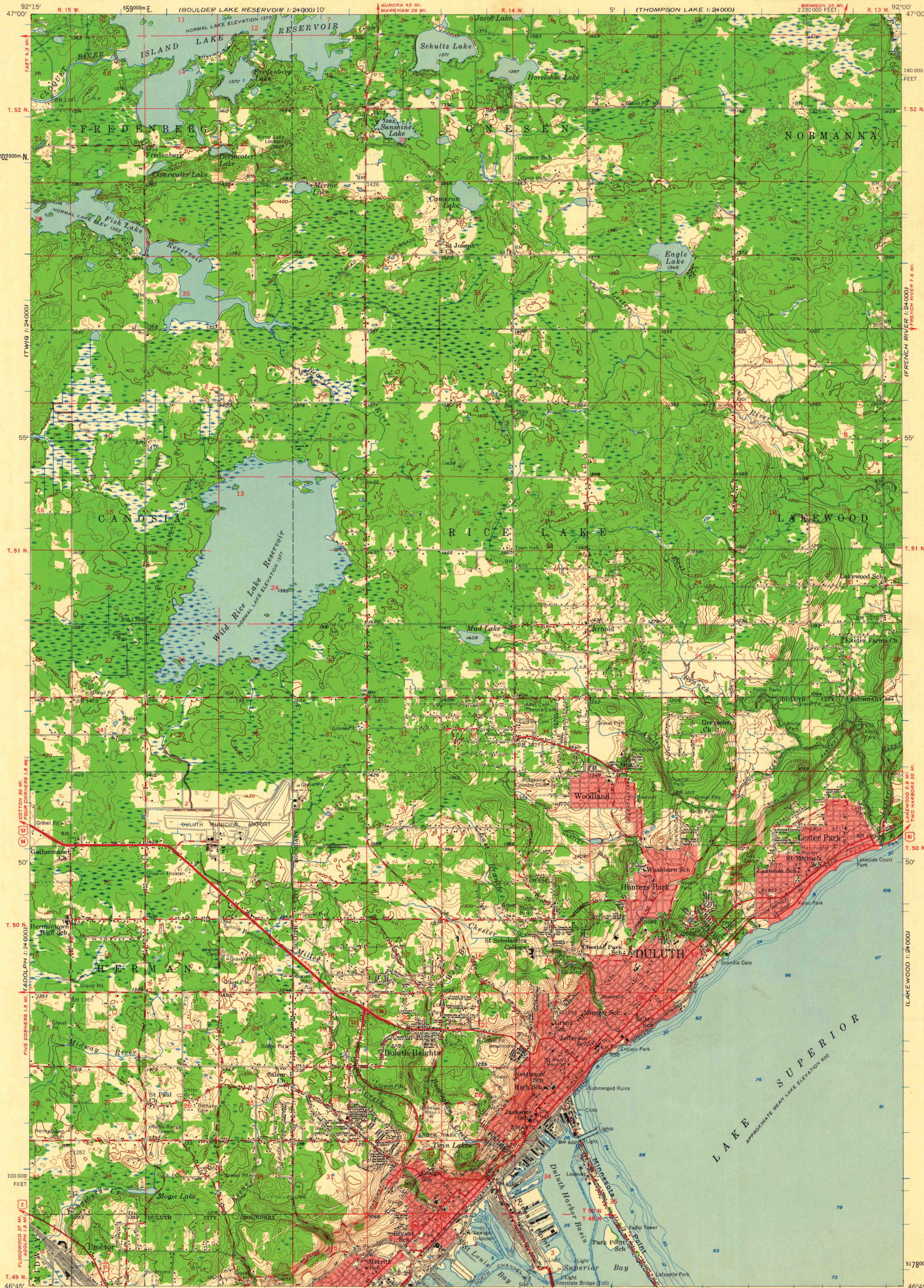
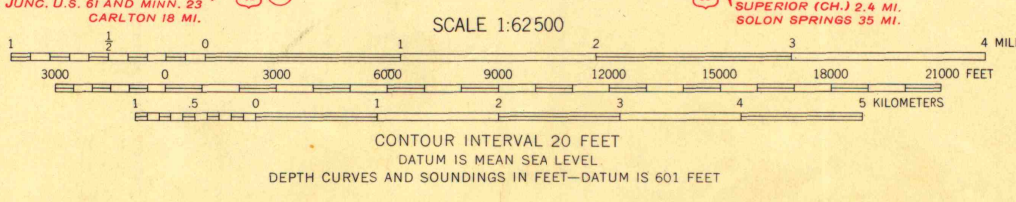


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DULUTH QUADRANGLE
MINNESOTA - ST. LOUIS CO.
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and U. S. Lake Survey
Compiled in 1958 from 1:24 000-scale maps of Arnold, Fredenberg,
Duluth Heights, and Duluth 7.5 minute quadrangles, surveyed 1953
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1952
Hydrography from U. S. Lake Survey charts 96 (1955)
and 966 (1952)
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
Red tint indicates areas in which only landmark buildings are shown



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



This area also covered by 1:24 000-scale maps of
Arnold, Fredenberg, Duluth Heights, and Duluth
7.5-minute quadrangles, surveyed 1953
DULUTH, MINN.
N 4645 - W 9200/15
1953

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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