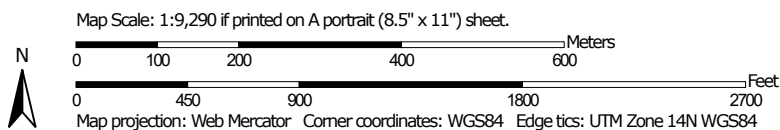
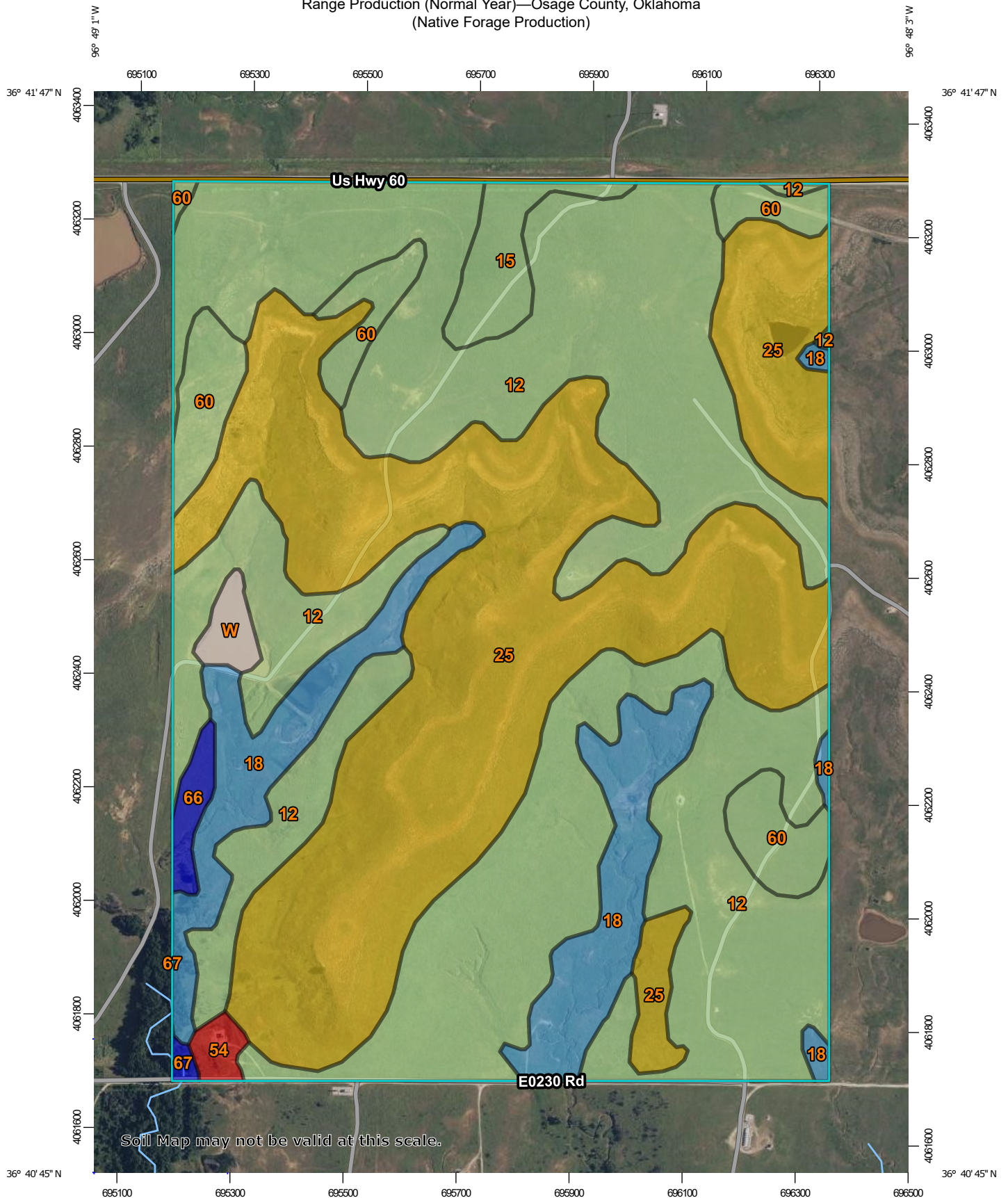


Range Production (Normal Year)—Osage County, Oklahoma
(Native Forage Production)




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/3/2025
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils







Soil Rating Polygons

-  ≤ 2175
-  > 2175 and ≤ 2898
-  > 2898 and ≤ 4163
-  > 4163 and ≤ 4705
-  > 4705 and ≤ 8048
-  Not rated or not available


Soil Rating Lines

-  ≤ 2175
-  > 2175 and ≤ 2898
-  > 2898 and ≤ 4163
-  > 4163 and ≤ 4705
-  > 4705 and ≤ 8048
-  Not rated or not available






Soil Rating Points

-  ≤ 2175
-  > 2175 and ≤ 2898
-  > 2898 and ≤ 4163
-  > 4163 and ≤ 4705
-  > 4705 and ≤ 8048
-  Not rated or not available


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

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: Osage County, Oklahoma
Survey Area Data: Version 22, Aug 27, 2024

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

Date(s) aerial images were photographed: May 11, 2022—Jul 11, 2022

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.

Range Production (Normal Year)

Map unit symbol	Map unit name	Rating (pounds per acre per year)	Acres in AOI	Percent of AOI
12	Bethany-Pawhuska complex, 1 to 5 percent slopes	3793	212.1	46.5%
15	Agra silt loam, 1 to 3 percent slopes	4028	8.6	1.9%
18	Agra-Ashport, frequently flooded complex, 0 to 12 percent slopes	4705	40.7	8.9%
25	Grainola-Shidler complex, 12 to 25 percent slopes	2898	162.6	35.7%
54	Shidler silty clay loam, 1 to 5 percent slopes	2175	2.2	0.5%
60	Coyle-Lucien complex, 3 to 12 percent slopes	4163	22.5	4.9%
66	Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded	7758	3.3	0.7%
67	Verdigris silt loam, 0 to 1 percent slopes, frequently flooded	8048	0.7	0.2%
W	Water		3.1	0.7%
Totals for Area of Interest			455.8	100.0%

Description

Total range production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation. In a normal year, growing conditions are about average. Yields are adjusted to a common percent of air-dry moisture content.

In areas that have similar climate and topography, differences in the kind and amount of vegetation produced on rangeland are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

Rating Options

Units of Measure: pounds per acre per year

Aggregation Method: Weighted Average
Component Percent Cutoff: None Specified
Tie-break Rule: Higher
Interpret Nulls as Zero: Yes