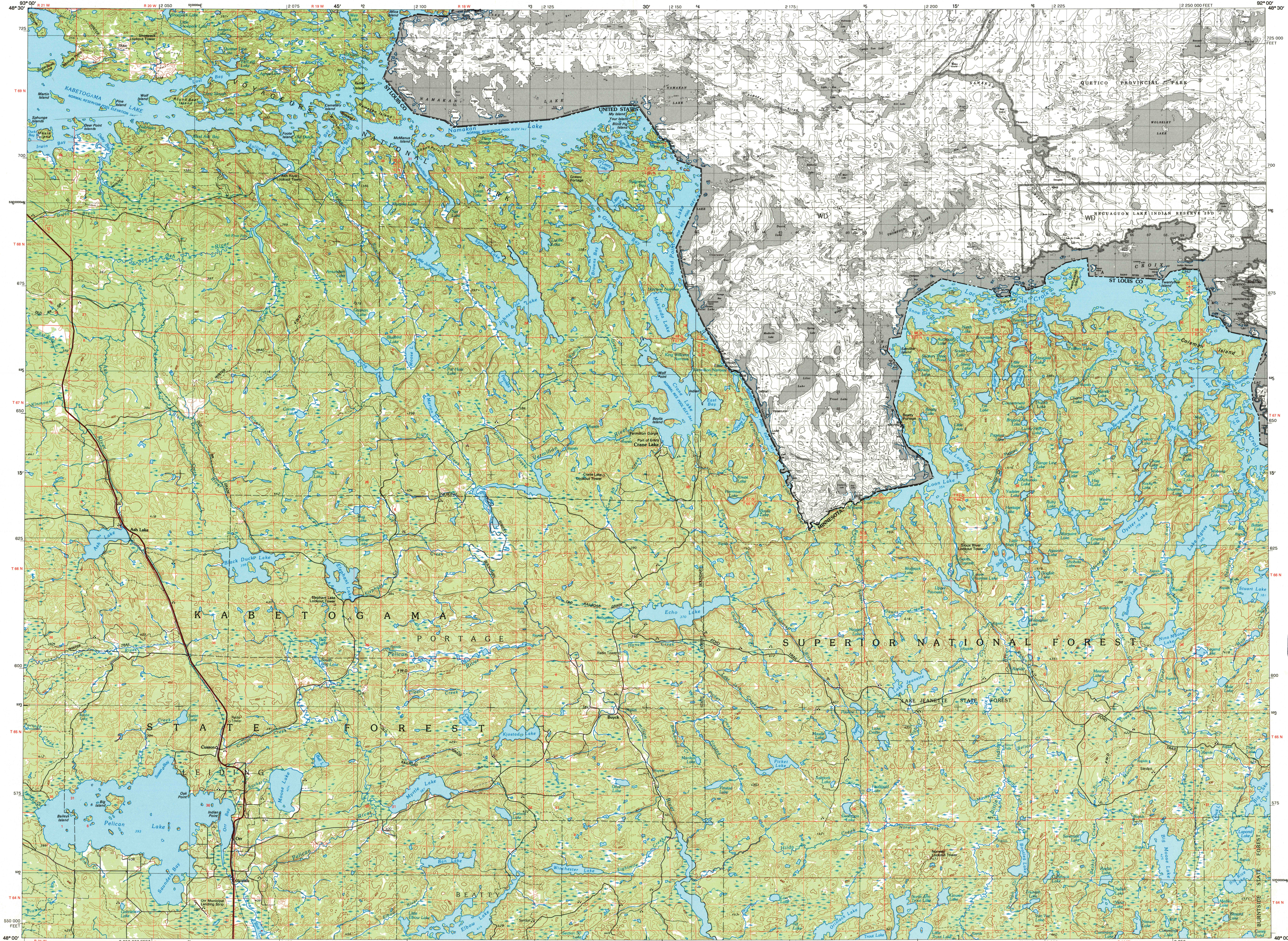


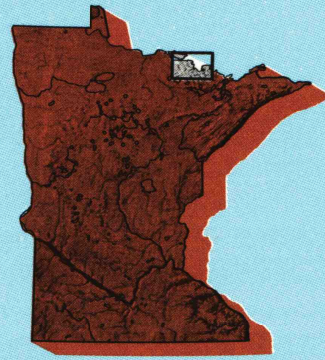
CRANE LAKE, MINNESOTA-ONTARIO

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



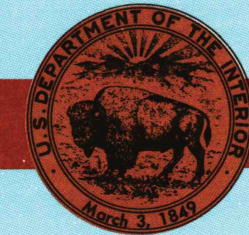
Crane Lake
MINNESOTA-ONTARIO

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



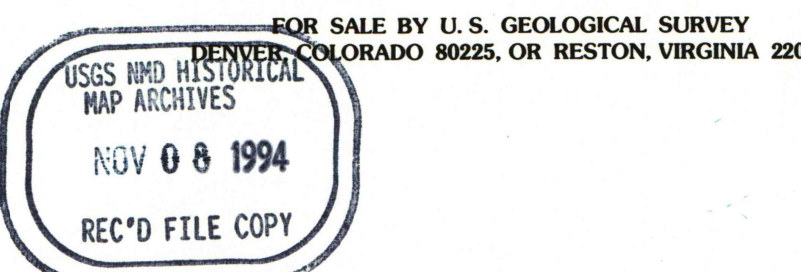
U. S. GEOLOGICAL SURVEY

1978
PHOTOINSPECTED 1987

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1963-1968. Map edited 1978
Canadian portion copied from Department of Energy, Mines and Resources. 1:50,000-scale topographic maps dated 1980
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 photoreproduced using 1987 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					
1	3.2808		UTM grid convergence (GN) and 15% magnetic declination (MD) at center of map Diagram is approximate	1	2	3
2	6.5617			4	5	6
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				1 International Falls 2 Brule Narrows 3 Littlefork 4 Littlefork 5 Basewood Lake 6 Bigfork 7 Vermilion Lake 8 Ely		
To convert feet to meters multiply by 0.3048						



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	Build-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: protracted	Power transmission line; pipeline	Dam; dam with lock	Cemetery: building	Wildland; 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 contours: index, intermediate	Strait; 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

A pamphlet describing topographic maps is available on request

CRANE LAKE, MINNESOTA-ONTARIO

48092-A1-TM-100

1978

PHOTOINSPECTED 1987

• INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1984

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12
MILES 1 2 3 4 5 6 7 8 9 10 11 12

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

1000 0 10000 20000 30000 40000 FEET