



Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS
 Topography from aerial photographs by Kelsh plotters
 Aerial photographs taken 1950. Field check 1951
 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
 Depth curves compiled from charts furnished by
 Minnesota Department of Conservation

UTM GRID AND 1951 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24,000
 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 METERS
 1 KILOMETER

CONTOUR INTERVAL 10 FEET
 DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
 Heavy-duty 4 LANE 16 LANE Light-duty
 Medium-duty 4 LANE 16 LANE Unimproved dirt

U.S. Route State Route

USGS Historical File Topographic Division

QUADRANGLE LOCATION

ZIM, MINN.
 N4715-W9230/7.5
 1951
 AMS 7478 I SE-SERIES V872

JUN 28 1965
 1715
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