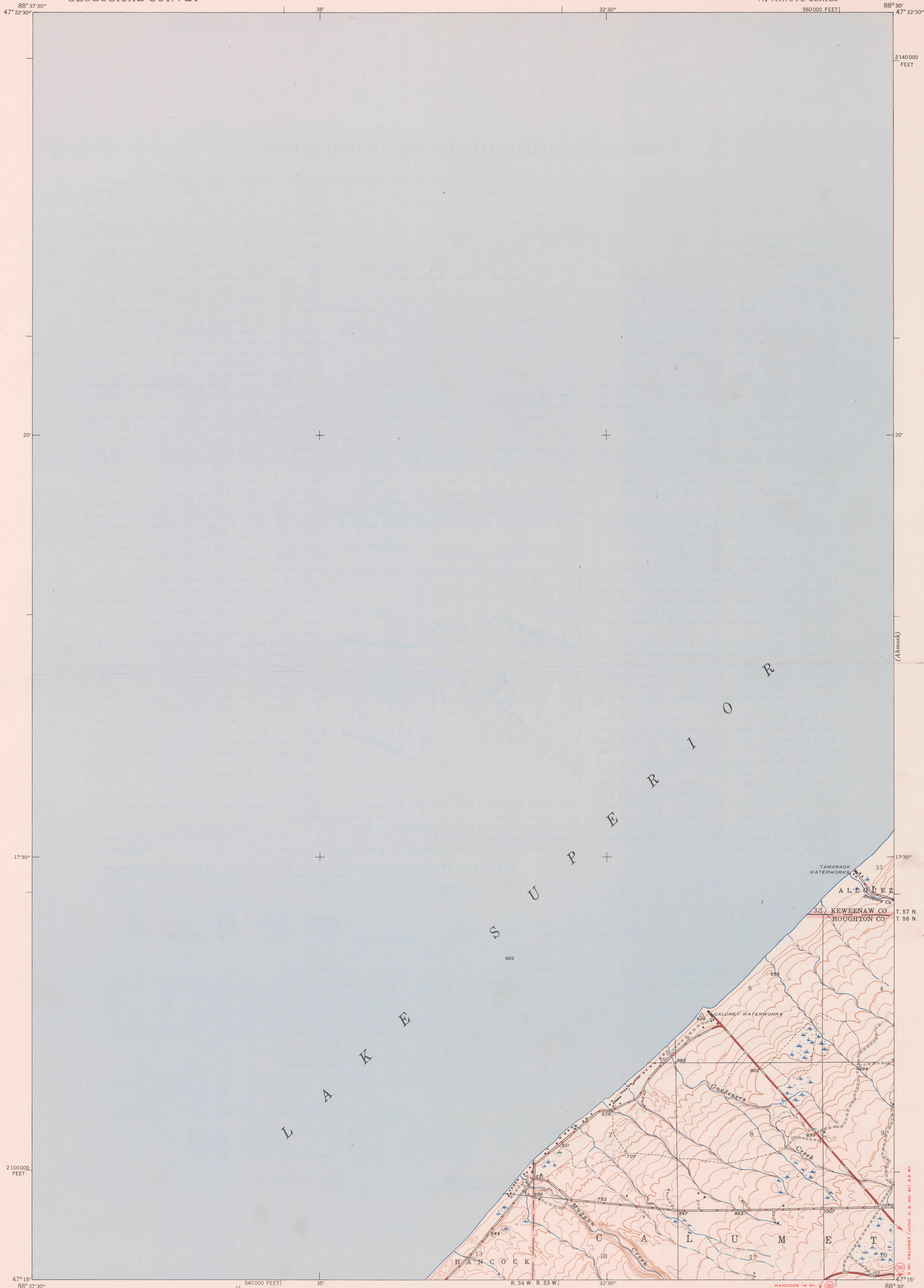


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MICHIGAN
MUGGUN CREEK QUADRANGLE
7½-MINUTE SERIES



Mapped by the Geological Survey
1946

ROAD CLASSIFICATION
Dependable hard-surface
Heavy-duty road
Secondary hard-surface
All-weather road
Dirt road
More than two lanes indicated along road with tick at point of change
U.S. Route
State Route

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1946

Scale 1:24,000
0 500 1000 1500 2000 2500 3000 Yards
0 1000 2000 3000 4000 5000 6000 7000 Feet
0 1 2 3 4 5 6 7 8 9 10 Kilometers
Contour interval 20 feet
Datum is mean sea level

U. S. GEOLOGICAL SURVEY
WASHINGTON
FEB 17 1948
LIBRARY

MUGGUN CREEK, MICH.
Edition of 1948
N4715-W8830/7.5