

# Web Soil Survey (WSS) 2.3

## How to Use It

# Web Soil Survey -- purpose

- Web application that provides customers (producers, agencies, Technical Service Providers, and others) electronic access to relevant soil and related information needed to make wise land use & management decisions

# Web Soil Survey -- purpose

- Provides alternative to traditional hardcopy publication
- Provides means for quicker delivery of information
- Provides interactive access to most current data

# Web Soil Survey -- purpose

- Allows customer to get just information they want/select
  - Map units for their geographic area of interest (AOI)
  - Information relevant to their land use concerns – e.g. rangeland or cropland

# WSS Products

- Soil Map on color imagery or topographic map backdrop for the AOI from SSURGO data (where available)
- Soil Data Mart tables by AOI
- Custom Soil Resource Report
- Download of SSURGO data clipped to the limit of the defined AOI

# WSS Products

- Custom Soil Resource Report (PDF) via the free Shopping Cart
  - By AOI
  - Soil map, map unit legend, map unit descriptions
  - Content specifically chosen by user
    - Thematic Maps (with tables and text)
    - Tabular data tables
    - Introductory material

# Pathway through WSS

- Define area of interest – you must specifically set the AOI before you can view any maps or reports
- View Soil Map – if available for AOI
- Browse/Explore soil data and related information
  - Generate thematic maps
  - Access Soil Data Mart data tables
- Build custom soil resource report in Shopping Cart
- Print/download the selected map or report

# WSS 2.3 Homepage



USDA United States Department of Agriculture  
Natural Resources Conservation Service

## Web Soil Survey

Home About Soils Help Contact Us

You are here: Web Soil Survey Home

### Search

Enter Keywords

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
- Soil Quality
- Soil Geography

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



- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey — will Web Soil Survey work in my web browser?
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

### Welcome to Web Soil Survey (WSS)

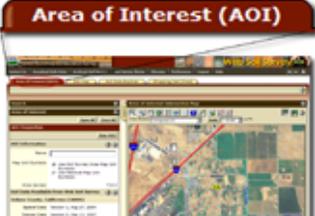


Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 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.

### Four Basic Steps

**1** Define.

**Area of Interest (AOI)** Use the Area of Interest tab to define your area of interest.



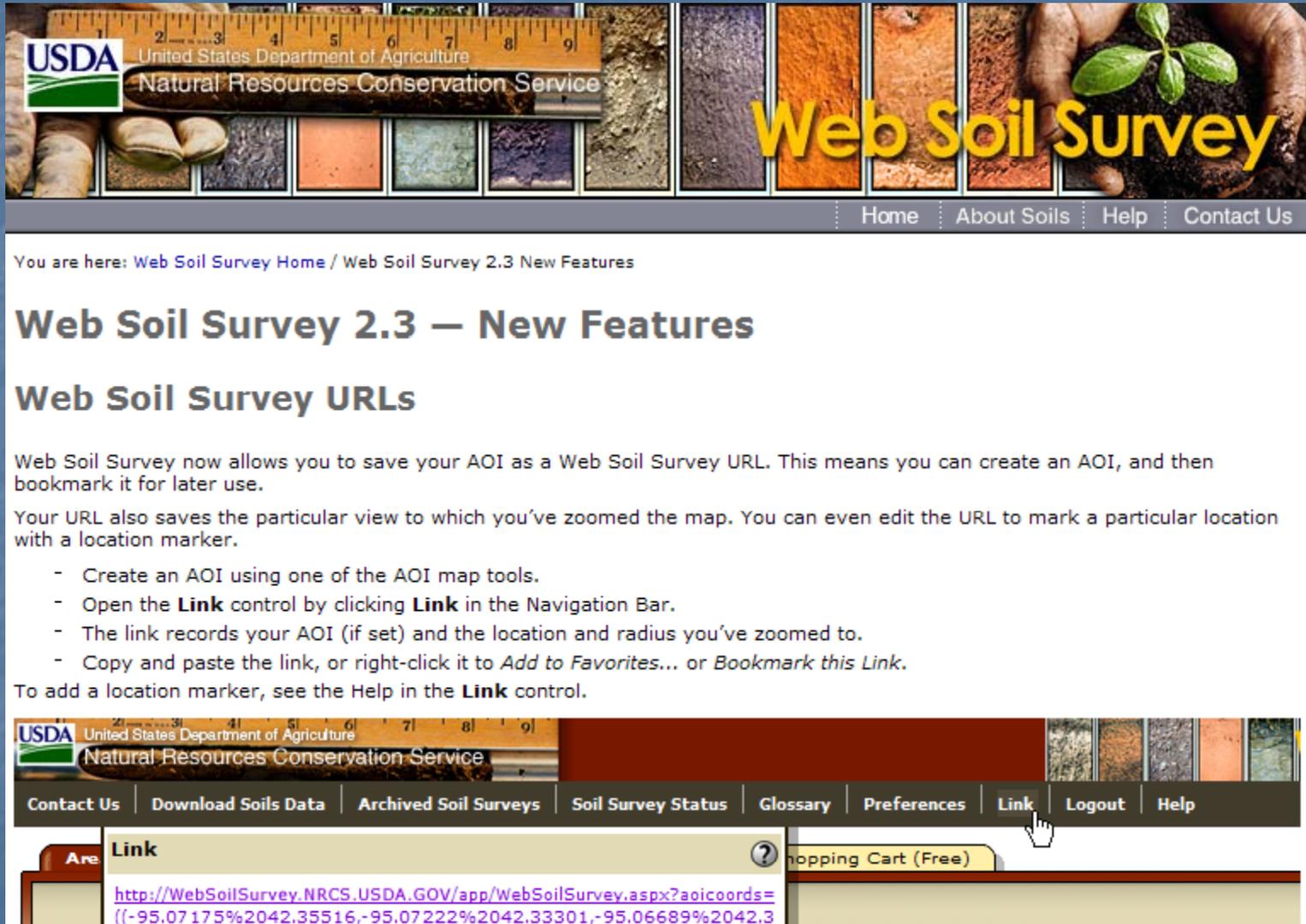
### Announcements/Events

- Web Soil Survey 2.3 has been released! View description of new features.
- Web Soil Survey Release History

### I Want Help With...

- How to use Web Soil Survey
- How to use Web Soil Survey Online Help
- Known Problems and

# View List of New Features



USDA United States Department of Agriculture  
Natural Resources Conservation Service

## Web Soil Survey

Home About Soils Help Contact Us

You are here: [Web Soil Survey Home](#) / [Web Soil Survey 2.3 New Features](#)

### Web Soil Survey 2.3 – New Features

#### Web Soil Survey URLs

Web Soil Survey now allows you to save your AOI as a Web Soil Survey URL. This means you can create an AOI, and then bookmark it for later use.

