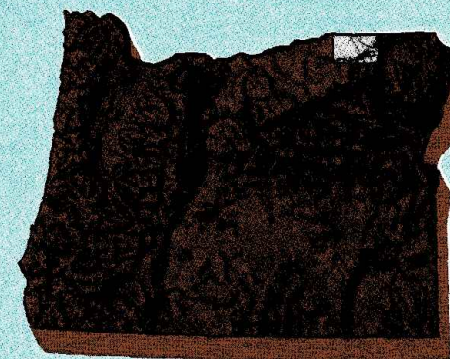




**1:100 000-scale metric
topographic map**



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 1:254 000-scale topographic maps dated 1963-1978. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1983

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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE

Meters	Feet
1	3.2808
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

DECLINATION DIAGRAM

UTM grid convergence (GN) and 18° magnetic declination (MN) at center of map Diagram is approximate

ADJOINING MAPS

4	2	3
1	5	6
6	7	8

1 Richland
2 Walls Walls
3 Charleston
4 Hermiton
5 Wallonia
6 Hogpen
7 La Grande
8 Enterprise

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 | |
| Railroad: 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; old or mine, quarry; gravel pit | |
| Cemetary; picnic area; U. S. location monument | |
| River, cliff; dwelling | |
| Disturbed surface: strip mine, levee; sand | |
| Contours: index; intermediate; supplem. interval | |
| Bathymetric contour: 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.