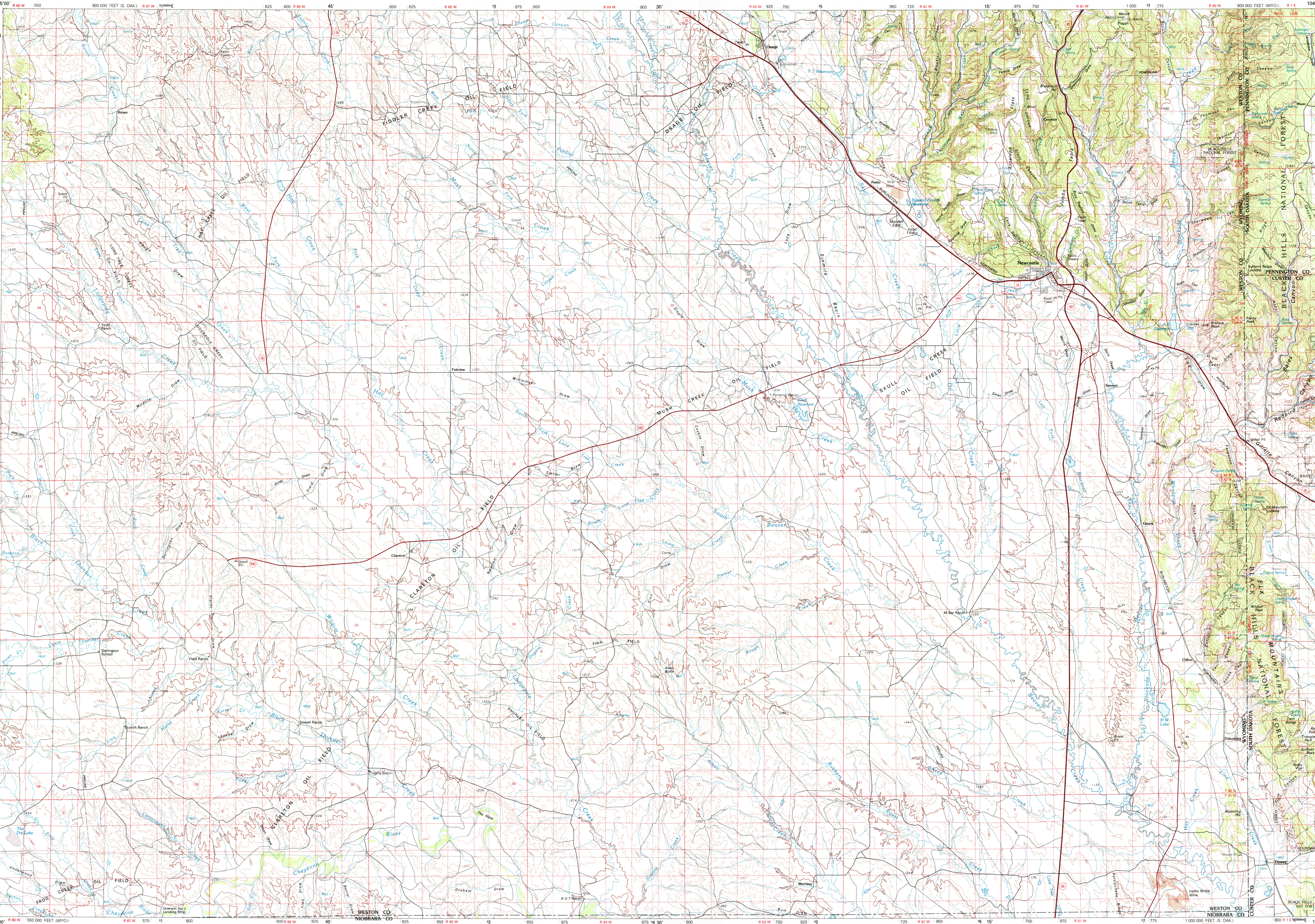


NEWCASTLE, WYOMING-SOUTH DAKOTA

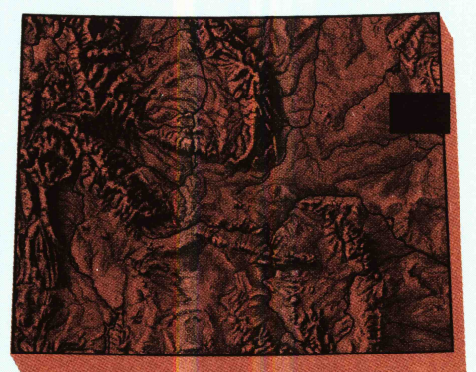




1:100 000-scale metric
topographic map of

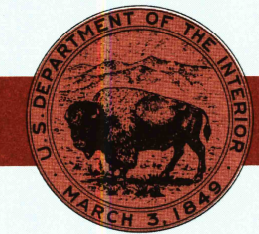
Newcastle

WYOMING-SOUTH DAKOTA



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

1979

Produced by the United States Geological Survey in cooperation with the Bureau of Land Management

Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1951-1979. Map edited 1979. Planimetry revised from aerial photographs taken 1975 and 1977 and other source data. Revised information not field checked.

Projection and 10 000-meter grid, zone 13. Universal Transverse Mercator 25 000-foot grid ticks based on Wyoming coordinate system, east zone and South Dakota coordinate system, south zone 1927 North American datum To place on the predicted North American Datum 1983 move the projection lines 7 meters north and 44 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
FOR SALE BY U.S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO, 80225

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	★ MN GN 1°		1	2	3
1	3.2808			1	4	3
2	6.5617			2	5	4
3	9.8425			3	6	5
4	13.1234			4	7	6
5	16.4042			5	8	7
6	19.6850			6	9	8
7	22.9659			7	10	9
8	26.2467			8	11	10
9	29.5276			9	12	11
10	32.8084			10	13	12

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

UTM grid convergence (GN) and 1979 magnetic declination (MN) at center of map
Diagram is approximate

1 Gillette
2 Sundance
3 Rapid City
4 Reno Junction
5 Mount Rushmore
6 Hill
7 Lance Creek
8

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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: straddled	—————
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	—————
Rapid, 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