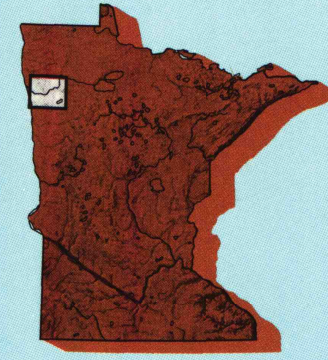


Crookston

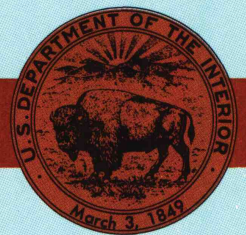
MINN.-N. DAK.

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

1984

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1963-1982. Planimetry revised from aerial photographs taken 1982-83 and other source data. Revised information not field checked. Map edited 1984.
Projection and 10 000-meter grid, zone 14, Universal Transverse Mercator
25 000-foot grid ticks based on Minnesota coordinate system, north zone and North Dakota, north zone 1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 5 meters north and 24 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		1	2	3
1	3.2808		1	2	3
2	6.5617		4	5	
3	9.8425				
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9659				
8	26.2467				
9	29.5276				
10	32.8084				
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1984 magnetic declination (MN) at center of map. Diagram is approximate.			
To convert feet to meters multiply by 0.3048					

1 Crookston
2 Thief River Falls
3 Crookston
4 Grand Forks
5 Foston
6 Hillsboro
7 Ada
8 Lake Itasca

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

ARTHUR H. ROBINSON MAP LIBRARY
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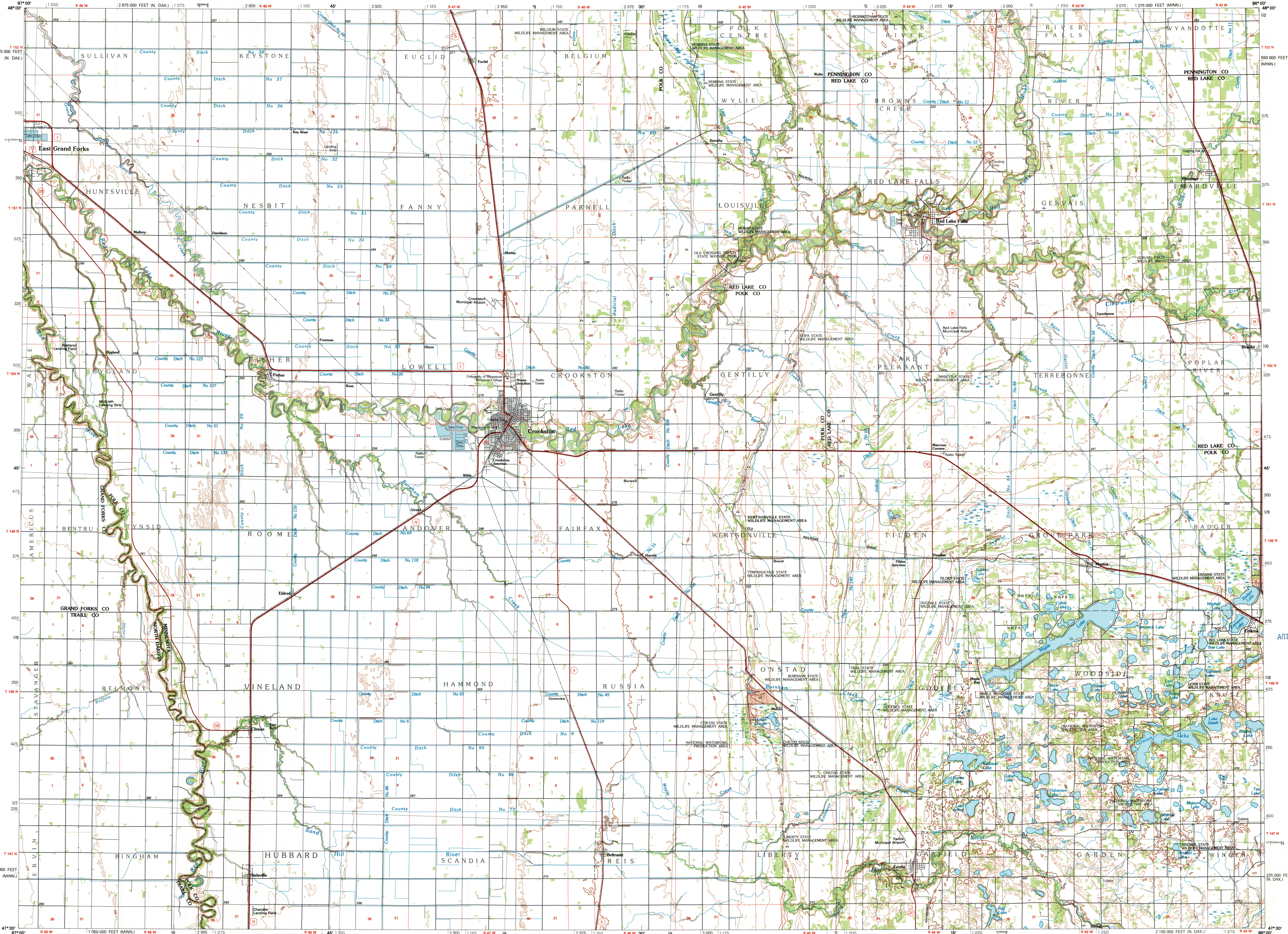
Topographic Map Symbols

- Primary highway, hard surface.....
- Secondary highway, hard surface.....
- Light duty road, principal street, hard or improved surface.....
- Other road or street, dirt.....
- 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.....
- Range, township, section line: protracted.....
- 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.....
- Ruins; cliff dwelling.....
- Distorted surface: strip mine, lava, sand.....
- 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.....
- Shrub; mangrove.....
- Orchard; vineyard.....

A pamphlet describing topographic maps is available on request

B006-9/08
SET

CROOKSTON, MINN.-N. DAK.



INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1981

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

0 1000 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000 55000 60000 65000 70000 FEET

CROOKSTON, MINN.-N. DAK.
47096-E1-TM-100

1984