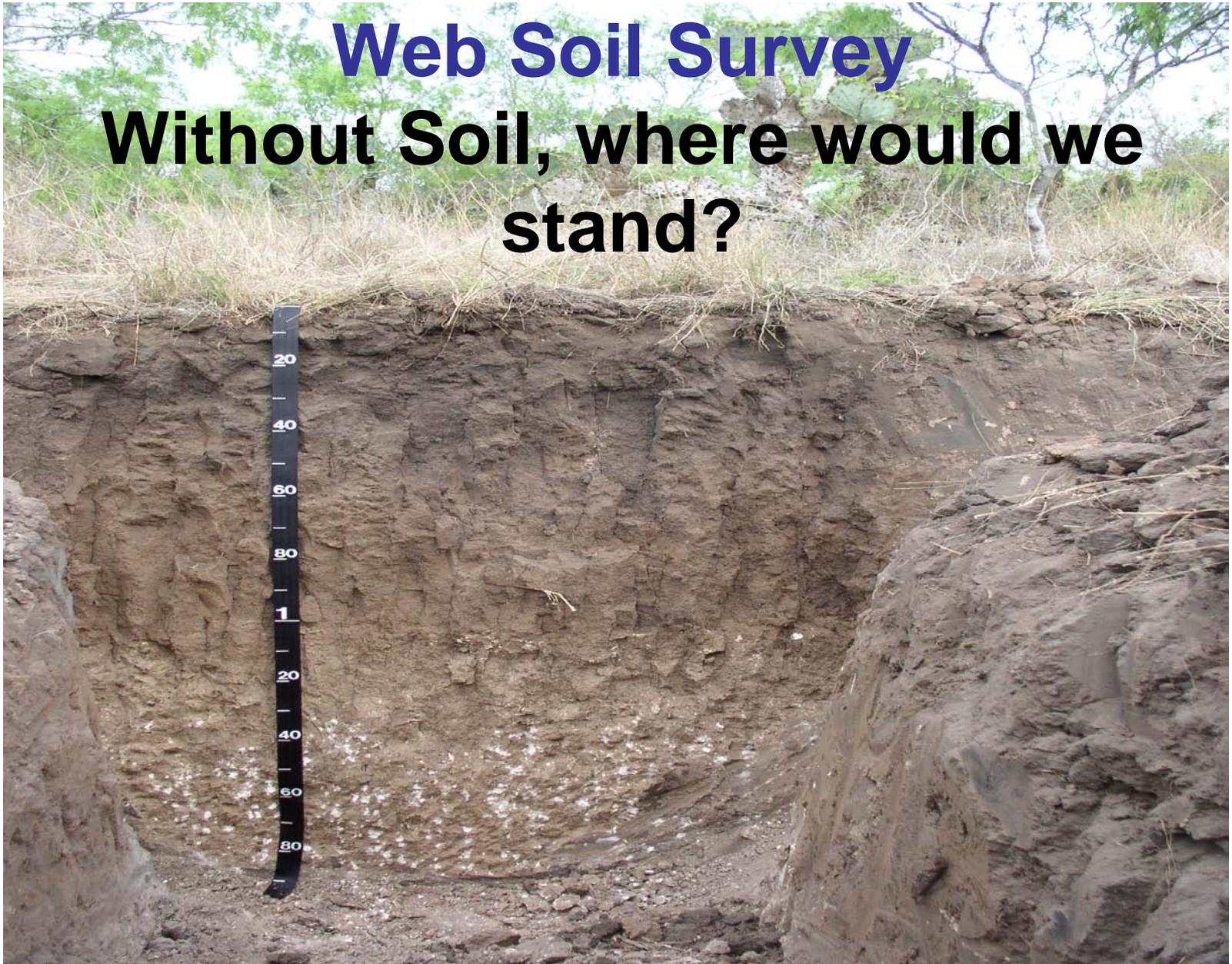


Web Soil Survey

Without Soil, where would we stand?



What is it?

Web Soil Survey

- Web site allows online viewing of soil survey maps and reports.
- Easiest access to soils information for a specific area.
- Easy navigation.
- Can produce many interpretive reports.
(limited to 10,000 acres in AOI).

Where is it?

The image shows a screenshot of a web browser displaying the NRCS Soils website. The browser's address bar shows the URL <http://soils.usda.gov/>. A white callout box with a large arrow points to this address bar. The website header includes the NRCS logo and navigation links such as "Soils Home", "About Us", "Soil Survey", "Soil Use", "Soil Education", "Photo Gallery", "Technical References", "Partnerships", and "Contact Us".

On the left side, there is a "Quick Access" menu with a list of links:

- Hydric Soils
- List of Published Soil Surveys
- National Cooperative Soil Survey (NCSS)
- NRCS Technical Resources
- Official Soil Series Descriptions (OSD)
- Soil Data Mart
- Soil Data Viewer
- Soil Lab Data
- Soil Quality
- Soil Science Glossary
- Soil Series Extent Mapping Tool
- Soil Taxonomy
- State Soils
- STATSGO
- MLRA
- Web Soil Survey
- World Soils

The main content area features a "Welcome to the NRCS Soils Website" message and a section titled "Introducing Web Soil Survey 2.0". A teal callout box with an arrow points to the "Introducing Web Soil Survey 2.0" link. Below this, there is a section for the "NCSS Training Website", also with a teal callout box pointing to its link.

On the right side, there is an "Information For:" section with a list of user groups:

- Geographers
- Soil Scientists
- Land Use Managers
- Teachers and Students
- City and County

The browser's status bar at the bottom right shows a green checkmark and the text "Trusted sites".

<http://soils.usda.gov/>

[Link to Web Soil Survey](#)

[Link to Web Soil Survey](#)

Web Soil Survey

Web Soil Survey - Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://websoilsurvey.nrcs.usda.gov/app/>

Google

United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

Home About Soils Help Contact Us

You are here: WSS Home

Search

Enter Keywords Go

All NRCS Sites

Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Soil Data Mart
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Geochemistry Spatial Database

The simple yet powerful way to access and use soil data.

START WSS

Click "Start WSS"

Welcome to Web Soil Survey (WSS)

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 90 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Help instructions are displayed on the Web page Or by Clicking the Question Mark "?"

Three Basic Steps

- 1 Define.
Area of Interest (AOI)
[Use the Area of Interest tab](#) to define your area of interest.

I Want To...

- Know the requirements for running Web Soil Survey
- Know whether my web browser works with Web Soil Survey

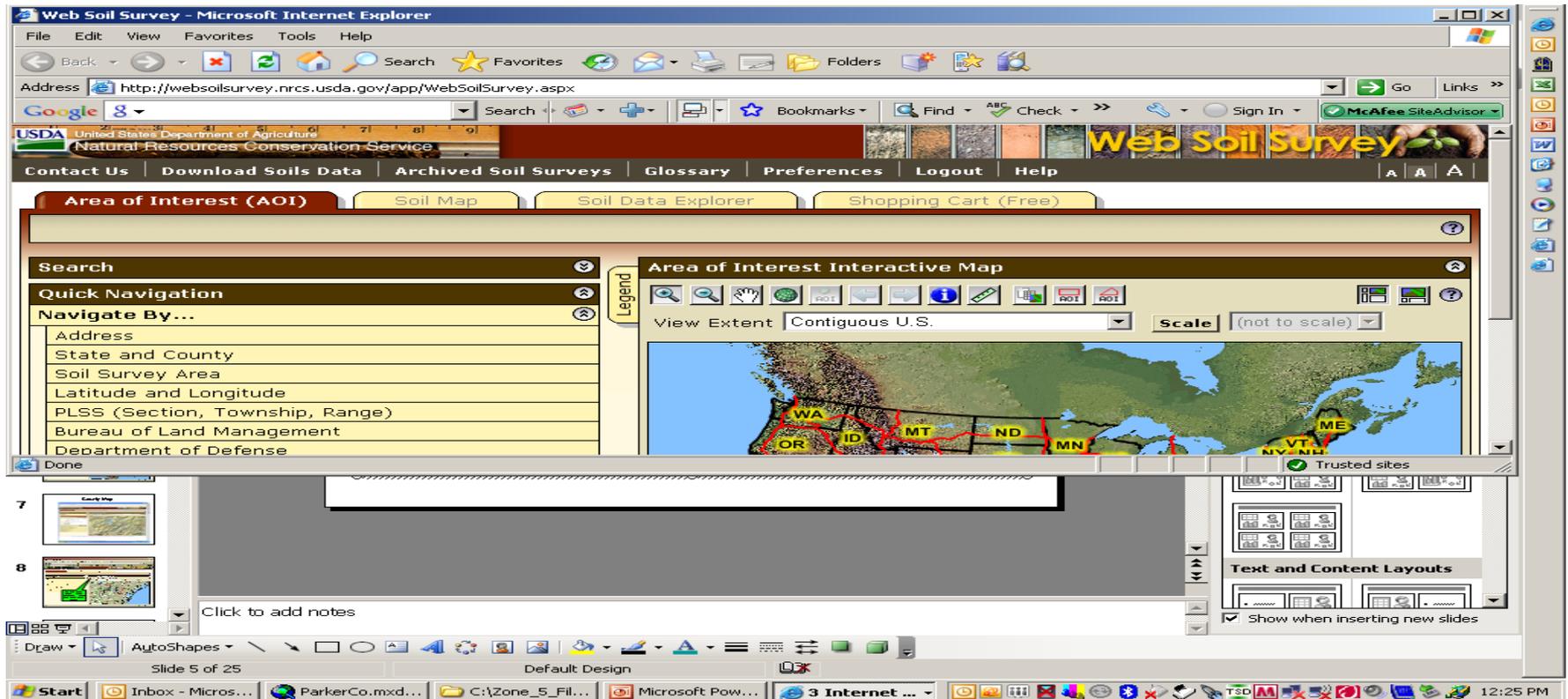
I Want Help With...