Your URL also saves the particular view to which you've zoomed the map. You can even edit the URL to mark a particular location with a location marker.

- Create an AOI using one of the AOI map tools.
- Open the **Link** control by clicking **Link** in the Navigation Bar.
- The link records your AOI (if set) and the location and radius you've zoomed to.
- Copy and paste the link, or right-click it to *Add to Favorites...* or *Bookmark this Link*.

To add a location marker, see the Help in the **Link** control.

Contact Us Download Soils Data Archived Soil Surveys Soil Survey Status Glossary Preferences **Link** Logout Help

Are **Link** ? Shopping Cart (Free)

[http://WebSoilSurvey.NRCS.USDA.GOV/app/WebSoilSurvey.aspx?aoicoords=\(\(-95.07175%2042.35516,-95.07222%2042.33301,-95.06689%2042.3](http://WebSoilSurvey.NRCS.USDA.GOV/app/WebSoilSurvey.aspx?aoicoords=((-95.07175%2042.35516,-95.07222%2042.33301,-95.06689%2042.3)

- Scroll down the screen to see all new features

# New Features in WSS 2.3

- Export your AOI boundary to your local computer for reuse in a later WSS session.
- Import an AOI boundary file – either saved from an earlier WSS session, or created in some other application.
- Zoom to coordinates of a desired AOI by embedding them in the URL in your browser window.
- Set the AOI to coordinates embedded in the URL in your browser window.
- Save a link/bookmark to an AOI for use in a later WSS session.
- Navigate by street address and county/state for U.S. territories.
- Enter latitude and longitude coordinates all on one line, in various formats.

# WSS Opening Screen

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

**Search**

**Area of Interest**

Import AOI

**Quick Navigation**

- 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

**Area of Interest Interactive Map**

View Extent: Contiguous U.S.

Scale: 1:21,100,000 ± 1 %

0 484mi

# Set User Preferences

The screenshot displays the USDA Web Soil Survey interface. The top navigation bar includes links for Contact Us, Download Soils Data, Archived Soil Surveys, Soil Survey Status, Glossary, Preferences, Link, Logout, and Help. The 'Preferences' link is highlighted with a teal arrow. The 'Application Preferences' dialog box is open, showing the following options:

- Remember preferences after the end of this session:
- Show Maps by Default:
- Open Links and PDFs in External Windows:
- Color Scheme:
  - Soil
  - Windows
  - Forest

Buttons at the bottom of the dialog include Cancel, Reset Defaults, and Save Preferences. The background shows a map of the United States with state abbreviations and a red network of lines. A scale bar indicates 0 to 484 miles.

- View PDFs and links in the same browser window as WSS, or in different window.
- Choose "Soils," "Windows" or "Forest" color scheme.

# View Other Geographic Areas

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help

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

**Search**

**Area of Interest**

Import AOI

**Quick Navigation**

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

**Area of Interest Interactive Map**

Legend

View Extent

Scale 1:2

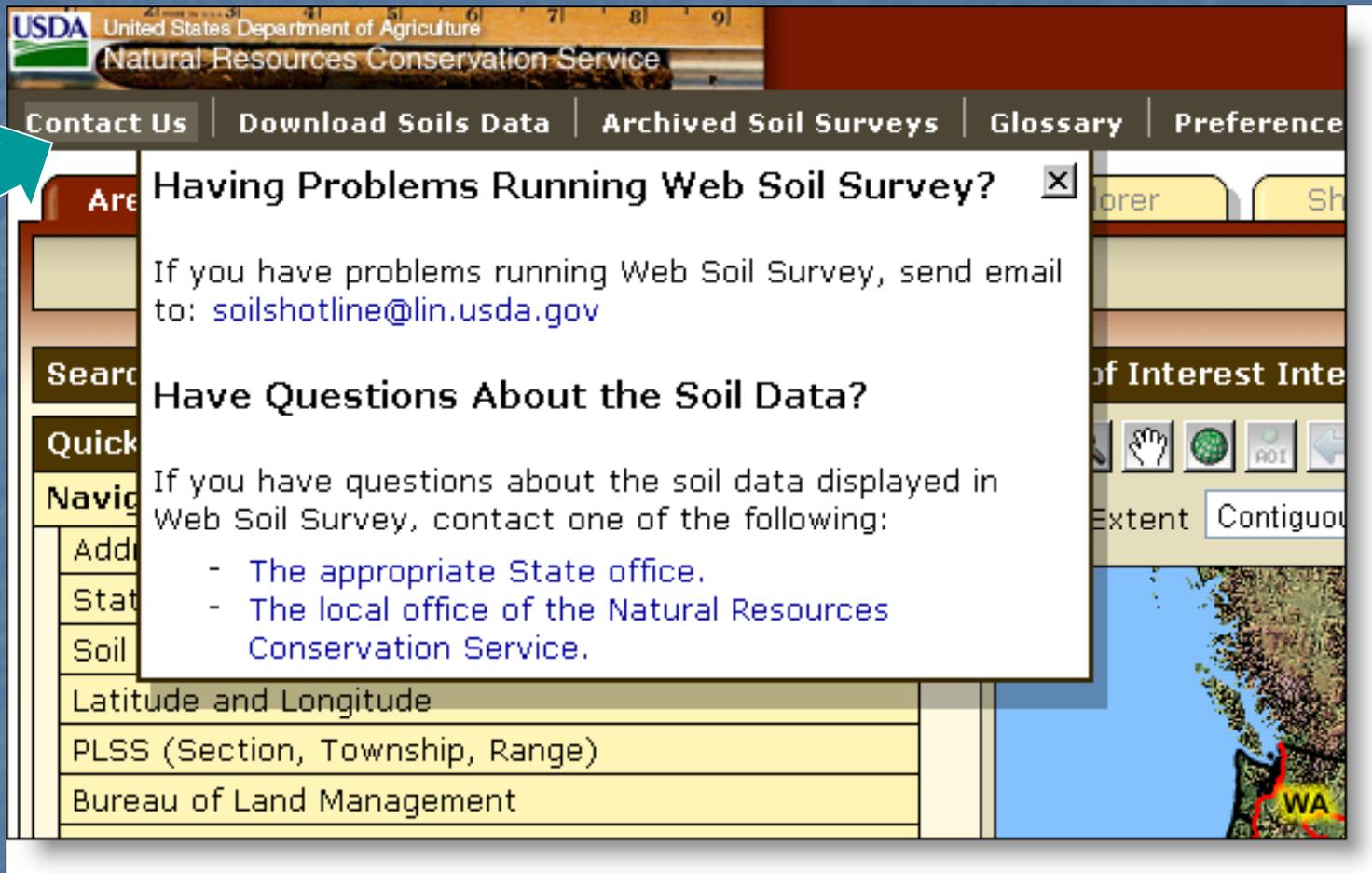
- Contiguous U.S.
- Alaska
- Hawaii
- Pacific Basin**
- American Samoa
- Federated States of Micronesia
- Guam
- Marshall Islands
- Palau
- Northern Mariana Islands
- Puerto Rico
- Virgin Islands

