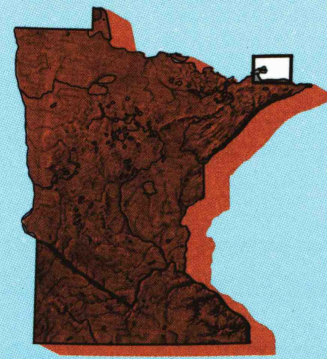


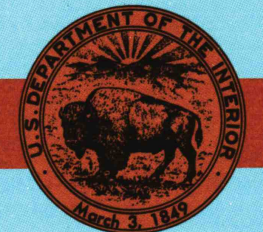
Saganaga Lake
MINNESOTA-ONTARIO

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



U. S. GEOLOGICAL SURVEY

1976
PHOTOINSPECTED 1991

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1959-76. Planimetry revised from aerial photographs taken 1973 and other source data. Revised information not field checked. Map edited 1976 Canadian portion copied from Department of Energy, Mines and Resources, 1:50,000-scale topographic maps dated 1979 Canadian portion of this map © by Her Majesty the Queen in Right of Canada, and may not be reproduced or redistributed without express consent of Energy, Mines and Resources Canada, 4th Floor, 615 Booth Street, Ottawa, Ontario, K1A 0E9

1927 North American Datum (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 15 25 000-foot ticks. Minnesota coordinate system, north zone The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875

There may be private inholdings within the boundaries of the National or State reservations shown on this map The U.S. portion of this map photocopied using 1991 photographs No major culture or drainage changes found

CONTOUR INTERVAL 10 METERS IN UNITED STATES CONTOUR INTERVAL 50 FEET IN CANADA NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER IN UNITED STATES ELEVATIONS SHOWN TO THE NEAREST FOOT IN CANADA

