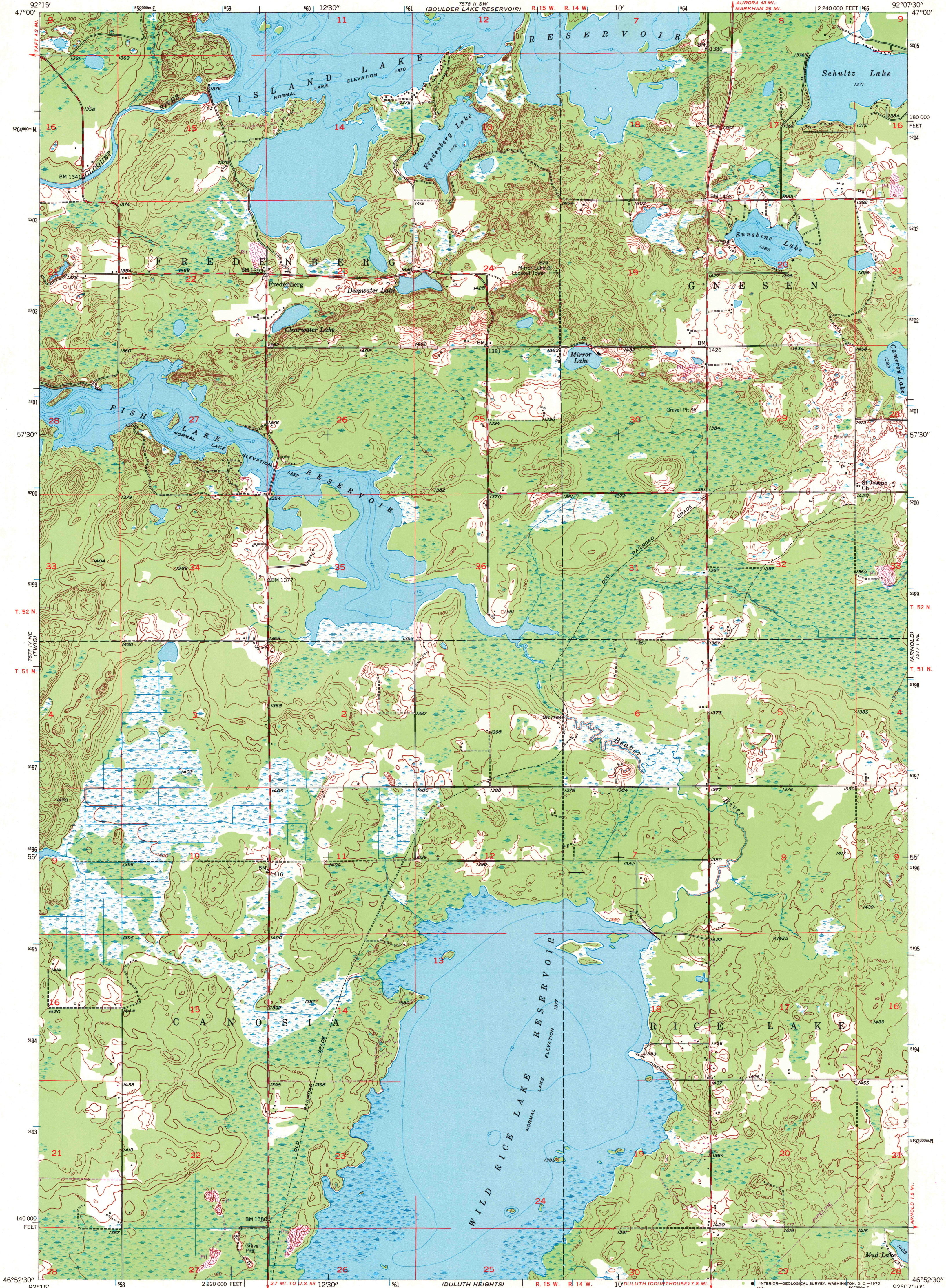


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by Kelsh plotter

Aerial photographs taken 1952. Field check 1953

Depth curves compiled from charts furnished by Minnesota Department of Conservation

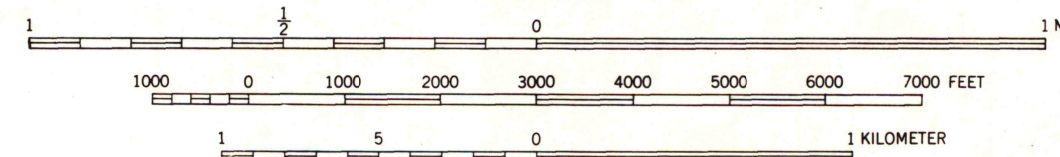
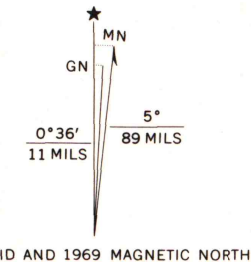
Polyconic projection. 1927 North American datum

10,000-foot grid based on Minnesota coordinate system, north zone

1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

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

This information not field checked



CONTOUR INTERVAL 10 FEET

DATUM IS MEAN SEA LEVEL

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



ROAD CLASSIFICATION
Medium-duty ——— Light-duty ———
Unimproved dirt ———

FREDENBERG, MINN.
NW/4 DULUTH 15' QUADRANGLE
N4652.5-W9207.5/7.5

1953

PHOTOREVISED 1969