# Get Online Help

The screenshot shows the USDA Web Soil Survey interface. At the top, the USDA logo and 'Natural Resources Conservation Service' are visible. A navigation bar includes links for 'Contact Us', 'Download Soils Data', 'Archived Soil Surveys', 'Soil Survey Status', 'Glossary', 'Preferences', 'Link', 'Logout', and 'Help'. Below this, there are tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. The main content area is divided into a left sidebar and a right map area. The sidebar contains a 'Search' section, an 'Area of Interest' section with an 'Import AOI' button, a 'Quick Navigation' section, and an 'Address' section with input fields for 'Address', 'City', 'State', and 'Zip Code', a 'View' button with a question mark, and a 'Show location marker' checkbox. The map area is titled 'Area of Interest Interactive Map' and features a legend, a toolbar with various map controls, a 'View' dropdown menu set to 'Contiguous U.S.', and a scale of '1:21,100,000 ± 1 %'. The map itself shows the United States with state boundaries and a red network of lines. Three teal arrows point to help icons: one to the 'View' button in the address section, one to the 'Help' link in the top navigation bar, and one to a question mark icon in the top right corner of the map area.

- Click on Help or a “?” for online help.

# More ways to get Help



The screenshot shows the USDA Natural Resources Conservation Service website. A teal arrow points to the 'Contact Us' link in the top navigation bar. A pop-up window titled 'Having Problems Running Web Soil Survey?' is open, providing contact information for users experiencing issues. Below the pop-up, there are sections for 'Have Questions About the Soil Data?' and a search/navigation area with a map of Washington state.

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys | Glossary | Preference

**Having Problems Running Web Soil Survey?**

If you have problems running Web Soil Survey, send email to: [soilshotline@lin.usda.gov](mailto:soilshotline@lin.usda.gov)

**Have Questions About the Soil Data?**

If you have questions about the soil data displayed in Web Soil Survey, contact one of the following:

- [The appropriate State office.](#)
- [The local office of the Natural Resources Conservation Service.](#)

Search  
Quick  
Navigation  
Add  
State  
Soil  
Latitude and Longitude  
PLSS (Section, Township, Range)  
Bureau of Land Management

Extent Contiguous  
WA

- Click on "Contact Us".

# View Map at Full Screen Width

The screenshot displays an interactive map application titled "Area of Interest Interactive Map". The interface includes a toolbar with navigation tools (pan, zoom, home, etc.), a "View Extent" dropdown menu set to "Continental U.S.", and a "Scale" dropdown menu set to "(not to scale)". A teal arrow points to the full-screen icon in the top right corner of the map window.

Below the map, there is a "Quick Navigation" section with a "Navigate By..." dropdown menu. The menu options are:

- Address
- State and County
- Soil Survey Area

A scale bar at the bottom left of the map indicates a distance of 402.6 miles.

# Floating Windows

The screenshot displays the USDA Natural Resources Conservation Service website. At the top, there is a navigation bar with links: Contact Us, Download Soils Data, Archived Soil Surveys, Soil Survey Status, Glossary, Preferences, Link, Logout, and Help. Below this is a secondary navigation bar with buttons for Area of Interest (AOI), Soil Map, Soil Data Explorer, and Shopping Cart (Free). The main content area is titled "Area of Interest Interactive Map" and includes a search bar, a "View Extent" dropdown set to "Contiguous U.S.", and a "Scale" dropdown set to "1:21,100,000 ± 1 %". A map of the United States is shown with state boundaries and a red outline indicating the current area of interest. A "Map Legend" window is floating over the map, listing various map features and their corresponding symbols. A large teal arrow points from the legend window towards the map, indicating its position and movement.

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help

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

Search

Area of Interest

Import AOI

Quick Navigation

Address

View ?

Map Legend

Map Legend

- Area of Interest (AOI)
- Area of Interest (AOI)
- Location Marker
- Soils
  - Soil Survey Areas
  - Soil Map Units
  - Soil Ratings
  - Special Point Features
  - Special Line Features
- Political Features
  - States
  - Counties
  - Urban Areas
  - Cities

