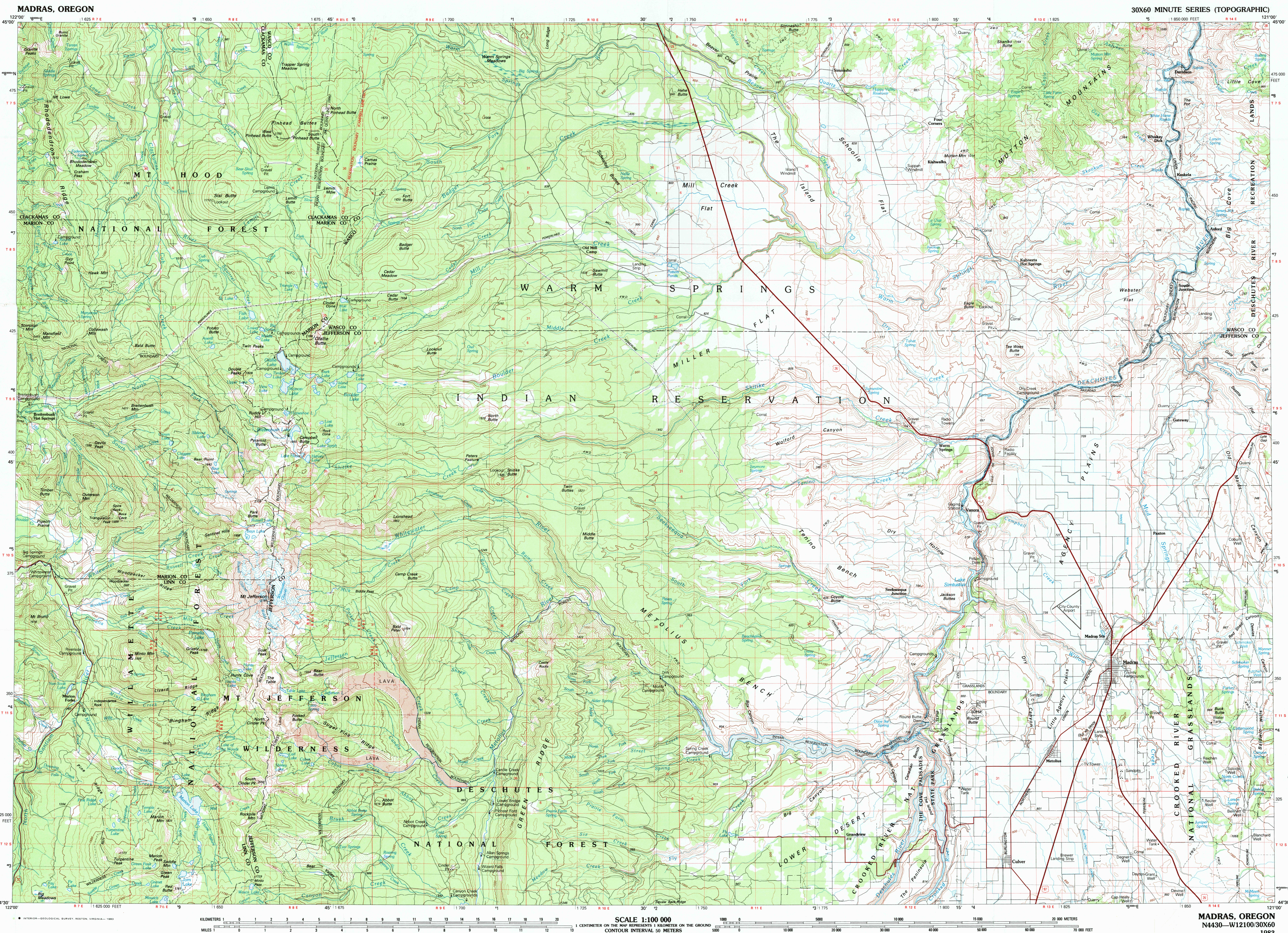




1:100 000-scale metric
topographic map of
Madras
OREGON

30 X 60 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

GEOLOGICAL SURVEY

1983

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		1	2	3
1	3.2808		1	2	3
2	6.5617		4	5	
3	9.8425		6	7	8
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 convergency (GN) and 1983 magnetic declination (MD) at center of map

Diagram is approximate

1 Oregon City
2 Mount Hood
3 Condon
4 North Santiam River
5 Stephens Mountain
6 McKenzie 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; trail	
Route marker; Interstate; U. S. State	
Railroad; standard gauge; narrow gauge	
Bridges; 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; 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	
Rules; cliff dwelling	
Distorted surface; strip mine, lava, and	
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	
Scrub; mangrove	
Orchard; vineyard	

USGS AND HISTORICAL MAP ARCHIVES

A pamphlet describing topographic maps is available on request

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES