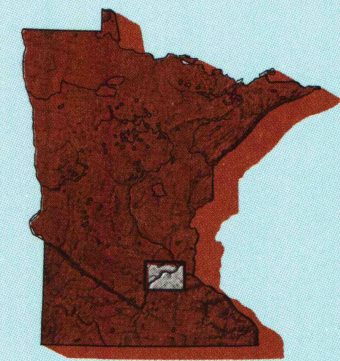
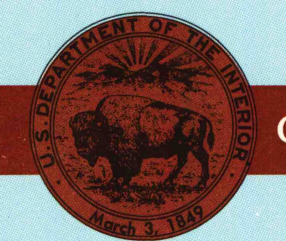


**1:100 000-scale *metric*
topographic map**



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 1958-1981. Planimetry revised from aerial photographs
taken 1984 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, south zone
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

CONTOUR INTERVAL 10 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			1	2	3	4
1	3.2808	UTM grid convergence (1981 and 1985 magnetic declination (M)) at center of map Diagram is approximate					
2	6.5617						
3	9.8425						
4	13.1234						
5	16.4042						
6	19.6850						
7	22.9658						
8	26.2467						
9	29.5276						
10	32.8084						
To convert meters to feet multiply by 3.2808							
To convert feet to meters multiply by 0.3048							
				1	2	3	4
				5	6	7	8
				1 Litchfield 2 Anoka 3 Stillwater 4 Glencoe 5 Hastings 6 New Ulm 7 Faribault 8 Rochester			

FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

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	
Nation or State reservation boundary	
Land grant boundary	
U.S. public lands survey: range, township; section	
Range, township; section line: protracted	
Power transmission line; pipeline	
Dam; dam with lock	
Waterway: building	
Cemetery; water wall; spring	
Mine shaft; old or mine; mine, quarry; gravel pit	
Campground; picnic area; U.S. location monument	
Run; cliff dwelling	
Distorted contour: strip mine, levee, and	
Contours: index; intermediate; supplementary	
Bathymetric contour: 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	
Sorb; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

B006-9/8.02

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