

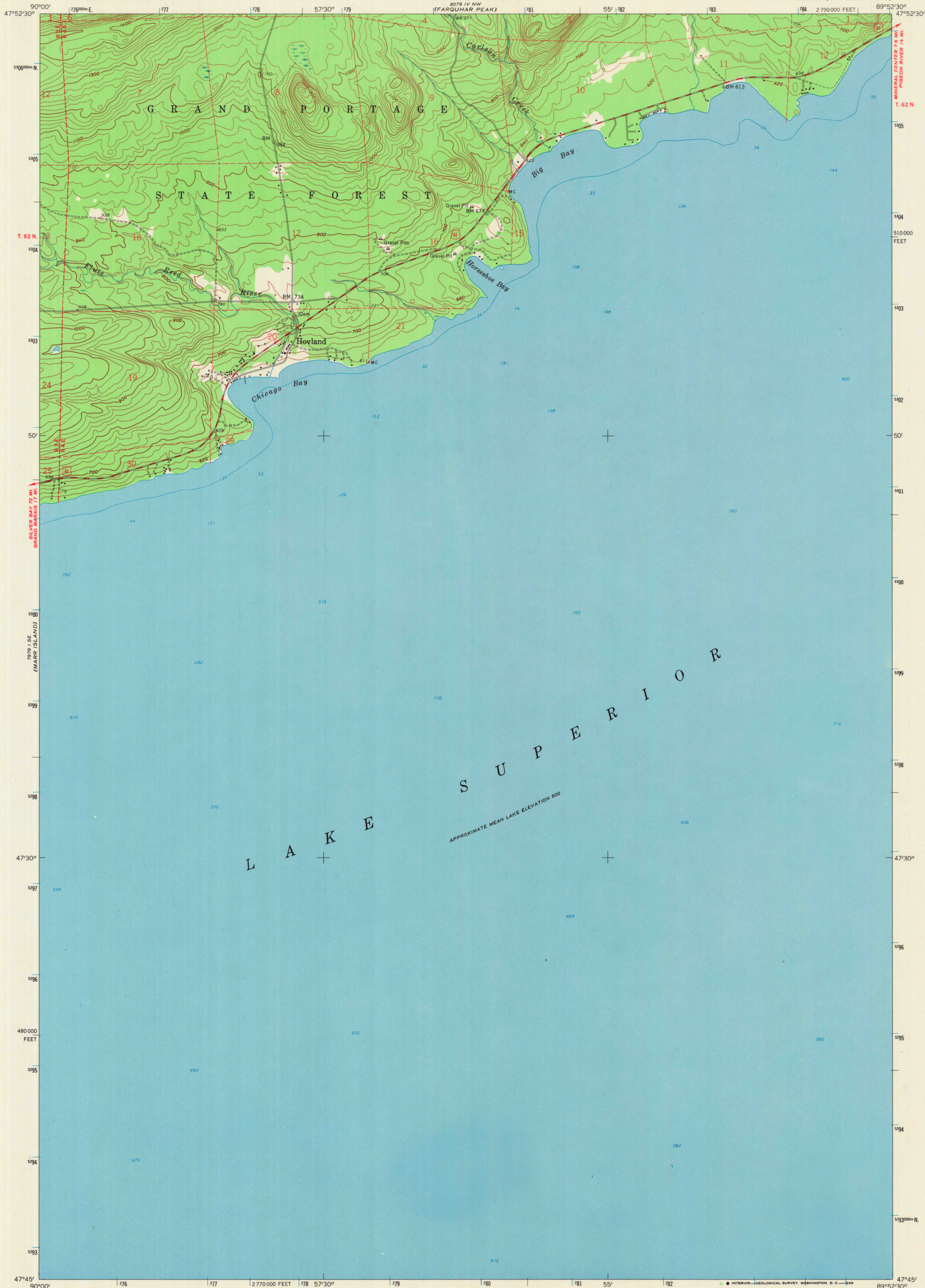
(100' LAKE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

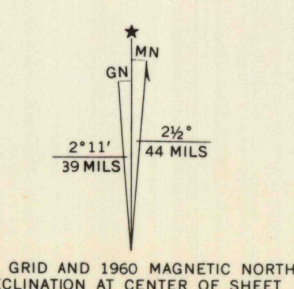
STATE OF MINNESOTA
IRON RANGE RESOURCES AND REHABILITATION COMMISSION
A. M. DEYOANNES, COMMISSIONER

HOVLAND QUADRANGLE
MINNESOTA-COOK CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

8079 IV NE
(MINERAL CENTER)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1957. Field check 1960
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
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
0 5 10 15 20 25 30 35 40 45 50 METERS
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS LOW WATER 601.6 FEET



ROAD CLASSIFICATION
Medium-duty ——— Light-duty ———
Unimproved dirt ———
U.S. Route

HOVLAND, MINN.
N 4745-W 8952.5/7.5
1960
AMS 8079 IV SW-SERIES V872

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

3705
JAN 8 1963

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST