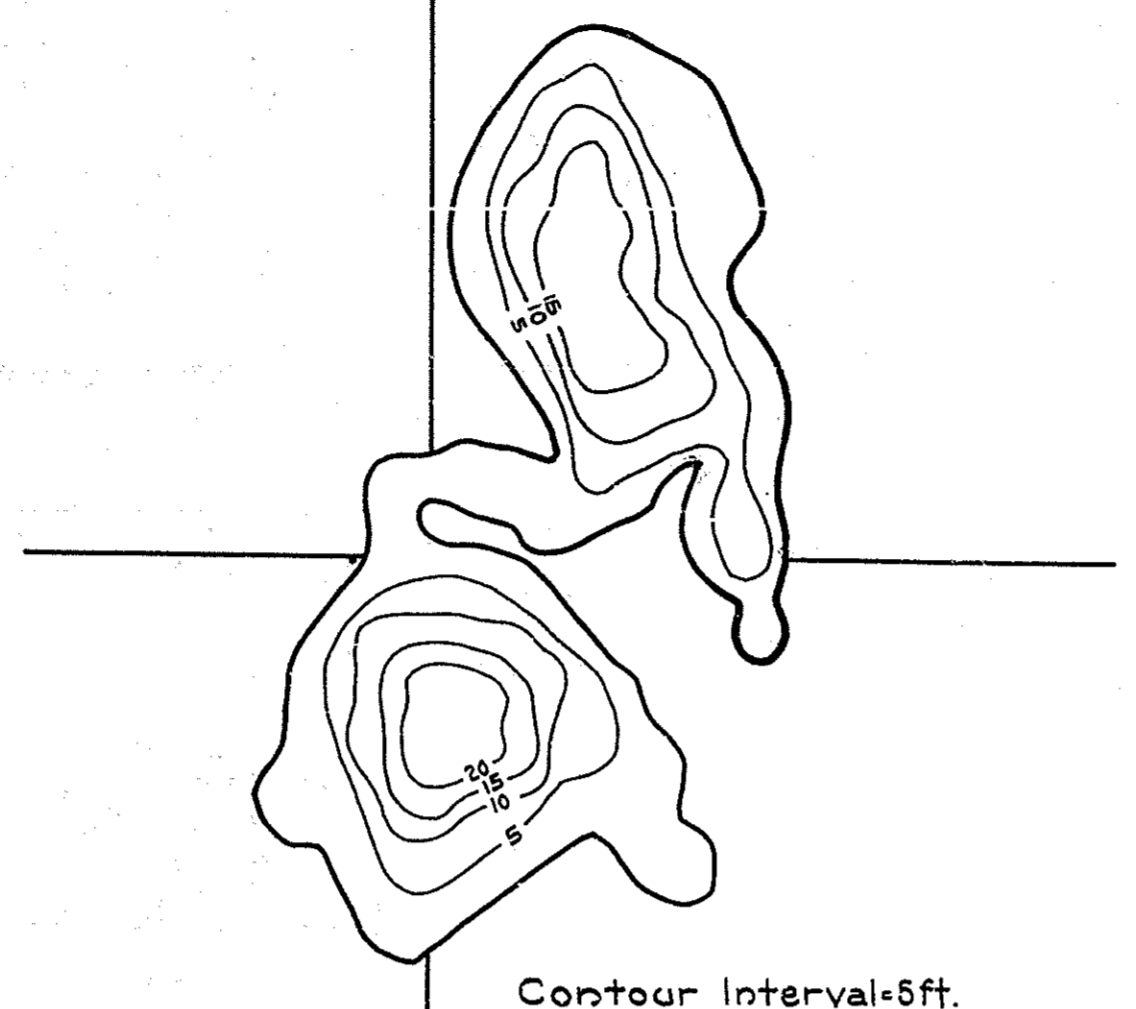


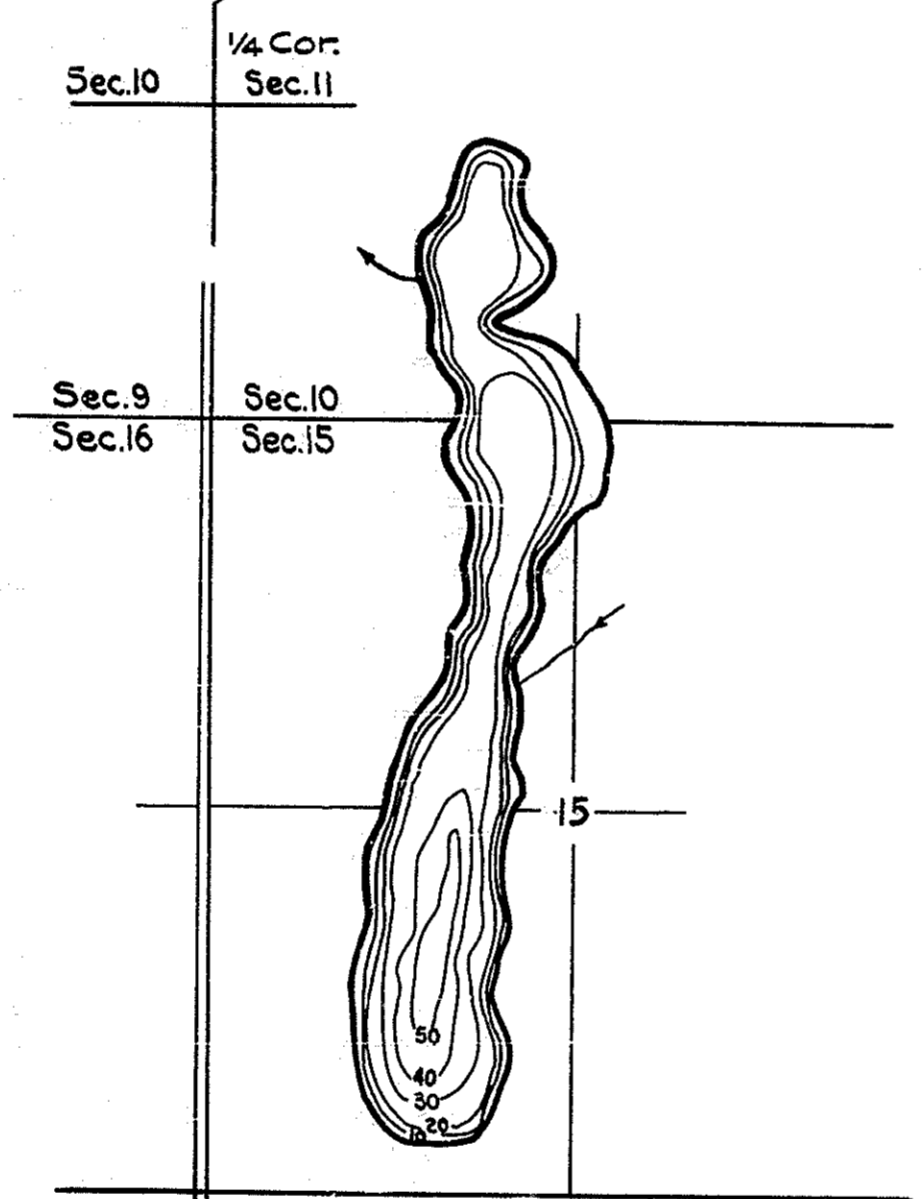
5-8-1

R-9
US Department of Agriculture
Forest Service
LAKE AND STREAM SURVEY
GOOSENECK, LONG, AND CASIN LAKES
Manistee Purchase Unit
Michigan

