UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IMP LAKE QUADRANGLE
MICHIGAN–WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 PHELPS 15' QUADRANGLE

3176 I SW (WATERSMEET)
3176 I SE (FULLER)
3176 IV SW (LAKE MITTAWAKI)
3176 II NW (LAND O LAKES)
3276 III NW (GOLDEN LAKE)
3276 II SW (SMOKY LAKE)
3176 II SE (PIONEER LAKE)

89°07'30" 46°15' 89°00'
337 000mE 38 2 230 000 FEET (WIS.) 39 5' 40 42 2'30" 43 1 490 000 FEET (MICH.)
T 45 N T 44 N R 39 W R 38 W R 11 E (PHELPS) R 38 W
390 000 FEET (WIS.) 500 000 FEET (MICH.) 360 000 FEET (WIS.) 540 000 FEET (MICH.)
5123 000mN 5122 5121 5120 5119 5118 5117 5116 5115 5114 5113 5112 5111 5110 5123
12'30" 10' 07'30"

WAKEFIELD 46 MI.
WATERSMEET 4.5 MI.
IRON RIVER 19 MI.
CRYSTAL FALLS 35 MI.
3.6 MI. TO U.S. 45

PIPELINE

Powwow Lake
Sun Lake
Beaver Pond
Taylor Lake
Taylor Creek
Imp Lake
Tamarack Lake
Cedar Creek
Campground
Picnic Areas
Boat Ramp
Watersmeet Roadside Park
Bush
Stone Lake
Muskeg Lake
Grass L.
Paint River
South Branch Paint River
Paint River Springs
Misery Creek
Misery Bay
Scamp Lake
Katakitckon Indian Village
Cem
Rice Bay
Marsh Bay Creek
Draper Island
Near Island
Desolation Point
Duck Point
Duck Island
LAC VIEUX DESERT
MICHIGAN
WISCONSIN
Tea Lake
Sago Lake
Gravel Pit
Lobischer Creek
Slaughter Bay

OTTAWA NATIONAL FOREST
WATERSMEET
NICOLET NATIONAL FOREST
PHELPS
GOGEBIC CO
VILAS CO

BM 1205
BM 1713
BM 1716
BM 1734
BM 1790
BM 1704
BM 1743
BM 1736
BM 1744
BM 1755
BM 1695
BM 1706
BM 1715
BM 1732
BM 1763
BM 1753

Mapped, edited, and published by the Geological Survey in cooperation with the Wisconsin Division of Highways and Wisconsin Geological and Natural History Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1976. Field checked 1978. Map edited 1982
Hydrography compiled from information furnished by Wisconsin Department of Natural Resources
Projection: Michigan coordinate system, north zone (Lambert conformal conic)
10,000-foot grid ticks based on Michigan coordinate system, north zone, and Wisconsin coordinate system, north zone
1000-meter Universal Transverse Mercator grid, zone 16
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 9 meters east as shown by dashed corner ticks

MN
GN
1°29' 26 MILS
½° 9 MILS
UTM GRID AND 1982 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
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND BY THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909
AND WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY, MADISON, WISCONSIN 53706
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MICHIGAN
QUADRANGLE LOCATION

There may be private inholdings within the boundaries of the National or State reservations shown on this map

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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

IMP LAKE, MICH.–WIS.
NE/4 PHELPS 15' QUADRANGLE
N4607.5–W8900/7.5
1982
DMA 3176 II NE–SERIES V862

MAY 12 1983
7200
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