UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

KIERNAN QUADRANGLE

MICHIGAN—IRON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 SAGOLA 15′ QUADRANGLE

(NED LAKE 1:62 500) 3376 IV
3376 I (WITCH LAKE 1:62 500)
3376 I SE (WITCH LAKE)

88°15′ — 46°15′ — 88°07′30″ — 46°15′
R. 32 W. — R. 31 W.
405 000m E. — 406 — 12′30″ — 407 — 408 — 409 — 410 — 10′ — 1 710 000 FEET — 413
5122 000m N. — T. 45 N. — T. 44 N.
5122 — 5121 — 530 000 FEET — 5120 — 5119 — 5118 — 12′30″ — 5117 — 5116 — 5115 — 5114 — 5113 — 10′ — 5112 — 5111 — 5110 — 5109 000m N. — 5109
T. 44 N. — T. 43 N.

Spot Lake
Beaver Lake
Threemile Creek
RIVER
Marquesan Creek
McMillan Creek
FENCE
McMillan Camp
Shiner Lake
Corbett Lake
Moccasin Lake
Nolle Creek
I R O N R A N G E S T A T E F O R E S T
MANSFIELD RESERVOIR
CRYSTAL FALLS
MICHIGAMME
AVERAGE ELEVATION 1370
North Deerskin Lake
Crotch Lake
Ellen Lake
Little Lake Ellen
Lake Wallace
BM 1406
Michigamme Mountain
Butler Lake
Michigamme Slough
Way Dam
Clarks Creek
Kiernan
CHICAGO MILWAUKEE ST PAUL AND PACIFIC
Hemlock Falls Dam
SPILLWAY 1336
FOREST BDY
Ford R
MICHIGAMME RIVER
CHANNING 2.7 MI.
MANSFIELD 2.7 MI.

3376 II NE (KELSO JUNCTION)
3376 II NE (CHANNING)
(CRYSTAL FALLS) 3376 II SE
(SAGOLA) 3376 II SE
(LAKE MARY) 3376 II SW

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1977

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by multiplex methods from aerial photographs taken 1944. Field check 1945. Culture revised from aerial photographs taken 1955. Field check 1956

Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system, north zone
1000-metre Universal Transverse Mercator grid ticks, zone 16, shown in blue

Revisions shown in purple compiled from aerial photographs taken 1975. This information not field checked

MN — GN — 0°51′ 15 MILS — ½° 9 MILS
UTM GRID AND 1975 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETRE
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
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

USGS
Historical File
Topographic Division

KIERNAN, MICH.
NW/4 SAGOLA 15′ QUADRANGLE
N4607.5—W8807.5/7.5

1956
PHOTOREVISED 1975
AMS 3376 II NW—SERIES V862

2920
SEP 2 2 1977