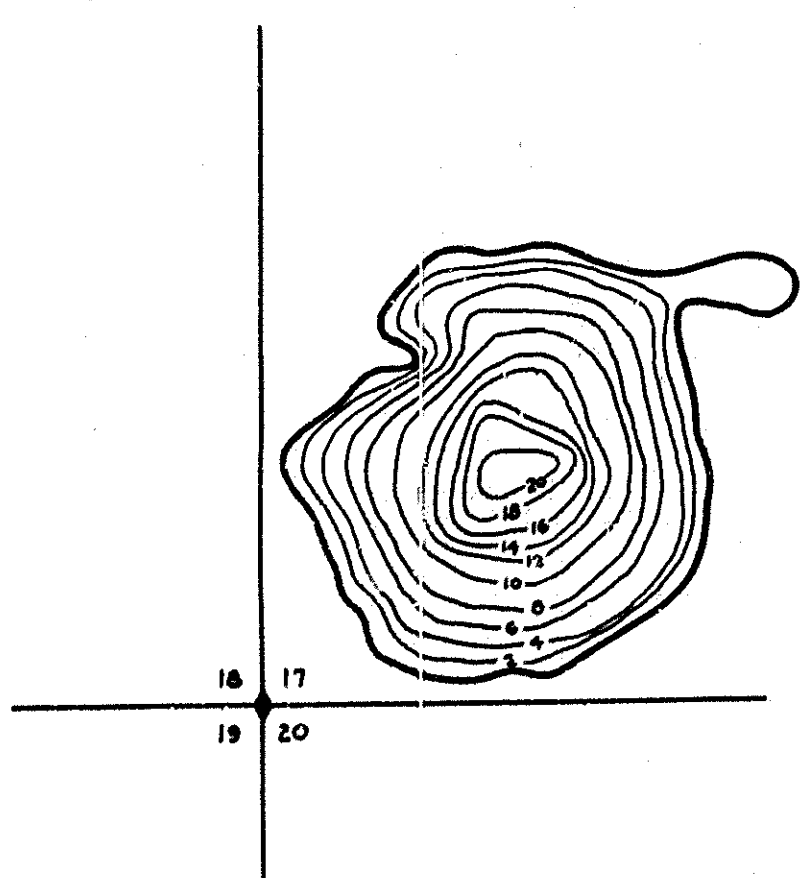


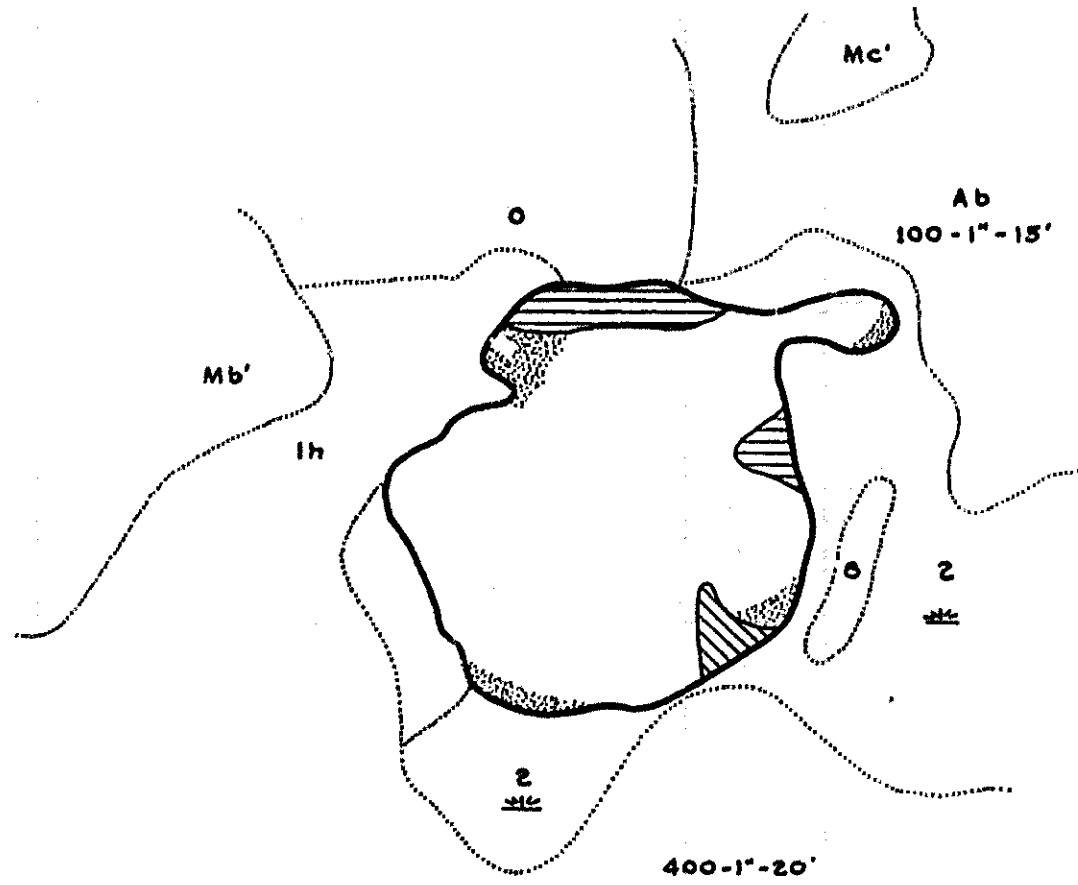
R-9  
 U.S. Department of Agriculture  
 Forest Service  
 LAKE AND STREAM SURVEY  
**HAGAR LAKE - BOG LAKE - KUNZIE LAKE - UPPER DAM LAKE**  
 Ottawa National Forest  
 Michigan

