Your AOI (SSURGO)

General Information

Link: Description of Soil Survey Geographic (SSURGO) Database

Download Contents: Tabular data, spatial data (if available), thematic map data, template database, and FGDC metadata

Spatial Data Format: ESRI Shapefile, Geographic WGS84

Soils Data Download Package for your AOI (SSURGO)

AOI Location
Malheur County, Oregon, Northeastern Part; and Malheur County, Oregon, Northern Part

Soil Survey Areas

Malheur County, Oregon, Northeastern Part (OR641)

Area in AOI
11.3 acres

Data Availability
Tabular and Spatial, complete

Version
Survey Area: Version 20, Sep 3, 2024
Tabular: Version 18, Sep 3, 2024
Spatial: Version 5, Sep 3, 2024

Malheur County, Oregon, Northern Part (OR645)

Area in AOI
79.9 acres

Data Availability
Tabular and Spatial, incomplete

Version
Survey Area: Version 6, Sep 3, 2024
Tabular: Version 6, Sep 3, 2024
Spatial: Version 4, Sep 3, 2024

Template Database
State: OR
Microsoft Access Version: Access 2003
Template Database Version: 36
Template Database Name: soildb_OR_2003

https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

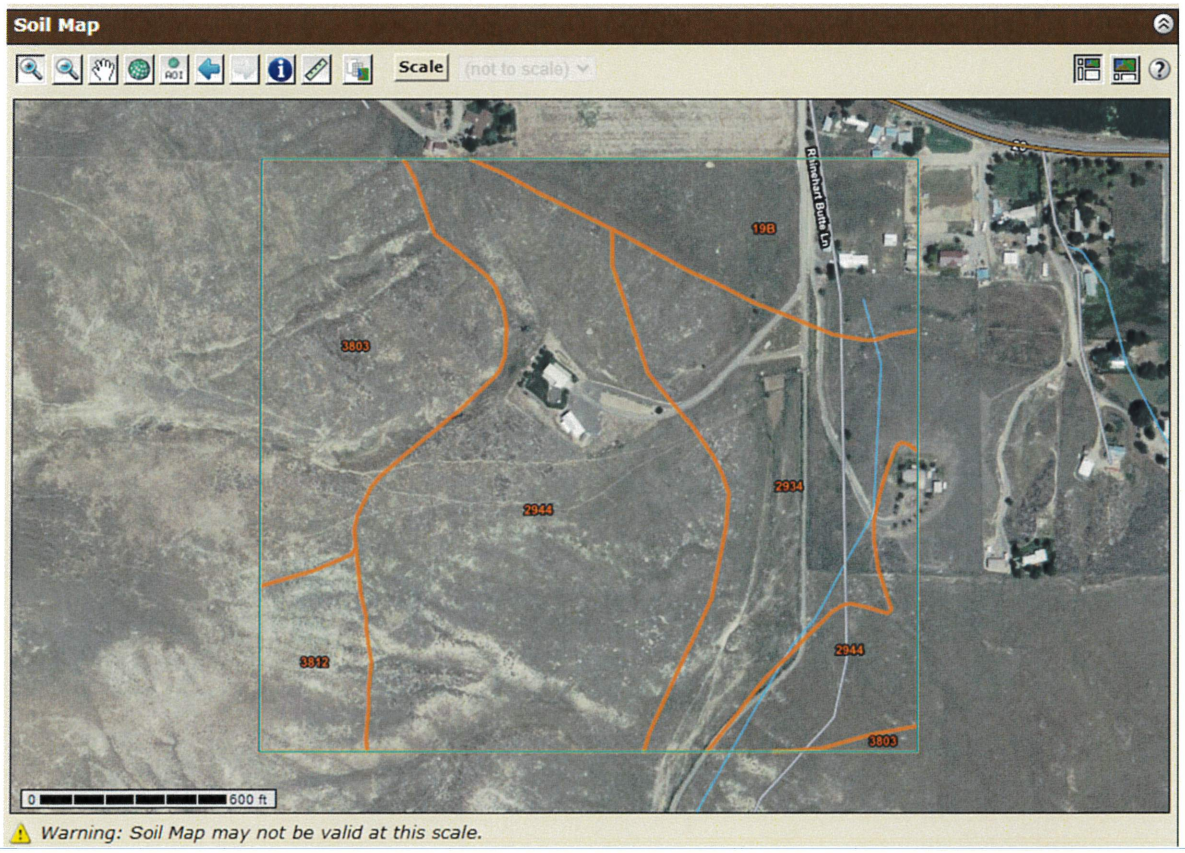
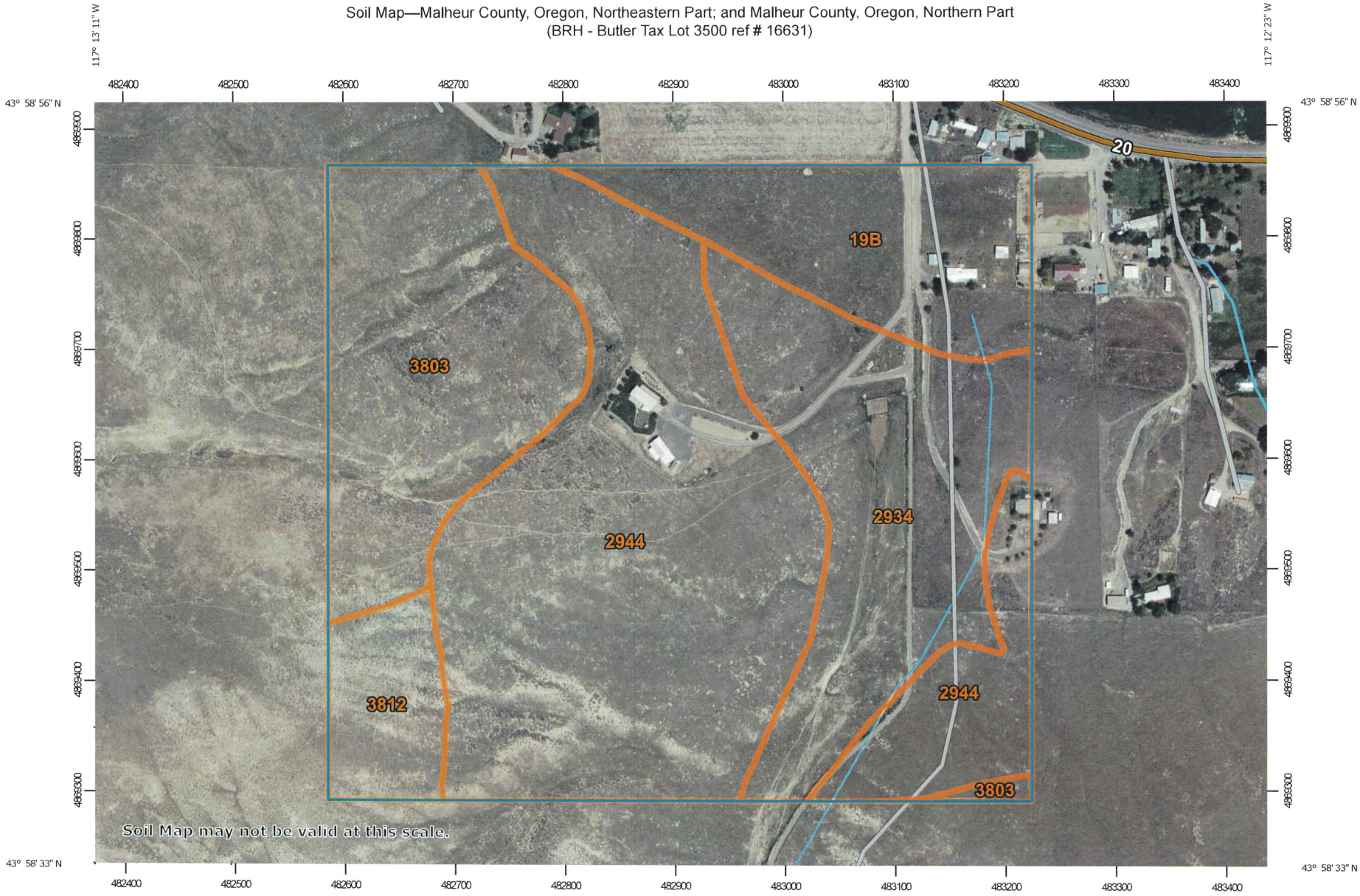


