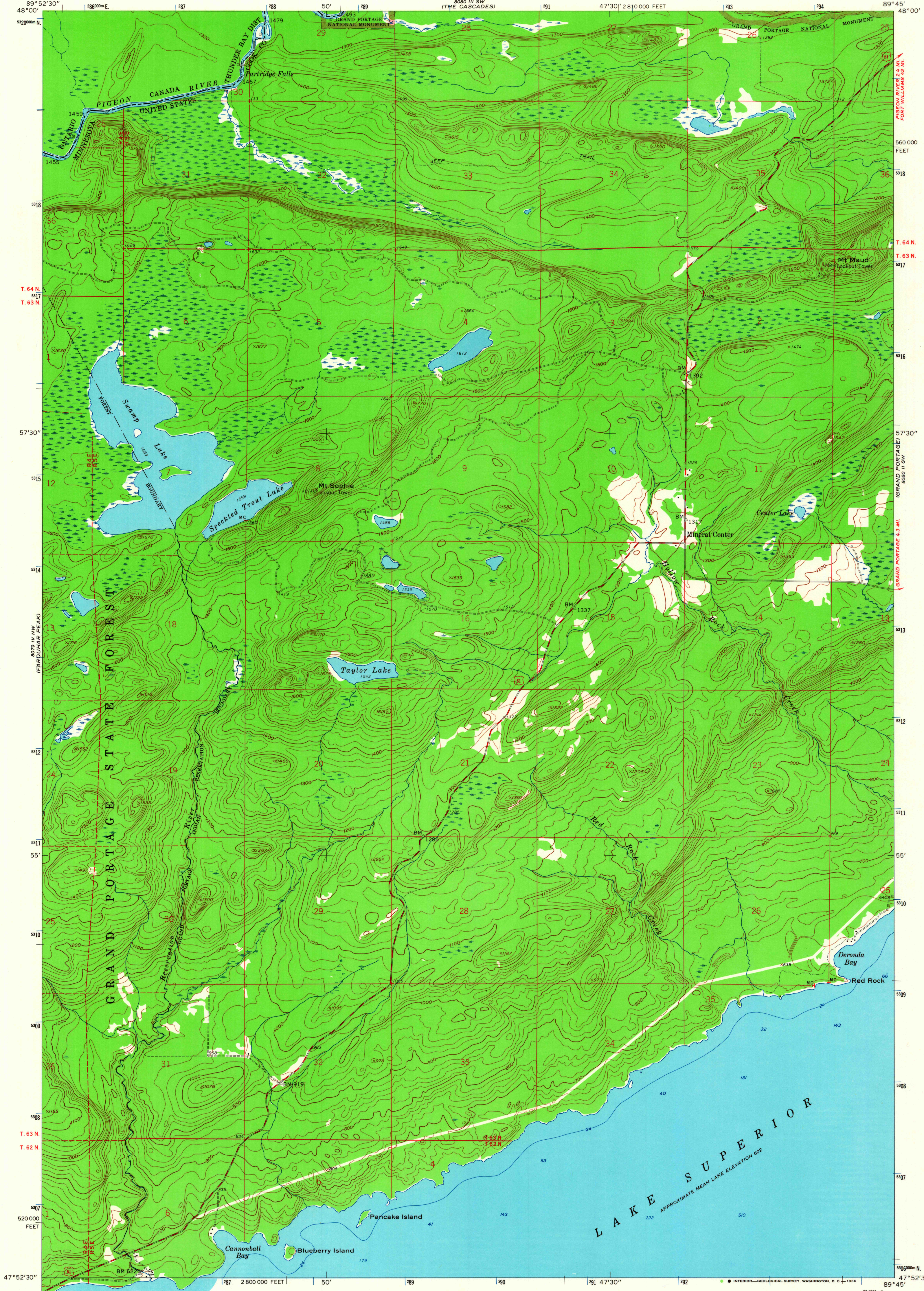


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION
A. M. DEYOANES, COMMISSIONER
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(THE CASCADES)

MINERAL CENTER QUADRANGLE
MINNESOTA
7.5 MINUTE SERIES (TOPOGRAPHIC)



Maped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and International Boundary Commission
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1957. Field check 1959
Canadian portion copied from Pigeon River West quadrangle
(1:50 000) 1959, Army Survey Establishment, RCE
Selected hydrographic data compiled from U. S. Lake Survey
Chart 97 (1958). This information is not intended
for navigational purposes
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 16, shown in blue
Dashed land lines indicate approximate locations

SCALE 1:24 000
1 000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 20 FEET
CONTOUR INTERVAL IN CANADIAN AREA 50 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS LOW WATER 601.6 FEET

USGS
Historical File
Topographic Division
ROAD CLASSIFICATION
Medium-duty ——— Light-duty ———
Unimproved dirt ———
U. S. Route
MINERAL CENTER, MINN.
N4752.5—W8945.7.5
1959
AMS 8079 IV NE—SERIES V872

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