J-12-20

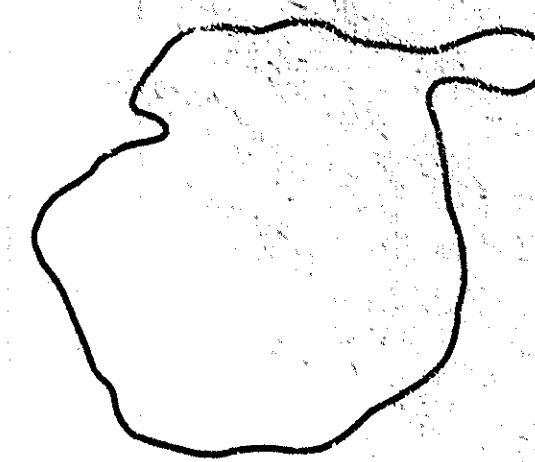
**Hagar Lake**  
 Location: Sec. 17, T.47N. R.35W.  
 Area 41 Acres Length of Shoreline 1.12 Miles  
 Scale 8 Inches = 1 Mile



Contour Map  
 Contour Interval = 2'

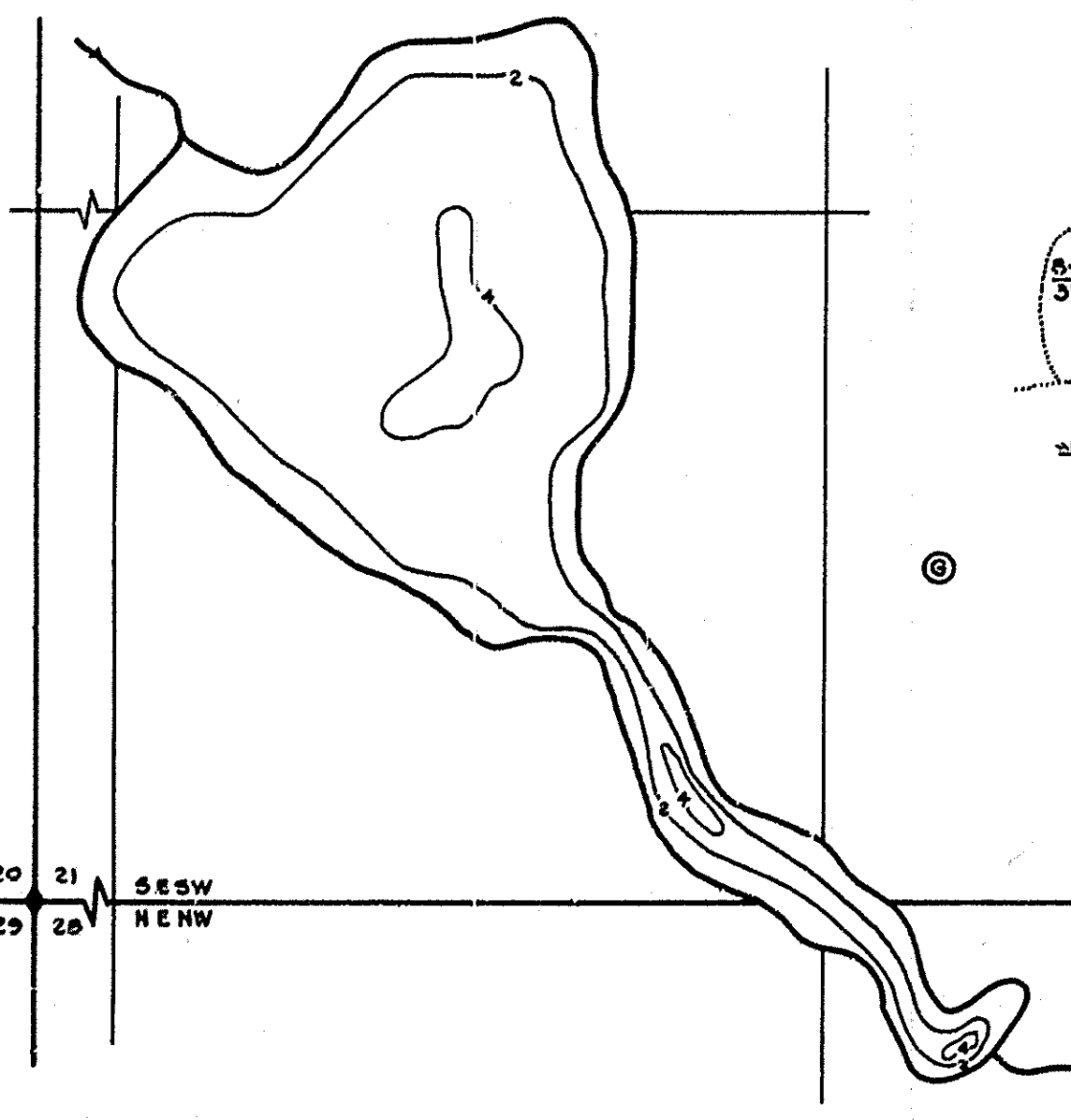


Cover Type and  
 Lake Bottom Soil Type Map

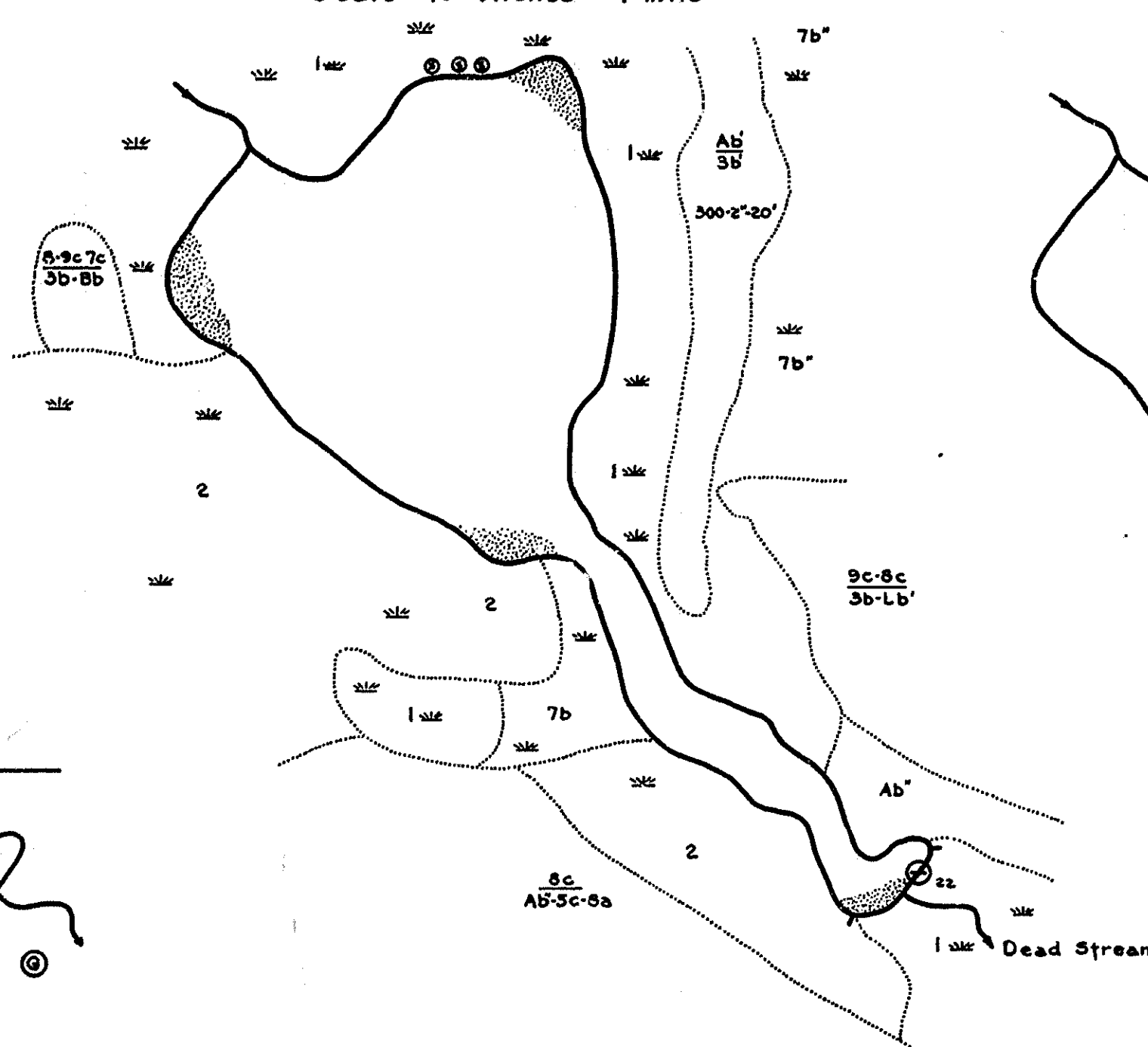


Aquatic Vegetation Map

