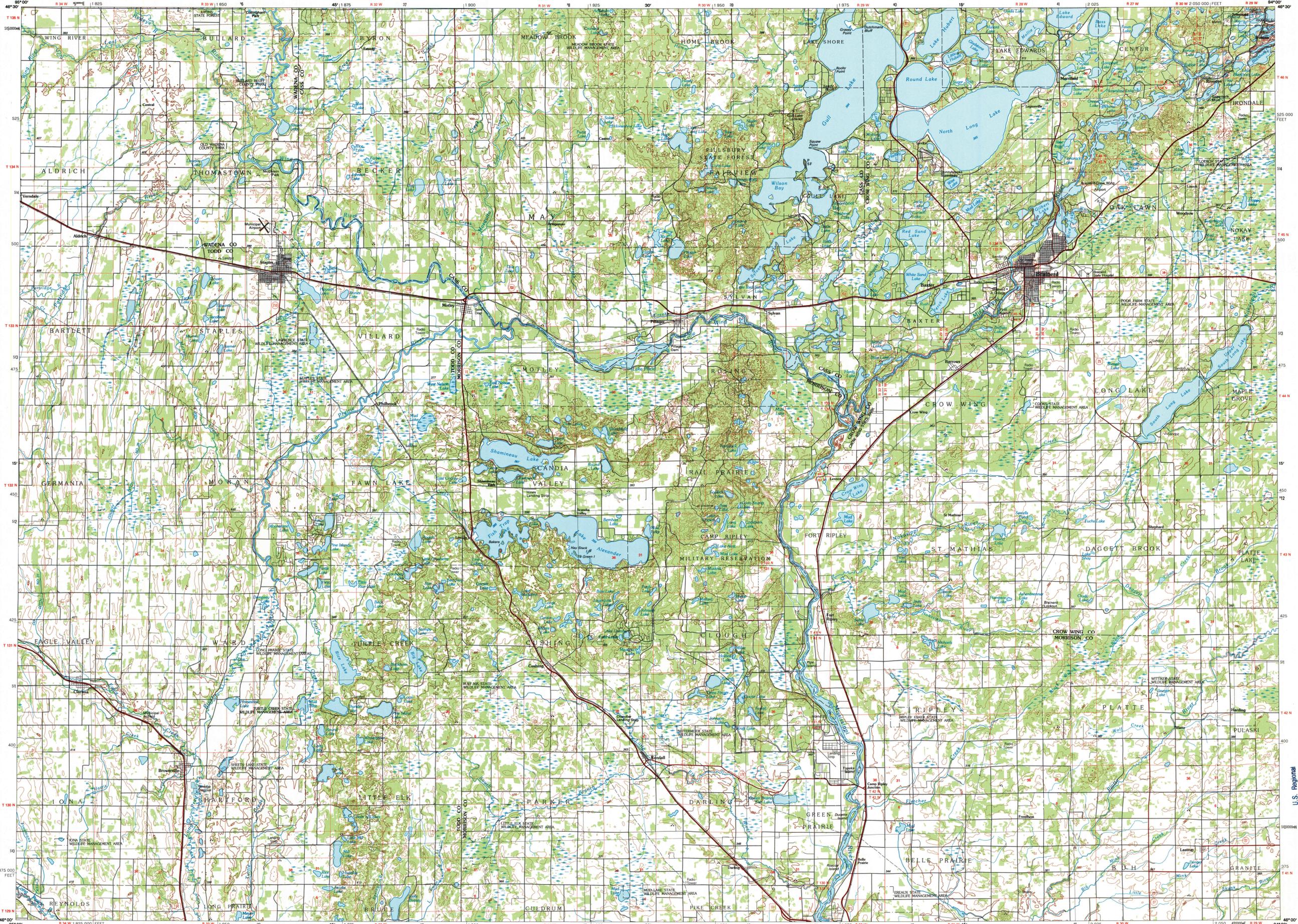


BRAINERD, MINNESOTA

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



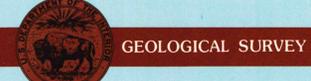
Brainerd MINNESOTA

1:100 000-scale metric topographic map



30 X 60 MINUTE QUADRANGLE SHOWING

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



1986

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1954-1981. Planimetry revised from aerial photographs taken 1964 and other source data. Revised information not field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator

25 000-foot grid ticks based on Minnesota coordinate system, central zone

1927 North American Datum

To place on the predicted North American Datum 1983, move the projection lines 7 meters north and 20 meters east

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

CONTOUR INTERVAL 10 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	Diagram		1	2
1	3.2808			4	5
2	6.5617			1	5
3	9.8425			2	5
4	13.1234			3	5
5	16.4042			4	5
6	19.6850			5	5
7	22.9659			6	5
8	26.2467			7	5
9	29.5275			8	5
10	32.8084			8	5

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048
 UTM grid convergence (GN and 1983 magnetic declination (MN) at center of map
 Diagram is approximate

1 Detroit Lakes
 2 Pine River
 3 Antler
 4 Battle Lake
 5 Millie Lake
 6 Lake Minnewaska
 7 St. Cloud
 8 Mora

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 gauge, narrow gauge	
Bridge: concrete, culvert, trestle	
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, 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

3006-9/82 SET



SCALE 1:100 000

CONTOUR INTERVAL 10 METERS

BRAINERD, MINNESOTA 46094-A1-TM-100

1986

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