



Mapped, edited, and published by the Geological Survey in cooperation with the State of Minnesota Department of Conservation and the Iron Range Resources and Rehabilitation Commission.

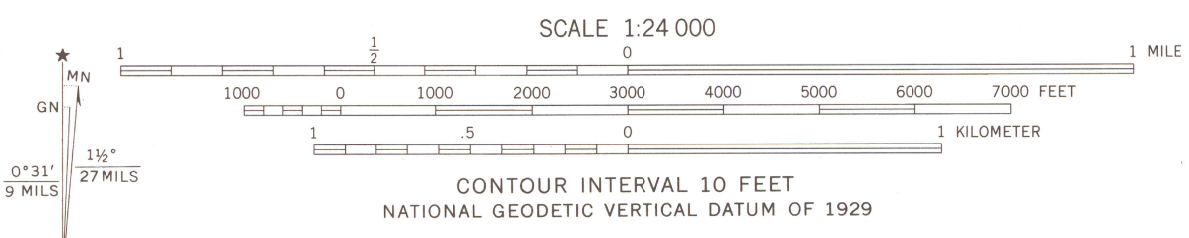
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1959. Field checked 1963.

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.

To place on the predicted North American Datum 1983 move the projection lines 5 meters north and 13 meters east as shown by dashed corner ticks.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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

Revisions shown in purple and woodland compiled from aerial photographs taken 1981 and other source data. Partial field check by U. S. Forest Service. Map edited 1986.

ASTRID LAKE, MINN. 48092-A3-TF-024

1963

PHOTOREVISED 1986

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