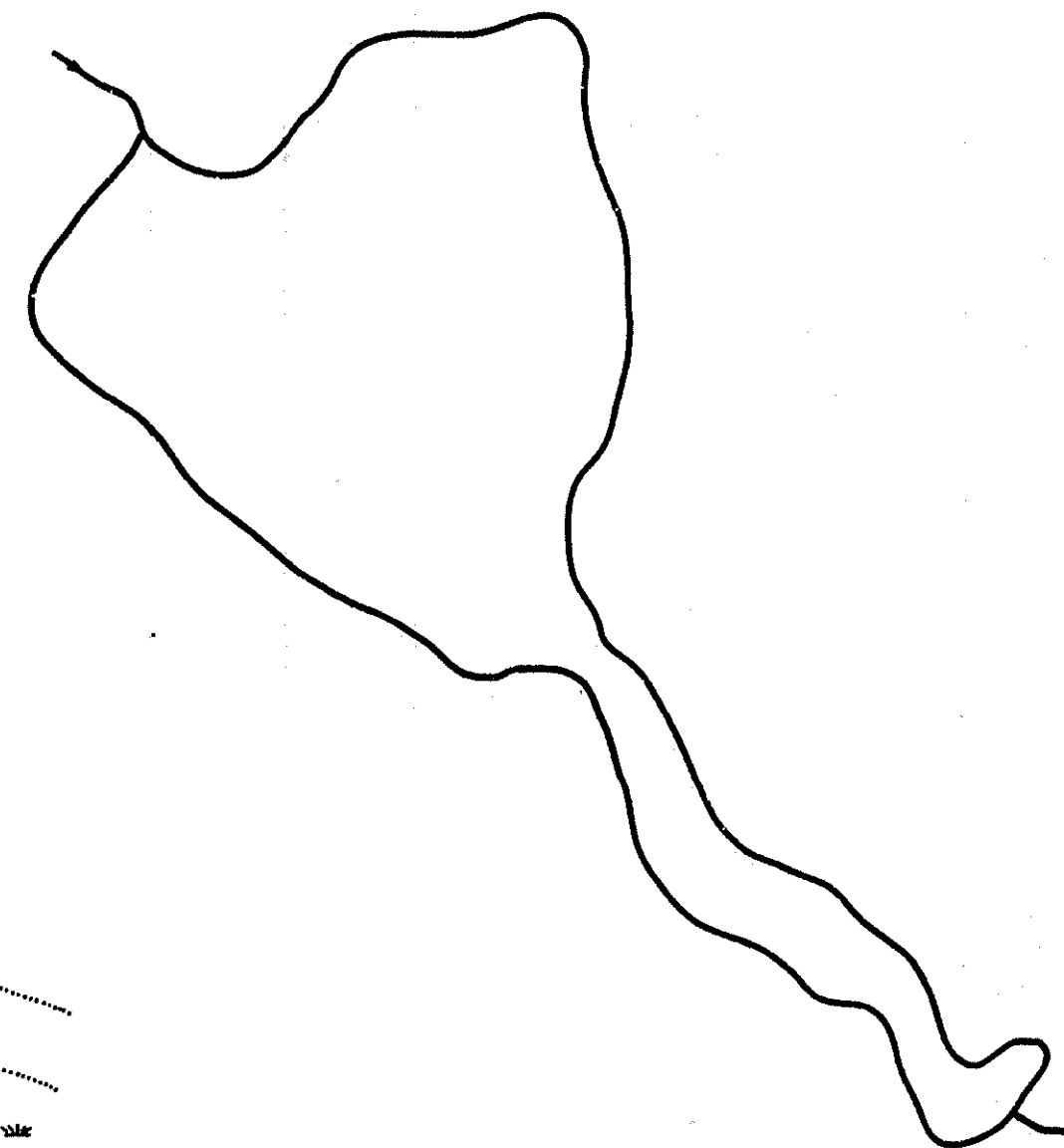
**Bog Lake**  
 Location: Sec. 21, T.47N. R.35W.  
 Area 22 Acres Length of Shoreline 1.20 Miles  
 Scale 16 Inches = 1 Mile



Contour Map  
 Contour Interval = 2'