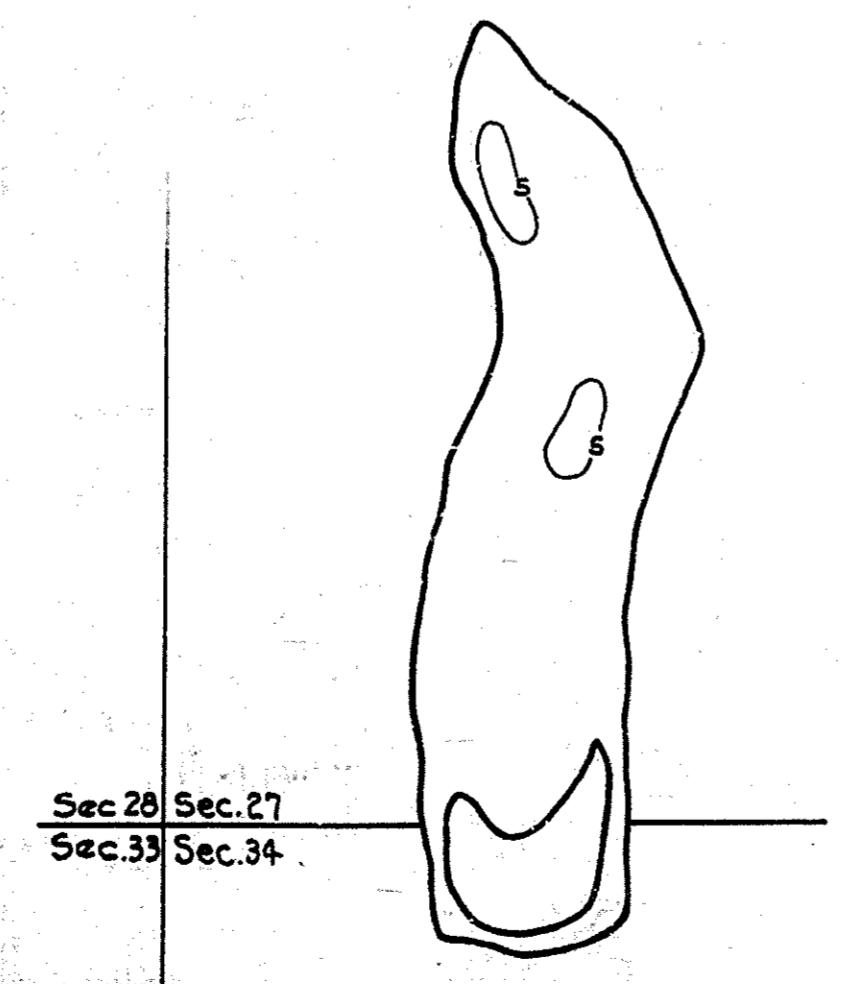
Gooseneck Lake Area 77 Acres.
Long Lake Area 136 Acres.
Casin Lake Area 48 Acres.
Gooseneck Lake Length of Shore Line 2.3 Miles.
Long Lake Length of Shore Line 3.1 Miles.
Casin Lake Length of Shore Line 1.5 Miles.



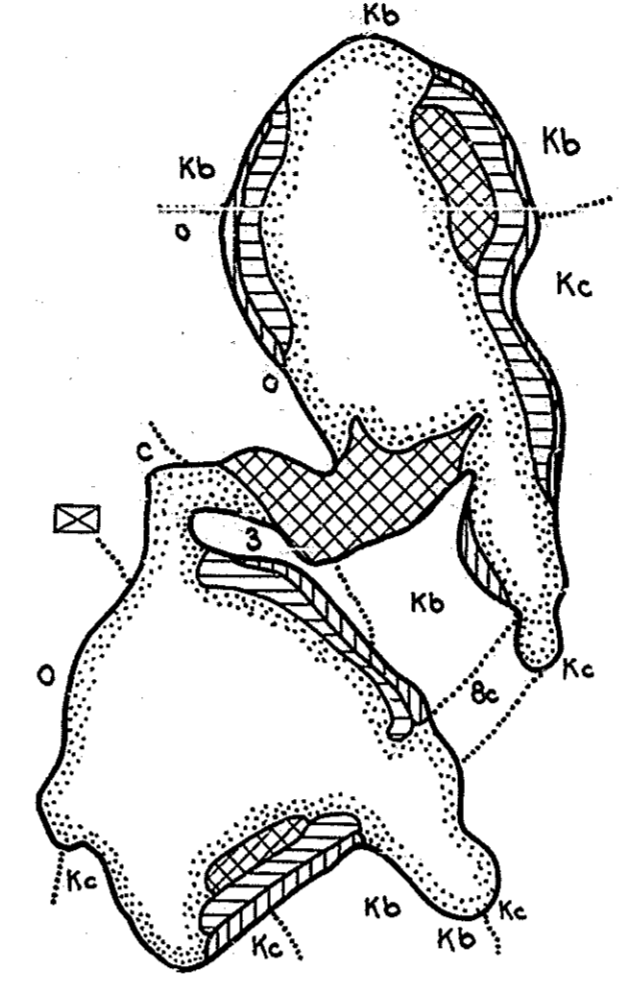
Contour Interval=5ft.



