UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MICHIGAN-WISCONSIN
# GAASTRA QUADRANGLE
7½-MINUTE SERIES

88°37'30" 46°07'30" R. 35 W. R. 34 W. 540000 FEET (MICH.) 35' 2380000 FEET (WIS.) 88°30' 46°07'30"

42 MI. TO U.S. 41
AMASA (JUNC. U.S. 141) 10 MI.
32'30"

(Gibbs City) (Amasa)

1680000 FEET (MICH.)

WATERSMEET 30 MI.
IRON RIVER 0.9 MI.

350000 FEET (WIS.)

FORTUNE LAKE 9.7 MI.
IRON MOUNTAIN 38 MI.

IRON RIVER (JUNC. U.S. 2) 3 MI.
1.2 MI. TO MICH. 189

ALPHA 6.6 MI.
8.9 MI. TO U.S. 2-141

T. 43 N.
T. 42 N.

2670000 YARDS

310000 FEET (WIS.)

2'30"

1650000 FEET (MICH.)

46°00' 88°37'30" 2350000 FEET (WIS.) 1035000 YARDS 35' T. 41 N. R. 15 E. T. 41 N. R. 16 E. (Long Lake 1:48000) 32'30" 560000 FEET (MICH.) 46°00' 88°30' (Florence 1:48000)

Mapped by the Geological Survey
1944

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1958
M R-0118

USGS
Historical File
Topographic Division

Polyconic projection. 1927 North American datum
5000 yard grid based on U. S. zone system, C
10000 foot grids based on Michigan (West) and
Wisconsin (North) rectangular coordinate systems.

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1944

SCALE 1:24000

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

Contour interval 20 feet
Datum is mean sea level

ROAD CLASSIFICATION
Heavy-duty ——— 4 LANE | 6 LANE
Medium-duty — — 4 LANE | 6 LANE
Light-duty ———
Unimproved dirt - - - - -
U. S. Route
State Route

GAASTRA, MICH.-WIS.

N4600—W8830/7.5
1944

FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

FEB 18 1959
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