Address

City

State

Zip Code

Show location marker

State and County

Soil Survey Area

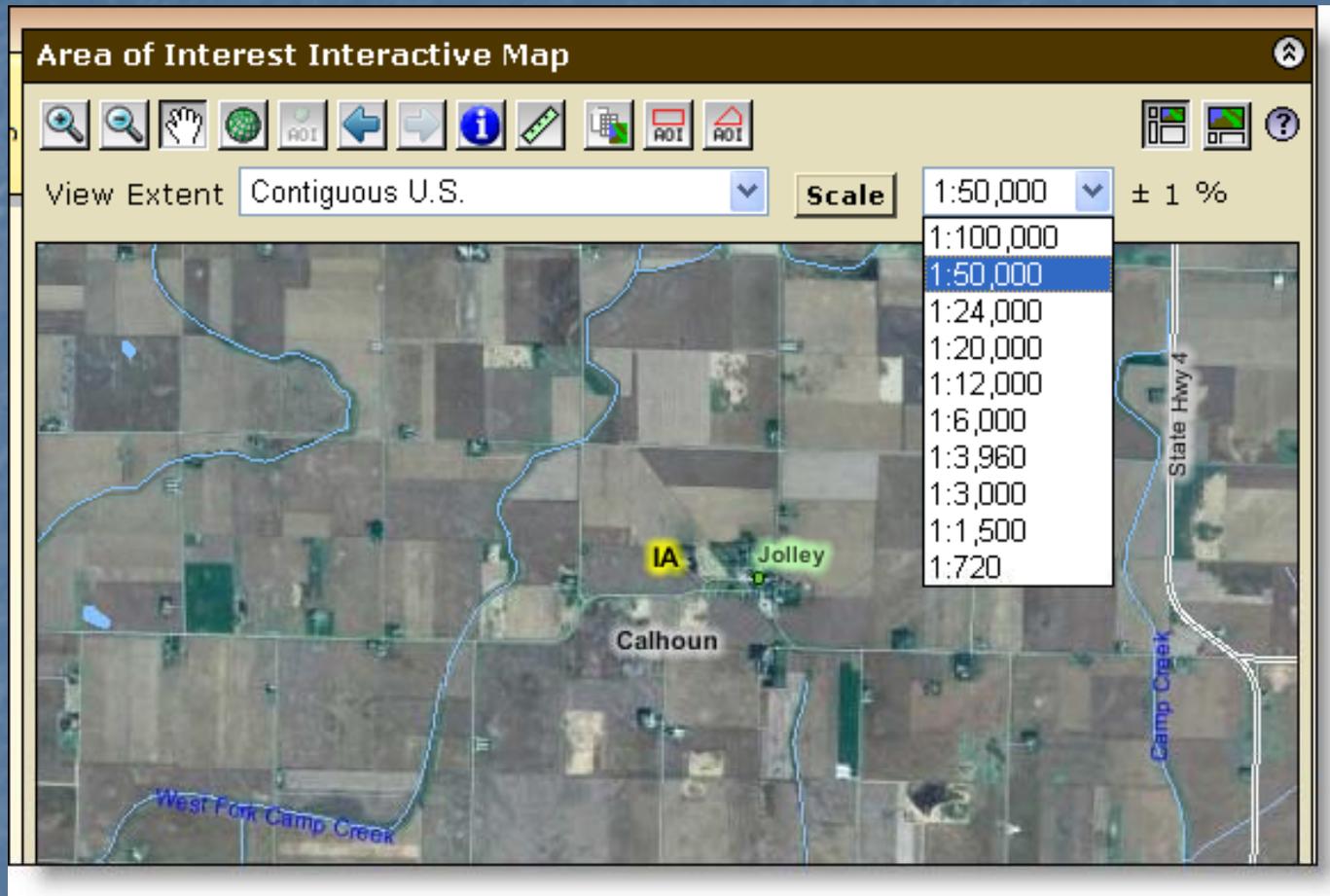
Latitude and Longitude

View Extent: Contiguous U.S.

Scale: 1:21,100,000 ± 1 %

- You can click and drag the Map Legend window around wherever you want.

# Set Viewable Map Scale



- First calibrate your monitor by clicking Scale button
- Use the map scale feature to see the scale you've zoomed to and to change to a different map scale.

