

FOSSTON, MINNESOTA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

Fosston MINNESOTA

1:100 000-scale metric topographic map



30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1969-1982. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985.

Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator  
25 000-foot grid ticks based on Minnesota coordinate system, north zone  
1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 6 meters north and 21 meters east  
There may be private inholdings within the boundaries of the National or State Reservations shown on this map

CONTOUR INTERVAL 5 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	MAGNETIC		1	2	3
1	3.2808	33° 33' N		4	5	
2	6.5617	33° 33' N		6	7	8
3	9.8425	33° 33' N		1 Thief River Falls		
4	13.1234	33° 33' N		2 Grygle		
5	16.4042	33° 33' N		3 Upper Red Lake		
6	19.6850	33° 33' N		4 Crookston		
7	22.9658	33° 33' N		5 Blackduck		
8	26.2467	33° 33' N		6 Ada		
9	29.5275	33° 33' N		7 Lake Itasca		
10	32.8084	33° 33' N		8 Cass Lake		

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

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Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street; trail	
Route marker: Interstate, U.S. State	
Railroad: standard gage, narrow gage	
Bridge: overpass, underpass	
Tunnel: road, railroad	
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	
Power transmission line; pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; adit or cave; mine, quarry; gravel pit	
Campground; picnic area; U.S. location monument	
Ruin; cliff dwelling	
Distorted surface: strip mine, lava, sand	
Contours: index, intermediate, supplementary	
Bathymetric contours: index, intermediate	
Stream, lake: perennial, intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Sarab; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request



SCALE 1:100 000  
CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND  
CONTOUR INTERVAL 5 METERS

FOSSTON, MINNESOTA  
47095-E1-TM-100

1985

BC06-98.02  
SET