



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 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
There may be private inholdings within the boundaries of
the National or State reservations shown on this map

SCALE 1:24000
1 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 5 10 KILOMETER
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

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

COMPLIES WITH U.S. GEOLOGICAL SURVEY STANDARDS FOR SPATIAL ACCURACY - CLASS 2
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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
Information shown in purple may not meet USGS content
standards and may conflict with previously mapped contours DMA 7577 1 NW - SERIES V872

USGS HISTORICAL
MAP ARCHIVES
FEB 07 1994
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