

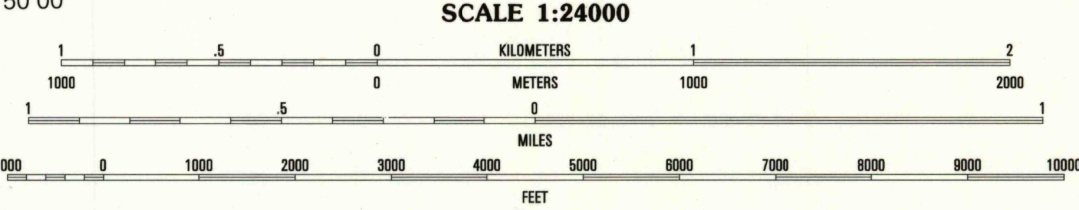
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

KNIFE RIVER QUADRANGLE
MINNESOTA
7.5 MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey
Compiled by photogrammetric methods from imagery dated 1952
Field checked 1953. Revised in cooperation with State of
Minnesota agencies from imagery dated 1991-92. PLSS and survey
control current as of 1993. Map edited 1995
Contours not revised. Contours that conflict with revised
planimetry are dashed.
Hydrography from U. S. Lake Survey Chart 96
North American Datum of 1983 (NAD 83). Projection and
blue 1000-meter ticks: Universal Transverse Mercator, zone 15
10 000-foot ticks: Minnesota Coordinate System of 1983 (north zone)
North American Datum of 1927 (NAD 27) is shown by dashed
corner ticks. The values of the shift between NAD 83 and NAD 27
for 7.5-minute intersections are obtainable from National Geodetic
Survey NADCON software

UTM GRID AND 1995 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET
REFERENCE LEVEL 600.0 FEET: INTERNATIONAL GREAT LAKES DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
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



ROAD CLASSIFICATION
Primary highway
hard surface Improved surface
Secondary highway
hard surface Unimproved road
Interstate Route U.S. Route State Route

1	2	3
4	5	6
7	8	9

1 Barrs Lake
2 McCarthy Creek
3 Two Harbors
4 French River
5 Two Harbors OE S
6 Lakewood
7
8

KNIFE RIVER, MN
46091-H7-TF-024
1992

DMA 7677 IV NE - SERIES V872

USGS NHD HISTORICAL
MAP ARCHIVES
JUL 14 1995
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