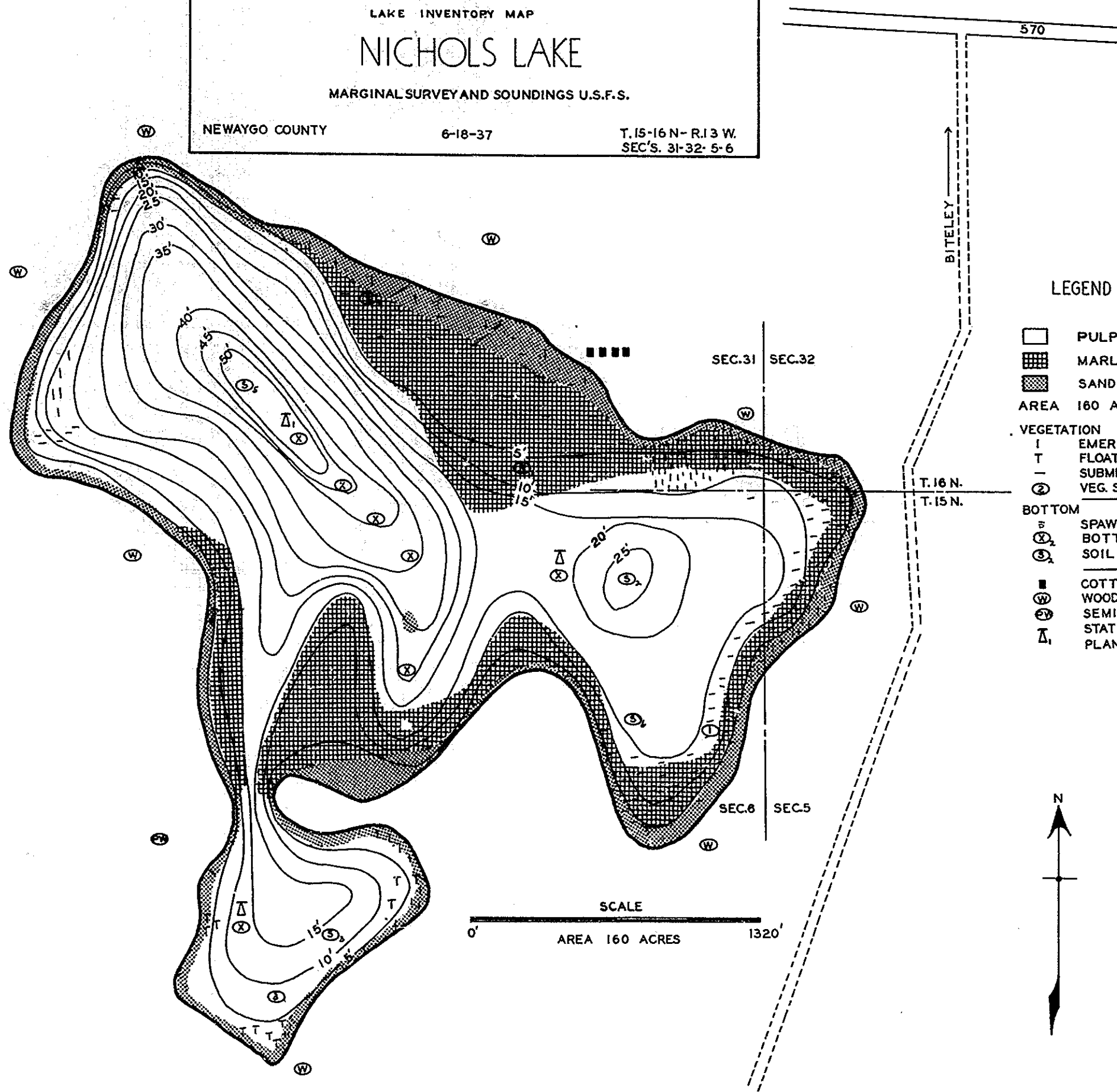


INSTITUTE FOR FISHERIES RESEARCH
 DIVISION OF FISHERIES - MICHIGAN CONSERVATION DEPARTMENT
 LAKE INVENTORY MAP
NICHOLS LAKE
 MARGINAL SURVEY AND SOUNDINGS U.S.F.S.
 NEWAYGO COUNTY 6-18-37 T. 15-16 N. - R. 13 W.
 SEC'S. 31-32-5-6

