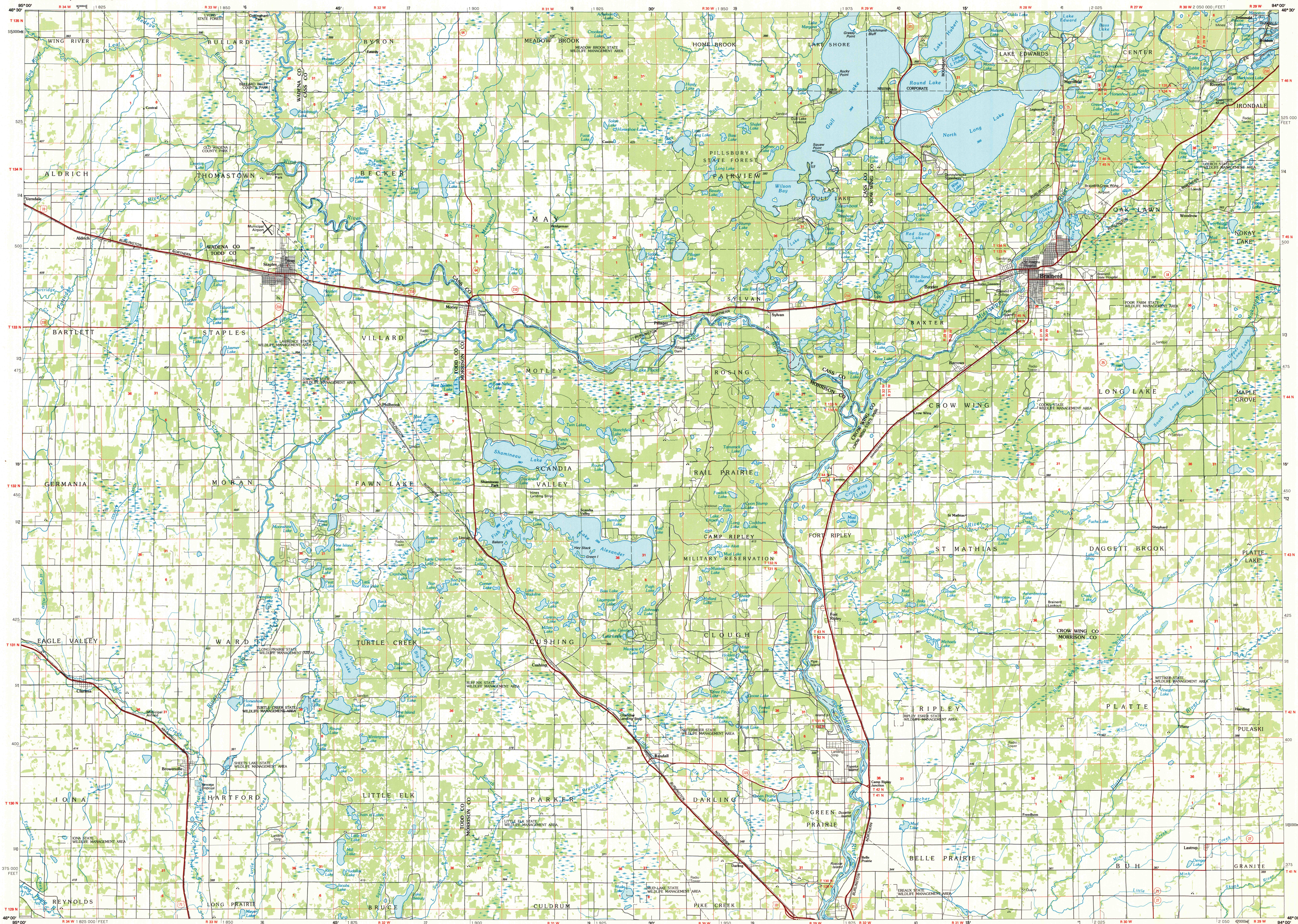
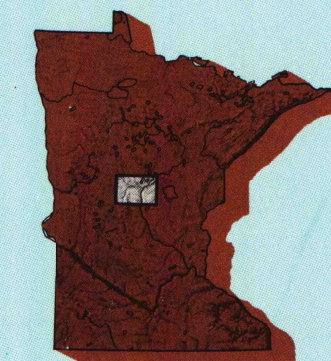
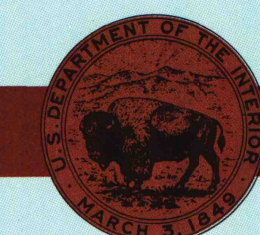


BRainerd, MINNESOTA

30 X 60 MINUTE SERIES (PLANIMETRIC)

Brainerd
MINNESOTA1:100 000-scale
planimetric map30 X 60 MINUTE QUADRANGLE
SHOWING

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



GEOLOGICAL SURVEY

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 1984 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

NATIONAL GEODETTIC 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	5	
2	6.5617				
3	9.8425				
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9659				
8	26.2467				
9	29.5275				
10	32.8084				
To convert meters to feet multiply by 3.2808		UTM grid convergence (GM) and 1983 magnetic declination (MD) at center of map. Diagram is approximate	1	2	3
To convert feet to meters multiply by 0.3048			4	5	

FOR SALE BY U.S. GEOLOGICAL SURVEY
 RESTON, VIRGINIA 22092

U.S. Regional
 Depository Copy
 DO NOT DISCARD

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: 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.	
Sandy, mangrove.	
Orchard; vineyard.	

A pamphlet describing topographic maps is available on request

BRainerd, MINNESOTA
 46094-A1-PL-100

ARTHUR H. ROBINSON MAP LIBRARY
University of Wisconsin-Madison

1986

OCT 2 - 1986 2006-7/8

SET