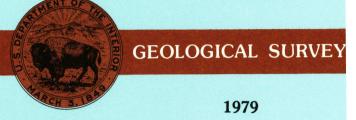


1:100 000-scale metric topographic map of La Grande **OREGON**



30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and 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 1963–1967. Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1979

Projection and 10 000-meter grid, zone 11, Universal Transverse Mercator 25 000-foot grid ticks based on Oregon coordinate system, north zone. 1927 North American Datum To place on the predicted North American Datum 1983 move the projection lines 18 meters north and 83 meters east There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 50 METERS WITH SUPPLEMENTARY CONTOURS AT 10-METER INTERVALS NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet	*	1	2	3
1 2	3.2808 6.5617	GN MN	4		5
3 4	9.8425 13.1234 16.4042	191/2°	6	7	8
6 7	19.6850 22.9659	1°04′ 19 MILS 347 MILS			
8 9	26.2467 29.5276		1		
10	32.8084	\bigvee	3		
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)	4 Heppner 5 Enterprise 6 Monument 7 Bates 8 Baker		



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	\bigcirc	3
Railroad: standard gage; narrow gage	Property	
Bridge; overpass; underpass	+	 -
Tunnel: road; railroad		$\rightarrow \rightarrow - \leftarrow$
Built up area; locality; elevation		• '158
Airport; landing field; landing strip	mmagdham	
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	* 0	0-
Mine shaft; adit or cave; mine, quarry; gravel pit	r ≻	* 2
Campground; picnic area; U. S. location monument	<u>*</u>	
Ruins; cliff dwelling	[]	
Distorted surface: strip mine, lava; sand		
Contours: index; intermediate; supplementary		particular de la companya del companya del companya de la companya
Bathymetric contours: index; intermediate		_
Stream, lake: perennial; intermittent	\sim	
Rapids, large and small; falls, large and small	130 H	1
Area to be submerged; marsh, swamp		عالد عالد -
Land subject to controlled inundation; woodland	the major party come come them, come major come and come come come come come come come come	
Scrub; mangrove		
Orchard; vineyard		
USGS NMD HISTORICAL NAP ARCHIVES A pamphlet describing topographic maps is available on reques SEP 1 8 1996	st	

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