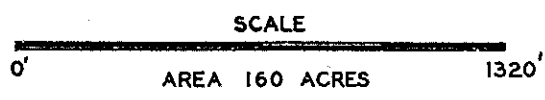


570

BITELEY

LEGEND

- PULPY PEAT
- ▨ MARL
- ▩ SAND
- AREA 160 ACRES
- VEGETATION
 - I EMERGENT
 - T FLOATING
 - SUBMERGENT
 - ⊙ VEG. STATION
- BOTTOM
 - ⊕ SPAWNING BEDS
 - ⊗ BOTTOM SAMPLE
 - ⊙ SOIL SAMPLE
 - COTTAGE
 - ⊙ WOODED
 - ⊙ SEMI-WOODED
 - Δ STATION FOR TEMP.-CHEM. ANALYSIS
 - Δ PLANKTON SAMPLE

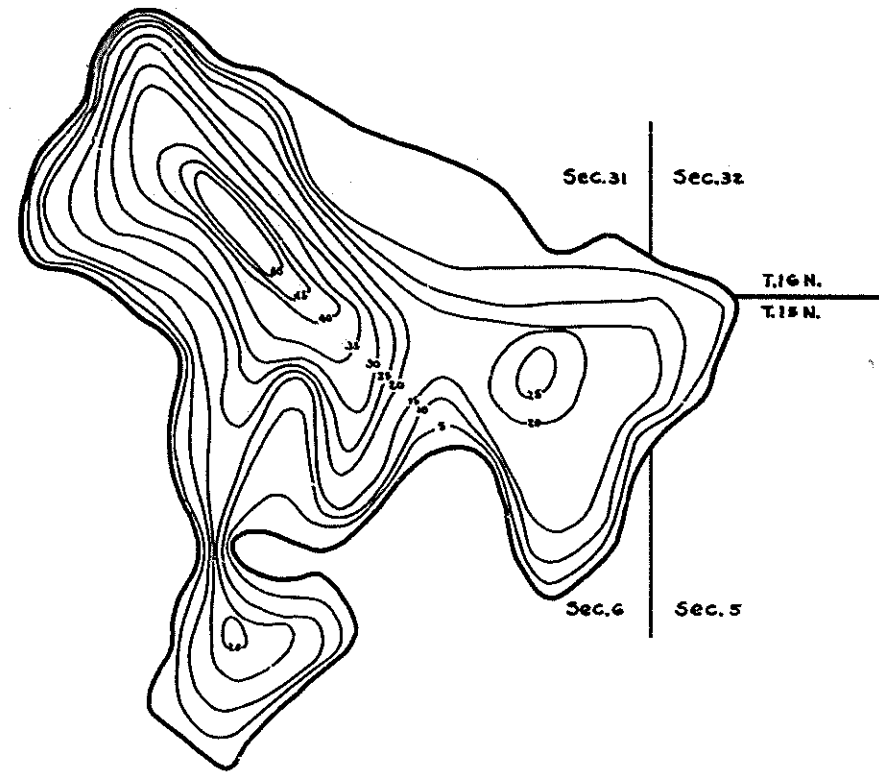


95-8-1

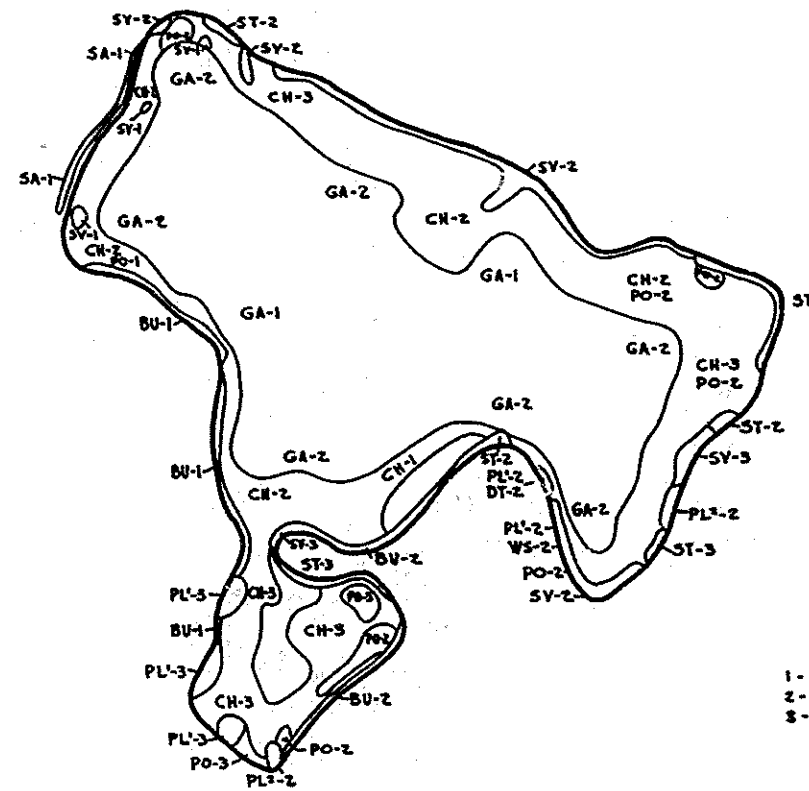
R-9
