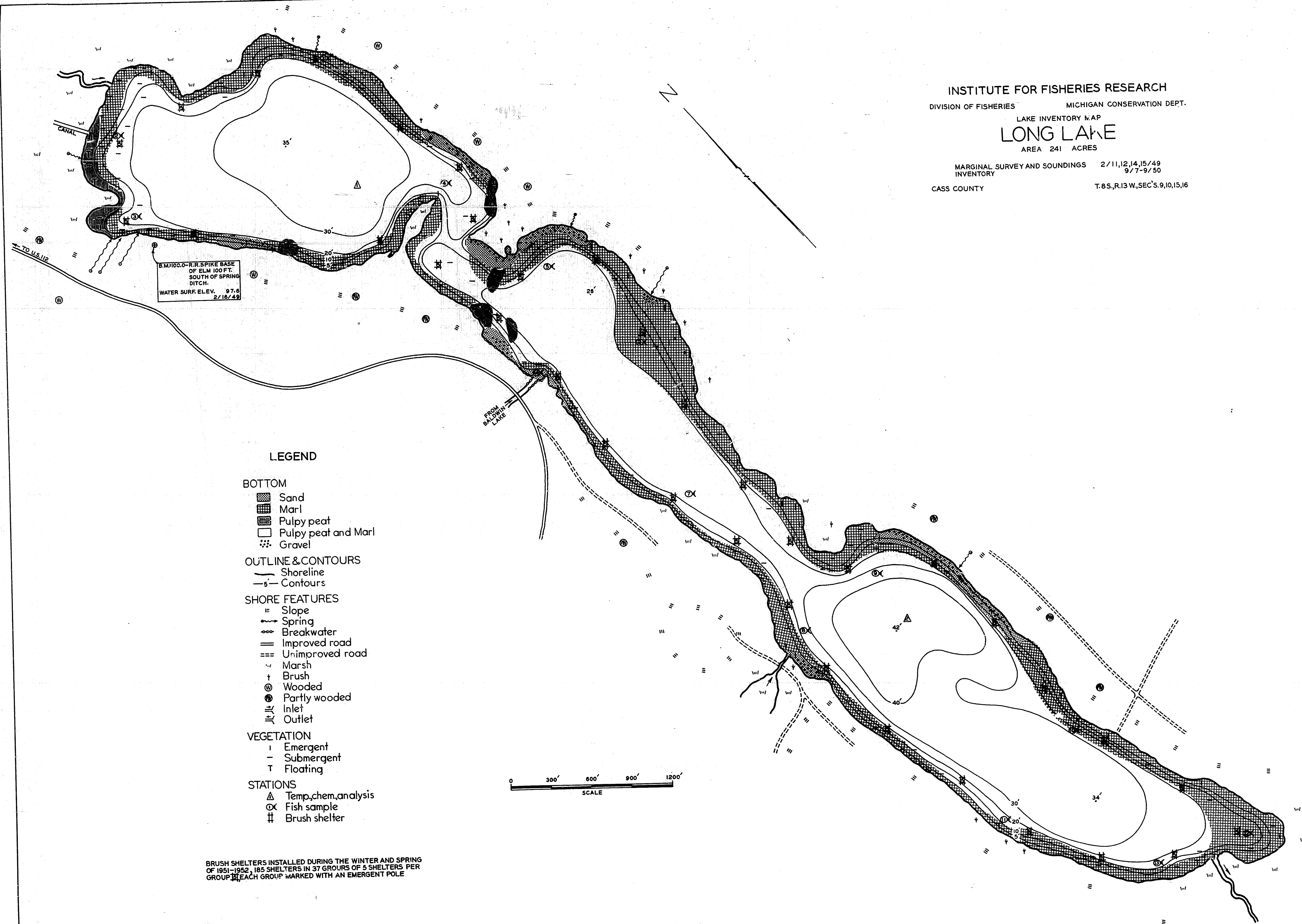


INSTITUTE FOR FISHERIES RESEARCH
 DIVISION OF FISHERIES MICHIGAN CONSERVATION DEPT.
 LAKE INVENTORY MAP
LONG LAKE
 AREA 241 ACRES
 MARGINAL SURVEY AND SOUNDINGS 2/11,12,14,15/49
 INVENTORY 9/7-9/50
 CASS COUNTY T.8S.,R.13 W., SEC'S 9,10,15,16



B.M. 100.0 - R.R. SPIKE BASE
 OF ELM 100 FT.
 SOUTH OF SPRING
 DITCH.
 WATER SURF. ELEV. 97.6
 2/16/49

LEGEND

- BOTTOM**
- ▨ Sand
 - ▩ Marl
 - ▧ Pulpy peat
 - Pulpy peat and Marl
 - ▤ Gravel
- OUTLINE & CONTOURS**
- Shoreline
 - 5- Contours
- SHORE FEATURES**
- ≡ Slope
 - ↗ Spring
 - ⊖ Breakwater
 - == Improved road
 - ≡≡ Unimproved road
 - ⊥ Marsh
 - + Brush
 - ⊙ Wooded
 - ⊙ Partly wooded
 - ⊕ Inlet
 - ⊖ Outlet
- VEGETATION**
- | Emergent
 - Submergent
 - T Floating
- STATIONS**
- △ Temp. chem. analysis
 - ⊗ Fish sample
 - ⊥ Brush shelter

BRUSH SHELTERS INSTALLED DURING THE WINTER AND SPRING
 OF 1951-1952, 185 SHELTERS IN 37 GROUPS OF 5 SHELTERS PER
 GROUP EACH GROUP MARKED WITH AN EMERGENT POLE