



USGS
science for a changing world

1:100 000-scale metric
topographic map of
Wallowa
OREGON-WASHINGTON

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

1982

Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1957-1967. Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1982.
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 17 meters north and 79 meters east
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 50 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY,
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CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet	GN 30° 35' 30" W M 358 MILS		1	2	3	4
2	6.562			4	5		
4	13.124						
6	19.686						
8	26.248						
10	32.810						
12	39.372						
14	45.934						
16	52.496						
18	59.058						
20	65.620						

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 (M) at center of map
Diagram is approximate

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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	
Bank 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; protected	
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	
Road; golf course	
Distorted 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	
Soak; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request
RECYCLED PAPER
NETAL RECYCLED FIBER