

Soil Map—Malheur County, Oregon, Northeastern Part
(BRH Soil Classification)



Soil Map may not be valid at this scale.

116° 57' 1" W

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Map Scale: 1:2,510 if printed on A landscape (11" x 8.5") sheet.
 0 35 70 140 210 Meters
 0 100 200 400 600 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge files: UTM Zone 11N WGS84

116° 56' 37" W

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Malheur County, Oregon, Northeastern Part

34—Umapine silt loam

Map Unit Setting

National map unit symbol: 23d5
Elevation: 2,100 to 2,600 feet
Mean annual precipitation: 9 to 11 inches
Mean annual air temperature: 48 to 54 degrees F
Frost-free period: 120 to 170 days
Farmland classification: Prime farmland if irrigated and reclaimed of excess salts and sodium

Map Unit Composition

Umapine and similar soils: 85 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Umapine

Setting

Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

H1 - 0 to 11 inches: silt loam
H2 - 11 to 60 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 24 to 48 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 20 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 20.0
Available water supply, 0 to 60 inches: High (about 11.9 inches)

Interpretive groups

Land capability classification (irrigated): 3w
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: C
Ecological site: R010XY007OR - SODIC BOTTOM