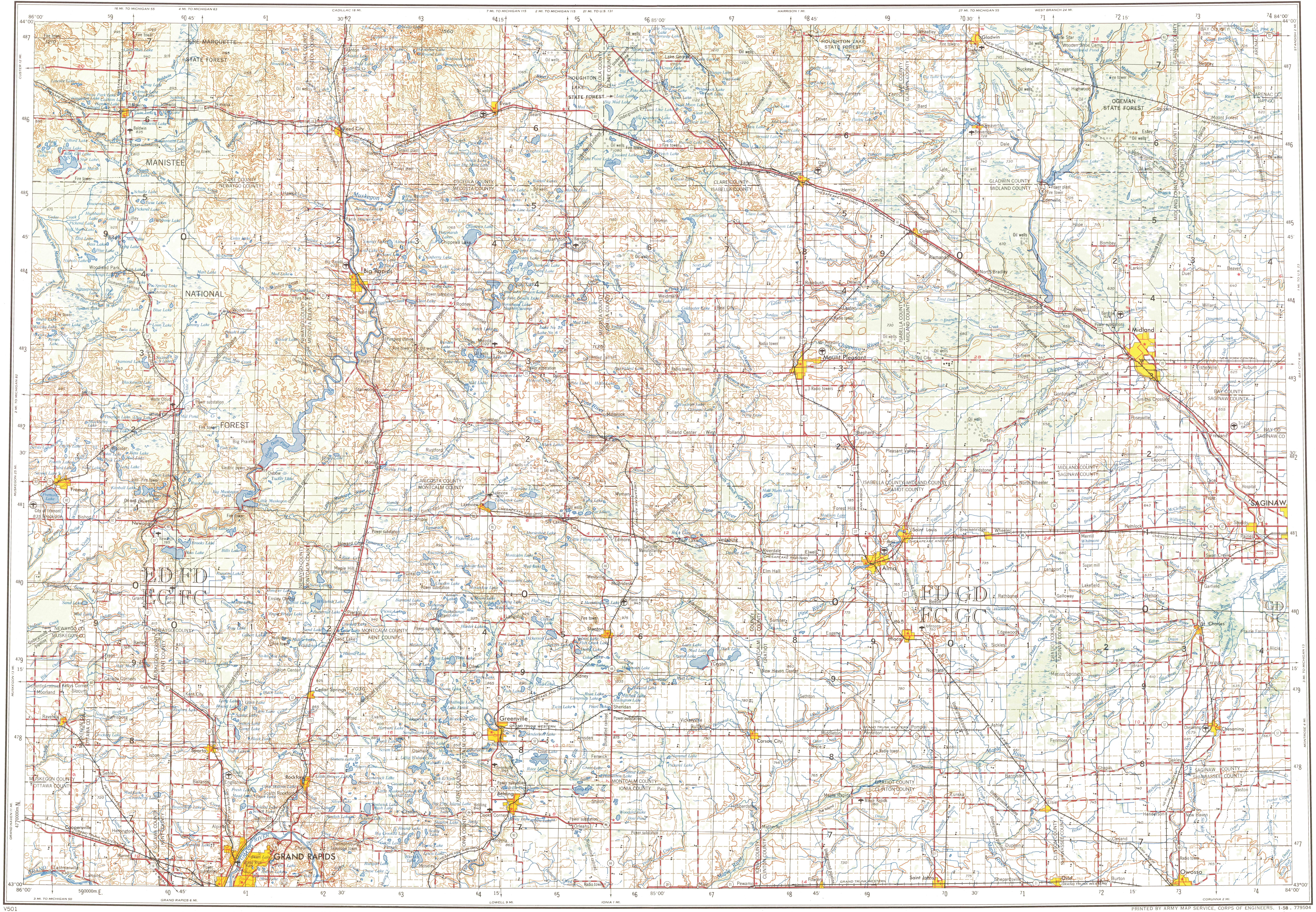
EASTERN UNITED STATES 1:250,000

MIDLAND

EDITION 1-AMS

REFER TO THIS MAP AS:
NK 16-3
SERIES V501

SERIES V501
SHEET NK 16-3
EDITION 1-AMS


16 MI. TO MICHIGAN 55
4 MI. TO MICHIGAN 63
CADILLAC 18 MI.
7 MI. TO MICHIGAN 115
2 MI. TO MICHIGAN 115
21 MI. TO U.S. 131
HARRISON 1 MI.
27 MI. TO MICHIGAN 55
WEST BRANCH 24 MI.
CUSTER 12 MI.
STANDISH 2 MI.
2 MI. TO MICHIGAN 82
MUSKEGON 25 MI.
1 MI. TO U.S. 23
BAY CITY 6 MI.
MUSKEGON 13 MI.
3 MI. TO MICHIGAN 13
GRAND HAVEN 11 MI.
MONTROSE 4 MI.
3 MI. TO MICHIGAN 50
GRAND RAPIDS 6 MI.
LOWELL 9 MI.
IONIA 1 MI.
CORUNNA 2 MI.
86°00′
44°00′
84°00′
43°00′
85°00′
45′
30′
15′
4770000m. N.
590000m. E.
PERE MARQUETTE STATE FOREST
MANISTEE NATIONAL FOREST
HOUGHTON LAKE STATE FOREST
HOUGHTON LAKE STATE FOREST
OGEMAN STATE FOREST
Baldwin
Reed City
Evart
Big Rapids
White Cloud
Fremont
Newaygo
Clare
Farwell
Gladwin
Beaverton
Coleman
Mount Pleasant
Midland
Sanford
Saint Louis
Alma
Ithaca
Saginaw
Lakeview
Stanton
Greenville
Belding
Rockford
Cedar Springs
Sparta
GRAND RAPIDS
Carson City
Saint Johns
Ovid
Owosso
Chesaning
St Charles
Muskegon River
Chippewa River
Pine River
Tittabawassee River
Maple River
Grand River
Shiawassee River
Bad River
LAKE COUNTY
NEWAYGO COUNTY
OSCEOLA COUNTY
MECOSTA COUNTY
CLARE COUNTY
ISABELLA COUNTY