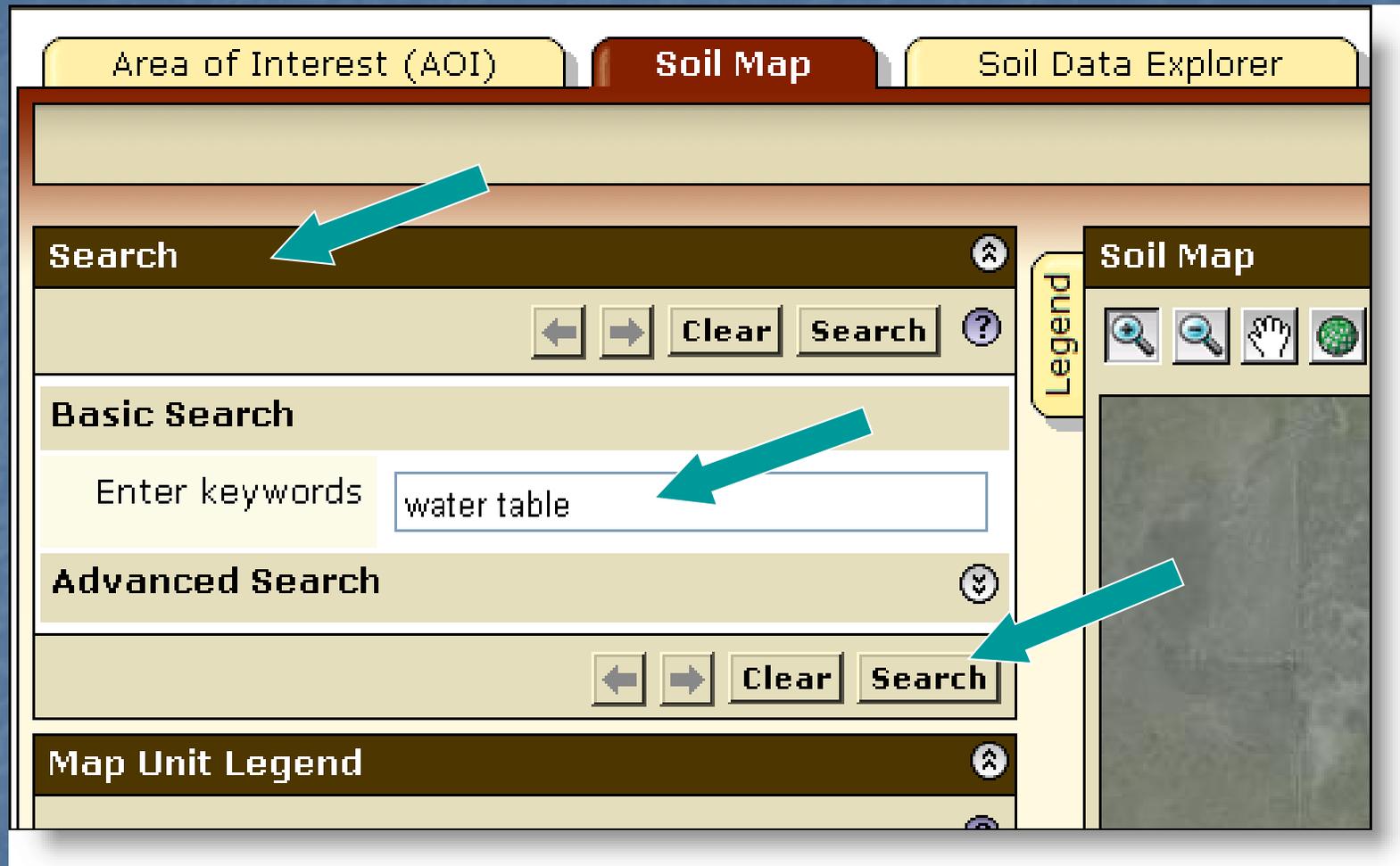
# Identify Tool

The screenshot shows a GIS application window titled 'Area of Interest Interactive Map'. On the left is a 'Map Legend' panel with various layers. The main map area shows an aerial photograph of a rural landscape with labels for 'Jolley', 'Calhoun', and 'IA'. A yellow crosshair marker is placed on the map. At the bottom is an 'Identify' window showing a table of attributes for the selected layer.

Map Layer - Aerial Photography	
Attribute Name	Attribute Value
Date aerial image was photographed	9/25/2006

- 1) Highlight the desired data layer, 2) click the identify tool. 3) Marker identifies the point you clicked on. 4) See the Attribute Value for information on the layer – e.g. date of photography.

# Search Function



- Click Search title bar to open it; enter key word(s); click Search button

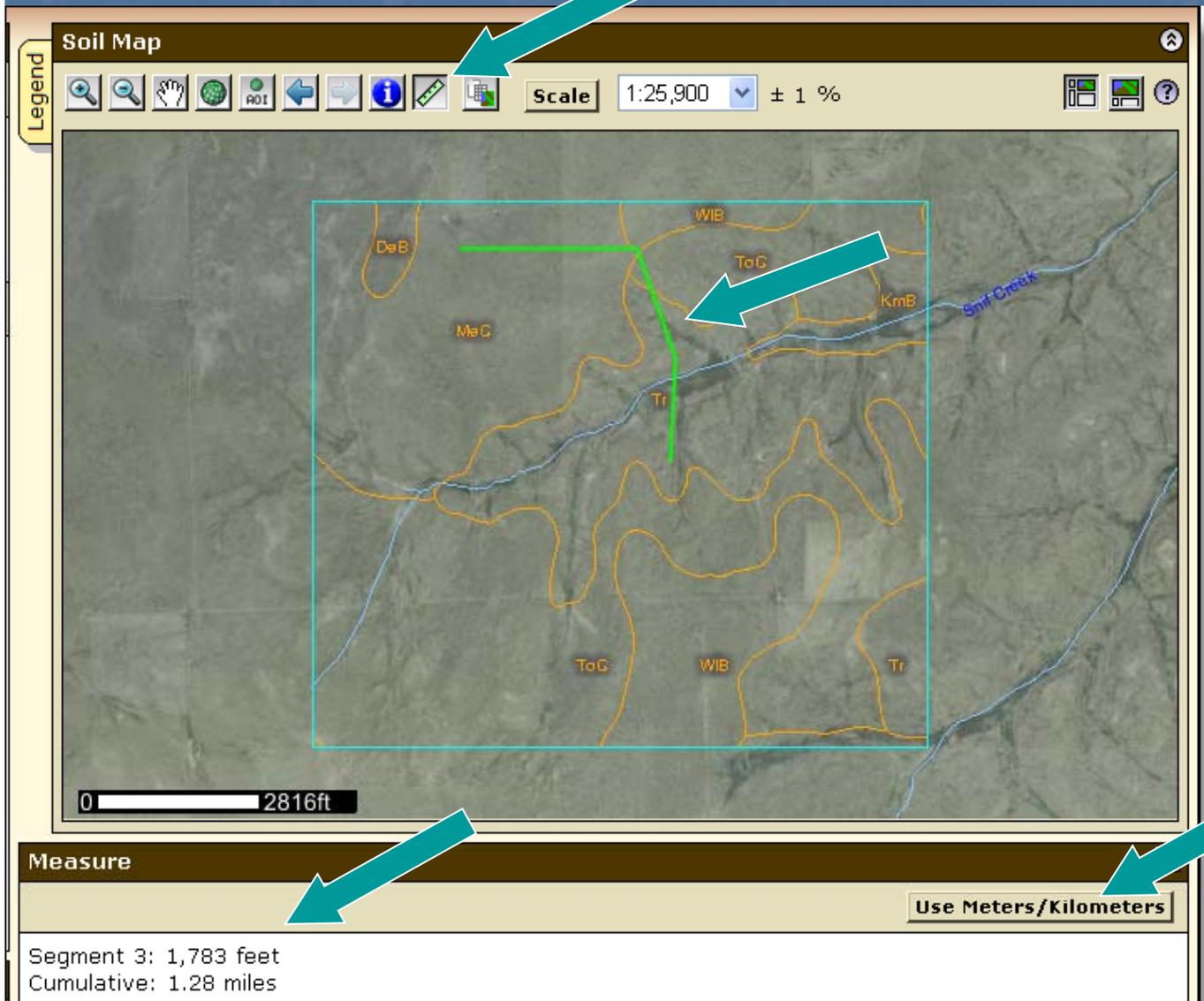
# Search Results

The screenshot shows a search interface with the following components:

- Search Header:** Includes navigation arrows, a 'Clear' button, a 'Search' button, and a help icon.
- Basic Search:** A text input field containing 'water table'.
- Advanced Search:** A section with a dropdown arrow and its own navigation and search controls.
- Results Summary:** A line indicating **"water table": 113 matches.**
- Search Results List:** A tree view of results with the following items:
  - Suitabilities and Limitations for Use** 50 matches
  - Matched the Rating Description 50 matches
  - Soil Properties and Qualities** 6 matches
    - Matched the Folder description 1 match
      - [Water Features](#)
    - Matched the Rating name 1 match
      - [Water Features:Depth to Water Table](#)
    - Matched the Rating Description 3 matches
      - [Soil Qualities and Features:Frost Action](#)
      - [Soil Qualities and Features:Hydrologic Soil Group](#)
      - [Water Features:Depth to Water Table](#)
  - Matched Help 1 match

- Search results are displayed with links to parts of Web Soil Survey where the key word(s) can be found
- Click on a link to go to that section.

