



Ongie Lake

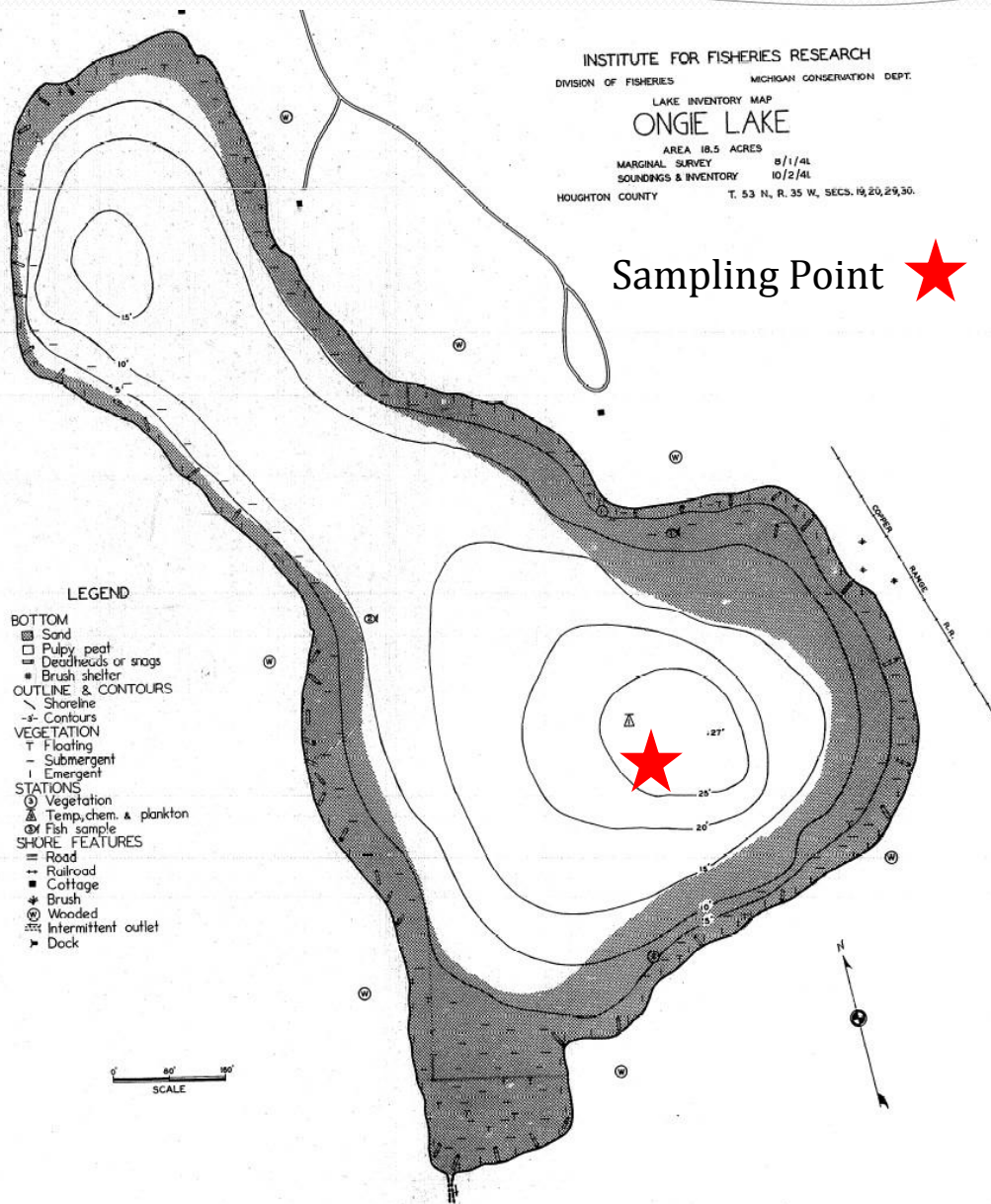
Bill Nicholls Trail

INSTITUTE FOR FISHERIES RESEARCH
 DIVISION OF FISHERIES MICHIGAN CONSERVATION DEPT.








LAKE INVENTORY MAP
ONGIE LAKE

AREA 18.5 ACRES
 MARGINAL SURVEY 8/1/41
 SOUNDINGS & INVENTORY 10/2/41
 HOUGHTON COUNTY T. 53 N., R. 35 W., SECS. 19, 20, 29, 30.

Sampling Point 



LEGEND

- BOTTOM**
 Sand
 Pulpy peat
 Deadheads or snags
 Brush shelter
- OUTLINE & CONTOURS**
 ~ Shoreline
 - Contours
- VEGETATION**
 T Floating
 - Submergent
 | Emergent
- STATIONS**
 Vegetation
 Temp. chem. & plankton
 Fish sample
- SHORE FEATURES**
 = Road
 ++ Railroad
 ■ Cottage
 + Brush
 ⊙ Wooded
 --- Intermittent outlet
 > Dock

Review of Findings: Ongie Lake

PARAMETER	FINDING	INTERPRETATION
Lake Type	Groundwater drainage	Outlet only
pH	7.02	Neutral
Alkalinity	6.0 ppm	Mod. sensitivity to acid rain
Hardness	6.7 ppm	Soft water
Secchi (clarity)	7.5 feet	Fair
Chlorophyll 'a'	0.7 ppb	Very little planktonic algae
Tot. Phosphorus	Non detect (ppm)	Very good/excellent quality
Total Nitrogen	0.72 ppm	Ratio N:P indicates P-limited
Trophic Status	TSI (chlorophyll) =27.1	Oligotrophic
Conductivity	16.5 μ S/cm	Very little dissolved material
<i>Escherichia coli</i>	125 (MPM/100ml)	Fecal contamination found

Seasonal geometric average E. Coli must be <130 to be safe for swimming