GLADWIN COUNTY
MIDLAND COUNTY
BAY COUNTY
ARENAC CO
SAGINAW COUNTY
GRATIOT COUNTY
MONTCALM COUNTY
KENT COUNTY
MUSKEGON COUNTY
OTTAWA COUNTY
IONIA COUNTY
CLINTON COUNTY
SHIAWASSEE COUNTY
CHESAPEAKE AND OHIO
NEW YORK CENTRAL
GRAND TRUNK WESTERN
ANN ARBOR
PENNSYLVANIA
ED FD
EC FC
FD GD
FC GC
GD
GC

V501
Edition 1-AMS (First Printing, 1-58)

Prepared by the Army Map Service (BEGN), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1955 by photogrammetric methods. Horizontal and vertical control by USGS and USC & GS. Aerial photography 1953. Photography field annotated 1954.

LEGEND

ROAD DATA 1954

Figures in red denote approximate distances in miles between stars

POPULATED PLACES
- Over 500,000 — BOSTON
- 100,000 to 500,000 — RICHMOND
- 25,000 to 100,000 — EVANSTON
- 5,000 to 25,000 — Hialeah
- 1,000 to 5,000 — Bar Harbor
- Less than 1,000 — Fishkill

RAILROADS (Single track; Double or Multiple)
- Standard gauge
- Narrow gauge

BOUNDARIES
- International
- State
- County
- Park or reservation

ROADS
- Hard surface, heavy duty
  - More than two lanes wide (3 LANES | 4 LANES)
  - Two lanes wide; Federal route marker (151)
- Hard surface, medium duty
  - More than two lanes wide (3 LANES | 4 LANES)
  - Two lanes wide; State route marker (10)
- Improved light duty
- Unimproved dirt
- Trail