- How to use Web Soil Survey

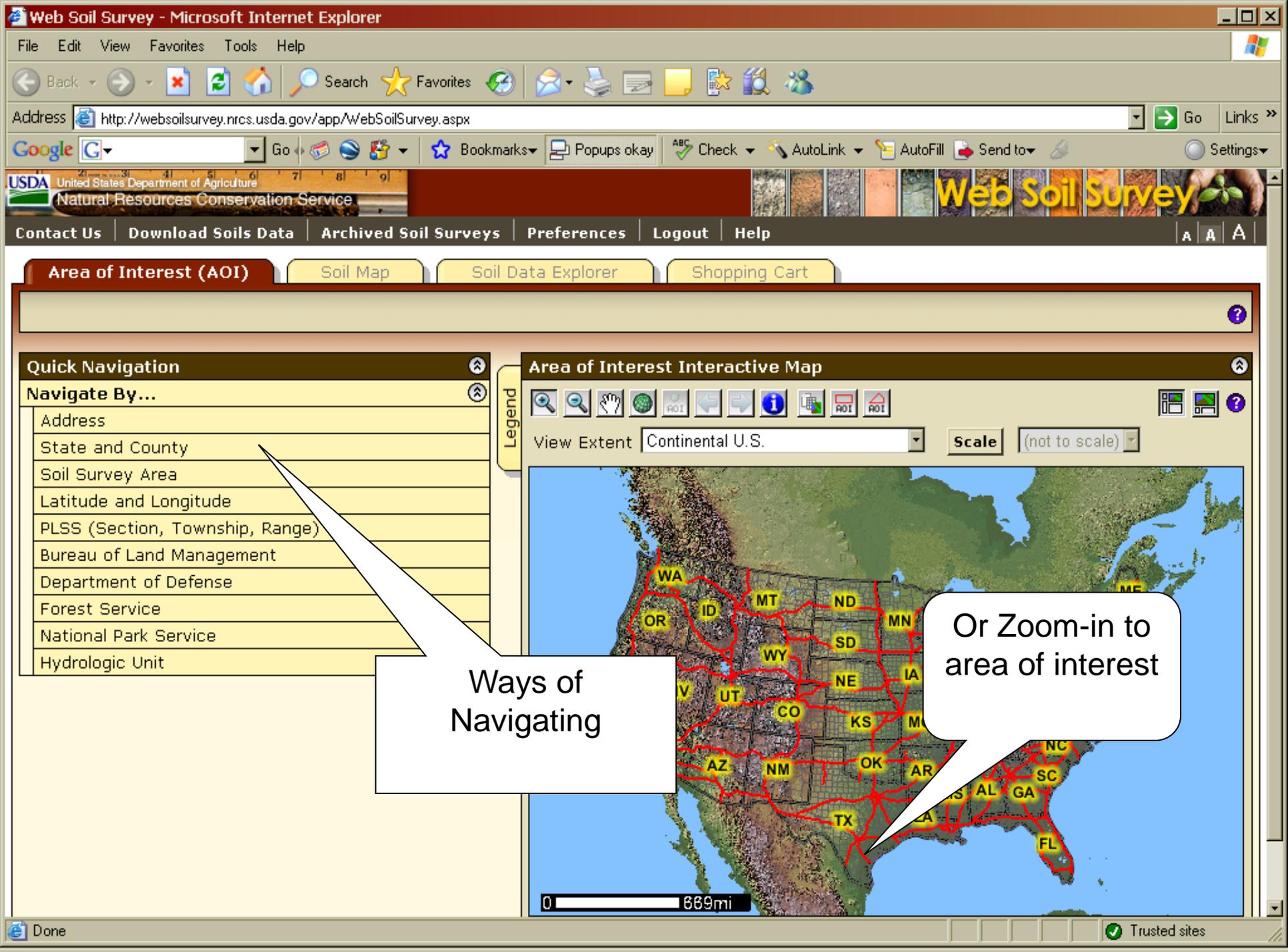
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Trusted sites

Basic Web Soil Survey Progression



1. Define Area of Interest (AOI Tab)
2. View and Explore Soil maps and Soil information (Soil Maps and Soil Data Explorer Tab)
3. Create Custom Report (Shopping Cart)



Quick Navigation

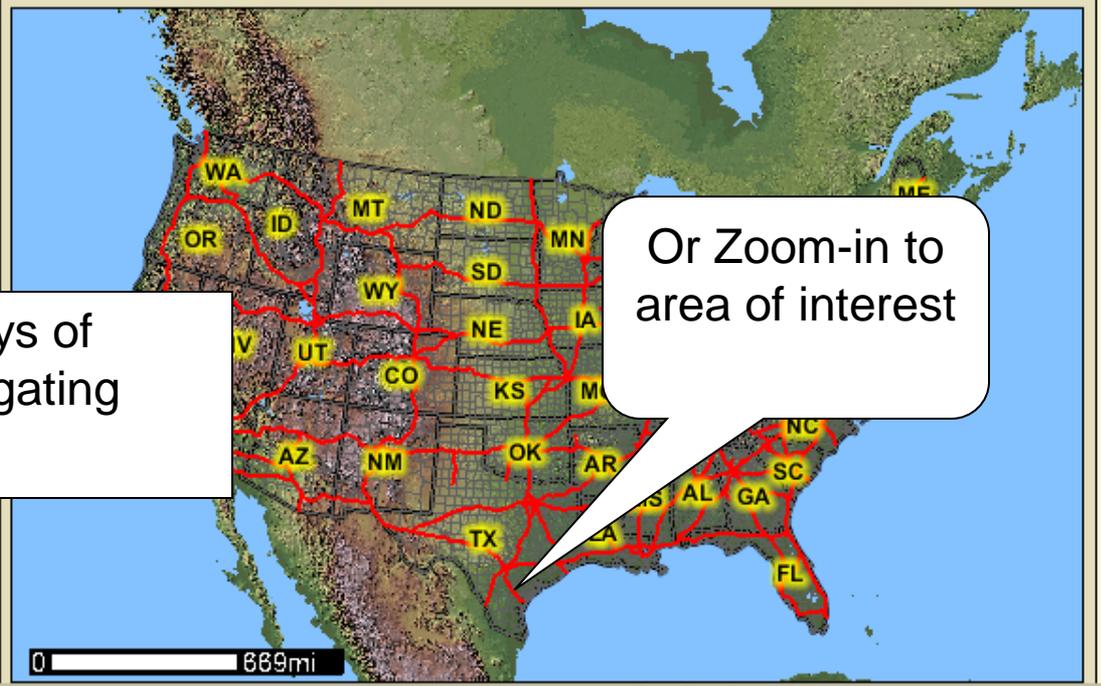
Navigate By...

- Address
- State and County
- Soil Survey Area
- Latitude and Longitude
- PLSS (Section, Township, Range)
- Bureau of Land Management
- Department of Defense
- Forest Service
- National Park Service
- Hydrologic Unit

Ways of Navigating

Area of Interest Interactive Map

Legend View Extent Continental U.S. Scale (not to scale)



Or Zoom-in to area of interest

Helpful Reference Map

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

USDA United States Department of Agriculture
Natural Resources Conservation Service

Contact Us Download Soils Data Archived Soil Surveys Preferences Logout Help

Area of Interest (AOI) Soil Map Soil Data Explorer Shopping Cart

Quick Navigation

Navigate By...

Address

State and County

Soil Survey Area

View Set AOI ?

State Texas

County (optional) Palo Pinto

Soil Survey Area Palo Pinto County, Texas

Show Soil Survey Areas Layer in Map

View Set AOI

Latitude and Longitude

PLSS (Section, Township, Range)

Bureau of Land Management

Department of Defense

Forest Service

National Park Service

Hydrologic Unit

Area of Interest Interactive Map

View Extent Continental U.S.

Scale (not to scale)

0 8.5mi

Young Young County, Texas Jack County, Texas Wee County, Texas

Eliasville Ivan 87

Brad Palo Pinto 254

Stevens Stephens County, Texas Mineral Wells Garner

Metcalfe Gap Brazos Parker County, Texas

Santo Gordon 337

Strawn 18 20

Eastland Eastland County, Texas Erath Erath County, Texas

Hood and Somervell Counties, Texas

FOIA | Accessibility Statement | Privacy Policy | Non-Discrimination Statement | Information Quality | USA.gov | White House

http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm?TARGET_APP=Web_Soil_Survey_application_d141y555rg3amvwshd3i55

Trusted sites

start Microsoft PowerPoint ... Web Soil Survey - Ho... Web Soil Survey - Mic...