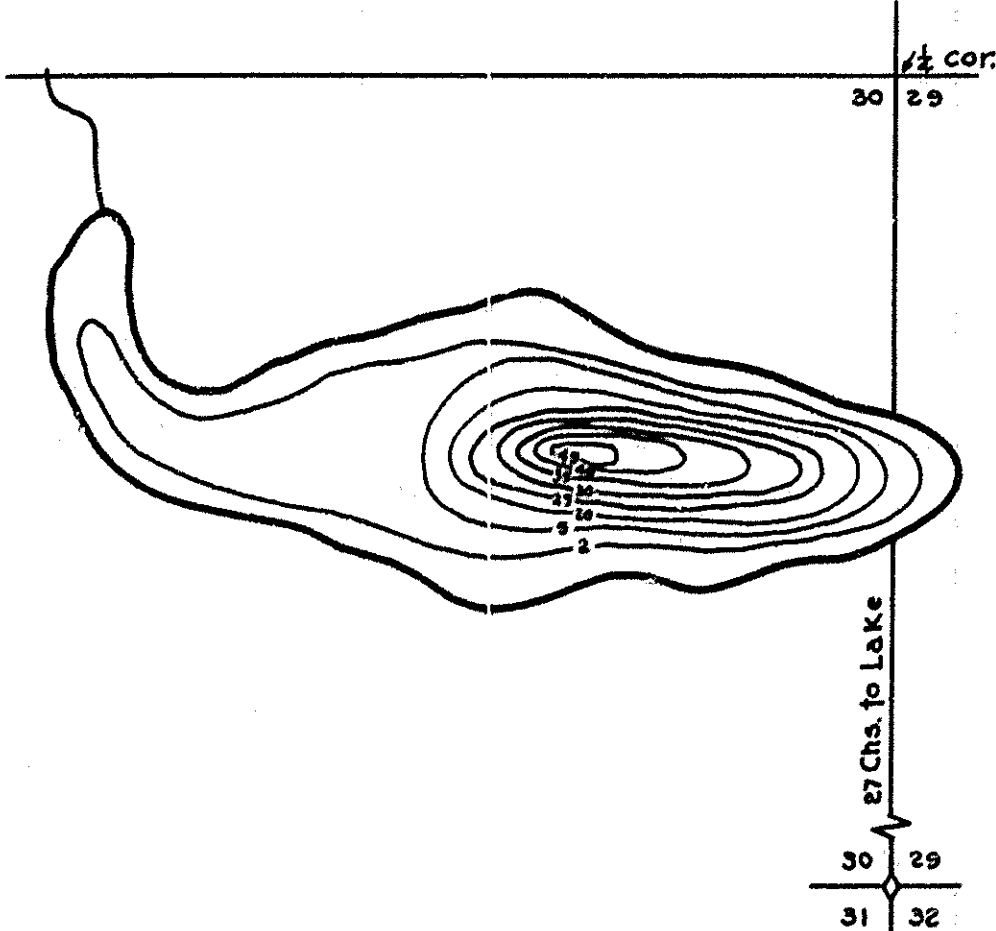


Cover Type and  
 Lake Bottom Soil Type Map

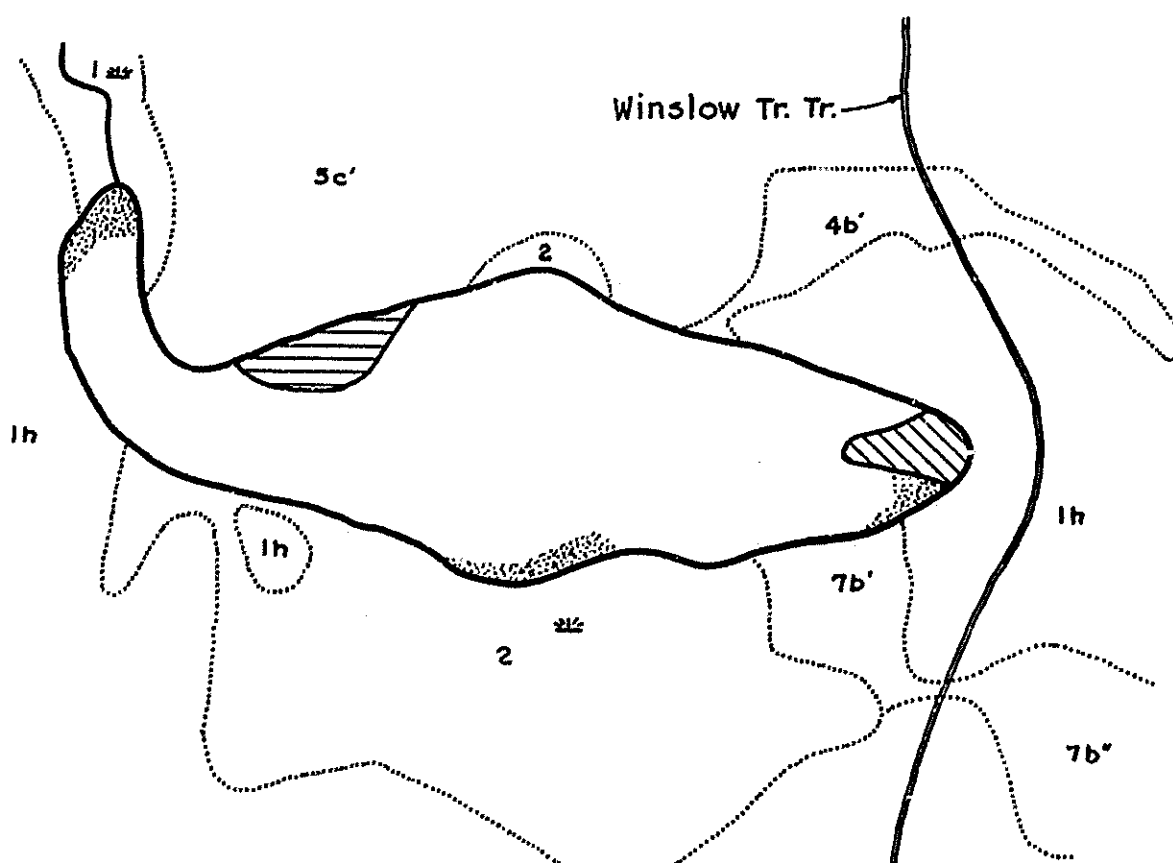


Aquatic Vegetation Map