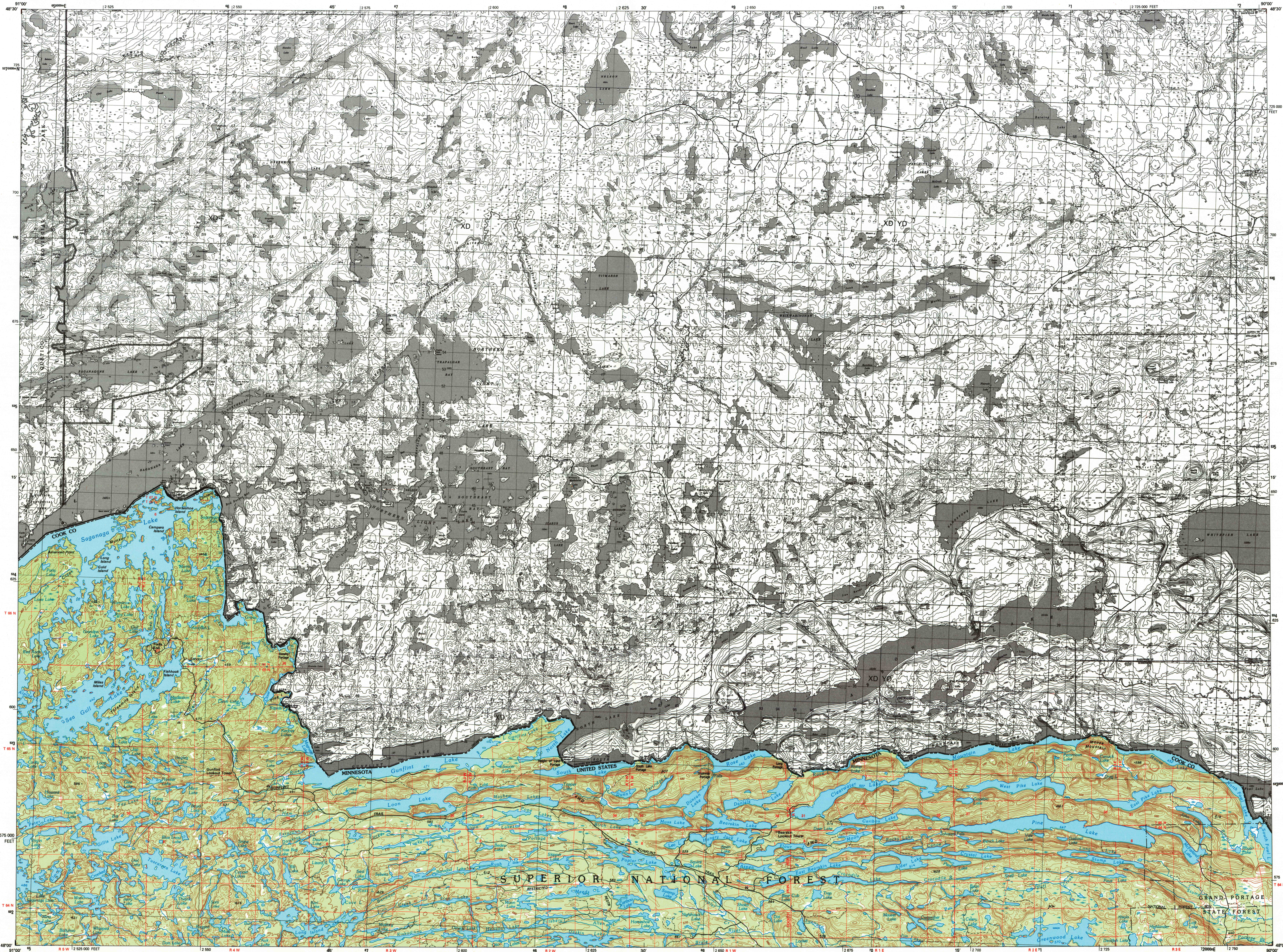
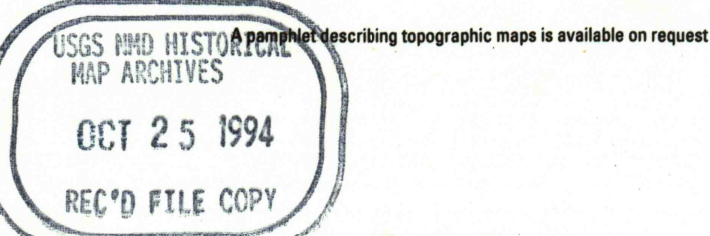
THE U.S. PORTION OF THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet	Magnetic Declination		1	2	3	
1	3.2808	11° 15' N		4	5	6	
2	6.5617	27 MILS		7	8	9	
3	9.8425	UTM grid convergence		1	2	3	
4	13.1234	(BM and 1978 magnetic		4	5	6	
5	16.4042	declination (MD)		7	8	9	
6	19.6850	at center of map		1	2	3	
7	22.9659	Diagram is approximate		4	5	6	
8	26.2467			7	8	9	
9	29.5275			1	2	3	
10	32.8084			4	5	6	
To convert meters to feet multiply by 3.2808				7	8	9	
To convert feet to meters multiply by 0.3048				1	2	3	

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: intermediate, U.S. State	Railroad: standard gauge; narrow gauge	Bridge: overpass; underpass	Tunnel: road; railroad	Built up area; locality; elevation	Airport: landing field; landing strip	National boundary	State boundary	County boundary	Civil township 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; adit or cave; mine, quarry; gravel pit	Campground; picnic area; U.S. location monument	Ruin; cliff dwelling	Distorted surface: strip mine, levee, 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	Scrub; mangrove	Orchard; vineyard
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SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 10 METERS IN UNITED STATES
CONTOUR INTERVAL 50 FEET IN CANADA

SAGANAGA LAKE, MINNESOTA-ONTARIO
48090-A1-TM-100
1976
PHOTOINSPECTED 1991