9:36 PM

Defining Area of Interest

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Area of Interest Properties

Clear AOI

AOI Information

Name

Map Unit Symbols

- Use Soil Survey Area Map Unit Symbols
- Use National Map Unit Symbols

Soil Data Version 5, Jan 2, 2007

Clear AOI

Quick Navigation

Navigate By...

Address

Done

Area of Interest Interactive Map

Legend

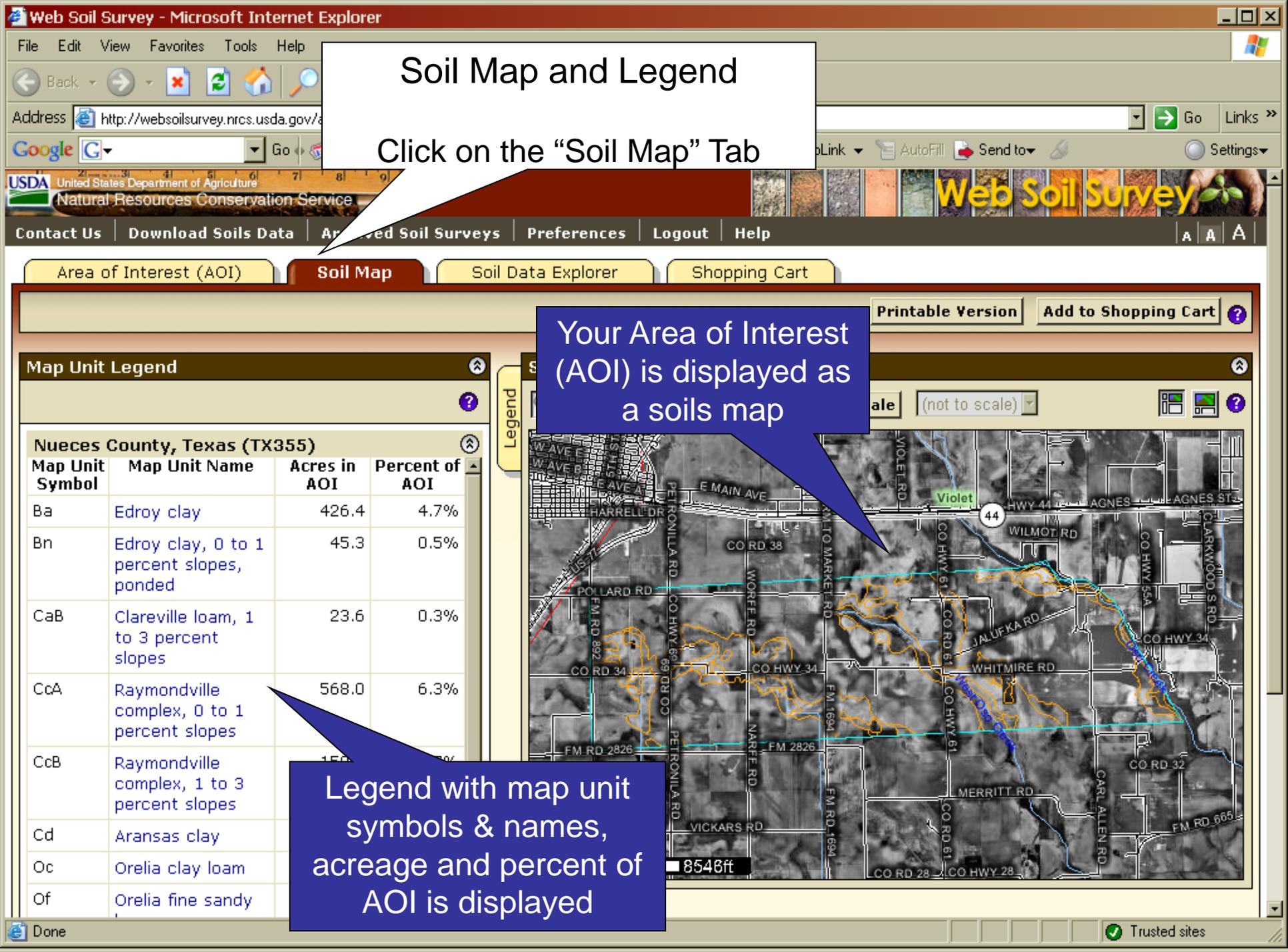
Scale (not to scale)

View Extent Continental U.S.

0 985ft

Using the AOI buttons draw a boundary around the area you are interested in.

Microsoft PowerPoint ... Wireless Network Co... Web Soil Survey - Ho... Web Soil Survey - Mic... 6:23 PM



Soil Map and Legend

Click on the "Soil Map" Tab

Your Area of Interest (AOI) is displayed as a soils map

Legend with map unit symbols & names, acreage and percent of AOI is displayed

| Nueces County, Texas (TX355) | | | |
|------------------------------|---|--------------|----------------|
| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
| Ba | Edroy clay | 426.4 | 4.7% |
| Bn | Edroy clay, 0 to 1 percent slopes, ponded | 45.3 | 0.5% |
| CaB | Clareville loam, 1 to 3 percent slopes | 23.6 | 0.3% |
| CcA | Raymondville complex, 0 to 1 percent slopes | 568.0 | 6.3% |
| CcB | Raymondville complex, 1 to 3 percent slopes | 150.0 | 1.7% |
| Cd | Aransas clay | 0.0 | 0.0% |
| Oc | Orelia clay loam | 0.0 | 0.0% |
| Of | Orelia fine sandy | 0.0 | 0.0% |

Soil Map

Web Soil Survey - Microsoft Internet Explorer

Address: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

USDA United States Department of Agriculture
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys | Preferences | Logout | Help

Area of Interest (AOI) | **Soil Map** | Soil Data Explorer | Shopping Cart

Printable Version | Add to Shopping Cart

Map Unit Legend

Palo Pinto County, Texas (TX363)

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|---|--------------|----------------|
| 9 | Bonti fine sandy loam, 1 to 3 percent slopes | 4.5 | 0.8% |
| 31 | Owens very stony clay, 1 to 8 percent slopes | 16.5 | 3.0% |
| 35 | Santo and Bunyan soils, 0 to 1 percent slopes, frequently flooded | 18.0 | 3.3% |
| 41 | Thurber clay loam, 0 to 1 percent slopes | 24.3 | 4.4% |
| 42 | Thurber clay loam, 1 to 3 percent slopes | 103.1 | 18.7% |
| 43 | Truce fine sandy loam, 1 to 3 percent slopes | 200.5 | 36.3% |
| 44 | Truce fine sandy loam, 3 to 5 percent slopes | 13.0 | 2.4% |

Parker County, Texas (TX367)

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|--|--------------|----------------|
| BnD | Bonti and Truce soils, 1 to 8 percent slopes | 13.5 | 2.5% |