# Linear Measuring Tool



- Click ruler tool button
- Click to begin and end linear segments
- Segment length and cumulative length displayed
- Choose metric or English

# Area of Interest (AOI) Features

- Navigate to an AOI using basic map navigation themes
  - Transportation
  - Ortho photo
  - Hydrography
  - Political features
- Use available zoom in/out tools

# Area of Interest Features, cont.

- Navigate to an AOI using selection criteria:
  - Street address
  - State and County
  - Soil Survey Area
  - Latitude and Longitude
  - PLSS (Township, Range and Section)
  - Federal Land Boundaries
  - Hydrologic Unit
  - Embed coordinate(s) in URL

# Area of Interest Features, cont.

- Define an AOI by
  - Drawing a polygon on a map
    - expanding rectangle, or
    - digitize multi-sided polygon
  - Selecting a soil survey area
  - Importing an AOI boundary file
  - Embedding bounding coordinates in URL
- Clear AOI

# Area of Interest Features, cont.

- Display data available for defined AOI
  - Soil data – from Soil Data Mart
  - Soil maps – from Soil Data Mart
- Name your AOI (optional)
- Save your AOI for later use either by exporting the boundary file, or by saving a link/bookmark to it in your browser.
- Choose either standard or national map unit symbols

# Locate Area of Interest (AOI)

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Web Soil Survey

Contact Us | Download Soils Data | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help

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

Search

Area of Interest

Import AOI

Quick Navigation

- 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

Area of Interest Interactive Map

View Extent: Contiguous U.S.

Scale: 1:21,100,000 ± 1 %

0 484mi

The image shows a screenshot of the USDA Web Soil Survey interface. On the left, there is a search and navigation panel with a teal arrow labeled 'Select' pointing to the 'Area of Interest' section. The main map area on the right shows a map of the contiguous United States with state boundaries and a red outline representing an Area of Interest (AOI). A teal arrow labeled 'Zoom' points to the map's toolbar, and another teal arrow labeled 'Draw' points to the 'Draw' button in the toolbar. The map includes a scale bar at the bottom left indicating 484 miles.



# View by Street Address

The screenshot displays the USDA Web Soil Survey interface. At the top, the USDA logo and 'Web Soil Survey' title are visible. Below the header, there are navigation links: Contact Us, Download Soils Data, Archived Soil Surveys, Soil Survey Status, Glossary, Preferences, Link, Logout, and Help. The main content area is divided into several sections:

- Area of Interest (AOI)**: Includes tabs for Soil Map, Soil Data Explorer, and Shopping Cart (Free).
- Search**: A dropdown menu.
- Area of Interest**: Includes an 'Import AOI' button.
- Quick Navigation**: Includes a 'View' button with a help icon.
- Address**: A form with fields for Address (11000 rocky ridge rd), City, State, and Zip Code (68526). A 'Show location marker' checkbox is checked. A 'View' button is located below the form.
- Area of Interest Interactive Map**: A map showing a satellite view of a rural area. The map includes a legend, a 'View Extent' dropdown set to 'Contiguous U.S.', and a 'Scale' of 1:6,910 ± 1%. A yellow location marker is placed on the map near the intersection of Rocky Ridge Ct and Lancaster, with the label 'NE' next to it. A teal arrow points from the 'View' button in the search form to the map, and another teal arrow points from a 'Location marker' label to the yellow marker.

Below the search form, there are several tabs for additional information:

- 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

# Manage Displayed Data Layers

The screenshot displays the USDA Natural Resources Conservation Service web application interface. At the top, there is a navigation bar with links for 'Contact Us', 'Download Soils Data', 'Archived Soil Surveys', 'Soil Survey Status', 'Glossary', 'Preferences', 'Link', 'Logout', and 'Help'. Below this, there are tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. The main content area is titled 'Area of Interest Interactive Map'. On the left side, there is a 'Map Legend' window with a search bar and a list of layers. The layers include 'Area of Interest (AOI)', 'Location Marker', 'Soils', 'Political Features', and 'Federal Land'. The 'Political Features' section is expanded, showing 'States', 'Counties', 'Cities', 'Postal Code', 'PLSS Township and Range', and 'PLSS Section'. The 'Cities' layer is checked, and a red arrow points to it. The main map area shows an aerial view of a rural area with roads and fields. A red arrow points to the 'Legend' tab in the top right corner of the map area. The map includes a scale of 1:6,910 and a view extent of 'Contiguous U.S.'.

- Open Legend tab
- Turn layers on or off by checking or unchecking box at left

# Navigate to AOI by County

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help

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

**Search**

**Area of Interest**

Import AOI

**Quick Navigation**

Address

**State and County**

State:

County (optional):

Soil Survey Area

Latitude and Longitude

PLSS (Section, Township, Range)

