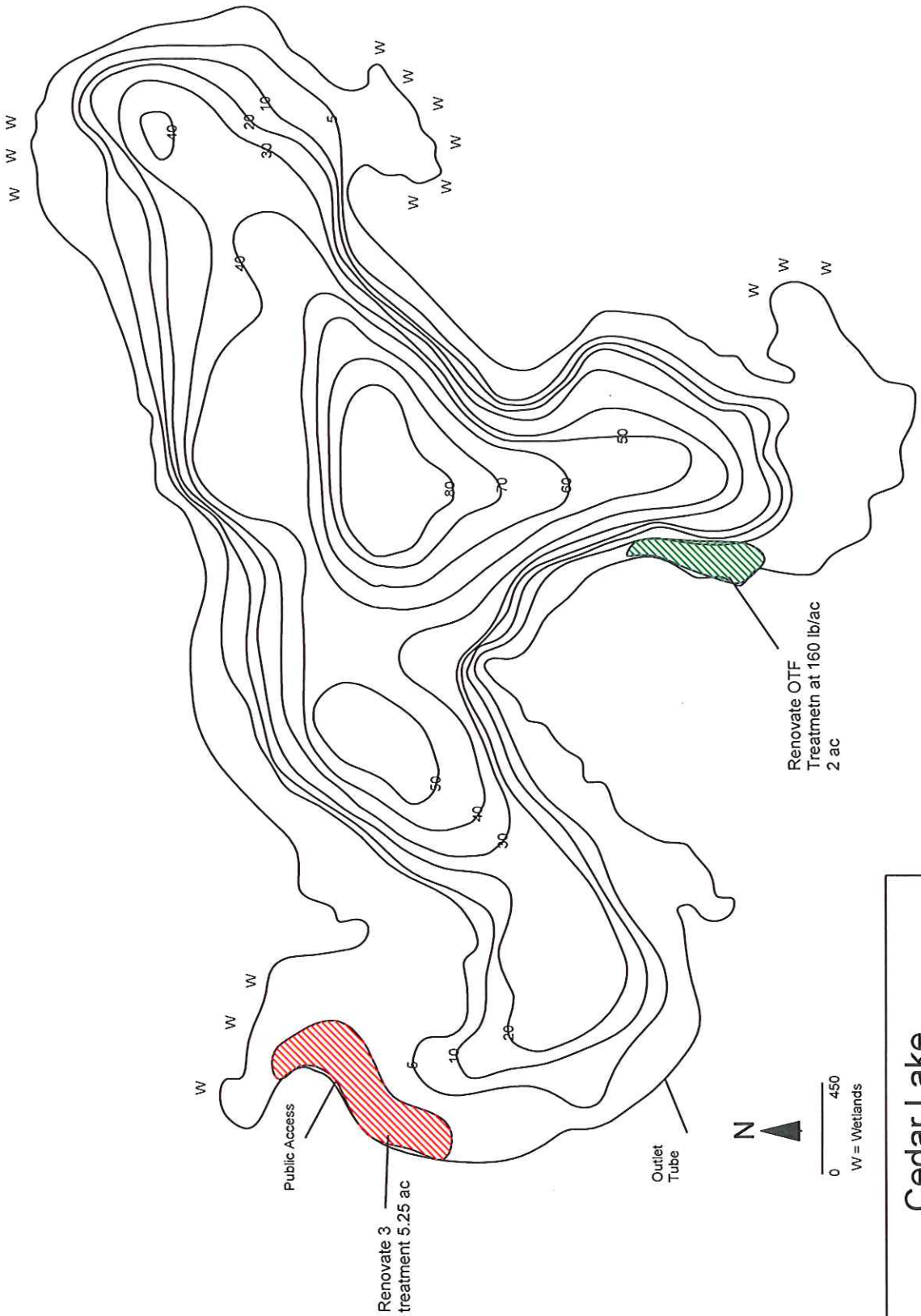
- Excessive growth of exotic plants (mark locations on map)
  - Eurasian watermilfoil
  - curlyleaf pondweed
  - other \_\_\_\_\_
- Excessive growth of native plants (note plant species and mark locations on map)
- Excessive filamentous algae growth (mark location on map)
- Poor water clarity
- Blue-green algal blooms

## RECOMMENDATIONS

- X Herbicide application (mark locations on map)  
Need for herbicide treatments is:  urgent,  serious,  moderate,  slight
  
- Algaecide application (mark locations on map)  
Need for algae treatments is:  urgent,  serious,  moderate,  slight
  
- Harvesting (mark locations on map)  
Need for harvesting is:  urgent,  serious,  moderate,  slight
  
- Shoreline stabilization (mark locations on map)  
Need for shoreline stabilization is:  urgent,  serious,  moderate,  slight
  
- Erosion control (mark locations on map)  
Need for erosion control is:  urgent,  serious,  moderate,  slight
  
- Other \_\_\_\_\_

## NOTES

The overall condition of Cedar Lake is very good. Milfoil was found but still at fairly low levels and in specific, isolated locations (see map). We recommend that these areas be treated using systemic products (root killing). Renovate OTF should be used in the southern portion of the lake (area in green). Renovate 3 should be used in the area near the access due to the shallow nature of this area.



# Cedar Lake

269 Surface Acres

VanBuren County  
Porter Township

T4S, R13W, Sect 27,28,33

Professional Lake Management, P.O. Box 132, Caledonia, MI 49316 Phone (600) 382-4434