UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SOUTH POINT QUADRANGLE
MICHIGAN—ALPENA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

4374 III SW (ALPENA)
4374 III SE (NORTH POINT)
4374 I SW (THUNDER BAY ISLAND)
4373 IV NW (OSSINEKE)
4373 IV SW (SPRUCE)
4373 IV SE (BLACK RIVER)

83°22′30″ — 83°15′ — 45°00′ — 57′30″ — 55′ — 44°52′30″
2 270 000 FEET — 610 000 FEET — 580 000 FEET — 2 250 000 FEET
3 13 000m E. — 322 000m E. — 4985 000m N. — 4972 000m N.
R. 9 E. — T. 29 N.

LAKE HURON
APPROXIMATE MEAN LAKE ELEVATION 580
THUNDER BAY
Scarecrow Island
MICHIGAN ISLANDS NATIONAL WILDLIFE REFUGE
Hardwood Point
Bird Island
South Point
THUNDER BAY RIVER STATE FOREST
SANBORN
ALPENA STATE PARK
DETROIT AND MACKINAC

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 ic)
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

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
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
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

AUG 13 1974
USGS
Historical File
Topographic Division

SOUTH POINT, MICH.
N4452.5—W8315/7.5

1971

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