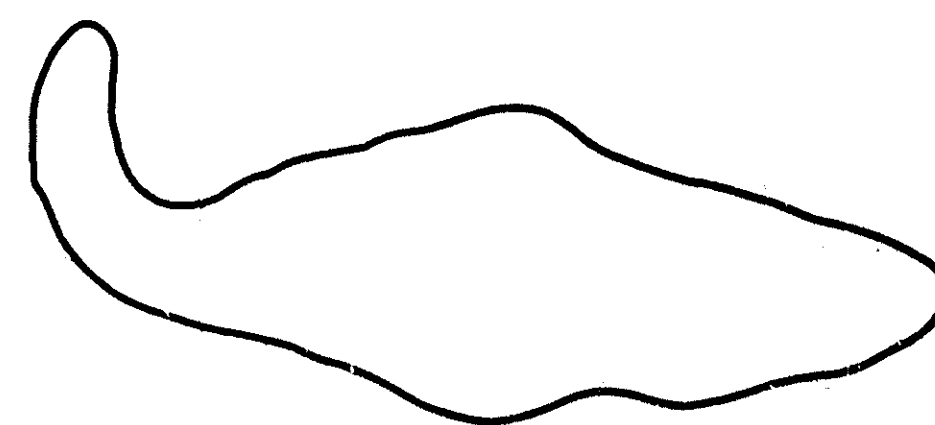
**Kunzie Lake**  
 Location: Sec. 30, T.47N. R.35W.  
 Area 12.8 Acres Length of Shoreline .75 Miles  
 Scale 16 Inches = 1 Mile