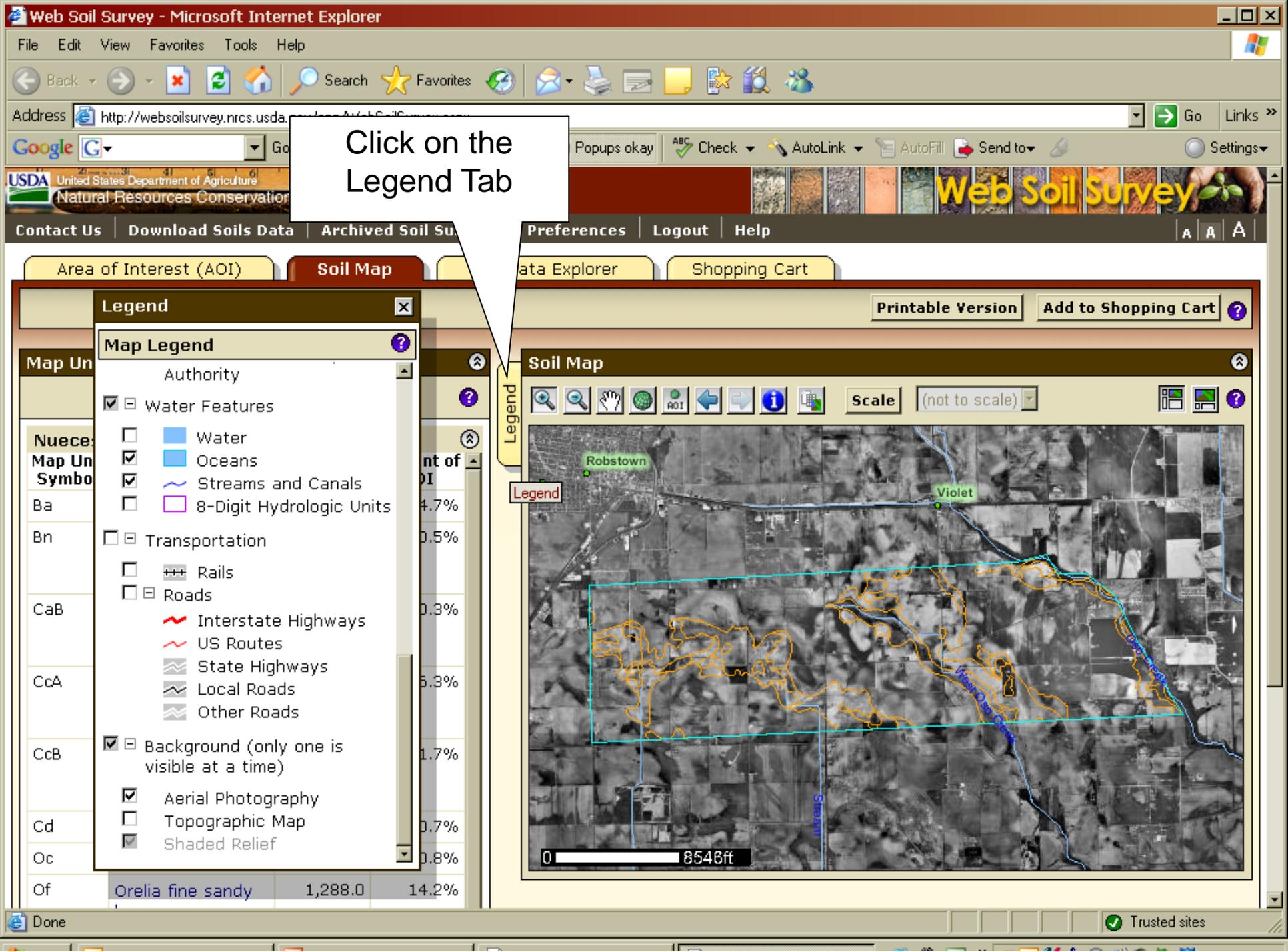
Soil Map

Scale: (not to scale)

Done

Trusted sites

start | Microsoft PowerPoint ... | Web Soil Survey - Mic... | 10:28 PM



Click on the Legend Tab

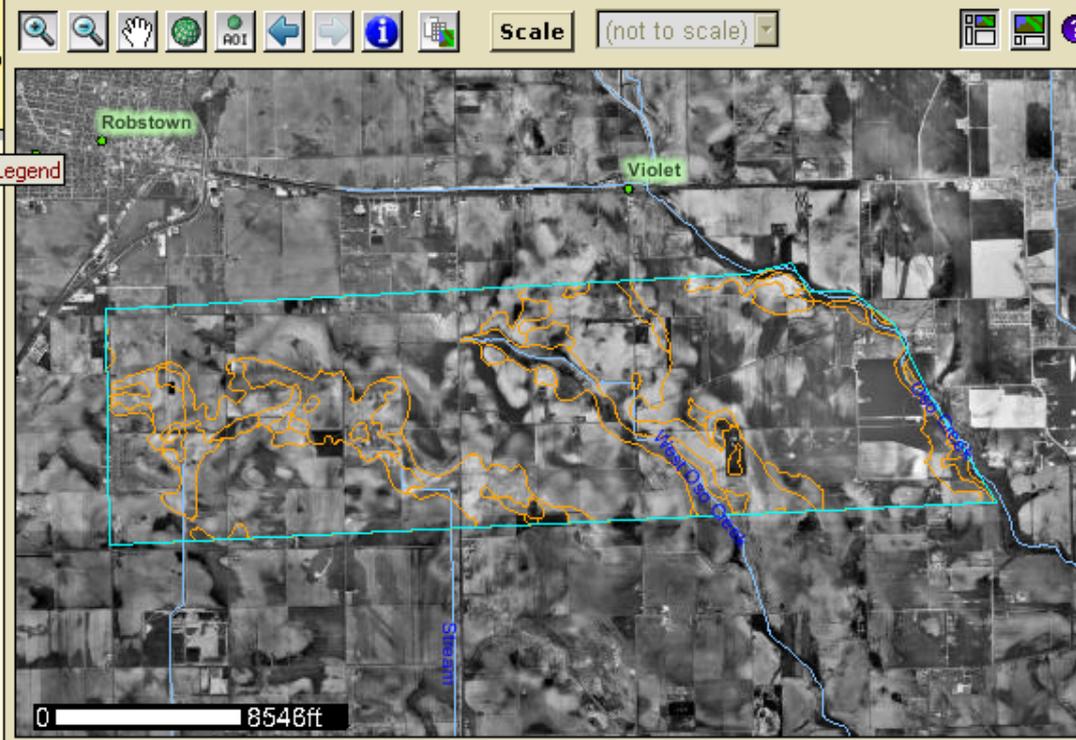
Legend

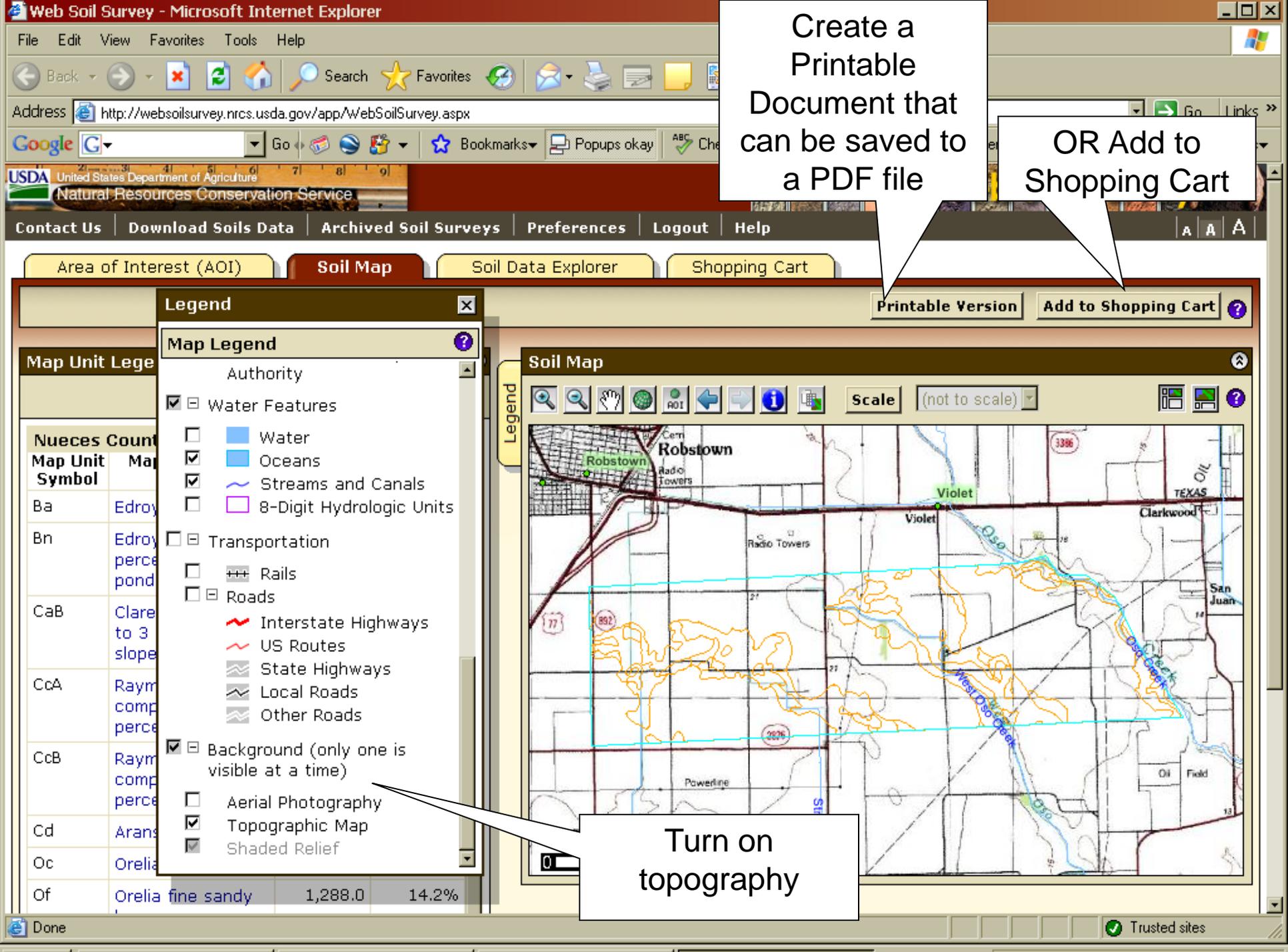
Map Legend

Authority

- Water Features
 - Water
 - Oceans
 - Streams and Canals
 - 8-Digit Hydrologic Units
- Transportation
 - Rails
 - Roads
 - Interstate Highways
 - US Routes
 - State Highways
 - Local Roads
 - Other Roads
- Background (only one is visible at a time)
 - Aerial Photography
 - Topographic Map
 - Shaded Relief

Soil Map





Create a Printable Document that can be saved to a PDF file

OR Add to Shopping Cart

Printable Version Add to Shopping Cart

- Authority
 - Water Features
 - Water
 - Oceans
 - Streams and Canals
 - 8-Digit Hydrologic Units
 - Transportation
 - Rails
 - Roads
 - Interstate Highways
 - US Routes
 - State Highways
 - Local Roads
 - Other Roads
 - Background (only one is visible at a time)
 - Aerial Photography
 - Topographic Map
 - Shaded Relief

