



Produced by the United States Geological Survey  
Compiled by photogrammetric methods from imagery dated 1952  
Field checked 1957. Revised in cooperation with State of  
Minnesota agencies from imagery dated 1991-92. PLSS and survey  
control current as of 1997. Map edited 1998.  
Contours not revised. Contours that conflict with revised  
planimetry are dashed.  
Hydrography compiled 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

SCALE 1:24000  
KILOMETERS  
MILES  
FEET  
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 .....  
Secondary highway  
hard surface .....  
Light-duty road, hard or  
improved surface .....  
Unimproved road .....  
Interstate Route U.S. Route State Route

QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	9

ADJOINING 7.5' QUADRANGLE NAMES

TWO HARBORS, MN  
47091-A6-TF-024  
1992  
DMA 7678 II SW - SERIES V872



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