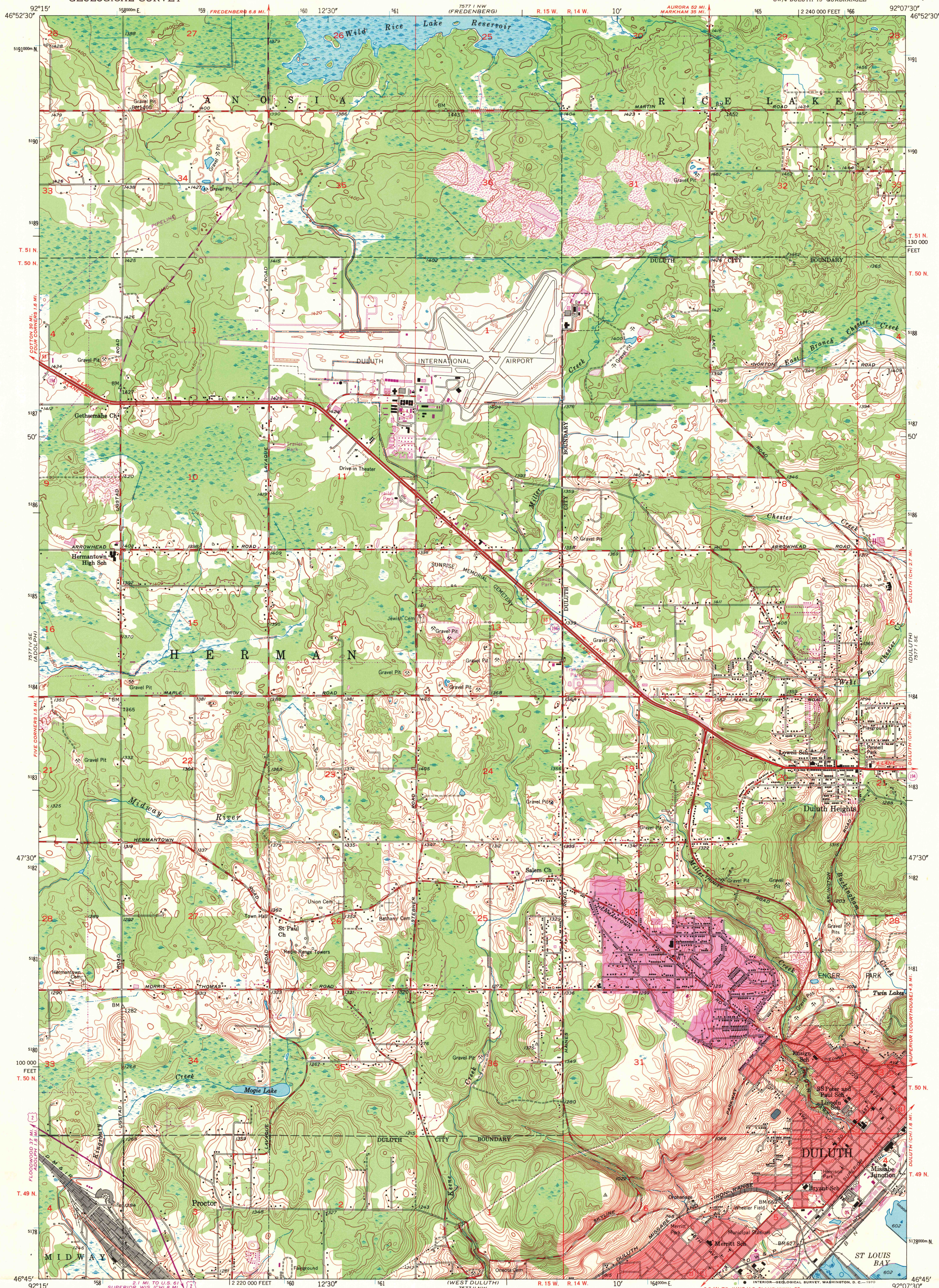


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DULUTH HEIGHTS QUADRANGLE
MINNESOTA—ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 DULUTH 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods

Aerial photographs taken 1952. Field check 1953

Hydrography from U. S. Lake Survey Chart 966 (1:15,000)

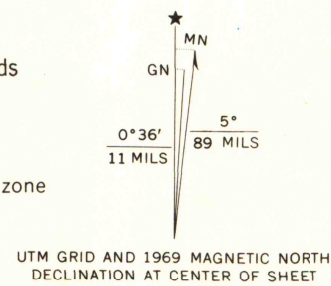
Polyconic projection. 1927 North American datum
10,000-foot grid based on Minnesota coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15; shown in blue

Red tint indicates areas in which only
landmark buildings are shown

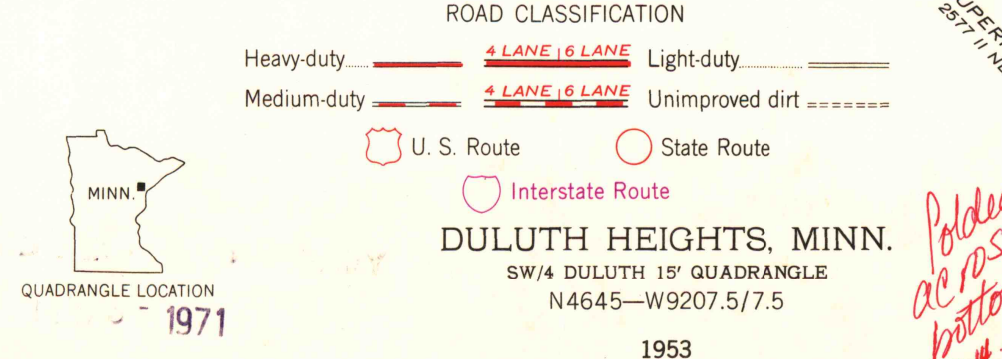
Revisions shown in purple compiled in cooperation with the
State of Minnesota from aerial photographs taken 1969

This information not field checked

Purple tint indicates extension of urban areas



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



DULUTH HEIGHTS, MINN.
SW/4 DULUTH 15' QUADRANGLE
N4645-W9207.5/7.5

1953

PHOTOREVISED 1969

*Added
to cross
bottom
4-14-00
AH*