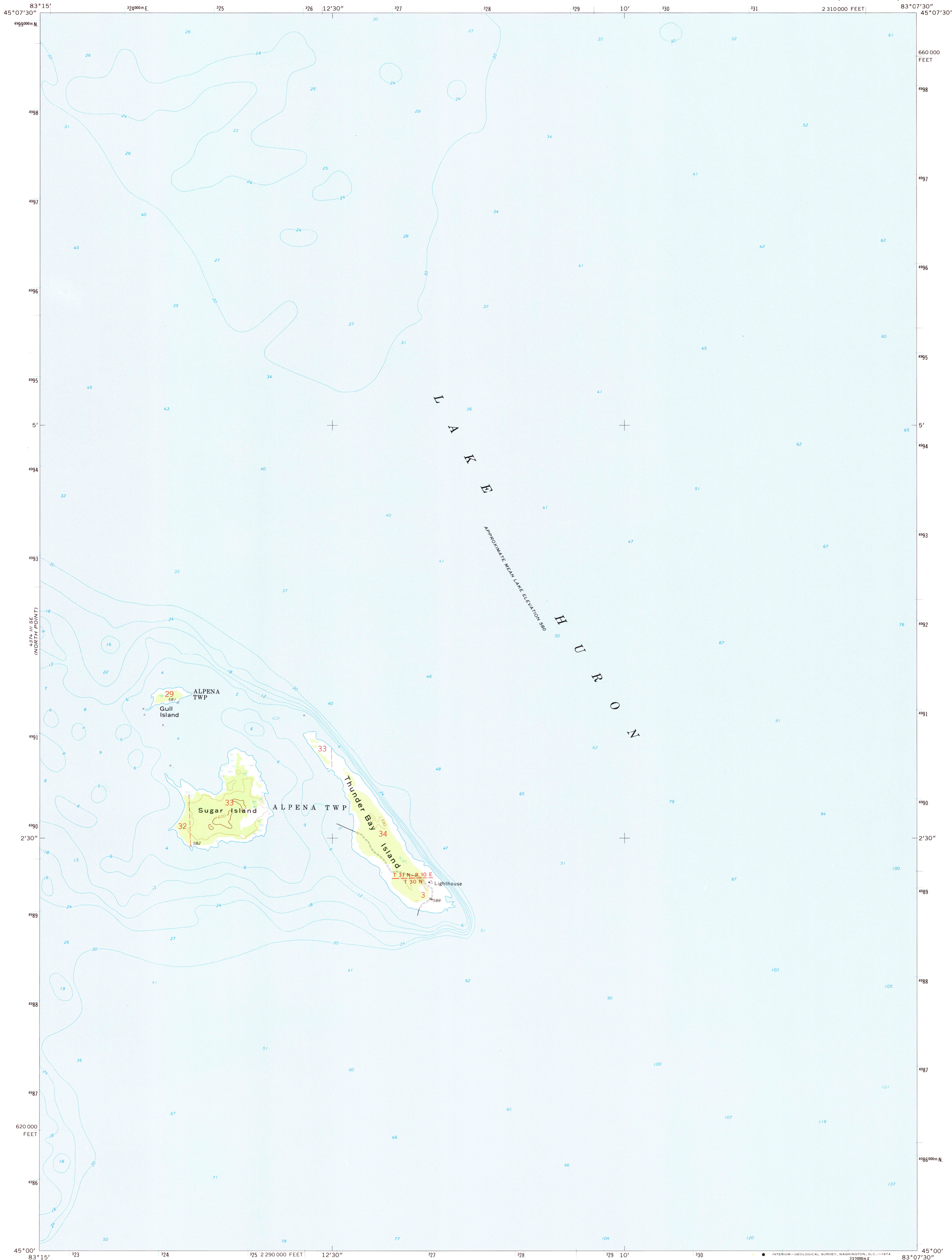


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THUNDER BAY ISLAND QUADRANGLE
MICHIGAN—ALPENA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1971. Field checked 1971
Selected hydrographic data compiled from U. S. Lake Survey Chart 53
(1970). This information is not intended for navigational purposes
Projection and 10,000-foot grid ticks: Michigan coordinate
system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue. 1927 North American datum
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET
51° 59' 27" N
1° 33' 27" E
98 MILS
27 MILS

SCALE 1:24,000
1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 10 KILOMETER
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS LOW WATER 576.8 FEET



ROAD CLASSIFICATION
Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

THUNDER BAY ISLAND, MICH.
N4500—W8307.5/7.5

USGS
Historical File
Topographic Division

1971
AMS 4374 II SW—SERIES V862

AUG 20 1974
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