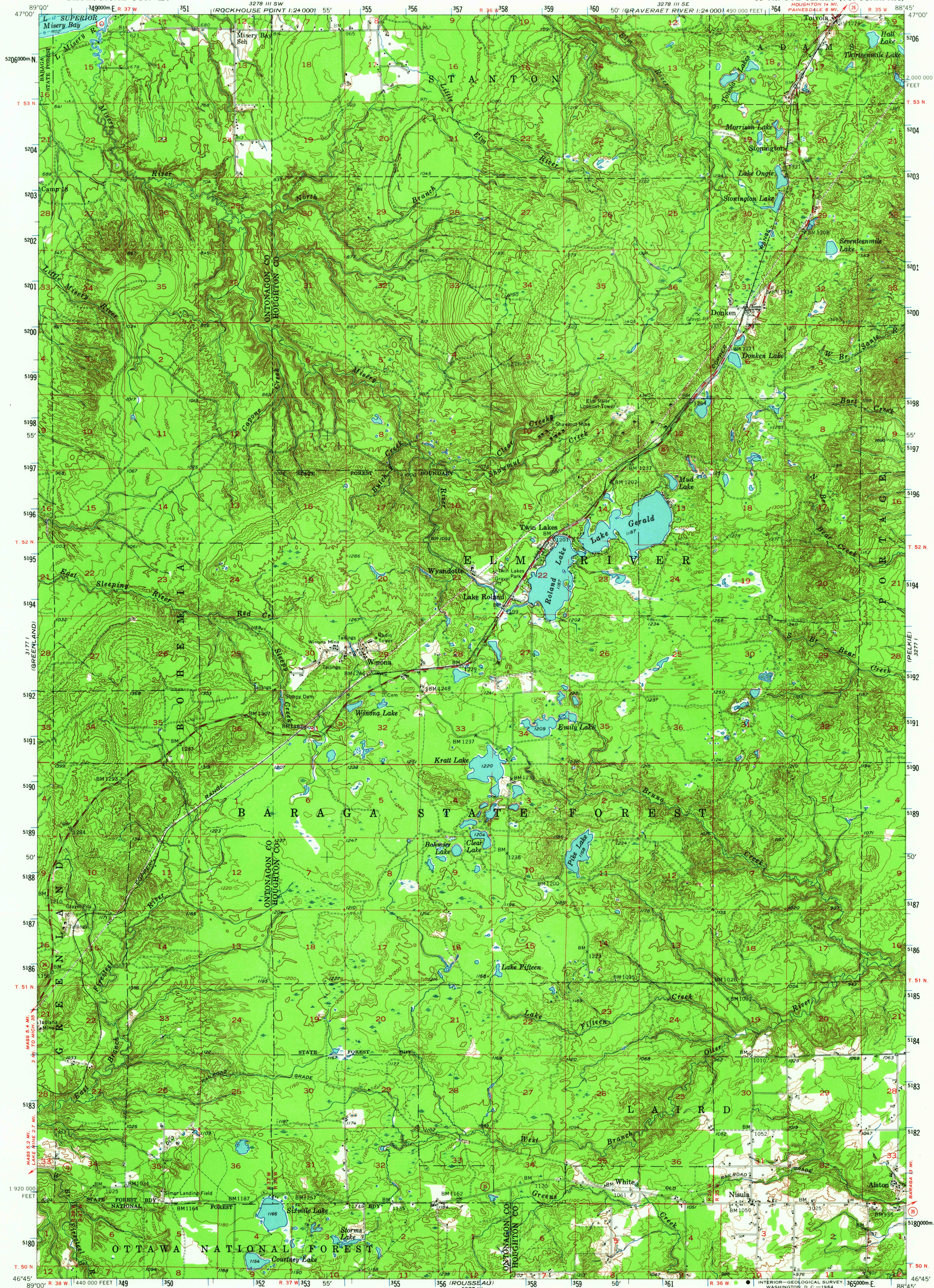


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WINONA QUADRANGLE
MICHIGAN
15 MINUTE SERIES (TOPOGRAPHIC)



Maped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods

Aerial photographs taken 1951 and 1953. Field check 1954

Hydrography from U. S. Lake Survey Chart 95 (1:120 000)

Polyconic projection. 1927 North American datum

10,000-foot grid based on Michigan coordinate system,

west zone

1000-meter Universal Transverse Mercator grid ticks,

zone 16, shown in blue

Unchecked elevations are shown in brown

SCALE 1:62500

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 20 FEET

DATUM IS MEAN SEA LEVEL

DEPTH CURVES IN FEET-DATUM IS 601 FEET

ROAD CLASSIFICATION

Heavy-duty 4 LANE 16 LANE Light-duty

Medium-duty 4 LANE 16 LANE Unimproved dirt

U. S. Route State Route

USGS
Historical File
Topographic Division

WINONA, MICH.

N4645-W8845/15

1954

AMS 3277 IV-SERIES V762

SEP 21 1964

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