U.S. Department of Agriculture
Forest Service
LAKE AND STREAM SURVEY
NICHOLS LAKE
Manistee National Forest
Michigan

Location: Sec. 5, 6, T15N. R15W.
Sec. 31, 32, T16N. R15W.
Scale: 6 Inches = 1 Mile

Area 159.2 Acres
Length of Shoreline 2.96 Miles

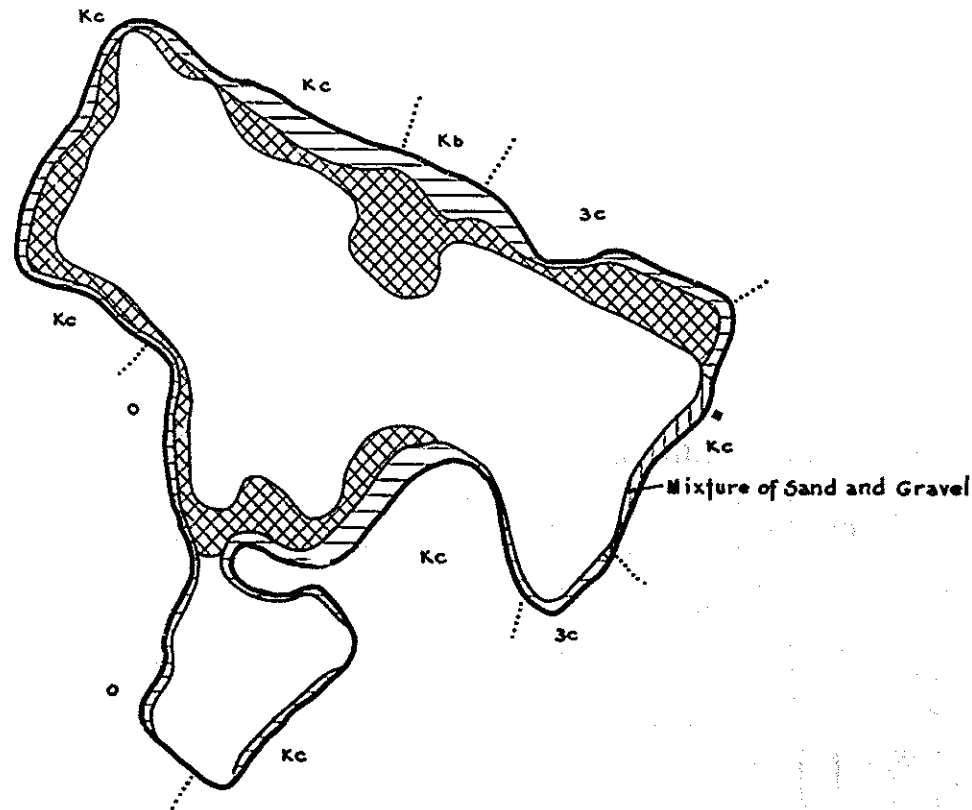


Contour Map
Contour Interval = 5'



Aquatic Vegetation Map

1 - Rare
2 - Common
3 - Abundant



Cover Type And
Lake Bottom Soil Type Map

J-8-56

9-26-40 P.J.W.