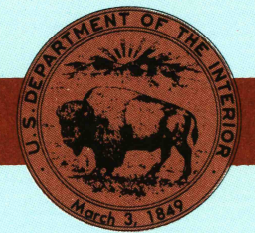


This is a detailed topographic map of the Malheur National Wildlife Refuge and surrounding regions in Harney and Malheur counties, Oregon. The map is overlaid with a red grid showing coordinates from R 31 E to R 38 E and T 24 S to T 29 S. Key features include Malheur Lake, Diamond Craters, and several valleys such as Butte, Anderson, and Barren. The map also shows various roads, trails, and geographical features like mountains and craters. A scale bar at the bottom indicates distances up to 10,000 feet.

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



1978

There may be private inholdings within the boundaries of the National or State reservations shown on this map

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS:

FOR SALE BY U.S. GEOLOGICAL SURVEY,
P.O. BOX 25286, DENVER, COLORADO, 80225

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

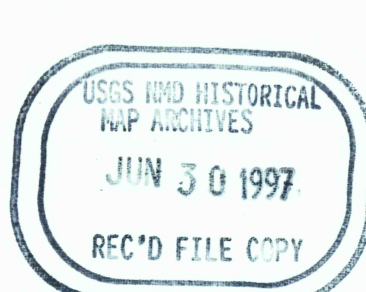
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

UTM grid projection (GN) and 1973 magnetic declination (M/N) at center of map
Diagram is approximate

ADJOINING MAPS

1	2	3
1 Burns	2 Sinkingwater Mts	3 Vale
4 Harnley Lake	5 Mahogany Mountain	6 Bluejacket Lake
7 Sheena Mountains	8 Jordan Valley	



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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: restricted	
Power transmission line; pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; silt or cave; mine, quarry; gravel pit	
Chaparral; 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 reforested; marsh, swamp	
Land subject to controlled inundation; woodland	
Sorb; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request.