



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.AGRIG.AERIAL PHOTO 10/19/43

HOUGHTON COUNTY

T.51 N.R.36 W.SEC'S.2,11

Sampling Point 🜟



LEGEND

воттом



Sand
Organic
Stump

OUTLINE & CONTOURS
Shoreline encroaching
—s'—Contours

SHORE FEATURES III Slope

Improved road

w Marsh

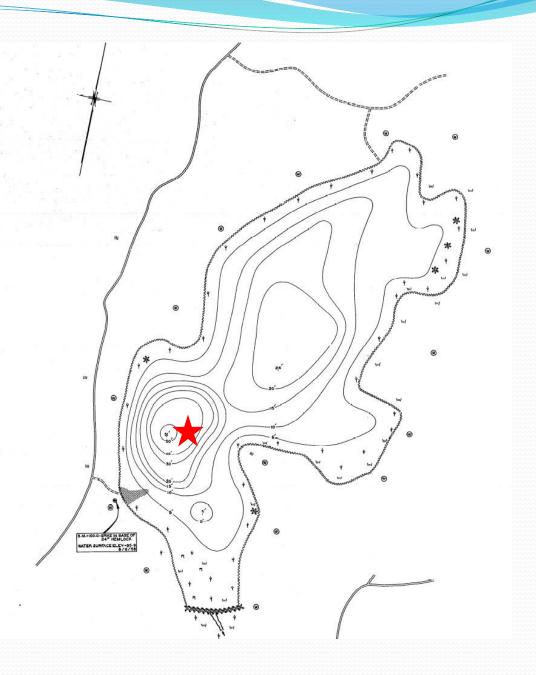
Brush

Wooded

* Beaver house

* Beaver dam

Inlet



Review of Findings: Pike Lake

PARAMETER	FINDING	INTERPRETATION
Lake Type	Groundwater drainage	Outlet only
рН	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 μS/cm	Very little dissolved material
Escherichia coli	ND (MPM/100ml)	No fecal contamination found

Historic comparison: 1975 MDEQ measures comparable.