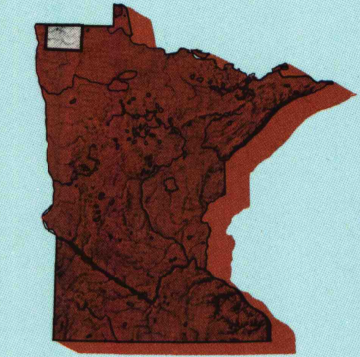


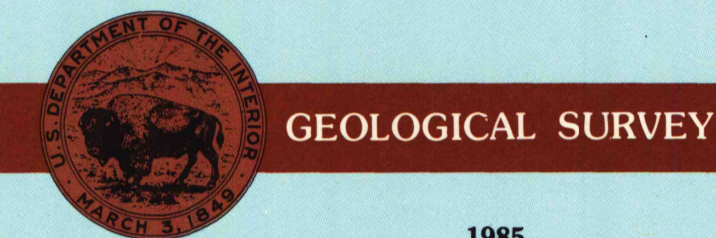
Hallock MINNESOTA

1:100 000-scale
planimetric map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1962-1982. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked. Map edited 1985.
 Projection and 10 000-meter grid, zone 14, Universal Transverse Mercator
 25 000-foot grid ticks based on Minnesota coordinate system, north zone
 1927 North American Datum
 To place on the predicted North American Datum 1983, move the projection lines 4 meters north and 23 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map
 Where omitted, land lines have not been established

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	Magnetic Declination		1	2	3
1	3.2808	33° 15' 33" W		4	5	
2	6.5617	33° 15' 53" W		6	7	8
3	9.8425	33° 16' 13" W				
4	13.1234	33° 16' 33" W				
5	16.4042	33° 16' 53" W				
6	19.6850	33° 17' 13" W				
7	22.9659	33° 17' 33" W				
8	26.2467	33° 17' 53" W				
9	29.5275	33° 18' 13" W				
10	32.8084	33° 18' 33" W				

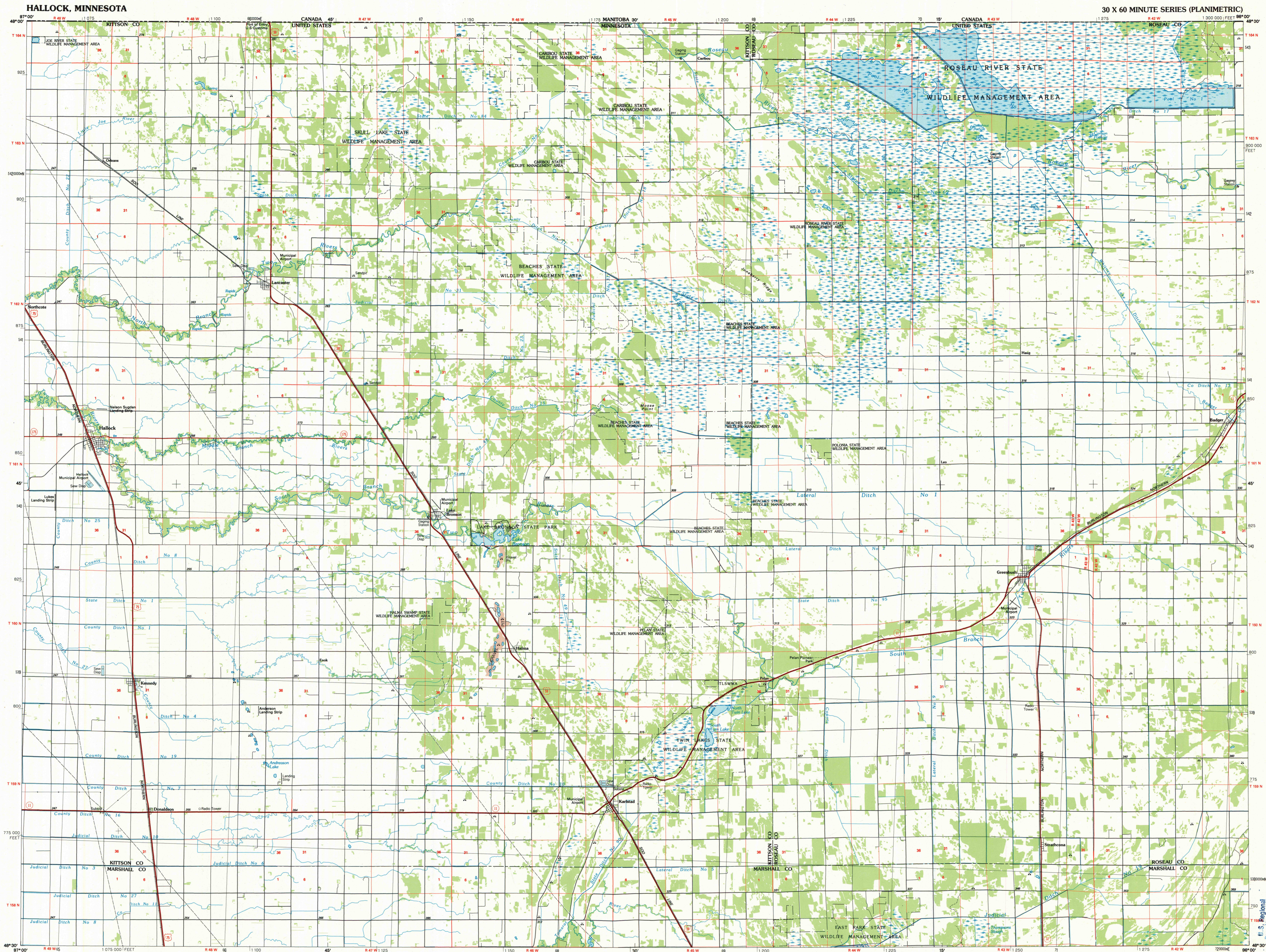
To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048
 UTM grid convergence (GN) and 1983 magnetic declination (MD) at center of map
 Diagram is approximate
 1 Angle Inlet
 2 Cavalier
 3 Roseau
 4 Crawford
 5 Gratiot
 6 Treadwell
 7 Thief River Falls
 8 Grygale

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
- Bridges: 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
- Disturbed surface: with 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



SCALE 1:100 000
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

HALLOCK, MINNESOTA
 48096-E1-PL-100
 1985

3006-7/8
 JUN 9 - 1985
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