Contour Map

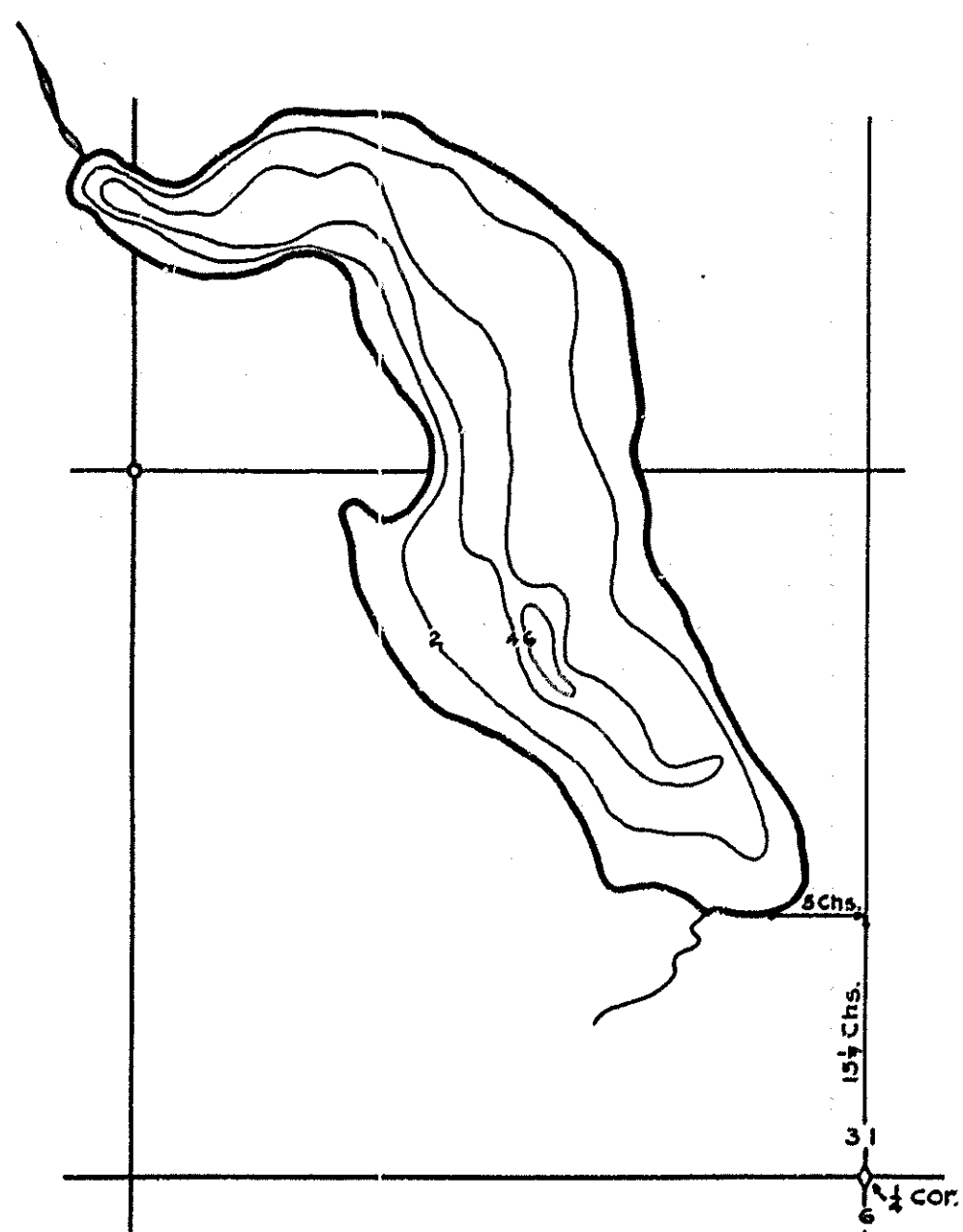


Cover Type and  
 Lake Bottom Soil Type Map

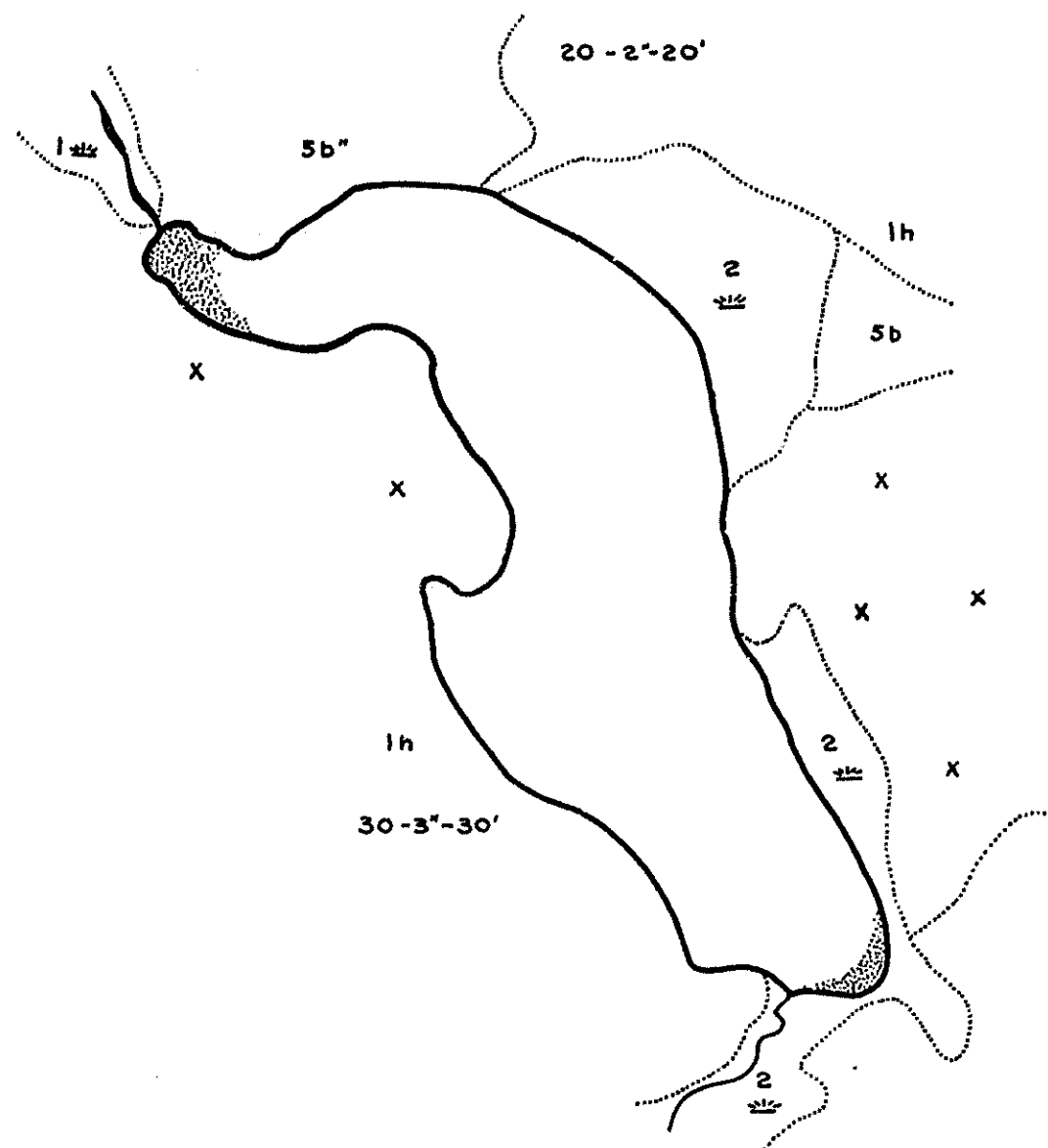


Aquatic Vegetation Map

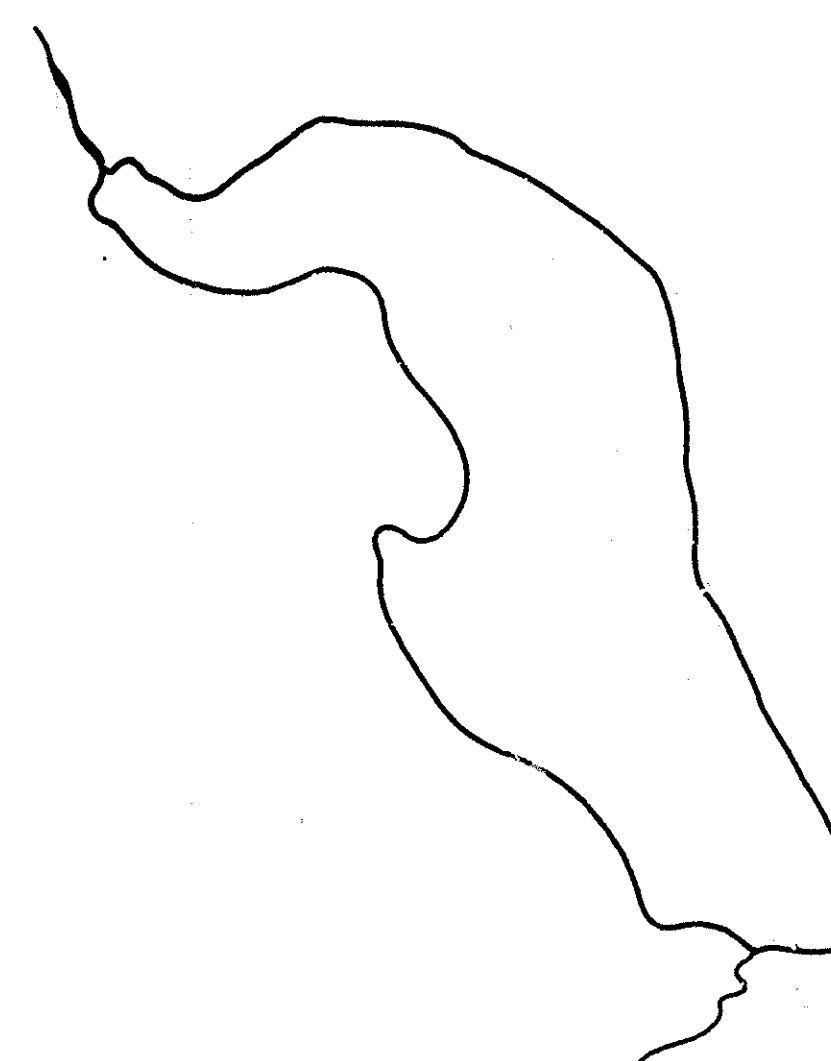
**Upper Dam Lake**  
 Location: Sec. 31, T.47N. R.35W.  
 Area 69 Acres Length of Shoreline 1.9 Miles  
 Scale 8 Inches = 1 Mile



Contour Map  
 Contour Interval = 2'



Cover Type and  
 Lake Bottom Soil Type Map



Aquatic Vegetation Map

HAGAR LAKE - BOG LAKE - KUNZIE LAKE - UPPER DAM LAKE HOUGHTON

J-12-20