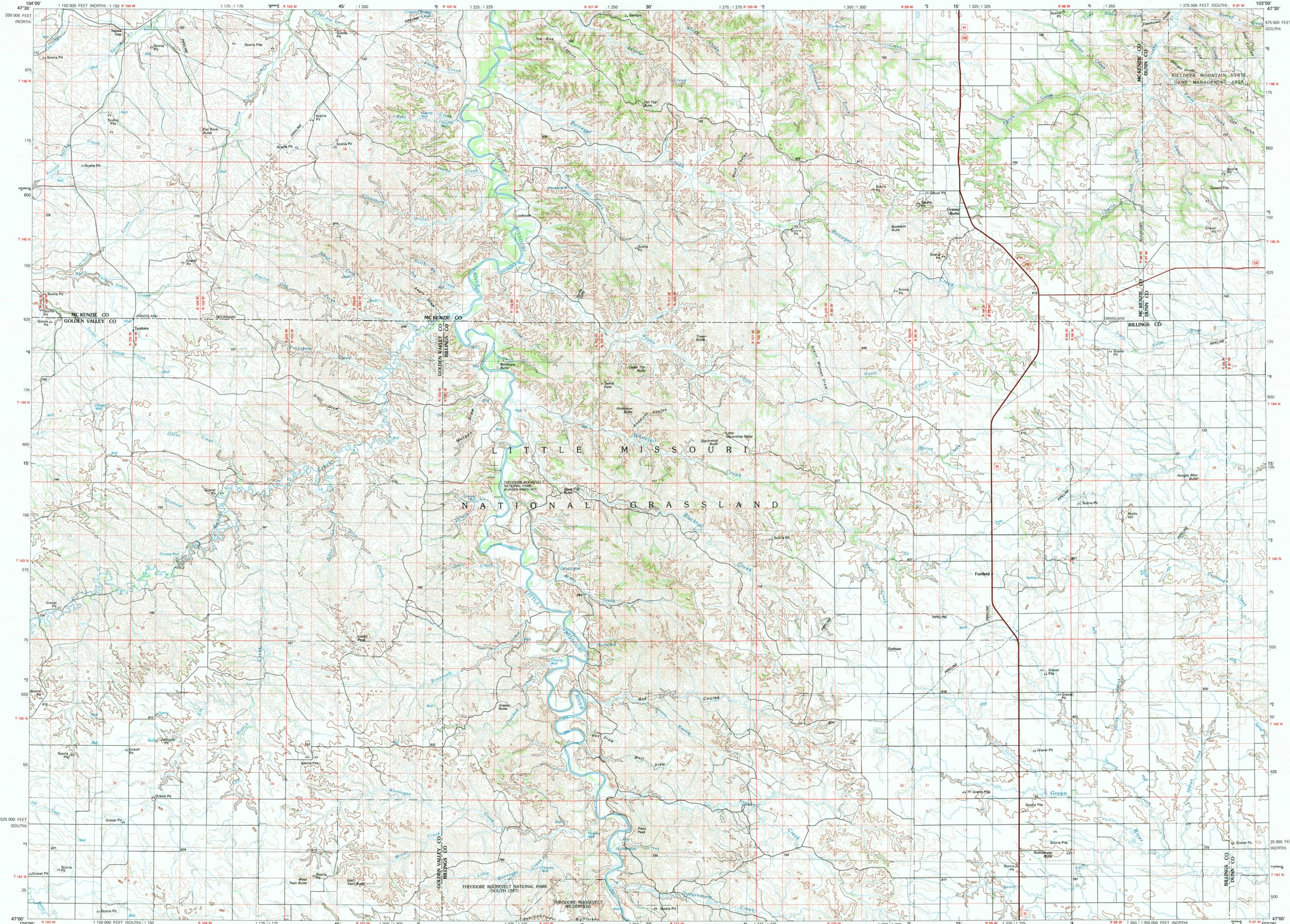


GRASSY BUTTE, NORTH DAKOTA

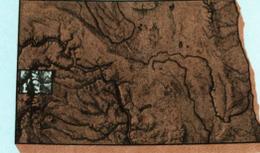
30 X 60 MINUTE SERIES (TOPOGRAPHIC)



# Grassy Butte

NORTH DAKOTA

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



GEOLOGICAL SURVEY

1983

Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1963-1974. Planimetry revised from aerial photographs taken 1980 and other source data. Revised information not field checked. Map edited 1983.  
 Projection and 10 000-meter grid, zone 13  
 Universal Transverse Mercator  
 25 000-foot grid ticks based on North Dakota coordinate system, south and north zones  
 1927 North American Datum  
 To place on the predicted North American Datum 1983 move the projection lines 4 meters north and 38 meters east  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 20 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	Magnetic Declination		1	2	3
1	3.2808	1° 00' 00" N		4	5	
2	6.5617	12° 00' 00" N		6	7	8
3	9.8425	15° 00' 00" N				
4	13.1234	18° 00' 00" N				
5	16.4042	21° 00' 00" N				
6	19.6850	24° 00' 00" N				
7	22.9659	27° 00' 00" N				
8	26.2467	30° 00' 00" N				
9	29.5275	33° 00' 00" N				
10	32.8084	36° 00' 00" N				

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 Sidney  
 2 Watford City  
 3 Parshall  
 4 Glendive  
 5 Killdeer  
 6 Willcox  
 7 Bedford  
 8 Dickinson

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: 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
- Ruin, cliff dwelling
- Disturbed 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



GRASSY BUTTE, NORTH DAKOTA  
47103-A1-TM-100

1983

RETURN TO USGS AND HISTORICAL MAP ARCHIVES