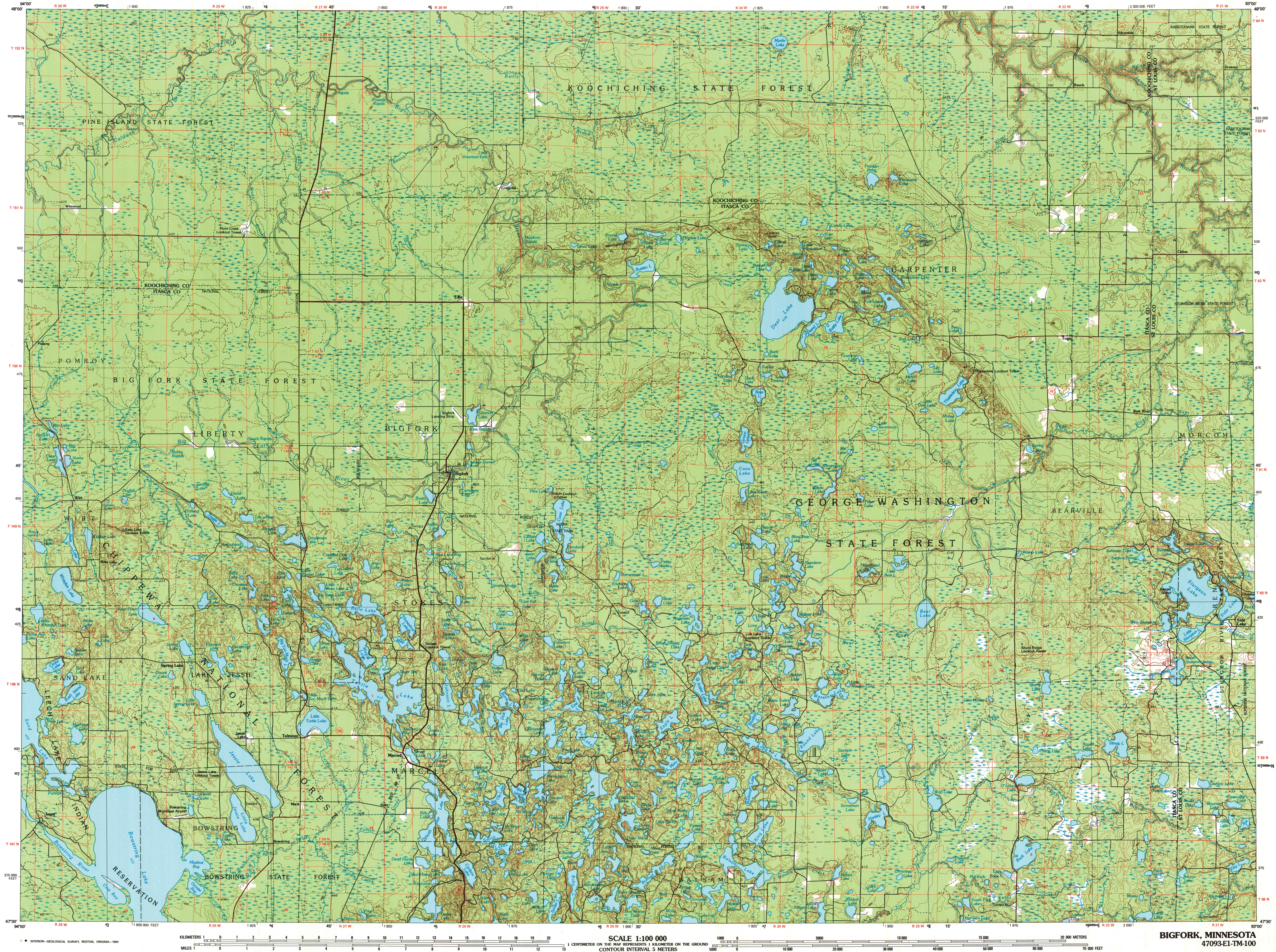
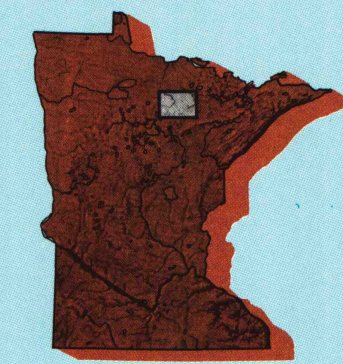
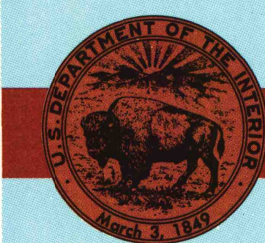


BIGFORK, MINNESOTA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

Bigfork
MINNESOTA1:100 000-scale metric
topographic map30 X 60 MINUTE QUADRANGLE
SHOWING

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



U. S. GEOLOGICAL SURVEY

1976

PHOTOINSPECTED 1987

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1964-1976. Planimetry revised from aerial photographs taken 1973 and other source data. Revised information not field checked. Map edited 1976

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

Map photocopied using 1987 photographs

No major culture or drainage changes found

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			4	4	5
2	6.5617					
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 1976 magnetic declination (MN) at center of map. Diagram is approximate.		1 Upper Red Lake 2 Littlefork 3 Crane Lake 4 Blackduck 5 Vermillion Lake 6 Cass Lake 7 Pokegama Lake 8 Hibbing		
To convert feet to meters multiply by 0.3048						

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MAP LIBRARY

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Madison

Topographic Map Symbols

Primary highways, hard surface	Secondary highways, 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	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; 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 reclaimed; mine, swamp	Land subject to controlled inundation; woodland	Scrub; mangrove	Orchard; vineyard
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A pamphlet describing topographic maps is available on request

SET

Box 278

BIGFORK, MINNESOTA
47093-E1-TM-100

1976

PHOTOINSPECTED 1987