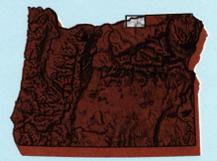


HERMISTON, OREGON-WASHINGTON

30X60 MINUTE SERIES (TOPOGRAPHIC)

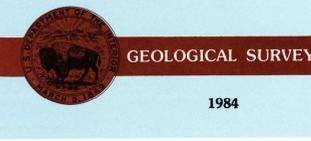
Hermiston OREGON-WASHINGTON

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1976-77, and other source data. Revised information not field checked. Map edited 1984.
 Projection and 10 000-meter grid, zone 11, Universal Transverse Mercator.
 25 000-foot grid ticks based on Oregon coordinate system, north zone and Washington coordinate system, south zone 1972 North American Datum.
 To place on the predicted North American Datum 1983 move the projection lines 19 meters north and 86 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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	GN	My	1	2	3
1	3.2808		1° 47' 32" MILS 19° 15' 347 MILS	1	2	3
2	6.5617			4	5	6
3	9.8425			7	8	
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
10	32.8084					

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

UTM grid convergence (GN and 1984 magnetic declination (MN) at center of map. Diagram is approximate.

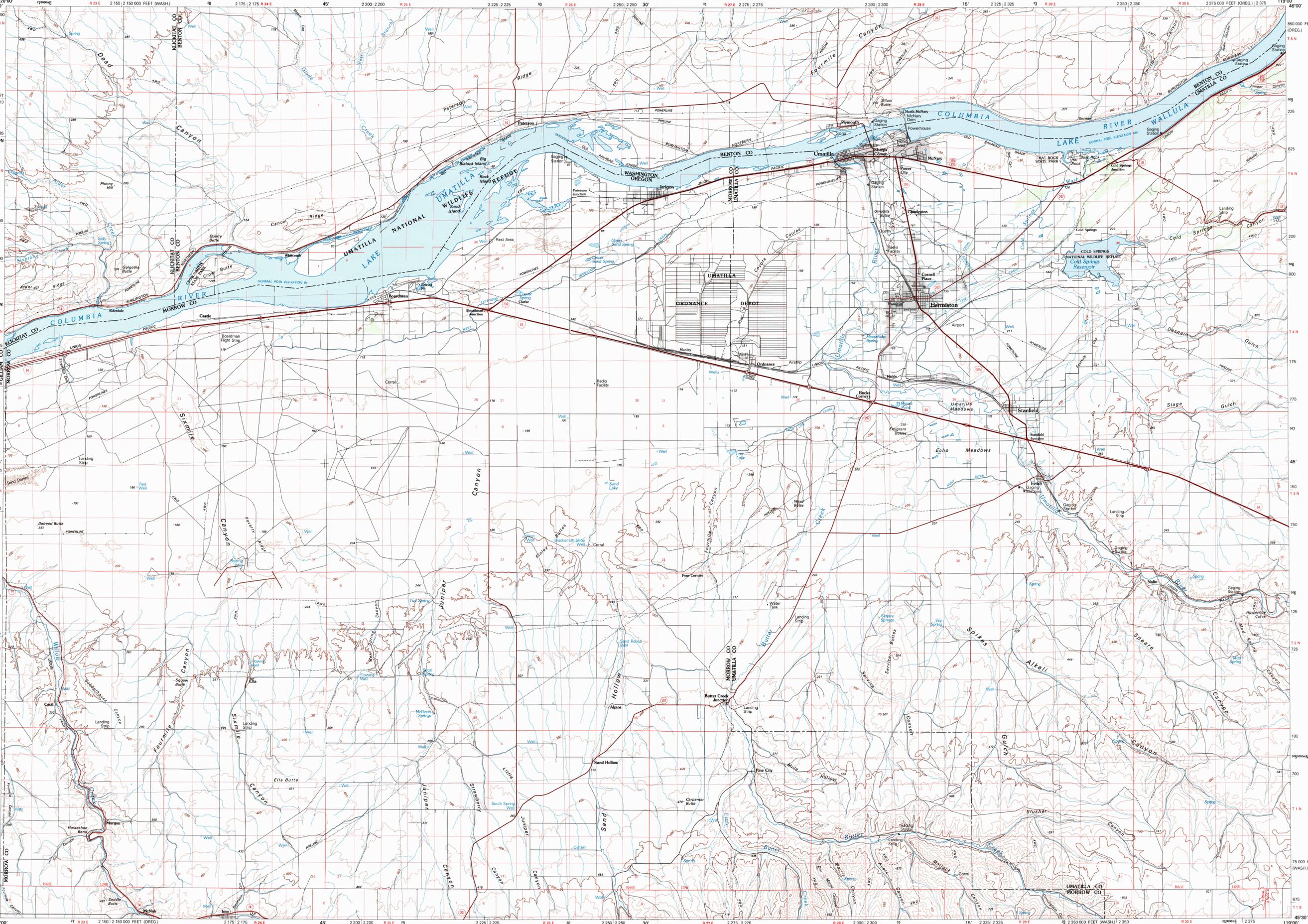
1 Toppenish
 2 Richland
 3 Walla Walla
 4 Goldendale
 5 Pendleton
 6 Condon
 7 Heppner
 8 La Grande

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
- Road marker: Interstate; U. S. State
- Railroad: standard gage; narrow gage
- Bridge; 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
- Woodland; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Ruins; cliff dwelling
- 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
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request



SCALE 1:100 000
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
 CONTOUR INTERVAL 50 METERS

HERMISTON, OREGON-WASHINGTON
 45119-E1-TM-100
 1984

RETURN TO : USGS AND HISTORICAL MAP ARCHIVES