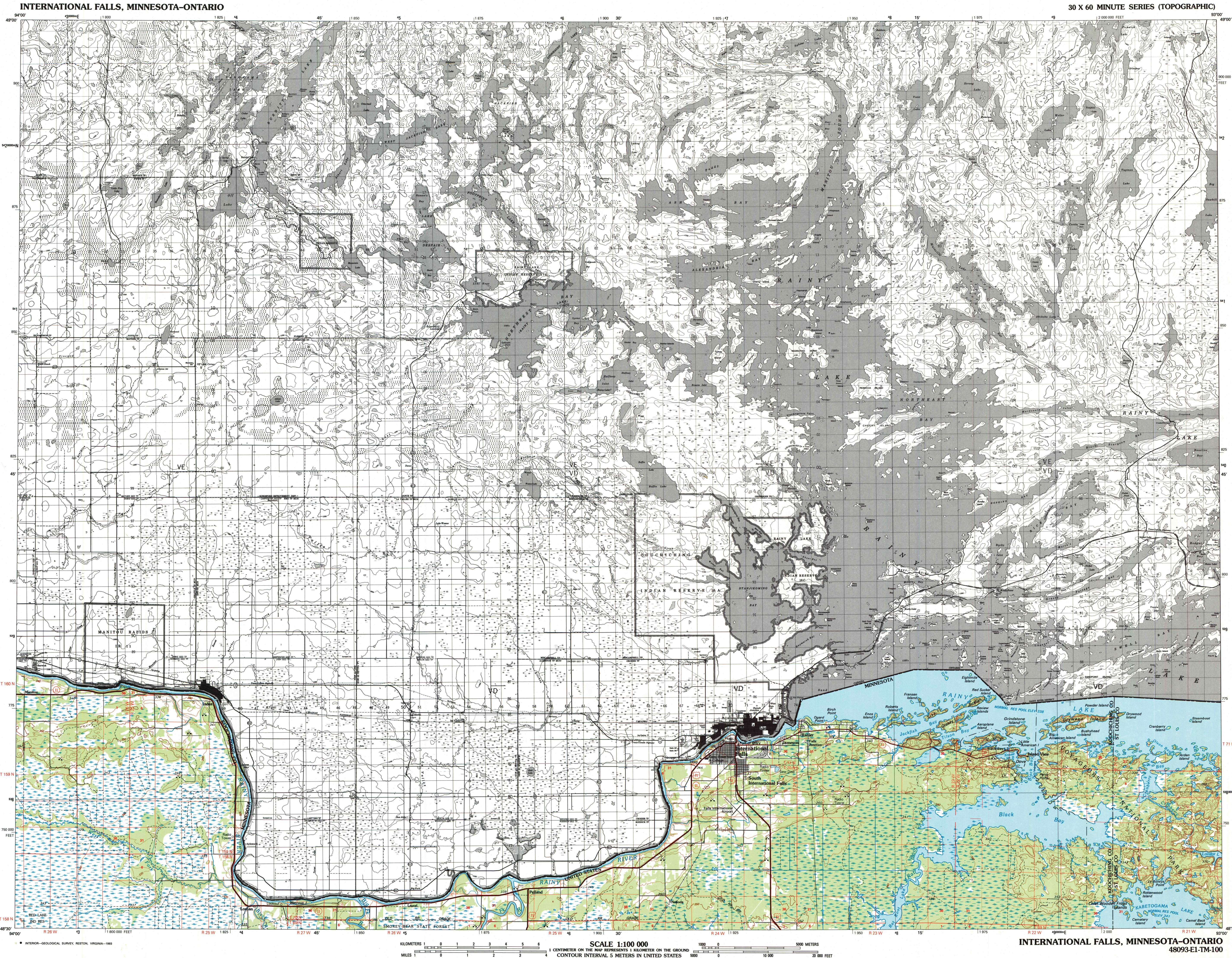
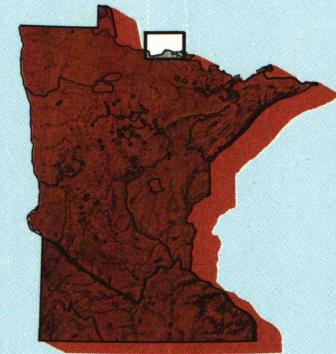




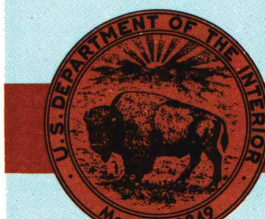
International Falls MINNESOTA-ONTARIO

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 1969-70. Map edited 1978.
Canadian portion copied from Department of Energy, Mines
and Resources, 1:50,000-scale topographic maps dated 1979.
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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 photoinspected using 1987 photographs.
No major culture or drainage changes found.

CONTOUR INTERVAL 5 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	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	22.9658					
8	26.2467					
9	29.5275					
10	32.8084					
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN and 100 magnetic declination (MM) at center of map Diagram is approximate		1 Oak Island 2 3 4 Baudette 5 Brule Narrows 6 Upper Red Lake 7 Littlefork 8 Crane Lake		
To convert feet to meters multiply by 0.3048						

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

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University of Wisconsin
Madison

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 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	
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 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	

A pamphlet describing topographic maps is available on request

INTERNATIONAL FALLS, MINNESOTA-ONTARIO

48093-E1-TM-100

1978

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Box-7/8.02 SET