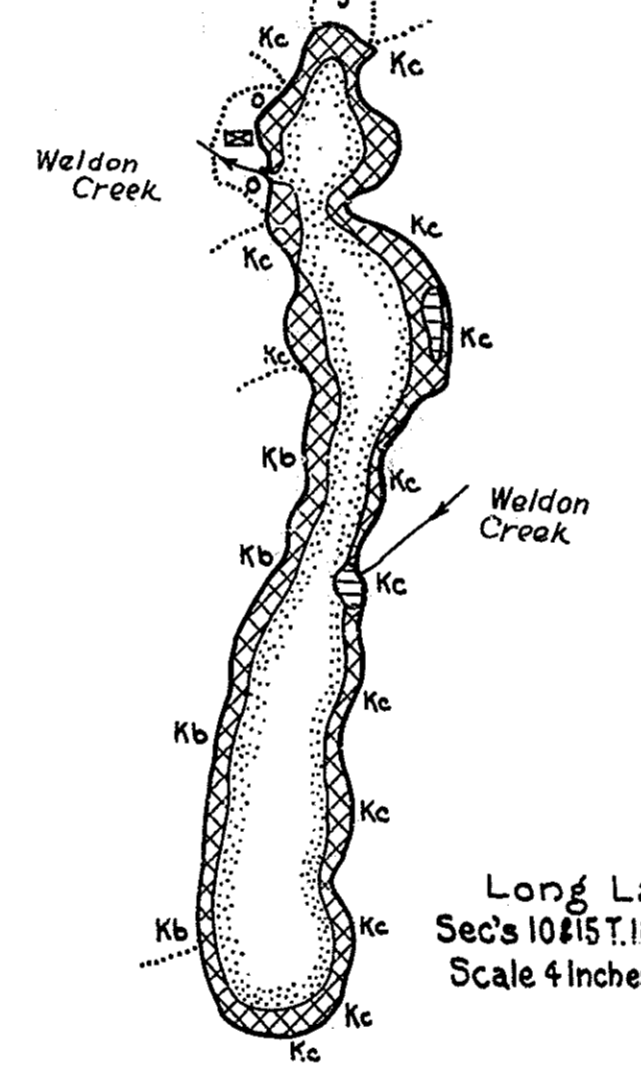
Contour Interval=10ft.



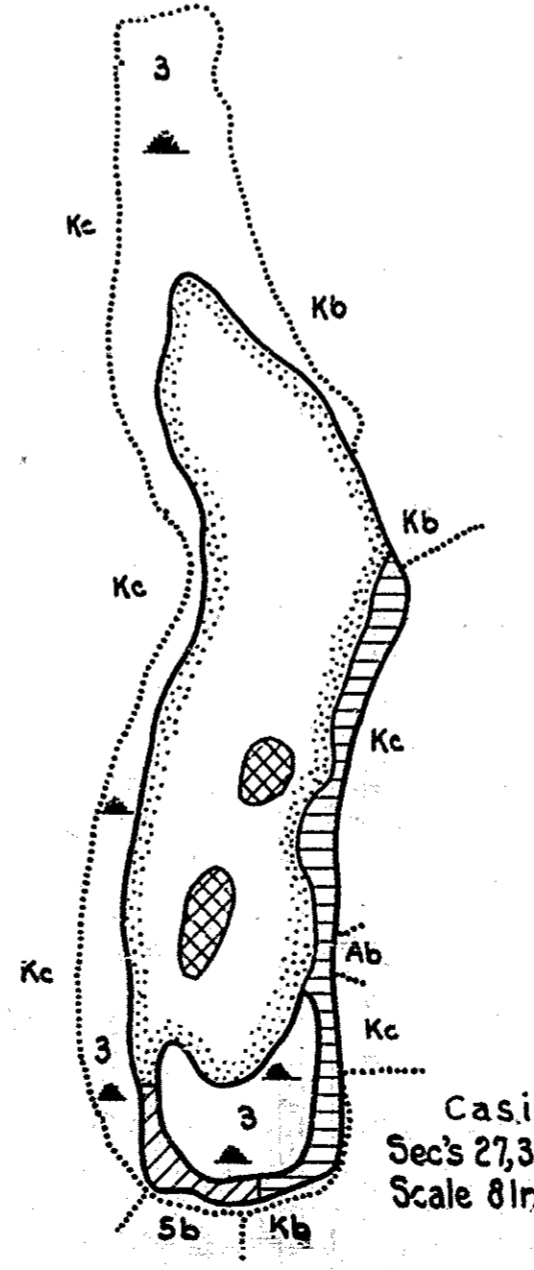
Contour Map
Contour Interval=5ft.



