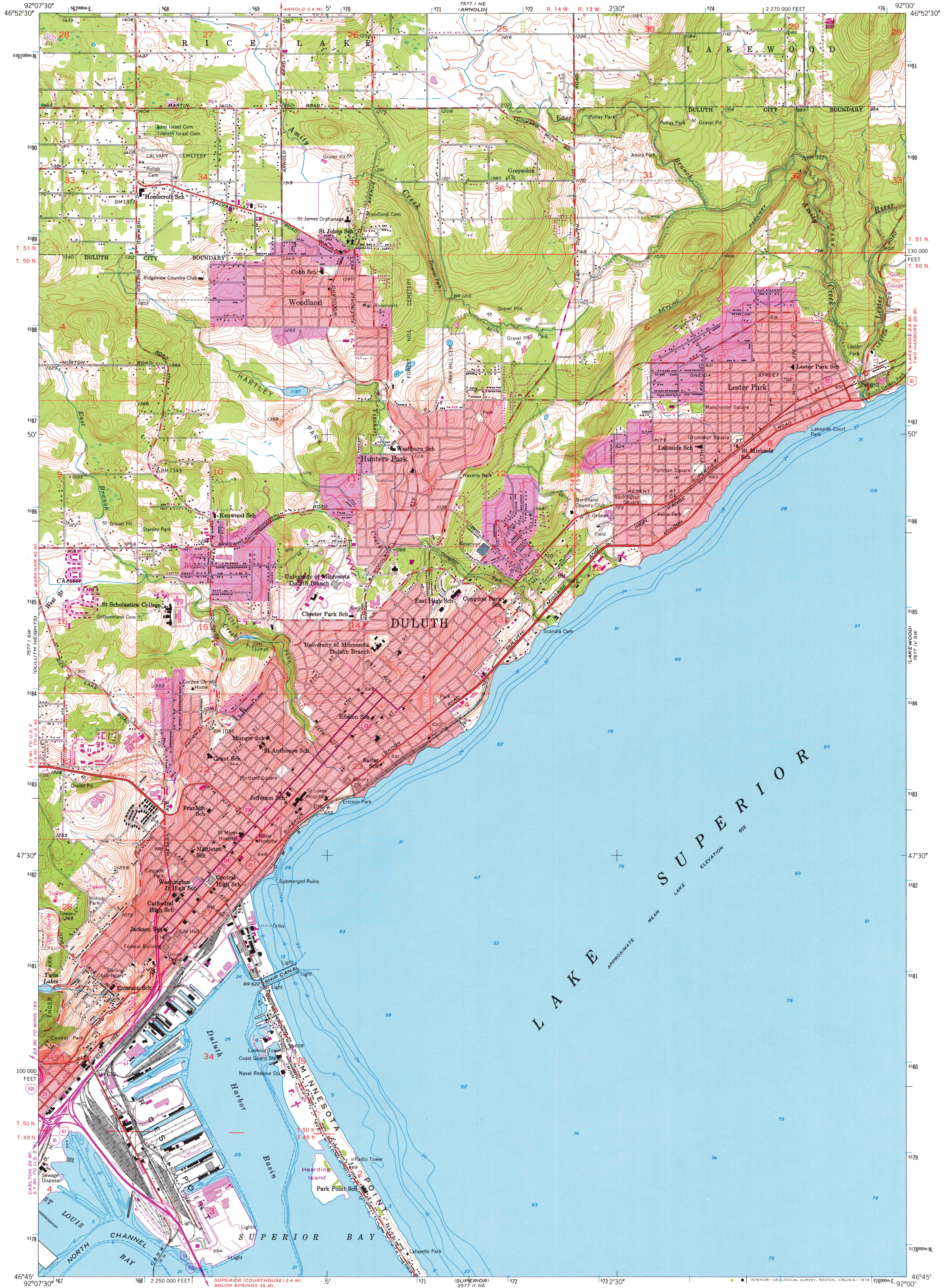


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DULUTH QUADRANGLE
MINNESOTA-ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 DULUTH 15' QUADRANGLE



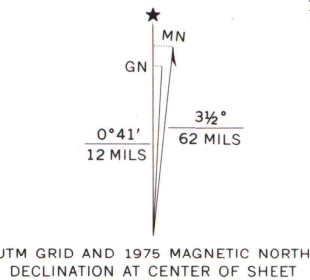
Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and U. S. Lake Survey
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1952. Field check 1953
Hydrography from U. S. Lake Survey Charts 96 (1:120 000)
and 966 (1:15 000)

Polyconic projection. 1927 North American datum
10,000-foot grid based on Minnesota coordinate system, north zone
1000-metre Universal Transverse Mercator grid ticks
zone 15, shown in blue

Red tint indicates areas in which only landmark buildings are shown

Revisions shown in purple compiled in cooperation
with the State of Minnesota from aerial photographs
taken 1969 and 1975. This information not field checked



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS 601 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Heavy-duty 4 LANE 6 LANE Light-duty
Medium-duty 4 LANE 6 LANE Unimproved dirt
U. S. Route State Route
Interstate Route

DULUTH, MINN.
SE/4 DULUTH 15' QUADRANGLE
N4645-W9200/7.5

1953

PHOTOREVISED 1969 AND 1975

MAP AND AIR PHOTO
LIBRARY

JUN 3 1977

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