

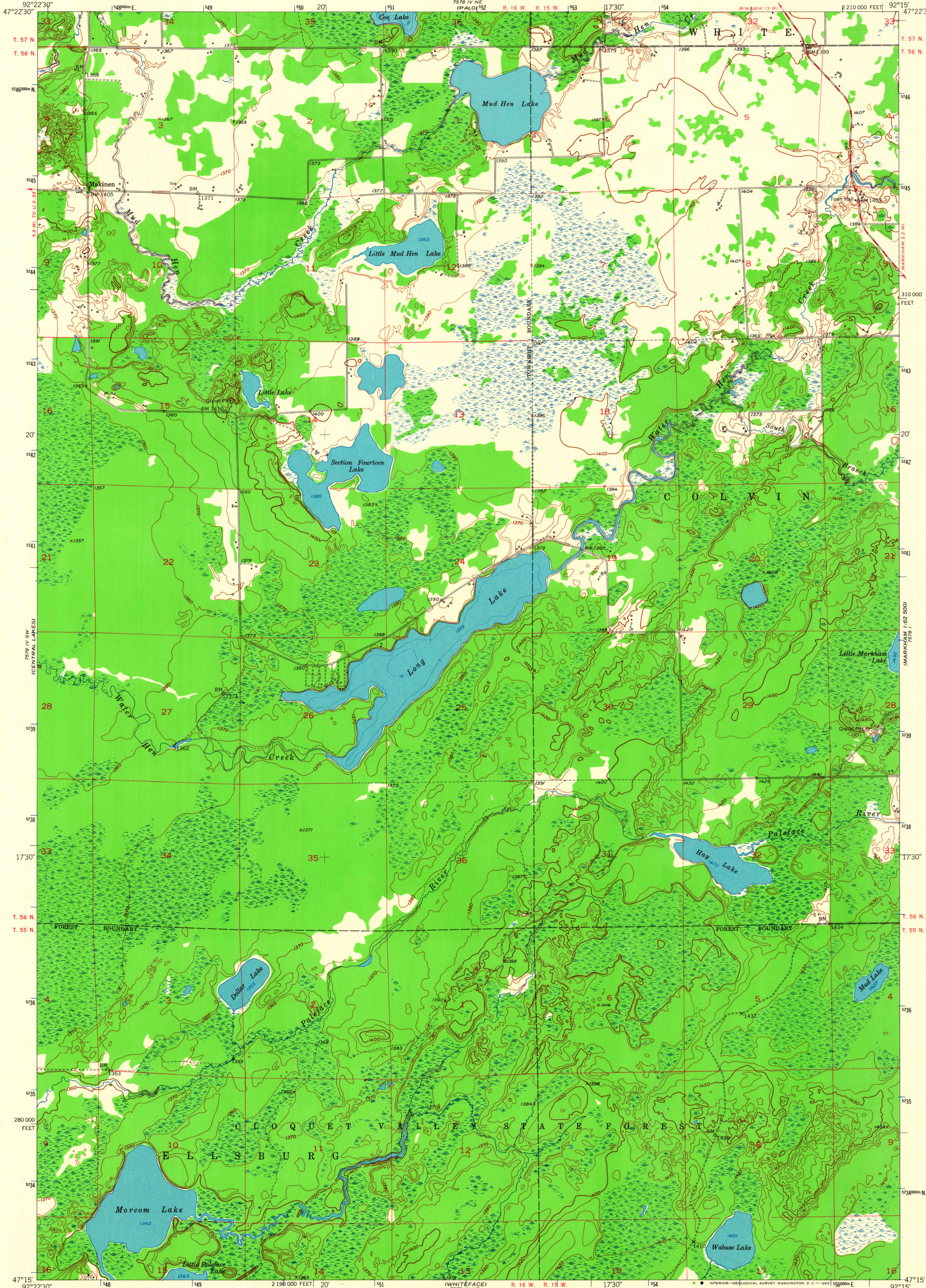
7578 IV NW
(GULCHES)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION
EDWARD G. BAYUK, COMMISSIONER

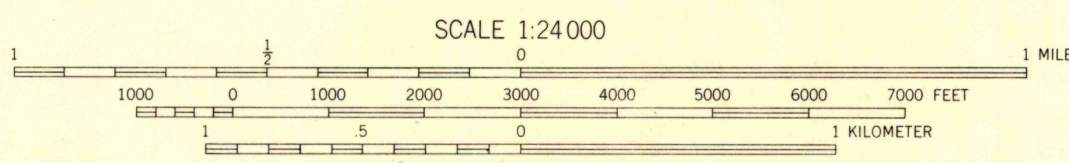
MAKINEN QUADRANGLE
MINNESOTA-ST. LOUIS COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)

7578 I SE
(MANKHAN 1:62 5000)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by Kelsh plotter
Aerial photographs taken 1950. Field check 1951
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

UTM GRID AND 1951 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

USGS
Historical File
Topographic Division

ROAD CLASSIFICATION
Heavy-duty 4 LANE 16 LANE Light-duty
Medium-duty 4 LANE 16 LANE Unimproved dirt
U.S. Route State Route

MAKINEN, MINN.
N4715-W9215/7.5

1951

AMS 7578 IV SE-SERIES V872

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

JUN 28 196

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