Turn on topography

Soil Information

Using Soil Data Explorer

Area of Interest (AOI) | Map | **Soil Data Explorer** | Shopping Cart (Free)

View Soil Information By Use: All Uses | Printable Version | Add to Shopping Cart

Intro to Soils | **Suitabilities and Limitations for Use** | Soil Properties and Qualities | Ecological Site Assessment | Soil Reports

Search

Suitabilities and Limitations Ratings

Open All | Close All

- Building Site Development
- Construction Materials
- Disaster Recovery Planning
- Land Classifications
- Land Management
- Military Operations
- Recreational Development
- Sanitary Facilities
- Vegetative Productivity
- Waste Management
- Water Management

Soil Map

Legend | Scale: (not to scale)

ALE | VeC

Zone Hill Rd

Slide 15 of 25 | Default Design

Start | Inbox - Micros... | ParkerCo.mxd... | C:\Zone_5_Fil... | Microsoft Pow... | 3 Internet ... | 1:57 PM

Interpretation Maps

Click on the Category to view
available Interpretations

The screenshot displays the Web Soil Survey application interface. On the left, a vertical menu lists various categories such as Building Site Development, Construction Materials, Disaster Recovery Planning, Land Classifications, Land Management, Military Operations, Recreational Development, Sanitary Facilities, and Vegetative Productivity. The 'Vegetative Productivity' section is expanded, showing sub-categories like Crop Productivity Index, Forest Productivity, and Range Production (Normal Year), which is highlighted in a darker shade. Below the menu are 'View Description' and 'View Rating' buttons. The 'View Options' section includes checkboxes for Map, Table, Description of Rating, and Rating Options, with a 'Detailed Description' checkbox. The 'Advanced Options' section also has 'View Description' and 'View Rating' buttons. The main area shows a map with several colored polygons (blue, orange, red) overlaid on a grayscale aerial view, representing different soil interpretations. A scale bar at the bottom of the map indicates 0 to 1002 feet. An 'Information' popup window is open over the map, titled 'Description — Range Production (Normal Year)'. It contains two paragraphs of text explaining the concept of range production and its relationship to soil and climate. The popup has a 'Close' button at the bottom right. The browser's address bar shows the URL 'http://websoilsurvey.nrcs.usda.gov/app'. The Windows taskbar at the bottom shows the Start button and several open applications, including Microsoft PowerPoint, Wireless Network Co..., and two instances of Web Soil Survey. The system clock shows 6:32 PM.

Address: <http://websoilsurvey.nrcs.usda.gov/app>

Building Site Development

Construction Materials

Disaster Recovery Planning

Land Classifications

Land Management

Military Operations

Recreational Development

Sanitary Facilities

Vegetative Productivity

Crop Productivity Index

Forest Productivity (Cubic Feet per Acre per Year)

Forest Productivity (Tree Site Index)

Iowa Corn Suitability Rating

Range Production (Favorable Year)

Range Production (Normal Year)

[View Description](#) [View Rating](#)

View Options

Map

Table

Description of Rating

Rating Options

Detailed Description

Advanced Options

[View Description](#) [View Rating](#)

Range Production (Unfavorable Year)

Yields of Irrigated Crops (Component)

Information

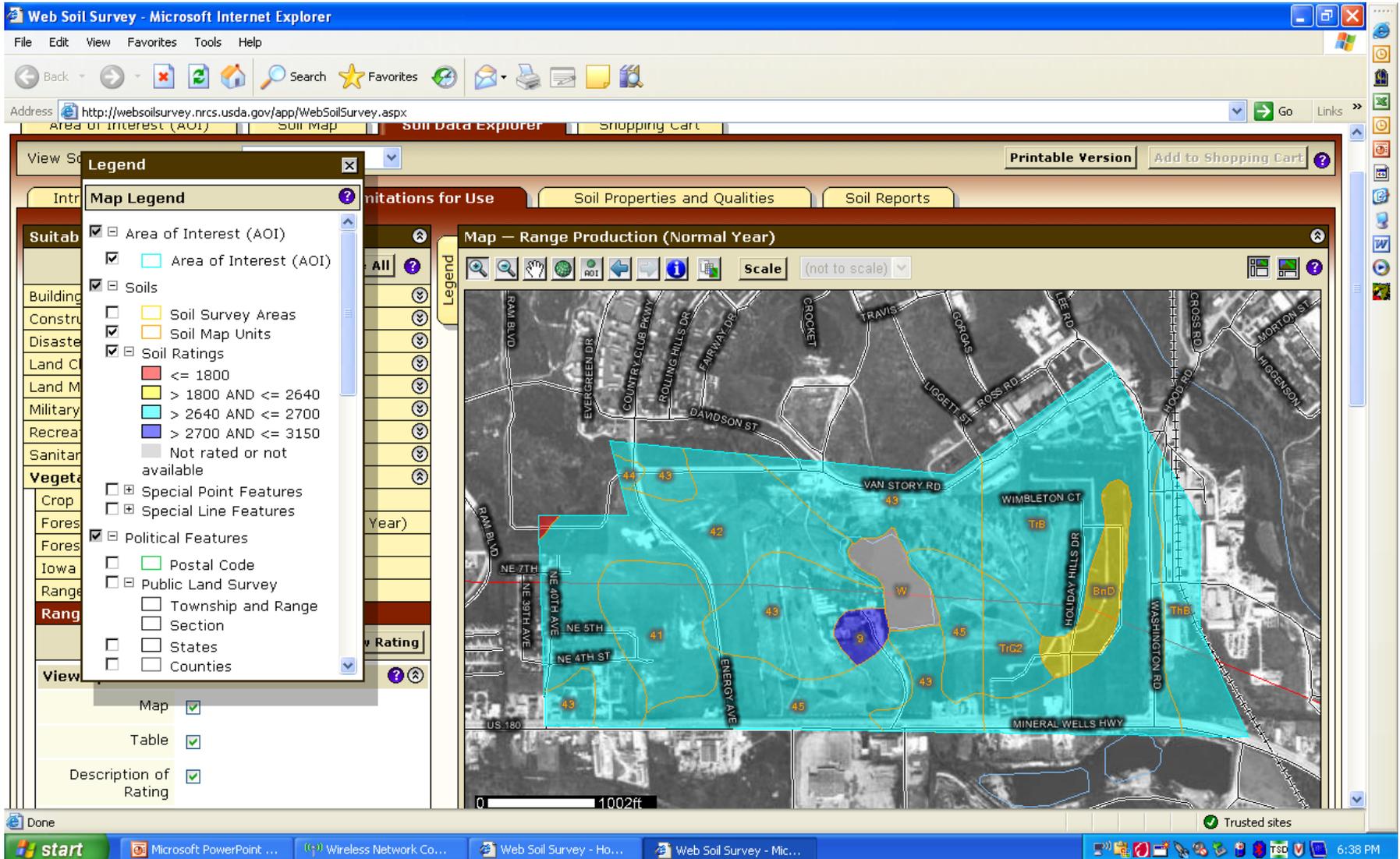
Description — Range Production (Normal Year)

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.

[Close](#)

Forage Production Map



Forage Production Report

Web Soil Survey - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

| Map unit symbol | Map unit name | Rating (pounds per acre per year) | Acres in AOI | Percent of AOI |
|-----------------|---|-----------------------------------|--------------|----------------|
| 9 | Bonti fine sandy loam, 1 to 3 percent slopes | 3150 | 4.5 | 1.2% |
| 31 | Owens very stony clay, 1 to 8 percent slopes | 1800 | 0.5 | 0.1% |
| 41 | Thurber clay loam, 0 to 1 percent slopes | 2700 | 24.3 | 6.7% |
| 42 | Thurber clay loam, 1 to 3 percent slopes | 2700 | 66.1 | 18.2% |
| 43 | Truce fine sandy loam, 1 to 3 percent slopes | 2700 | 78.0 | 21.5% |
| 44 | Truce fine sandy loam, 3 to 5 percent slopes | 2700 | 1.2 | 0.3% |
| 45 | Truce fine sandy loam, 1 to 5 percent slopes, moderately eroded | 2700 | 40.9 | 11.3% |
| W | Water | | 9.2 | 2.5% |

Summary by Map Unit — Parker County, Texas

| Map unit symbol | Map unit name | Rating (pounds per acre per year) | Acres in AOI | Percent of AOI |
|--|---|-----------------------------------|--------------|----------------|
| BnD | Bonti and Truce soils, 1 to 8 percent slopes | 2640 | 13.5 | 3.7% |
| ThB | Thurber clay loam, 1 to 3 percent slopes | 2700 | 22.4 | 6.2% |
| TrB | Truce fine sandy loam 1 to 3 percent slopes | 2700 | 90.8 | 25.0% |
| TrC2 | Truce fine sandy loam, 2 to 5 percent slopes, moderately eroded | 2700 | 11.3 | 3.1% |
| Totals for Area of Interest (AOI) | | | 362.7 | 100.0% |

Description — Range Production (Normal Year)

Total range production is the amount of vegetation that can be expected to grow annually in a well managed area that

Done Trusted sites

start Microsoft PowerPoint ... Wireless Network Co... Web Soil Survey - Ho... Web Soil Survey - Mic... 6:41 PM

Soil Properties and Qualities using Soil Data Explorer

The screenshot displays the Web Soil Survey interface in Microsoft Internet Explorer. The browser title is "Web Soil Survey - Microsoft Internet Explorer" and the address bar shows the URL: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. The interface includes a navigation bar with tabs for "Area of Interest (AOI)", "Map", "Soil Data Explorer", and "Shopping Cart (Free)". Below the navigation bar, there are buttons for "View Soil Information By Use: All Uses", "Printable Version", and "Add to Shopping Cart".

