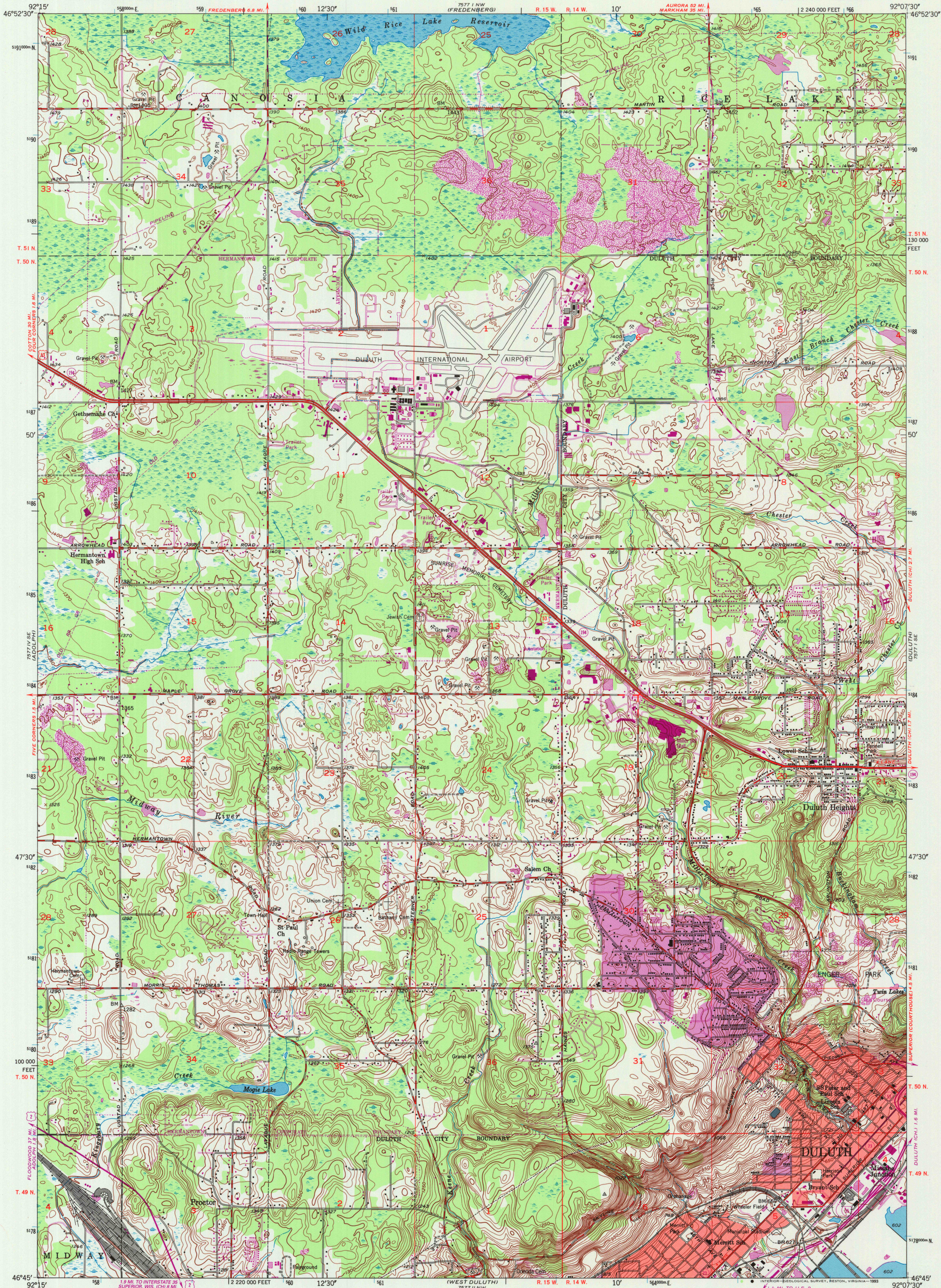


7577 NE
7577 NEUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYDULUTH HEIGHTS QUADRANGLE
MINNESOTA—ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 DULUTH 15' QUADRANGLE

Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs
taken 1952. Field checked 1953Projection and 10,000-foot grid ticks: Minnesota coordinate
system, north zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue
1927 North American Datum (NAD 27)North American Datum of 1983 (NAD 83) is shown by dashed corner ticks
The values of the shift between NAD 27 and NAD 83 for 7.5-minute
intersections are given in USGS Bulletin 1875

Red tint indicates areas in which only landmark buildings are shown

UTM GRID AND 1983 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEETSCALE 1:24 000
1 000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929COMPLIES WITH U.S. GEOLOGICAL SURVEY STANDARDS FOR SPATIAL ACCURACY—CLASS 2
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUESTRevisions shown in purple compiled in cooperation
with State of Minnesota agencies from aerial
photographs taken 1991 and other sources
This information not field checked. Map edited 1993
Information shown in purple may not meet USGS content
standards and may conflict with previously mapped contours
Purple tint indicates extension of urban areas

ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

DULUTH HEIGHTS, MINN.

SW/4 DULUTH 15' QUADRANGLE
46092-62-TF-024

1953

REVISED 1993

DMA 7577 1 SW - SERIES V872

USGS AND HISTORICAL
MAP ARCHIVES
JAN 04 1994
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