UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

4374 II NE (MIDDLE ISLAND)
4374 II SE (NORTH POINT)
4373 IV NE (SOUTH POINT)

83°15′ — 45°07′30″ — 83°07′30″ — 45°00′ — 83°15′

4999000m N. — 660 000 FEET — 620 000 FEET

324 000m E. — 325 — 326 — 12′30″ — 327 — 328 — 329 — 10′ — 330 — 331 — 2 310 000 FEET — 332 000m E. — 2 290 000 FEET — 323 — 324 — 325

5′ — 2′30″

4998 — 4997 — 4996 — 4995 — 4994 — 4993 — 4992 — 4991 — 4990 — 4989 — 4988 — 4987 — 4986 — 4986 000m N.

L A K E H U R O N

APPROXIMATE MEAN LAKE ELEVATION 580

ALPENA TWP

29
581
Gull Island

Sugar Island
33
32
582
600

ALPENA TWP

33
Thunder Bay Island
34
590
T 31 N-R 10 E
T 30 N
Lighthouse
3
588

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

MN — GN
5½° 98 MILS — 1°33′ 27 MILS
UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 — 0 — 1 MILE
1000 — 0 — 1000 — 2000 — 3000 — 4000 — 5000 — 6000 — 7000 FEET
1 — 5 — 0 — 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS LOW WATER 576.8 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MICHIGAN
QUADRANGLE LOCATION

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

1971

AMS 4374 II SW—SERIES V862

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