The "Soil Data Explorer" section is active, showing a list of "Properties and Qualities Ratings". The "Soil Chemical Properties" section is expanded, listing various soil properties and qualities. A blue arrow points to the "Soil Properties and Qualities" tab, and another blue arrow points to the "Soil Chemical Properties" section.

The "Soil Map" section displays a grayscale aerial photograph of a field. A blue rectangular box highlights a specific area of interest. Within this box, two orange irregular shapes are labeled "ALE" and "VeG". A scale bar at the bottom left of the map indicates a distance of 287 feet. The map also includes a legend, navigation tools, and a "Scale" dropdown menu set to "(not to scale)".

The bottom of the screenshot shows the Windows taskbar with the Start button, several open applications (Inbox - Micros..., ParkerCo.mxd..., C:\Zone_5_Fil..., Microsoft Pow...), and the system tray displaying the time as 2:07 PM.

Ecological Site Map and Information

The screenshot shows the Web Soil Survey website in Microsoft Internet Explorer. The browser address bar displays <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. The website navigation includes links for Contact Us, Download Soils Data, Archived Soil Surveys, Glossary, Preferences, Logout, and Help. The main content area features a navigation bar with buttons for Area of Interest (AOI), Soil Map, Soil Data Explorer, and Shopping Cart (Free). Below this, there are buttons for View Soil Information By Use (set to All Uses), Printable Version, and Add to Shopping Cart. The Ecological Site Assessment section is highlighted, with a blue arrow pointing to the 'Ecological Site Assessment' button. The map area is titled 'Map — Dominant Ecological Site — Rangeland' and shows a satellite image with a green area labeled 'ALE' and a brown area labeled 'VeG'. A scale bar indicates 287ft. A legend is visible on the left side of the map. Below the map, there is a list of site information for 'R085XY185TX — Shallow 30-38" PZ'. A blue arrow points to this list, which includes the following details:

- This Ecological Site
- 1.1 Tallgrass Prairie Community
- 1.2 Midgrass Prairie Community
- 2.1 Pricklypear/Shrubland Community
- 2.2 Juniper/Mesquite/Brushland Community
- 3.1 Open Seeded Grassland Community

The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Micros..., ParkerCo.mxd..., C:\Zone_5_Fil..., Microsoft Pow...), and the system clock displaying 2:12 PM on 3/19/2008.

Ecological Site- Plant Community Report

Web Soil Survey - Microsoft Internet Explorer

Address: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Search

Ecological Sites

Open All Close All

All Ecological Sites

R085XY179TX — Clay Loam 30-38" PZ

R085XY185TX — Shallow 30-38" PZ

This Ecological Site

1.1 Tallgrass Prairie Community

View Plant Community Info

View Options

Plant Community Photos

Plant Community Description

Plant Community Tables

Annual Production

Plant Species Composition

Plant Growth Curve

View Plant Community Info

1.2 Midgrass Prairie Community

2.1 Pricklypear/Shrubland Community

2.2 Juniper/Mesquite/Brushland Community

3.1 Open Seeded Grassland Community

Plant Community Photos — 1.1 Tallgrass Prairie Community

1.1 Tallgrass Prairie Community



1.1 Tallgrass Prairie Community

Description — 1.1 Tallgrass Prairie Community

Tables — 1.1 Tallgrass Prairie Community

Annual Production (Lbs/Acre)

| Plant Type | Low | Representative Value | High |
|-----------------|--------------|----------------------|--------------|
| Grass/Grasslike | 2,000 | 3,000 | 4,000 |
| Forb | 375 | 528 | 750 |
| Shrub/Vine | 90 | 120 | 180 |
| Tree | 35 | 52 | 70 |
| Totals | 2,500 | 3,700 | 5,000 |

Done

Trusted sites

Start | Inbox - Micros... | ParkerCo.mxd ... | C:\Zone_5_Fil... | Microsoft Pow... | 3 Internet E... | 2:28 PM

Create Custom Report

The screenshot shows a web browser window with the address <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSur>. The page title is "Shopping Cart". The navigation menu includes "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart". The "Check Out" button is located in the top right corner of the main content area.

Report Properties

| Title | |
|----------|--|
| Title | Custom Soil Resource Report for Nueces County, Texas |
| Subtitle | <input type="radio"/> Area of Interest Name: (none defined) <input type="radio"/> Custom Subtitle: <input type="text"/> <input checked="" type="radio"/> None |

Size

| | |
|------------|-----------------|
| Total Size | 968 KB (0.9 MB) |
|------------|-----------------|

Map Options

| | |
|---------------------------|-------------------------------------|
| Show UTM Coordinate Ticks | <input checked="" type="checkbox"/> |
| Map Page Size | A (8.5" x 11") |
| Map Scale | Automatic |

Done Trusted sites

Shopping Cart Options

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. The page content is organized into several sections:

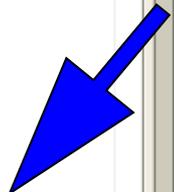
- Title:** Custom Soil Resource Report for Parker County, Texas
- Subtitle:** Radio buttons for "Area of Interest Name: (none defined)", "Custom Subtitle:" (selected), and "None". A text input field contains "Haile Equine Cell System".
- Size:** Total Size 1,479 KB (1.4 MB)
- Map Options:** Map Scale (1:7,920), Printed Sheet Size (B (11" x 17") — 1 sheet), and Show UTM Coordinate Ticks (checked).
- Table of Contents:** A list of report components with checkboxes and file sizes:
 - Custom Soil Resource Report for Parker County, Texas: Haile Equine Cell System (1,479 KB)
 - Cover (518 KB)
 - Preface (3 KB)
 - Contents (0 KB)
 - How Soil Surveys Are Made (5 KB)
 - Soil Map (759 KB)

A callout box with a white background and black border contains the text: "Customize the Report Name, Map scales and printed size, and click on and off the reports you want". A white arrow points from the bottom-left corner of this callout box to the "Table of Contents" section of the page.

The browser's taskbar at the bottom shows the Start button, several open applications (2 Micros..., ParkerCo..., Microsoft ...), and the current browser window (Web Soil ...). The system tray on the right shows the time as 3:46 PM.

Bookmarks

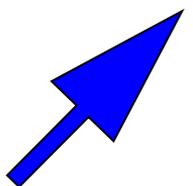
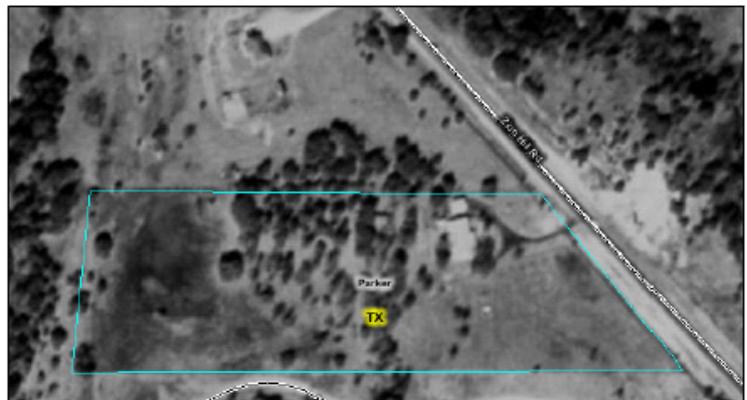
- Cover
- Preface
- Contents
- How Soil Surveys Are Made
- Soil Map
 - Soil Map
 - Legend
 - Map Unit Legend
 - Map Unit Descriptions
 - Parker County, Texas
 - ALE—Aledo association, 1 to 8 percent s
 - VeC—Venus clay loam, 3 to 5 percent slc
- Soil Information for All Uses
 - Ecological Site Assessment
 - Ecological Site Information for: □R085XY179
 - R085XY179TX — Clay Loam 30-38" PZ—
 - Ecological Site Information for: □R085XY186
 - R085XY186TX — Shallow 30-38" PZ— □1
 - Soil Reports
 - Vegetative Productivity
 - Rangeland Productivity and Plant Compos
- References



United States Department of Agriculture
A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Parker County, Texas

Haile Equine Cell System



Printable Version Maps and Reports

The screenshot displays the Web Soil Survey application in Microsoft Internet Explorer. The main interface includes a navigation menu with tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. A dropdown menu for 'View Soil Information By Use:' is set to 'All Uses'. The 'Printable Version' button is highlighted with a blue arrow. A 'Printable Version Options' dialog box is open, showing 'Report Options' and 'Map Options'. The 'Report Options' section includes a title 'Range Production (Normal Year, Texas)', a subtitle 'Equine Cell System', and a 'None' option. The 'Map Options' section includes a 'Map Scale' of '1:7,920', a 'Printed Sheet Size' of 'B (11" x 17") - 1 sheet', and a checked 'Show UTM Coordinate Ticks' option. A 'Warning: Soil Ratings Map may not be valid at this scale.' is displayed at the bottom of the dialog. A speech bubble points to the dialog with the text 'User Chooses Map scale and Size Options'. The background shows a list of 'Suitabilities and Limitations Ratings' with 'Range Production (Normal Year)' selected. The Windows taskbar at the bottom shows the Start button, several open applications, and the system clock at 3:03 PM.

