



1:100 000-scale metric topographic map of Madras 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 and 1:62 500-scale topographic maps dated 1961-1963. Planimetry revised from aerial photographs taken 1975 and other source data. Revised information not field checked. Map edited 1983.  
 Projection and 10 000-meter grid, zone 10, 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 21 meters north and 92 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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	1910	1912	1	2
1	3.2808	11° 15'	11° 15'	1	2
2	6.5617	11° 15'	11° 15'	3	4
3	9.8425	11° 15'	11° 15'	5	6
4	13.1234	11° 15'	11° 15'	7	8
5	16.4043	11° 15'	11° 15'		
6	19.6852	11° 15'	11° 15'		
7	22.9660	11° 15'	11° 15'		
8	26.2469	11° 15'	11° 15'		
9	29.5278	11° 15'	11° 15'		
10	32.8086	11° 15'	11° 15'		

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

UTM grid convergence (km) and 1983 magnetic declination (MK) at center of map  
 Diagram is approximate

1	2	3	4	5	6	7	8
1 Oregon City	2 Mount Hood	3 Clatsop	4 North Santiam River	5 Stephens Mountain	6 Madras River	7 Bend	8 Prineville

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, dirt
- Route marker: Interstate, U. S. State
- Railroad, standard gauge, narrow gauge
- Bridge, overpass, underpass
- Tunnel, rock, 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, edit or cave, mine, quarry, gravel pit
- Campground, picnic area, U. S. location monument
- Ruins, cliff dwelling
- Disrupted 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, swampland
- Land subject to controlled inundation, woodland
- Scrub, mangrove
- Orchard, vineyard

