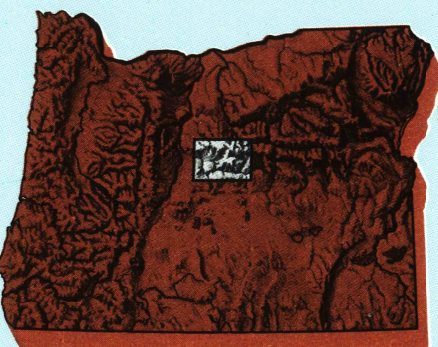


Bend

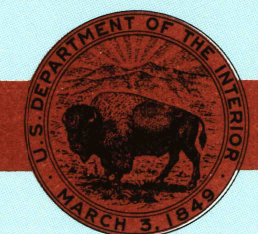
OREGON

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

1980
PHOTOINSPECTED 1991

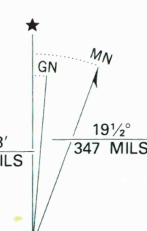
Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1959-75. Planimetry revised from aerial photographs taken 1978 and other source data. Revised information not field checked. Map edited 1980
1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 10
25 000-foot ticks: Oregon coordinate system, south and north zone

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875

There may be private inholdings within the boundaries of the National or State reservations shown on this map
Protracted land lines are dashed
Map photoinspected using 1990-91 photographs
No major culture or drainage changes found

CONTOUR INTERVAL 40 METERS
SUPPLEMENTARY CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

FOR SALE BY U.S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO, 80225

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	Diagram		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	29.5276					
10	32.8084					

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

UTM grid convergence (GN) and 1980 magnetic declination (MD) at center of map
Diagram is approximate

1 North Santiam River
2 Madras
3 Siskiyou Mountain
4 McKenzie River
5 Powdermill
6 Chukar
7 Lathrop
8 Brothers

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9 780607 459623


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HISTORICAL MAP ARCHIVES

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	Build 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	Century; building	Well: water well; spring	Mine shaft; adit or cave; mine; quarry; gravel pit	Campground; picnic area; U. S. location monument	Rules; cliff dwelling	Distorted surface: strip mine, lava, sand	Contours: index; intermediate; supplementary	Bathymetric contours: index; intermediate	Stream, lake; general; 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
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A pamphlet describing topographic maps is available on request

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