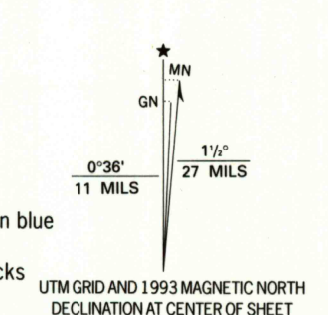




Produced by the United States Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1952. Field checked 1953
Depth curves compiled from charts furnished by Minnesota Department of Conservation
Projection and 10,000-foot grid ticks: Minnesota coordinate system, north zone (Lambert conformal cone)
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
There may be private inholdings within the boundaries of the National or State reservations shown on this map



SCALE 1:24000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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

QUADRANGLE LOCATION
Revisions 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

FREDENBERG, MINN.
NW/4 DULUTH 15' QUADRANGLE
46092-H2-TF-024
1953
REVISED 1993

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Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours DMA 7577 1 NW - SERIES V872

