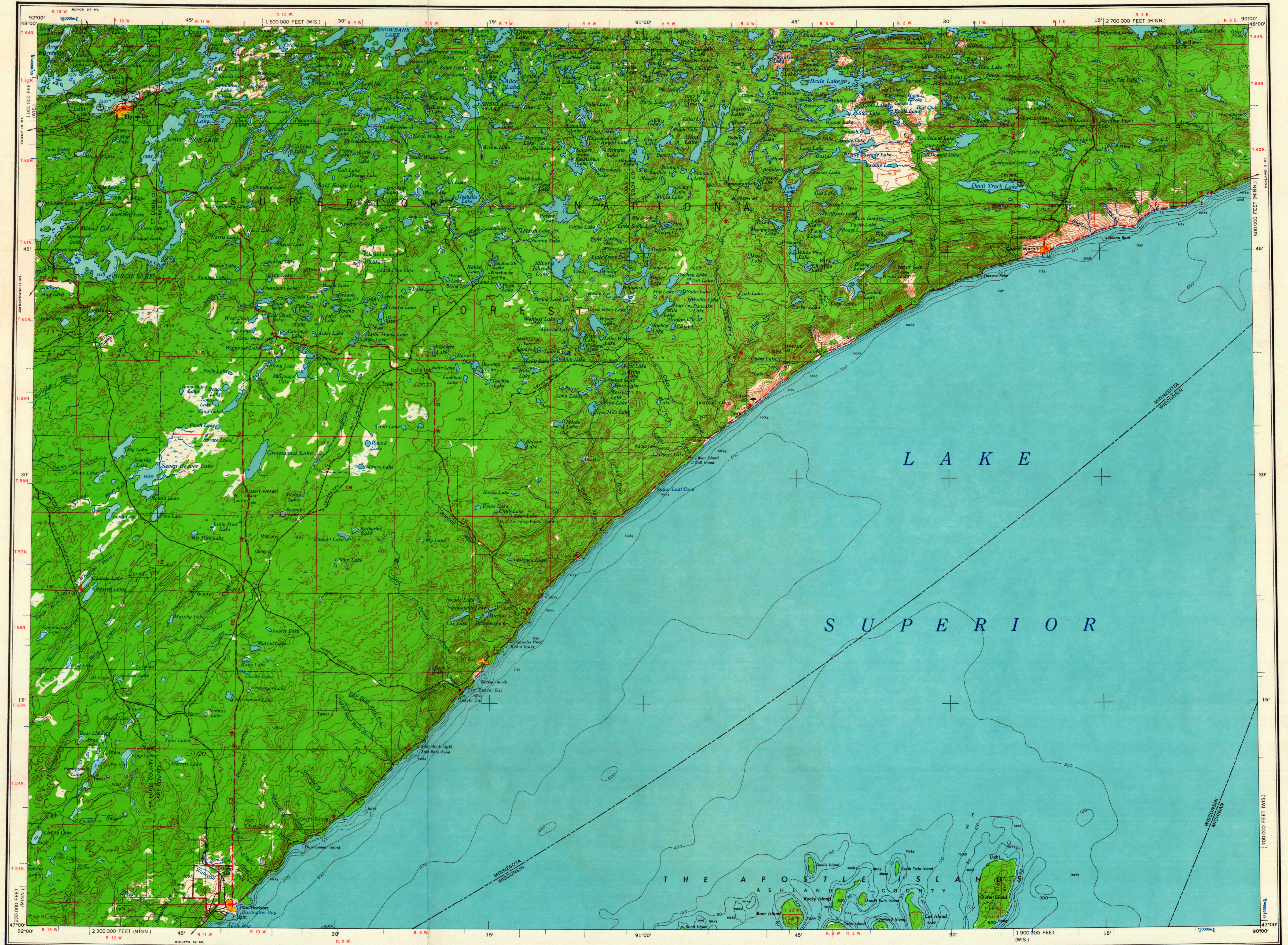




Prepared by the Army Map Service (ASCGE), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1955 by photogrammetric methods and from Minnesota Quadrangles, 1:24,000, USGS, 1951-1953; U. S. Lake Survey Charts 55, 56, 57, 1955. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, USFS, and USCGS. Photography field annotated 1954.

100,000-foot grids 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

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 track
Standard gauge
Narrow gauge

BOUNDARIES

International
State
County
Park or reservation
Horizontal control point
Spot elevation in feet

LANDPLANE AIRPORT

Landing area
Seaplane airport
Seaplane anchorage
Power line
Woods-brushwood

LANDMARKS

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

ROAD DATA 1954

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

LOS ANGELES OMAHA GASTON Laramie

CONTOUR INTERVAL 50 FEET

TRANSVERSE MERCATOR PROJECTION

Scale 1:250,000

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

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.

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 2, COLORADO OR WASHINGTON 25, D. C.

LOCATION DIAGRAM FOR NL 15-3

60° 50' 40' 30' 20' 10' 0' 10' 20' 30' 40' 50' 60'

15° 10' 20' 30' 40' 50' 60'

UNITED STATES

MINNESOTA WISCONSIN MICHIGAN

RELIABILITY DIAGRAM

Good Photography

A. Large scale topographic map, photogrammetric, 1951-53.
B. Large scale topographic map, controlled ground survey, 1953.
C. Medium scale hydrographic chart, 1955.
D. Stereocompiled from 1953 aerial photography.
E. Planimetry revised from 1953 aerial photography.

USGS Historical File Topographic Division

SECTIONIZED TOWNSHIP

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

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

TWO HARBORS, MINN;WIS;MICH

USGS
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TOPOGRAPHIC DIVISION

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MAR 26 1964