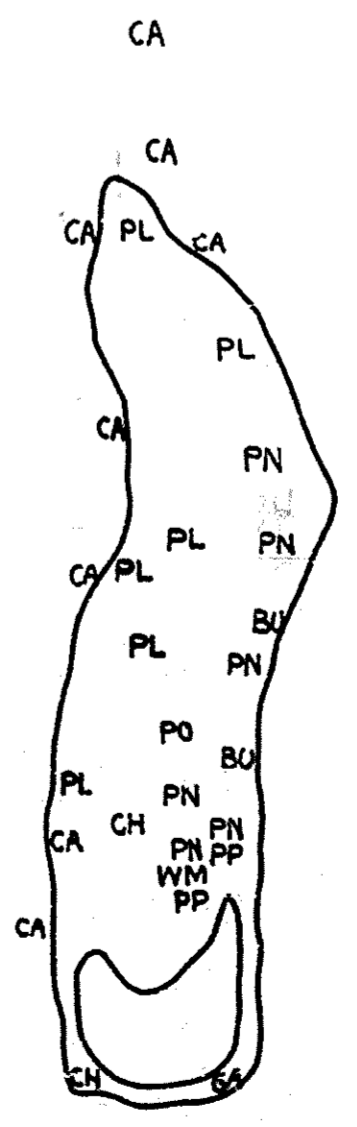
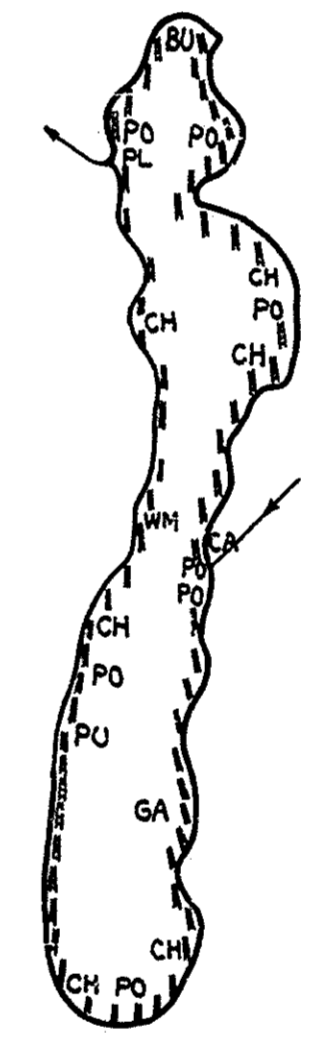
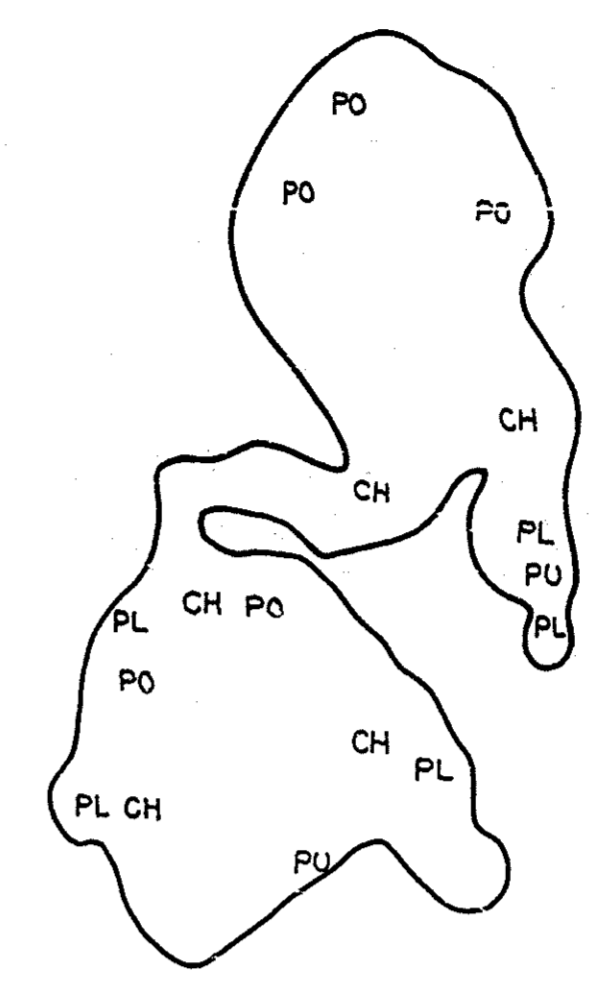
Goose Neck Lake
Sec's 2, 3, 10, & 11 T. 18 N. R. 15 W.
Scale 8 inches=1 Mile.



Long Lake
Sec's 10 & 15 T. 18 N. R. 15 W.
Scale 4 inches=1 Mile.



Casin Lake
Sec's 27, 34 T. 18 N. R. 15 W.
Scale 8 inches=1 Mile.



Aquatic Vegetation Map.