Bureau of Land Management

Department of Defense

Forest Service

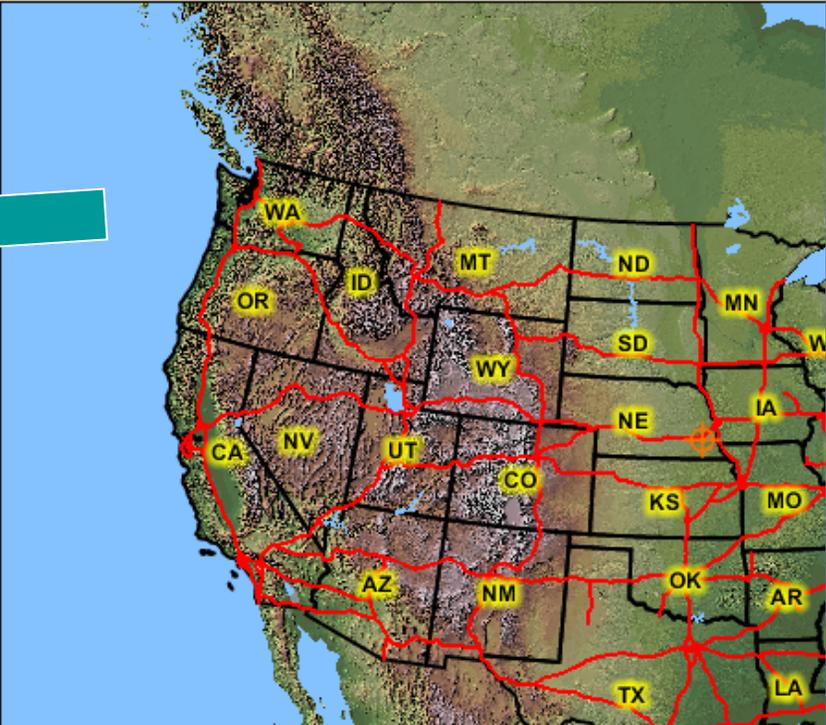
National Park Service

Hydrologic Unit

**Area of Interest Interactive Map**

Legend

Scale: 1:21,100,000



# Navigate by Soil Survey Area

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help

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

**Search** [dropdown]  
**Area of Interest** [dropdown]  
Import AOI [dropdown]

**Quick Navigation** [dropdown]  
Address [text]  
State and County [dropdown]

**Soil Survey Area**

[Set AOI] [View] [?]

State: [Alabama] [dropdown]  
County (optional): [dropdown]  
Soil Survey Area: [Autauga County, Alabama] [dropdown]

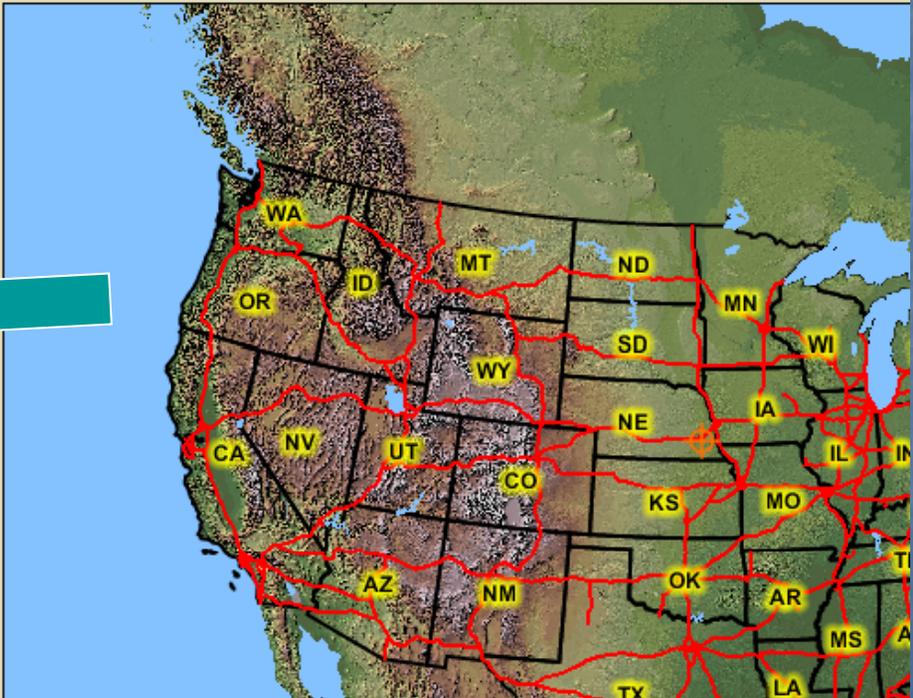
Show **Soil Survey Areas** Layer in Map

[Set AOI] [View]

Latitude and Longitude [text]  
PLSS (Section, Township, Range) [text]  
Bureau of Land Management [text]

**Area of Interest Interactive Map**

Legend [icons]  
View Extent [Contiguous U.S.] [dropdown]  
Scale: 1:21,100,000 [dropdown]



# Navigate by Latitude and Longitude

(see next slide for allowable formats)

The screenshot displays the USDA Web Soil Survey interface. At the top, the USDA logo and 'Natural Resources Conservation Service' are visible. The main navigation bar includes links for 'Contact Us', 'Download Soils Data', 'Archived Soil Surveys', 'Soil Survey Status', 'Glossary', 'Preferences', 'Link', 'Logout', and 'Help'. Below this, there are tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. The 'Area of Interest (AOI)' tab is active, showing a search interface on the left and an 'Area of Interest Interactive Map' on the right. The search interface includes a 'Search' field, 'Area of Interest' options, 'Quick Navigation' (Address, State and County, Soil Survey Area), and a 'Latitude and Longitude' section with a text input field containing '40.8247,-96.7777' and a 'View' button. The 'Area of Interest Interactive Map' shows a satellite view of a rural area with a location marker labeled 'NE' and 'Lancaster'. A scale bar indicates 1:6,910. Two teal callout boxes with arrows point to the input field and the location marker. The first callout box contains the text: 'For a point between 0 and 180 degrees west longitude, enter a negative longitude number.' The second callout box contains the text: 'Location marker'.

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Web Soil Survey

Contact Us Download Soils Data Archived Soil Surveys Soil Survey Status Glossary Preferences Link Logout Help

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

Search

Area of Interest

Import AOT

Quick Navigation

Address

State and County

Soil Survey Area

Latitude and Longitude

View ?

Latitude, Longitude 40.8247,-96.7777

Display location marker

View

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 Contiguous U.S.

Scale 1:6,910 ± 1 %

NE

Lancaster

Vine St

0 897ft

For a point between 0 and 180 degrees west longitude, enter a negative longitude number.

Location marker

# Latitude and longitude coordinates may be entered in the following formats

All coordinates are assumed to be specified with reference to the NAD83 spatial reference. Latitude always comes first, except in the Well-Known Text (WKT) format.

