

## Web Soil Survey How-To:

1. Go to <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>
2. Click on the green Start WSS button
3. Under Area of Interest (AOI) – Select PLSS (Section, Township, Range)
  - Enter location information

**Area of Interest (AOI)**    Soil Map    Soil Data

**Search**    Legend

**Area of Interest**

**Quick Navigation**

Address

State and County

Soil Survey Area

Latitude and Longitude or Current Location

**PLSS (Section, Township, Range)**

**View** ?

State: Nebraska

Principal Meridian: Sixth Principal Meridian

**View Meridian Map**

Section: 28

Township: 28 N

Range: 12 W

Duplicate Township: Not a duplicate

Show **PLSS Township and Range** Layer in Map:

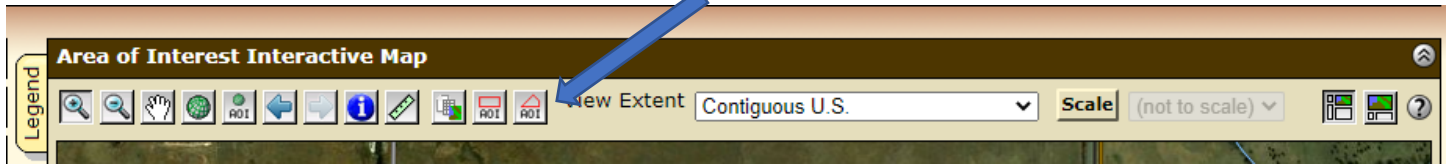
Show **PLSS Section** Layer in Map:

**View**

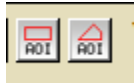
Bureau of Land Management

- A. Select Nebraska
- B. Enter the section number
- C. Enter the township number followed by N (i.e. 24 N)
- D. Enter the range number followed by W (i.e. 10 W)
- E. In the Duplicate Township dropdown select "Not a Duplicate"
- F. Click View in the top or bottom right corner of PLSS dropdown menu

- Use the tools at the top of the map to zoom, navigate the map to the quarter you want, and to draw the area of interest (AOI) for the given application.



- To draw irregular shapes pick the AOI button on the right



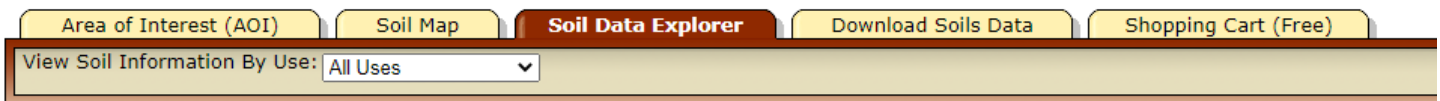
- Outline your AOI



Outline

Selection

5. Navigate to the Soil Data Explorer tab



6. Navigate to the Suitabilities and Limitations for Use tab

**Suitabilities and Limitations for Use**

Search

**Suitabilities and Limitations Ratings**

Open All | Close All

Building Site Development

Construction Materials

Disaster Recovery Planning

**Land Classifications**

Conservation Tree and Shrub Group

Ecological Site ID

Ecological Site Name

Farmland Classification

Hydric Rating by Map Unit

**Irrigated Capability Class**

View Description | View Rating

**View Options**

Map

Table

Description of Rating

Rating Options

Detailed Description

**Advanced Options**

View Description | View Rating

Irrigated Capability Subclass

National Commodity Crop Productivity Index

NH Forest Soil Group

Nonirrigated Capability Class

**Soil Map**

Legend

A. Select Land Classifications

B. Select Irrigated Capability Class

C. Select View Rating in top or bottom right hand corner

7. The Summary Table will show up under the mapped area

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

You have zoomed in beyond the scale at which the soil map for this area is intended to be used. Mapping of soils is done at a particular scale. The soil surveys that comprise your AOI were mapped at 1:20,000. The design of map units and the level of detail shown in the resulting soil map are dependent on that map 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.

**Tables – Irrigated Capability Class – Summary By Map Unit**

**Summary by Map Unit – Antelope County, Nebraska (NE003)**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6636	Boelus loamy fine sand, 0 to 2 percent slopes	3	1.4	9.7%
6703	Thurman loamy fine sand, 2 to 6 percent slopes	4	0.4	2.5%
6715	Thurman-Valentine complex, undulating	4	12.5	87.8%
<b>Totals for Area of Interest</b>			<b>14.3</b>	<b>100.0%</b>

8. Use the Rating and Percent of AOI to complete the WSS section on the Ranking Criteria Form

- Class 3 Rating - 9.7% of AOI – Converts to  $9.7 \times 100 = .097 \%$
- Class 4 Rating (2.5 + 87.8) – 90.3 of AOI – Converts to  $90.3 \times 100 = .903 \%$

9. Web Soil Survey Classification Points – Irrigation capability class will be determined on an area weighted average of each land classification by utilizing the USDA-NRCS Web Soil Survey Program.

a. Land Classification 1	_____	% X	+30 pts =	_____	
b. Land Classification 2	_____	% X	+25 pts =	_____	
c. Land Classification 3	.097	% X	+20 pts =	1.94	
d. Land Classification 4	.903	% X	+15 pts =	13.55	
e. Land Classification 5	_____	% X	+10 pts =	_____	Sub Total
f. Land Classification 6-8	_____	% X	+ 0 pts =	_____	15.49