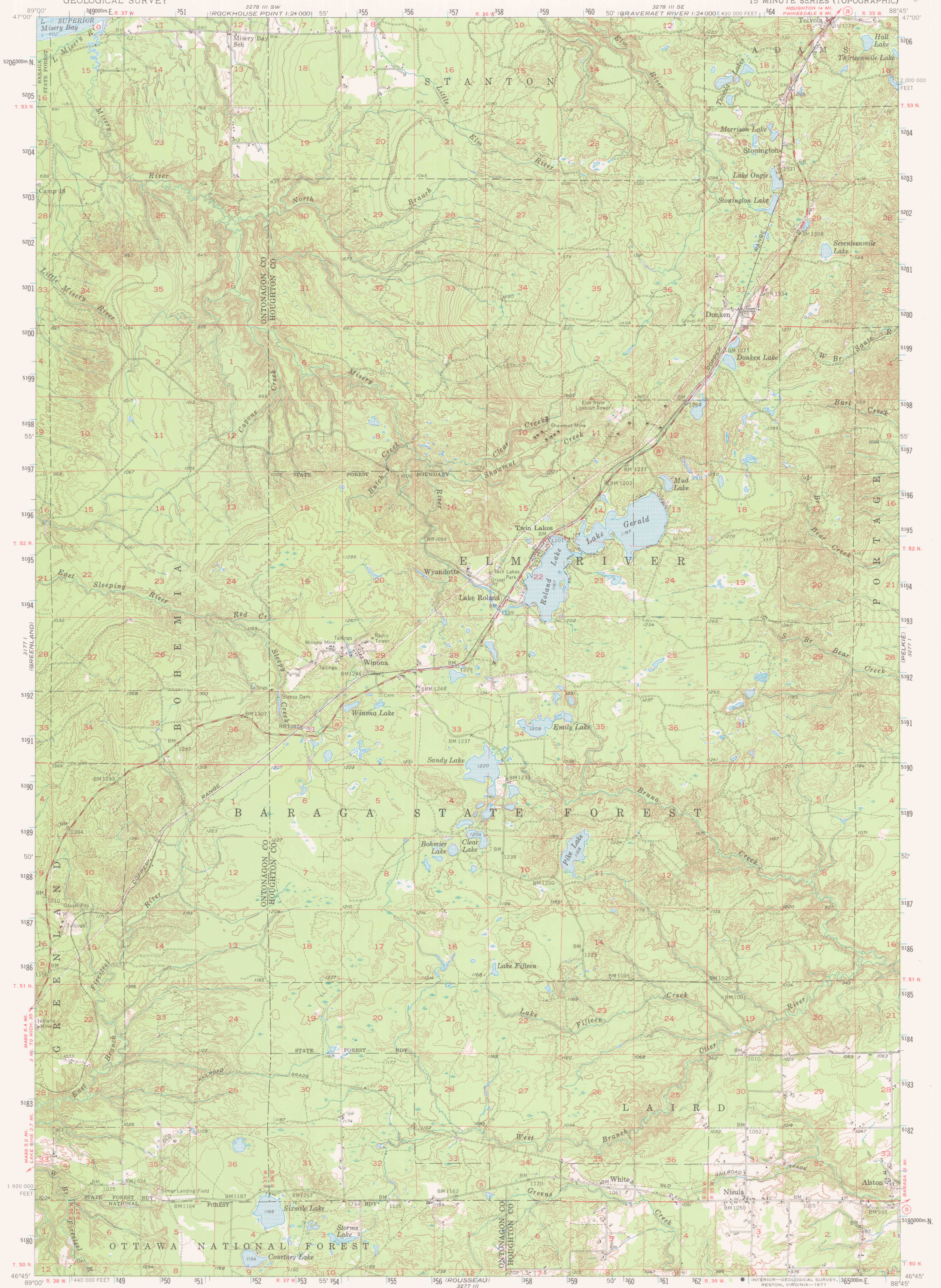
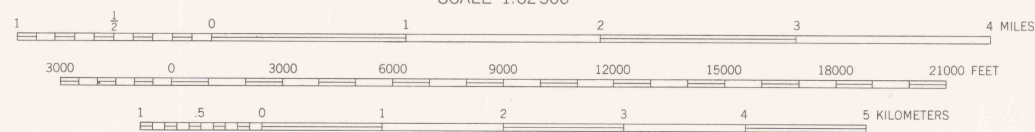
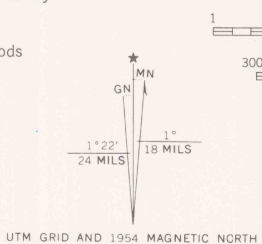


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WINONA QUADRANGLE  
MICHIGAN  
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, 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



CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
DEPTH CURVES IN FEET - DATUM IS 601 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION  
Heavy-duty ——— 2 LANE BLANK Light-duty ———  
Medium-duty ——— 2 LANE BLANK Unimproved dirt ———  
U. S. Route ——— State Route ———



WINONA, MICH.  
N4645-W8845/15

1954

AMS 3277 IV—SERIES V762

USGS  
Historical File  
Topographic Division

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