



Prepared by the Defense Mapping Agency, Topographic Center, Washington, D. C. Compiled in 1954 from United States quadrangles, 1:24,000, 1:31,680, 1:62,500 and 1:63,360, 1899-1951. County highway maps, 1940-51. Planimetry revised from aerial photographs taken 1949-1951. Map field checked 1955. Revised by the U. S. Geological Survey from aerial photographs taken 1977 and other source data. Revised information not field checked. Map edited 1978.

Selected hydrographic data compiled from NOS charts. This information is not intended for navigational purposes.

100,000-foot grids based on Ohio coordinate system, north zone, and Michigan coordinate system, south zone.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

POPULATED PLACES

- Over 500,000
- 100,000 to 500,000
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- Less than 1,000

Standard gauge
Narrow gauge
Railroads
Fishhook
Landing area
Seaplane airport
Power line
Spot elevation in feet
Mine

**BOSTON
RICHMOND
EVANSTON**

NEWARK

LANDMARKS

- School; Church; Other
- Limit of curve in feet
- Rock; Awash
- Foreshore flat
- Intermittent or dry stream
- Marsh or swamp

BOUNDARIES

- State
- County
- Park or reservation
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

LEGEND

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State
- Landplane airport
- Seaplane airport
- Power line
- Spot elevation in feet
- Mine

Scale 1:250,000

CONTOUR INTERVAL 50 FEET

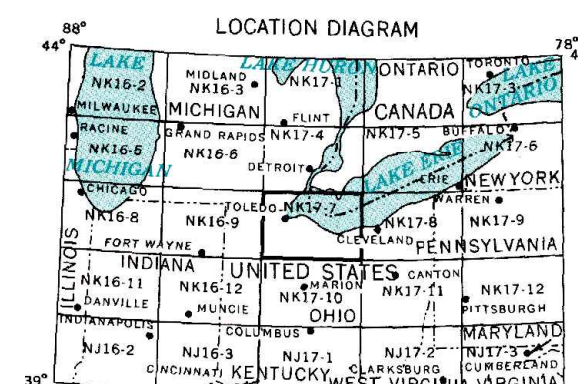
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 9° (50 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 44° (80 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092

LOCATION DIAGRAM



SECTIONIZED TOWNSHIP									
6	5	4	3	2	1				
7	8	9	10	11	12				
18	17	16	15	14	13				
19	20	21	22	23	24				
30	29	28	27	26	25				
31	32	33	34	35	36				

GRID ZONE DESIGNATION									
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17
17	17	17	17	17	17	17	17	17	17

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY
LAND LINES ESTABLISHED
BY PRIVATE SURVEYS

TOLEDO, OHIO; MICH., U.S.; ONTARIO, CAN.
1956
REVISED 1978