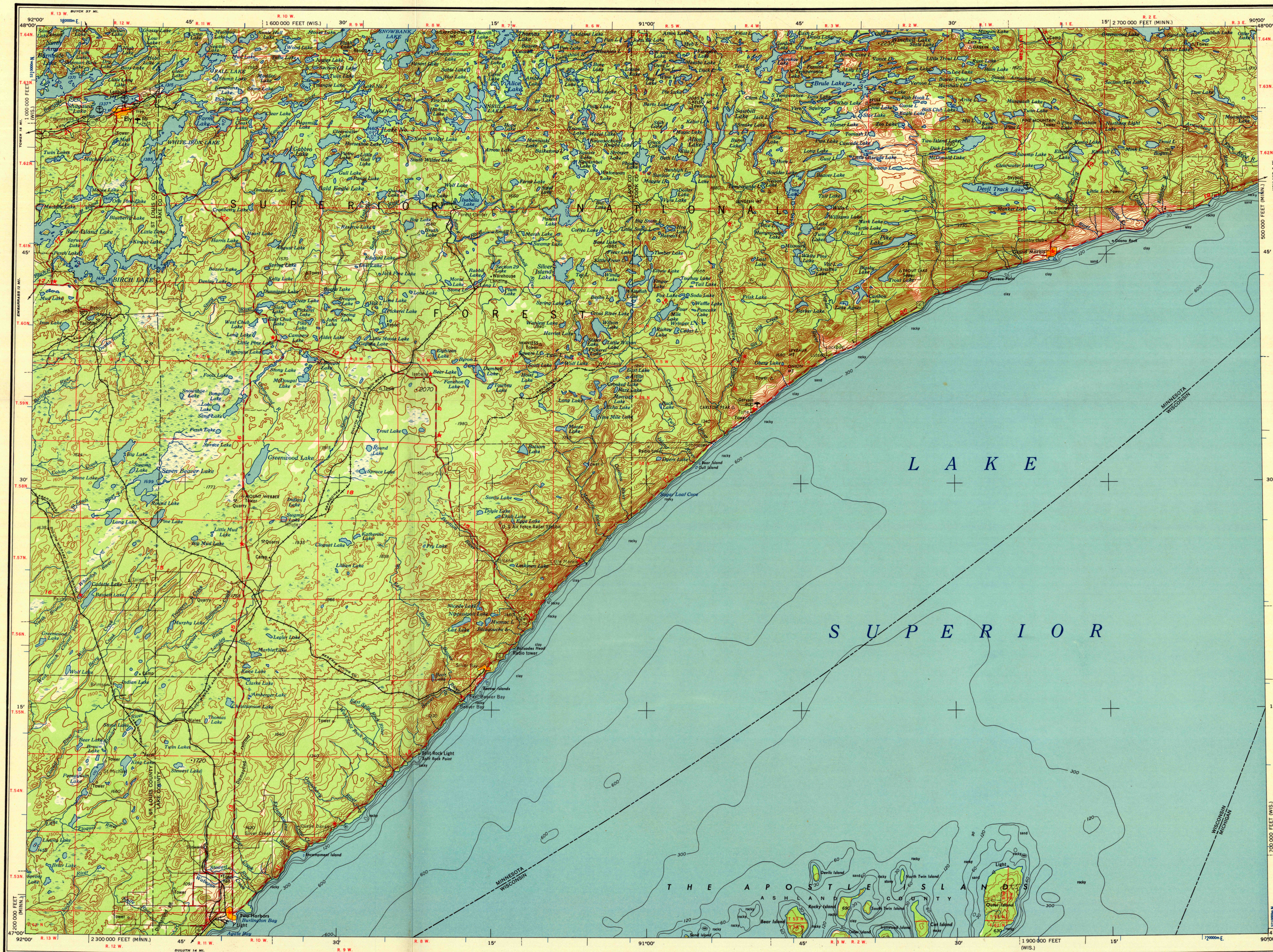




Prepared by the Army Map Service (ASCE), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1955 by photogrammetric methods from: Minnesota Quadrangles, 1:24,000, USGS, 1951-1953; U. S. Lake Survey Charts 95, 96, 97, 1955. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, USFS, and USC&GS. Photography field annotated 1954.

100,000-foot grid based on Minnesota coordinate system, north zone and Wisconsin coordinate system, north zone

10,000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

LEGEND

ROAD DATA 1954
Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

RAILROADS

Single track Double or Multiple
Standard gauge
Narrow gauge
Interurban
State
County
Park or reservation
Horizontal control point
Spot elevation in feet

BOUNDARIES

County
State
National

LANDMARKS

Landplane airport
Landing area
Seaplane airport
Seaplane anchorage
Park or reservation
Horizontal control point
Spot elevation in feet

SYMBOLS

Hard surface, heavy duty
More than two lanes wide
Two lanes wide; Federal route marker
Hard surface, medium duty
More than two lanes wide
Two lanes wide; State route marker
Improved light duty
Unimproved dirt
Trail

Other Symbols

Landmarks: School; Church; Other
Depth curve in feet
Limit of danger; Reef
Rocks: Awash; Sunken
Shoreline flat
Intermittent or dry stream
Marsh or swamp

CONTOUR INTERVAL 50 FEET

TRANSVERSE MERCATOR PROJECTION

1955 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 3°45' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 1°45' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°05' WESTERLY.

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

LOCATION DIAGRAM FOR NL 15-3

60° 30' 00" N
45° 00' 00" W
30° 00' 00" W
15° 00' 00" W
0° 00' 00" W
15° 00' 00" E
30° 00' 00" E
45° 00' 00" E
60° 00' 00" E

100° 00' 00" W
90° 00' 00" W
80° 00' 00" W
70° 00' 00" W
60° 00' 00" W
50° 00' 00" W
40° 00' 00" W
30° 00' 00" W
20° 00' 00" W
10° 00' 00" W
0° 00' 00" W
10° 00' 00" E
20° 00' 00" E
30° 00' 00" E
40° 00' 00" E
50° 00' 00" E
60° 00' 00" E
70° 00' 00" E
80° 00' 00" E
90° 00' 00" E
100° 00' 00" E

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RELIABILITY DIAGRAM

Photography

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

U.S.G.S. FILE COPY

TOPOGRAPHIC DIVISION

TWO HARBORS, MINN; WIS; MICH