- Landplane airport
- Landing area
- Seaplane airport
- Orchard
- Woods-brushwood
- Landmarks: School; Church; Other
- Horizontal control point △
- Spot elevation in feet .221
- Marsh or swamp
- Intermittent or dry stream
- Power line

Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 50 FEET

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16
THE LAST FOUR DIGITS OF THE GRID NUMBERS ARE OMITTED

1955 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 0°15′ WESTERLY FOR THE CENTER OF THE WEST EDGE TO 2°45′ WESTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°01′ WESTERLY.

USERS NOTING ERRORS OR OMISSIONS ON THIS MAP ARE URGED TO MARK HEREON AND FORWARD DIRECTLY TO COMMANDING OFFICER, ARMY MAP SERVICE, WASHINGTON, D. C. MAPS SO FORWARDED WILL BE RETURNED OR REPLACED IF DESIRED.

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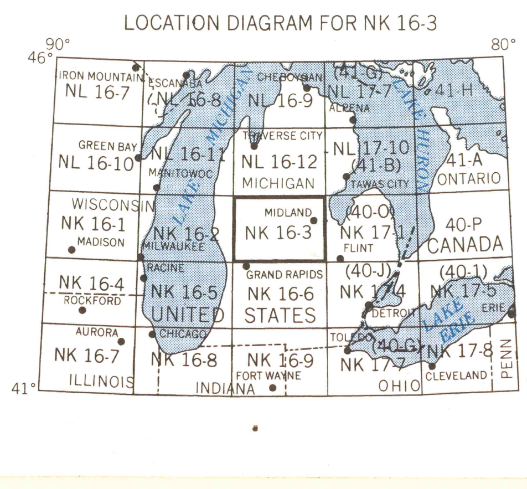
LOCATION DIAGRAM FOR NK 16-3


90°
46°
80°
41°
IRON MOUNTAIN NL 16-7
ESCANABA (NL 16-8)
CHEBOYGAN NL 16-9
(41-G) NL 17-7
41-H
GREEN BAY NL 16-10
NL 16-11 MANITOWOC
TRAVERSE CITY NL 16-12 MICHIGAN
NL 17-10 (41-B) TAWAS CITY
41-A ONTARIO
WISCONSIN NK 16-1 MADISON
NK 16-2 MILWAUKEE
MIDLAND NK 16-3
(40-O) NK 17-1 FLINT
40-P CANADA
NK 16-4 ROCKFORD
RACINE NK 16-5 UNITED
GRAND RAPIDS NK 16-6 STATES
(40-J) NK 17-4 DETROIT
(40-1) NK 17-5 ERIE
AURORA NK 16-7 ILLINOIS
CHICAGO NK 16-8 INDIANA
NK 16-9 FORT WAYNE
TOLEDO (40-G) NK 17-7 OHIO
NK 17-8 CLEVELAND
PENN
LAKE MICHIGAN
LAKE HURON
LAKE ERIE

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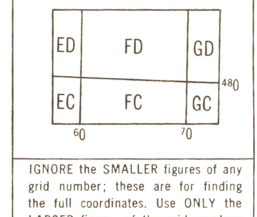
GRID ZONE DESIGNATION:
16T

100,000 M. SQUARE IDENTIFICATION


ED
FD
GD
EC
FC
GC
480
60
70

IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number; example: 4770000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

SAMPLE POINT: ASHLEY

1. Read letters identifying 100,000 meter square in which the point lies:	GC
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself: Estimate tenths from grid line to point:	0 5
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself: Estimate tenths from grid line to point:	8 4
SAMPLE REFERENCE:	GC0584
If reporting beyond 18° in any direction, prefix Grid Zone Designation, as:	16TGC0584

United States. Topo. 1:250,000. ~~MIDLAND, MICHIGAN~~
sheet Midland. cop. 1.