EXHIBIT # 9

Soil Map—Malheur County, Oregon, Northeastern Part; and Malheur County, Oregon, Northern Part
(BRH - Butler Tax Lot 3500 ref # 16631)



Map Scale: 1:4,870 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 200 400 800 1200

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
19B	McLoughlin silt loam, 2 to 5 percent slopes	11.3	12.4%
Subtotals for Soil Survey Area		**11.3**	**12.4%**
Totals for Area of Interest		**91.1**	**100.0%**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2934	Drewsey very fine sandy loam, 1 to 8 percent slopes	18.1	19.9%
2944	Elijah-Frohman-Owsel complex, 5 to 40 percent slopes	40.0	43.9%
3803	Poall very fine sandy loam, 25 to 60 percent north slopes	17.2	18.9%
3812	Haar-Hanning-Tubmountain complex, 2 to 50 percent slopes	4.5	4.9%
Subtotals for Soil Survey Area		**79.9**	**87.6%**
Totals for Area of Interest		**91.1**	**100.0%**

19B—McLoughlin silt loam, 2 to 5 percent slopes

Map Unit Setting

National map unit symbol: 23bw
Elevation: 2,100 to 2,600 feet
Mean annual precipitation: 8 to 10 inches
Mean annual air temperature: 48 to 52 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

Mcloughlin and similar soils: 90 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mcloughlin

Setting

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

Typical profile

H1 - 0 to 20 inches: silt loam
H2 - 20 to 60 inches: silty clay loam

Properties and qualities

Slope: 2 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 35 percent
Maximum salinity: Moderately saline to strongly saline (8.0 to 32.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R010XY007OR - SODIC BOTTOM
Hydric soil rating: No