Web Soil Survey - Microsoft Internet Explorer

Address: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Area of Interest (AOI) | Soil Map | **Soil Data Explorer** | Shopping Cart (Free)

View Soil Information By Use: All Uses [Printable Version] [Add to Shopping Cart]

Printable Version Options

Report Options

Title: Range Production (Normal Year, Texas)

Subtitle (optional):

- Area of Interest Name
- Custom Subtitle: Equine Cell System
- None

Map Options

Map Scale: 1:7,920

Printed Sheet Size: B (11" x 17") - 1 sheet

Show UTM Coordinate Ticks:

[Cancel] [View]

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

Tables - Range Production (Normal Year) - Summary By Map Unit

Search

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- Building Site Development
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- Disaster Recovery Planning
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- Land Management
- Military Operations
- Recreational Development
- Sanitary Facilities
- Vegetative Productivity**
- Crop Productivity Index
- Forest Productivity (Cubic Feet per Acre per Year)
- Forest Productivity (Tree Site Index)
- Iowa Corn Suitability Rating
- Range Production (Favorable Year)
- Range Production (Normal Year)**

View Description View Rating

Start | 2 Microsoft ... | ParkerCo.mxd ... | C:\Zone_5_Fil... | Microsoft Pow... | 3 Internet E... | 3:03 PM

Page 1 – Interpretation Map

The screenshot displays the Adobe Acrobat Professional interface. The main window shows a map titled "Range Production (Range Normal Year) Equine Cell System.pdf". The map features a scale bar at the bottom left, a north arrow, and a map title. A blue arrow points to the scale bar and north arrow. A speech bubble contains the text: "Scale, North Arrow, and Map title are shown". The map also includes a coordinate grid and a legend. The interface includes a menu bar, a toolbar, and a sidebar with navigation options like Bookmarks, Signatures, Layers, Pages, Model Tree, Attachments, and Comments. The Windows taskbar at the bottom shows the Start button, several open applications, and the system clock.

Adobe Acrobat Professional - [Range_Production_(Range_Normal_Year)Equine_Cell_System.pdf]

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Select 75% Help

Bookmarks Signatures Layers Pages Model Tree Attachments Comments

Scale, North Arrow, and Map title are shown

Map Scale: 1:7,820 # printed on B size (11" x 17") sheet

0 100 200 400 800 1,600 Meters

0 500 1,000 2,000 3,000 Feet

USDA Natural Resources Conservation Service

Web Soil Survey 2.1 National Cooperative Soil Survey

17.00 x 11.00 in

1 of 3 Adobe Acrobat Professional - [Range_Production_(Range_Normal_Year)Equine_Cell_S

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Adobe Acrobat Professional - [Range_Production_(Range_Normal_Year)Equine_Cell_System.pdf]

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Select 125% Help

Range Production (Normal Year)–Parker County, Texas Equine Cell System

Range Production (Normal Year)

| Range Production (Normal Year)— Summary by Map Unit — Parker County, Texas | | | | |
|--|--|-----------------------------------|--------------|----------------|
| Map unit symbol | Map unit name | Rating (pounds per acre per year) | Acres in AOI | Percent of AOI |
| ALE | Aledo association, 1 to 8 percent slopes | 1800 | 6.4 | 77.0% |
| VeC | Venus clay loam, 3 to 5 percent slopes | 4500 | 1.9 | 23.0% |
| Totals for Area of Interest | | | 8.3 | 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.

8.50 x 11.00 in 3 of 3 3:21 PM

Page 2 is the Map Legend

Page 3 is the Interpretation Report

Adobe Acrobat Professional - [Rangeland_Productivity_and_Plant_Composition.pdf]

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Select 96% Tasks Help

Rangeland Productivity and Plant Composition—Parker County, Texas Equine Cell System

Report—Rangeland Productivity and Plant Composition

| Map unit symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--|---------------------|-----------------------------|-------------|------------------|-------------------------------|-----------------------|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/ac | Lb/ac | Lb/ac | | Pct |
| ALE—Aledo association, 1 to 8 percent slopes | | | | | | |
| Aledo | Shallow 30-38° Pz | 3,000 | 2,000 | 1,800 | Little bluestem | 30 |
| | | | | | Yellow indiagrass | 15 |
| | | | | | Big bluestem | 10 |
| | | | | | Sideoats grama | 10 |
| | | | | | Miscellaneous perennial forbs | 5 |
| | | | | | Texas wintergrass | 5 |
| | | | | | Hairy grama | 5 |
| | | | | | Switchgrass | 5 |
| | | | | | Hairy dropseed | 5 |
| | | | | | Miscellaneous trees | 5 |
| | | | | | Silver bluestem | 5 |
| VeC—Venus clay loam, 3 to 5 percent slopes | | | | | | |
| Venus | Clay Loam 30-38° Pz | 5,000 | 5,000 | 3,000 | Little bluestem | 20 |
| | | | | | Miscellaneous perennial forbs | 15 |
| | | | | | Yellow indiagrass | 15 |
| | | | | | Big bluestem | 10 |

11.00 x 8.50 in 3 of 4 3:25 PM

Notice Report Headings are Customized with Plants and Production in Report

Soil Series Descriptions

Address: <http://soils.usda.gov/>

United States Department of Agriculture
NRCS Natural Resources Conservation Service

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- Soil Lab Data
- Soil Quality
- Soil Science Glossary
- Soil Series Extent Mapping Tool
- Soil Taxonomy
- State Soils
- STATSGO
- MLRA
- Web Soil Survey
- World Soils

Welcome to the NRCS Soils Website.

“Helping People Understand Soils”

Soils is part of the National Cooperative Soil Survey, an effort of Federal and State agencies, universities, and professional societies to deliver science-based soil information.

Introducing Web Soil Survey 2.0
Web Soil Survey is now better than ever! Originally launched in August 2005, the improved version is now available online. Based on user comments, new features have been developed to make the program more responsive and user-friendly. Some new features include a location marker, floating map unit descriptions, transparency layers, a topographic map layer, and the ability to create custom soil resource reports.
[...More Info](#)

NCSS Training Website
A website has been developed to assist National Cooperative Soil Survey (NCSS) soil scientists and their supervisors in identifying training opportunities and resources. Links are provided for schedules, course descriptions, job aids to supplement training, and other helpful topics. GIS-related training includes: (1) GIS fundamentals for all soil scientists; (2) a recommended sequence of GIS-related training, especially for newly hired soil scientists; and (3) training for employees of all soil survey-related offices.
[...More Info](#)

Information For:

- Geographers
- Soil Scientists
- Land Use Managers
- Teachers and Students
- City and County Planners

Trusted sites

Official Soil Series Descriptions (OSD) | NRCS Soils - Windows Internet Explorer

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http://soils.usda.gov/technical/classification/osd/index.html

Official Soil Series Descriptions (OSD) | NRCS Soils

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Soil Classification
Soil Taxonomy
Keys to Soil Taxonomy
Official Soil Series Descriptions (OSD)
Soil Classification Database (SC)
Distribution Maps of Dominant Soil Orders
International Taxonomy Committees
Soil Taxonomy Forum
Rationale for Concepts in Soil Taxonomy

Official Soil Series Descriptions (OSD) with series extent mapping capabilities

[Introduction](#)

[OSD Fact Sheet](#)

Database Access

The following links were updated on 09/29/2010. If you have bookmarks to the old links, please update them to these.

- [View OSD by Series Name \(with best-match feature\)](#)
- [View OSDs by List of Series Names \(with FTP option\)](#)
- [View OSDs by Query \(with FTP option\)](#)
- [Soil Series Name Search](#)

Recommended Citation

Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Official Soil Series Descriptions. Available online at <http://soils.usda.gov/technical/classification/osd/index.html>. Accessed [month/day/year].

Select by Series Name

Search Options

USDA-NRCS Official Soil Series Descriptions Enter By Name - Windows Internet Explorer

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https://soilseries.sc.egov.usda.gov/osdname.asp Live Search

USDA-NRCS Official Soil Series Descriptions Enter By ...

