

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



Soil Map may not be valid at this scale.

116° 57' 1\"/>

116° 57' 1\"/>
































Map Scale: 1:2,510 if printed on A landscape (11" x 8.5") sheet.
 Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84



116° 56' 37\"/>

116° 56' 37\"/>

MAP LEGEND

 Area of Interest (AOI)	 Area of Interest (AOI)	 Spoil Area
Soils	 Soil Map Unit Polygons	 Stony Spot
 Soil Map Unit Lines	 Very Stony Spot	 Wet Spot
 Soil Map Unit Points	 Other	 Special Line Features
Special Point Features	 Blowout	Water Features
 Borrow Pit	 Clay Spot	 Streams and Canals
 Closed Depression	 Gravel Pit	Transportation
 Gravelly Spot	 Landfill	 Interstate Highways
 Lava Flow	 Marsh or swamp	 US Routes
 Mine or Quarry	 Miscellaneous Water	 Major Roads
 Perennial Water	 Rock Outcrop	 Local Roads
 Saline Spot	 Sandy Spot	Background
 Severely Eroded Spot	 Sinkhole	 Aerial Photography
 Slide or Slip	 Sodic Spot	

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Malheur County, Oregon, Northeastern Part
Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 25, 2020—Jul 26, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2	Baldock silt loam	11.4	51.3%
31	Stanfield silt loam	2.0	9.1%
34	Umapine silt loam	8.8	39.6%
Totals for Area of Interest		22.1	100.0%

Malheur County, Oregon, Northeastern Part

31—Stanfield silt loam

Map Unit Setting

National map unit symbol: 23cy
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

Map Unit Composition

Stanfield and similar soils: 83 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Stanfield

Setting

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

Typical profile

H1 - 0 to 12 inches: silt loam
H2 - 12 to 22 inches: silt loam
H3 - 22 to 32 inches: cemented material
H4 - 32 to 60 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to duripan
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: About 18 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.5 inches)

Interpretive groups

Land capability classification (irrigated): 4s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R010XY007OR - SODIC BOTTOM
Hydric soil rating: No

Minor Components

Aquepts, poorly drained

Percent of map unit: 2 percent

Landform: Flood plains

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Malheur County, Oregon, Northeastern Part

Survey Area Data: Version 20, Sep 3, 2024

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

Hydric soil rating: No

Data Source Information

Soil Survey Area: Malheur County, Oregon, Northeastern Part
Survey Area Data: Version 20, Sep 3, 2024