

PLM Lake & Land Management

P.O. Box 132, Caledonia MI 49316 Phone (616) 891-1294

On-Site Lake Evaluation Record

| Lake Name: Pine Lake | | County: Barry | State: MI | |
|----------------------------|--|--|---------------------------|--|
| Evaluated by: Nate Karsten | | Date: 5/21/15 | | |
| Eval | uations Pe | aufoumod. | | |
| Aquat X Vegeta x | ic Vegetation Aquatic veg Aquatic veg ation evaluat Visual evalu Sample coll | n Evaluation getation survey getation brief check tion methods uation ection with rake | Water sample | erature, DO, Secchi disk) es collected for analysis on oping nt location |
| Overa | all Condit excellent very good | tion of Lake (no problems or developing pro (no immediate action required | | |
| | fair (management required soon) poor (management needed as soon as very poor (management action past due—I | | | juired) |
| Probl | lems Note | | | |
| | X Eurasian x curlylea □ other _ Excessive g Excessive fi Poor water | rowth of exotic plants (mark lon watermilfoil af pondweed rowth of native plants (note plants) lamentous algae growth (mark clarity algal blooms | ant species and mark loca | ations on map) |

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RECOMMENDATIONS

| Χ | Herbicide application (mark locations on map) Need for herbicide treatments is: \square urgent, \square serious, x moderate, \square slight |
|---|--|
| Χ | Algaecide application (mark locations on map) Need for algae treatments is: \square urgent, \square serious, \square moderate, x 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 Pine Lake is very good. Spot areas of Curlyleaf pondweed and Eurasian watermilfoil were found and should be treated during the initial treatment. Due to the mixed community we recommend treating with Tribune since it can control both species (in near shore areas). We have estimated that there are 13-15 acres requiring treatment. There are also two offshore/undeveloped areas of milfoil growth (marked in red). We recommend treating this with Renovate OTF at 160 lb/acre (7-8 acres). Renovate is a selective herbicide for milfoil and can also kill the root system.

