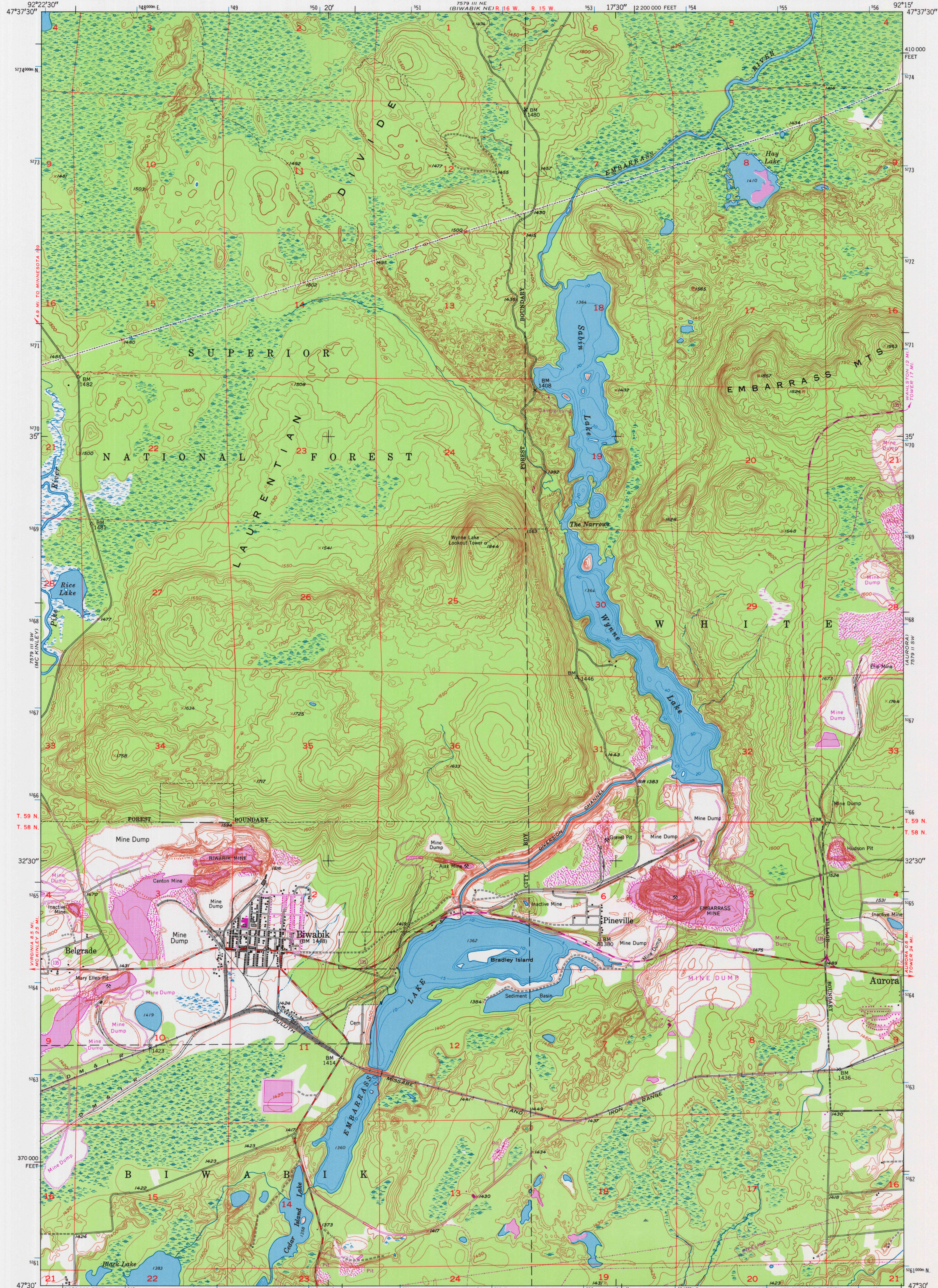


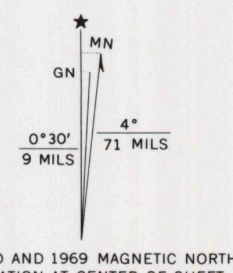
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION

BIWABIK QUADRANGLE
MINNESOTA-ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1947. Field check 1950
Polyconic projection. 1927 North American datum
10,000-foot grid based on Minnesota coordinate system,
north zone
1000 meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Depth curves compiled from charts furnished
by Minnesota Department of Conservation
Revisions shown in purple compiled from aerial photographs
taken 1969. This information not field checked



SCALE 1:24 000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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
BIWABIK, MINN.
N4730-W9215/7.5
1950
PHOTOREVISED 1969

AMS 7579 III SE--SERIES V872

FEB 23 1977
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