Official Soil Series Descriptions

USDA-NRCS Soil Survey Division *View by Name*

DIRECTIONS

The following entry field may be used to retrieve an Official Soil Series Description or a Series Extent Map. If you enter a complete series name, buttons to choose the Official Soil Series Description or Series Extent Map of the series name will be displayed. If you enter an incorrect or incomplete series name, the best-matched series names will be displayed for your selection.

Enter the Official Soil Series Description name you would like to view. Capitalization does not matter.

Enter Soil Series Name

Find Series Clear Form

Click to Find Soil Series

Soil Series Found From Search

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USDA-NRCS Official Soil Series Descriptions Enter By ...

USDA-NRCS *SC View by Name* Soil Survey Division

NUNN FINE, SMECTITIC, MESIC ARIDIC
ARGIUSTOLLS

Start Over

View Description View Extent Map

Click to View Description

Official Series Description

Official Series Description - NUNN Series - Windows Internet Explorer

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https://soilseries.sc.egov.usda.gov/OSD_Docs/N/NUNN.htm Live Search

Official Series Description - NUNN Series

LOCATION NUNN CO+MT NE SD WY

Established Series
CJH
12/2002

NUNN SERIES

The Nunn series consists of very deep, well drained soils that formed in loess and mixed alluvium. Nunn soils are on terraces or alluvial fans, and in drainageways. Slopes range from 0 to 25 percent. The mean annual precipitation is about 14 inches and the mean annual air temperature is about 48 degrees F.

TAXONOMIC CLASS: Fine, smectitic, mesic Aridic Argiustolls

TYPICAL PEDON: Nunn clay loam - grassland. (Colors are for dry soil unless otherwise noted)

A--0 to 6 inches; grayish brown (10YR 5/2) clay loam, very dark grayish brown (10YR 3/2) moist; moderate medium granular structure; soft, very friable; neutral (pH 7.2); clear smooth boundary. (4 to 8 inches thick)

USDA-NRCS Official Soil Series Descriptions Enter By Name - Windows Internet Explorer

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USDA-NRCS *SC View by Name* Soil Survey Division

NUNN FINE, SMECTITIC, MESIC ARIDIC
ARGIUSTOLLS

Start Over

View Description View Extent Map



Click to View Extent Map

Geographic Extent of the NUNN Soil Series
FINE, SMECTITIC, MESIC ARIDIC ARGIUSTOLLS



Soil Extent Mapping Tool

This application displays interactive national maps of soil series extents based on the land area of mapped soils. The information presented has been created from a snapshot of data extracted from the Soil Data Mart and Soil Classification File Database in June and March of 2007, respectively; regular updates are planned in the future. Due to the update interval and certain assumptions (see methodology) made when assembling the data, these maps are suited for general information exploration and not intended for site-specific investigations. For detailed information regarding soil resources, please contact your local Natural Resources Conservation Service office.

I understand the limitations of the data and wish to view the maps.

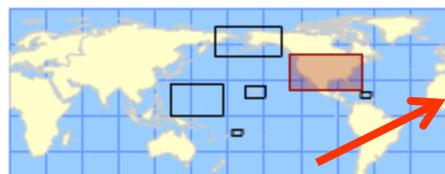
Do not show this message again



Click to view Map

Please fill out our online survey by clicking the  button

388 mi
625 km



SERIES NAME EXACT MATCH | SERIES NAME SEARCH | TAXONOMIC LEVEL | CLASSIFICATION SEARCH

NUNN | MAP SERIES

Hillshade layer visible
 MLRA layer visible

data available | data not available



acres per soil survey area (total = 874577)

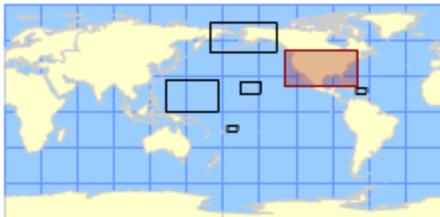
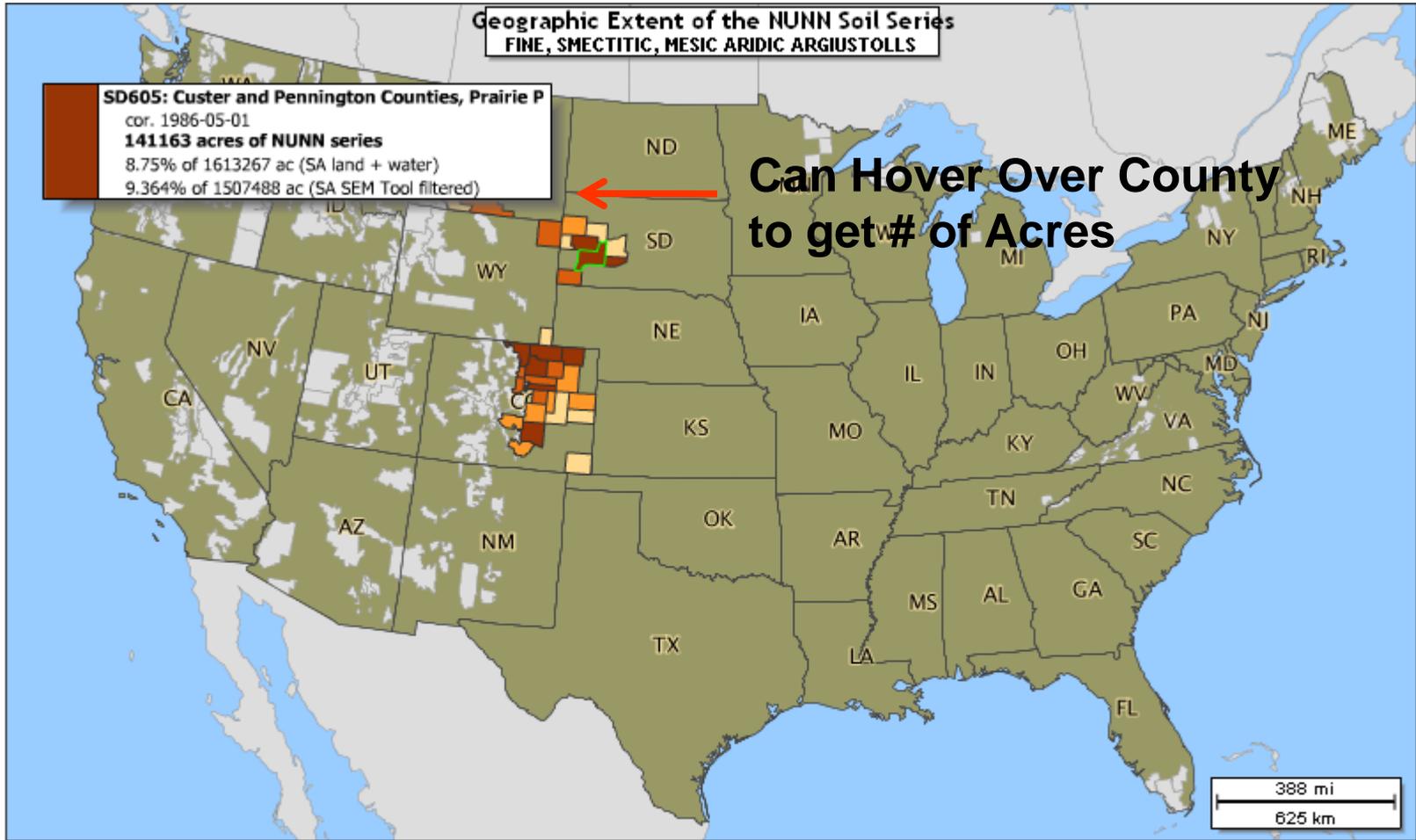
| | | | | |
|--------------------|--------------|---------------|----------------|-----------------|
| Acres not reported | 8543 or less | 8546 to 12062 | 17022 to 29752 | 30802 to 141163 |
|--------------------|--------------|---------------|----------------|-----------------|

Can Change Map Series Search

**Geographic Extent of the NUNN Soil Series
FINE, SMECTITIC, MESIC ARIDIC ARGIUSTOLLS**

SD605: Custer and Pennington Counties, Prairie P
 cor. 1986-05-01
141163 acres of NUNN series
 8.75% of 1613267 ac (SA land + water)
 9.364% of 1507488 ac (SA SEM Tool filtered)

**Can Hover Over County
to get # of Acres**



| | | | | | | | |
|--|---|--|---|----------------|--------------------|--|--|
| SERIES NAME EXACT MATCH | SERIES NAME SEARCH | TAXONOMIC LEVEL | CLASSIFICATION SEARCH | | | | |
| NUNN | | | MAP SERIES | | | | |
| <input type="checkbox"/> Hillshade layer visible | <input type="checkbox"/> MLRA layer visible | <input checked="" type="checkbox"/> Soil Series fill visible | <table border="1"> <tr> <td>data available</td> <td>data not available</td> </tr> <tr> <td></td> <td></td> </tr> </table> | data available | data not available | | |
| data available | data not available | | | | | | |
| | | | | | | | |

acres per soil survey area (total = 874577)

| | | | | |
|--------------------|--------------|---------------|----------------|-----------------|
| | | | | |
| Acres not reported | 8543 or less | 8546 to 12062 | 17022 to 29752 | 30802 to 141163 |