

Compiled from USGS 1:24 000-scale topographic maps dated 1961-1981. Planimetry revised from aerial photographs taken 1987 and other source data. Revised information not field checked. Map edited 1991.

Projection and 10 000-meter grid, zone 15
Universal Transverse Mercator

25 000-foot grid ticks based on Minnesota coordinate system, south and central zones
1927 North American Datum

To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 18 meters east

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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARD

Meters	Feet
1	3.2808
6	19.6850
3	9.8425
13	42.6509
18	59.0551
22	72.3442
27	88.7454
32	104.987
37	121.228
42	137.469
47	153.710
52	169.951
57	186.192
62	202.433
67	218.674
72	234.915
77	251.156
82	267.397
87	283.638
92	299.879
97	316.120
102	332.361

To convert meters to feet
 multiply by 3.2808

 To convert feet to meters
 multiply by 0.3048

UTM grid convergence
 (GN) and 1983 magnetic
 declination (MN)
 at center of map
 Diagram is approximate

1	2	3
1	2	3
4	5	6
7	8	9

1st. St. Cloud
 2 Mora
 3 Grantsburg
 4 Richland
 5 Stillwater
 6 Glencoe
 7 Saint Paul
 8 Hastings

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Primary highway, hard surface
Secondary highway, hard surface
Light duty road, principal street, hard or improved surface
Other road or street
Rural market; Interstate, U.S. State
RAIroad: standard gage, narrow gage
Bridge; overpass; overpass
Tunnel: road, railway
Built up area, locality; elevation
Airport, landing field; landing strip
National boundary
State boundary
County boundary
National or State reservation boundary
Land grant boundary
U.S. public lands survey: range, township; section
Range, township; section line: protected
Power transmission line; pipeline
Dam; dam with lock
Cemetery; building
Windmill; water well; spring
Mine shaft; edit or cave; mine; quarry; gravel pit
Campground; picnic area; U.S. location monument
Ruins; cliff dwelling
Dissected surface: strip mine, lava sand
Bathymetric contours; index; intermediate
Stream, lake; perennial; intermittent
Rapid, large and small; falls, large and small
Area to be submerged; marsh, swamp
Land subject to controlled inundation; woodland
Rocky; margins
Channel; viewshed

A pamphlet describing topographic maps is available on request

U.S. Regional
Depository Copy
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SET

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