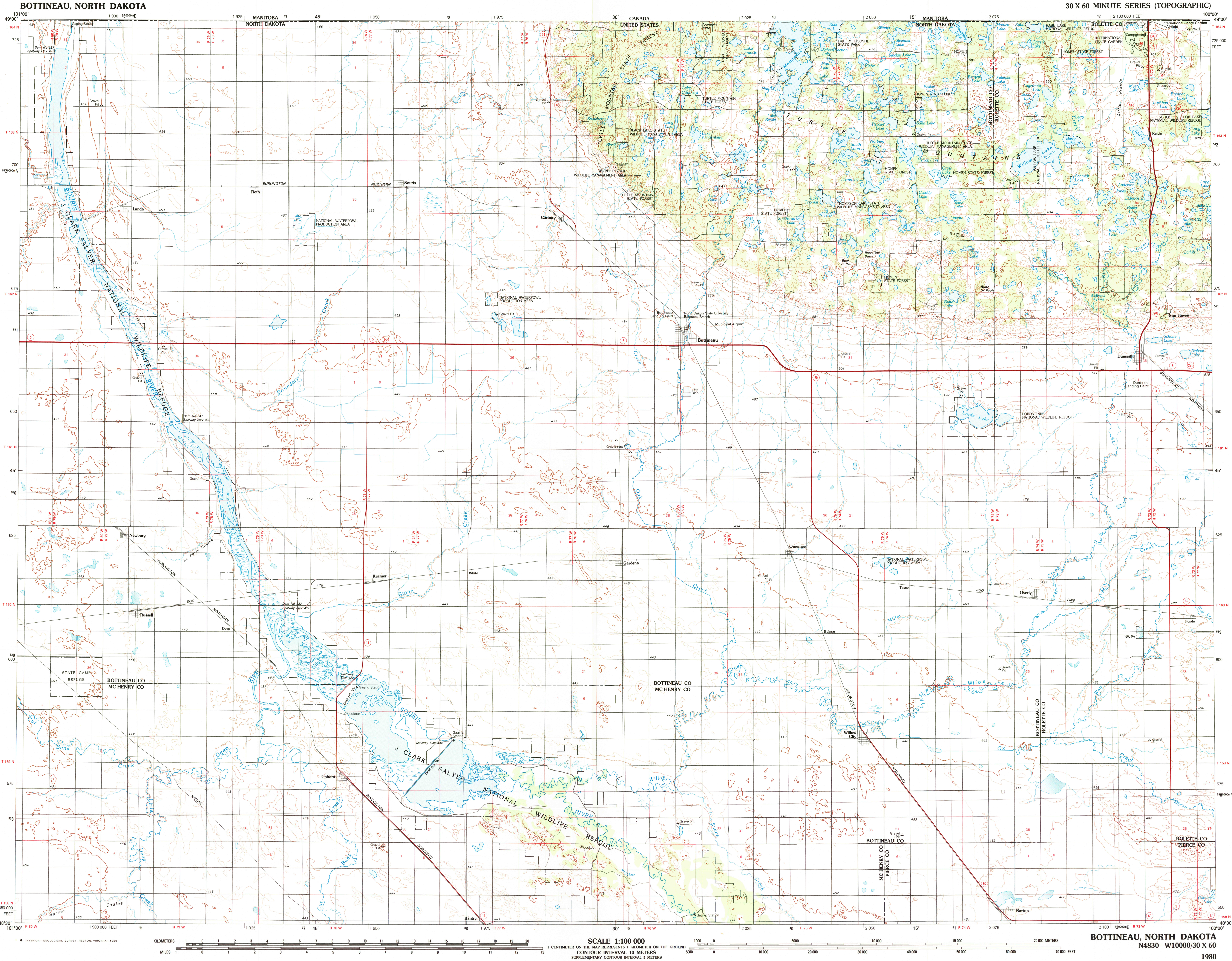


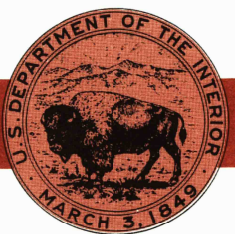


1:100 000-scale metric
topographic map of
Bottineau
NORTH DAKOTA



30 X 60 MINUTE QUADRANGLE
SHOWING

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



1980

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1948-1968. Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1980.

Projection and 10 000-meter grid, zone 14.

Universal Transverse Mercator

25 000-foot grid ticks based on North Dakota coordinate system.

north zone

1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 3 meters north and 32 meters east

There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 10 METERS
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

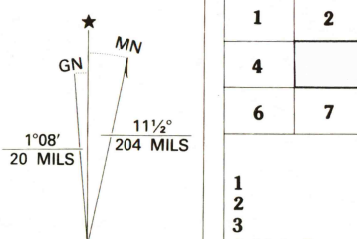
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE

Meters	Feet
1	3.2808
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
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM



UTM grid convergence (GN) and 1980 magnetic declination (MN) at center of map
Diagram is approximate

ADJOINING MAPS	1	2	3
	4	5	
	6	7	8

- 1 Mohall
- 2 Minot
- 3 Velva
- 4
- 5
- 6
- 7
- 8

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: 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, tractated	-----
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	-----
Runs; 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

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES