UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOWARD CITY QUADRANGLE
MICHIGAN
15 MINUTE SERIES (TOPOGRAPHIC)

(WOODVILLE) (CEDAR SPRINGS) (SAND LAKE)

85°30′ 622000m.E. R. 10 W. 25′ R. 9 W. (BIG RAPIDS) 20′ 630 000 FEET R. 8 W. 85°15′
43°30′ T. 13 N. 4816000m.N. 720 000 FEET

BIG RAPIDS 15 MI.
STANWOOD 5.5 MI.
MUSKEGON 52 MI.
NEWAYGO 17 MI.
GRAND RAPIDS 28 MI.
SAND LAKE 17 MI.
EDMORE 12 MI.
ST. LOUIS 33 MI.
5.1 MI. TO MICH. 57
GREENVILLE 4.9 MI.
32 MI. TO U.S. 16

MANISTEE NATIONAL FOREST
AETNA
DEERFIELD
HINTON
REYNOLDS
WINFIELD
CATO
MAPLE VALLEY
PIERSON
PINE
NELSON
SPENCER
MONTCALM

MECOSTA CO
MONTCALM CO
MONTCALM CO
KENT CO

Morley
Howard City
Coral
Maple Hill
Pierson
Trufant
Gowen
Hinton
Lakeview
Amble
Deerfield Ch
Brethren Ch
Cowden Lake Ch
Maple Hill Ch
Nelson Center Sch
Gaffield Sch
Huggard Sch
Victory Sch
Spencer Sch
Pine Flat Sch
James Ch
Settlement Sch
Phillips Sch
St Marys Cem
Reynolds Cem
Aetna Cem
St Apollonia Cem
Boyd Cem
Coady Cem
Maple Valley Cem
Little Denmark Cem
West Pine Cem
Dickerson Cem
Lakeview Cem
Hinton Ch
Rockford Cem
Gravel Pits
Gravel Pit
Oil Well
Oil Wells
Gas Well
Gas Wells
Lakeview Airport
Flat River Park
Kramer Park
Brady Hills
Morley Pond
Crane Lake
Coady Lake
Cranberry Lake
Mosquito Lake
Rocky Lake
Cowden Lake
Paulson Lake
Horseshoe Lake
Kendallville Lake
Farnsworth Lake
Tamarack Lake
Brockway Lake
Pickerel Lake
Krampe Lake
Winfield Lake
Henkel Lake
Burley Lake
Wood Lake
Bradley Lake
Gould Lake
Round Lake
Ward Lake
Picnic Lake
Barnard Lake
Mahaney Lake
Block Lake
Lossin Lake
Rainbow Lake
Middle Lake
Sawdust Lake
Little Lake
Moore Lake
Duncman Lakes
Spring Lake
West Lake
Tacoma Lake
Hunter Lake
Peterson Lake
Mud Lake
Turk Lake
Muskellunge Lake
Muston Lake
Cedar Lake
Bass Lake
Blue Lake
Black Lake
Lincoln Lake
Little Norton Lake
Norton Lake
Simmons Lake
Tamarack Creek
Handy Creek
Rice Creek
Black Creek
Little Muskegon River
Muskegon River
Pennsylvania
BM 915
BM 969
BM 978
BM 1012
BM 985
BM 876
BM 887

640 000 FEET T. 10 N. 43°15′ 85°30′ R. 10 W. 570 000 FEET 25′ R. 9 W. 20′ INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.-1960-NS R. 8 W. 640000m.E. 85°15′ 4791000m.N. T. 10 N.

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1955. Field check 1959

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

APPROXIMATE MEAN DECLINATION, 1959
1½° MAGNETIC NORTH TRUE NORTH

SCALE 1:62500

1 ½ 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MICHIGAN
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty — Light-duty —
Medium-duty — Unimproved dirt - - - -
U.S. Route State Route

HOWARD CITY, MICH.
N4315—W8515/15

1959

JAN 4 1977

USGS
Historical File
Topographic Division

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