



Pike Lake

Beaver Rd

Pike Lake Access Rd



Pike Lake 2011

INSTITUTE FOR FISHERIES RESEARCH
 DIVISION OF FISHERIES MICHIGAN CONSERVATION DEPT.
 LAKE INVENTORY MAP
PIKE LAKE
 AREA 83 ACRES
 MARGINAL SURVEY AND SOUNDINGS 8/6/56
 SHORE OUTLINE BASED ON U.S. DEPT. AGRIC. AERIAL PHOTO 10/19/43
 HOUGHTON COUNTY T.51 N. R.36 W. SEC.5, 2, 11





Sampling Point 

LEGEND

BOTTOM

-  Sand
-  Organic
-  Slump

OUTLINE & CONTOURS

-  Shoreline encroaching
-  Contours

SHORE FEATURES

-  Slope
-  Improved road
-  Unimproved road
-  Marsh
-  Brush
-  Wooded
-  Beaver house
-  Beaver dam
-  Inlet



Review of Findings: Pike Lake

PARAMETER	FINDING	INTERPRETATION
Lake Type	Groundwater drainage	Outlet only
pH	6.55	Nearly neutral
Alkalinity	5.0 ppm	Mod. sensitivity to acid rain
Hardness	9.3 ppm	Soft water
Secchi (clarity)	6.5 feet	Fair
Chlorophyll 'a'	0.7 ppb	Very little planktonic algae
Tot. Phosphorus	Non detect (ppm)	Very good/excellent quality
Total Nitrogen	0.52 ppm	Ratio N:P indicates P-limited
Trophic Status	TSI (chlorophyll) =27.1	Oligotrophic
Conductivity	18.8 μ S/cm	Very little dissolved material
<i>Escherichia coli</i>	ND (MPM/100ml)	No fecal contamination found

Historic comparison: 1975 MDEQ measures comparable.