## ■ **Decimal Degrees**

- 46.8075,-100.78306
- 46.80750 N 100.78306 W
- 46.8075~-100.78306
- 46.8075° -100.78306°

## ■ **Degrees/Minutes/Decimal Seconds**

- 46° 48' 27" N, 100° 46' 59.016" W
- 46d 48' 27" N 100d 46' 59.016" W
- 46°48'27"N,100°46'59.016"W
- 46:48:27N 100:46:59.016W

## ■ **Degrees/Decimal Minutes**

- 46° 48.45', -100° 46.9836'

## ■ **GPS**

- N 46 48.45 W 100 46.9836

## ■ **GNIS**

- 464827N 1004659W

## ■ **WKT**

- (-100.78305 46.80749)
- (-100.78305%2046.80749)

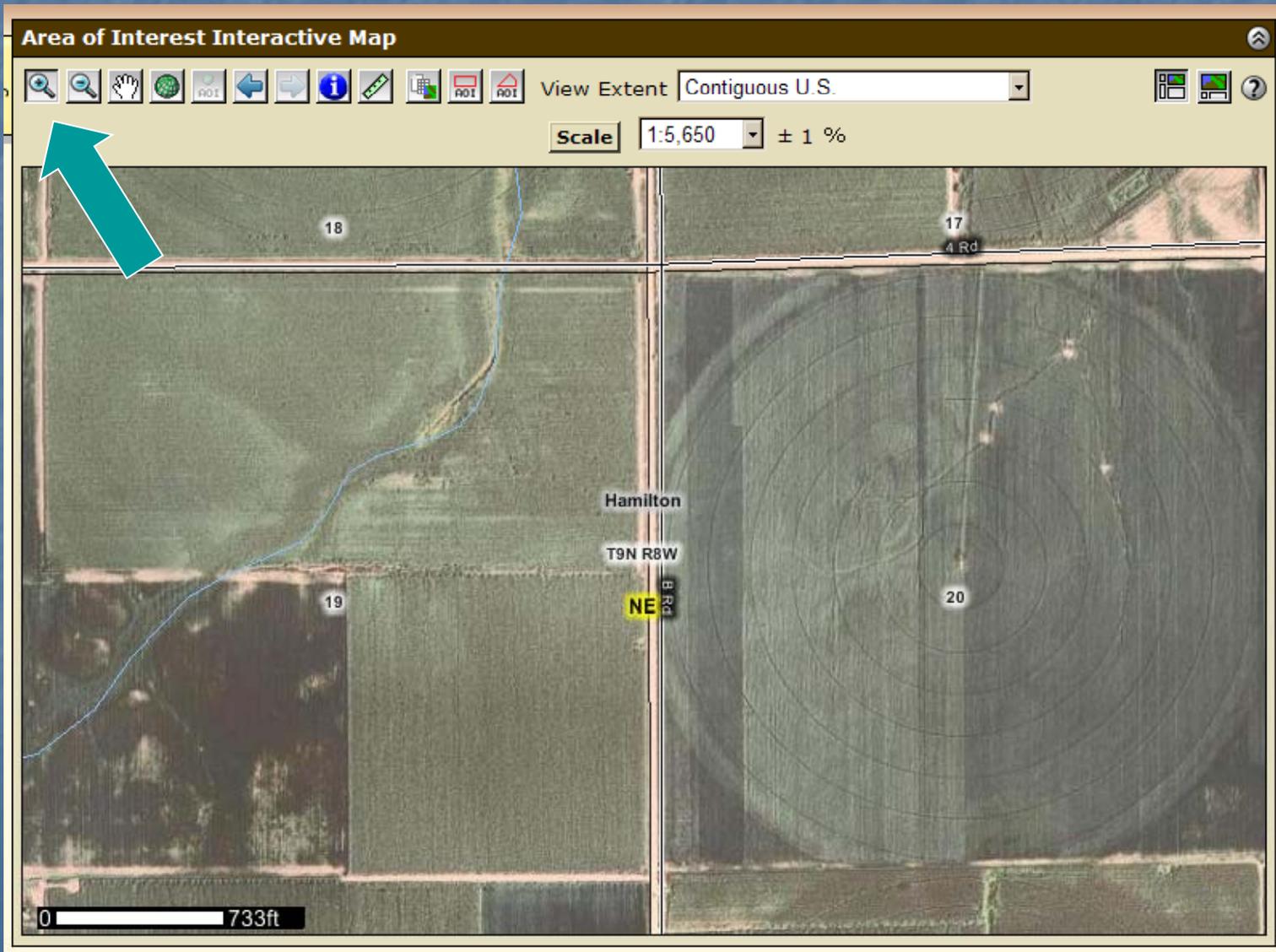
# Navigate by Public Land Survey System (PLSS) (Section, Township and Range)

The screenshot displays the USDA Web Soil Survey interface. At the top, the USDA logo and "Natural Resources Conservation Service" are visible. The main navigation bar includes links for "Contact Us", "Download Soils Data", "Archived Soil Surveys", "Soil Survey Status", "Glossary", "Preferences", "Link", "Logout", and "Help". Below this, there are tabs for "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart (Free)".

The left sidebar contains a "Search" section with a "View" button. Below it is the "Area of Interest" section with an "Import AOI" button. The "Quick Navigation" section includes fields for "Address", "State and County", "Soil Survey Area", and "Latitude and Longitude". The "PLSS (Section, Township, Range)" section is highlighted in red and includes a "View" button. The "State" is set to "Nebraska". The "Principal Meridian" is "Sixth Principal", with a "View Meridian Map" button. The "Section" is "20", "Township" is "9", and "Range" is "8". There are radio buttons for "North" (selected), "South", "East", and "West". A checkbox for "Show PLSS Section and PLSS Township and Range Layers in Map" is checked.

The main content area is titled "Area of Interest Interactive Map". It features a legend, a "View Extent" dropdown set to "Contiguous U.S.", and a "Scale" of "1:11,000 ± 1 %". The map shows a grid of sections with labels "18", "17", "16", "19", "20", "21", "30", "29", and "28". A red rectangle highlights section 20. Text labels on the map include "NE", "T9N R8W", "Hamilton", "4 Rd", "B Rd", and "C Rd". A scale bar at the bottom left indicates "0 1336ft". A teal arrow points from the "Section" input field to the red rectangle on the map.

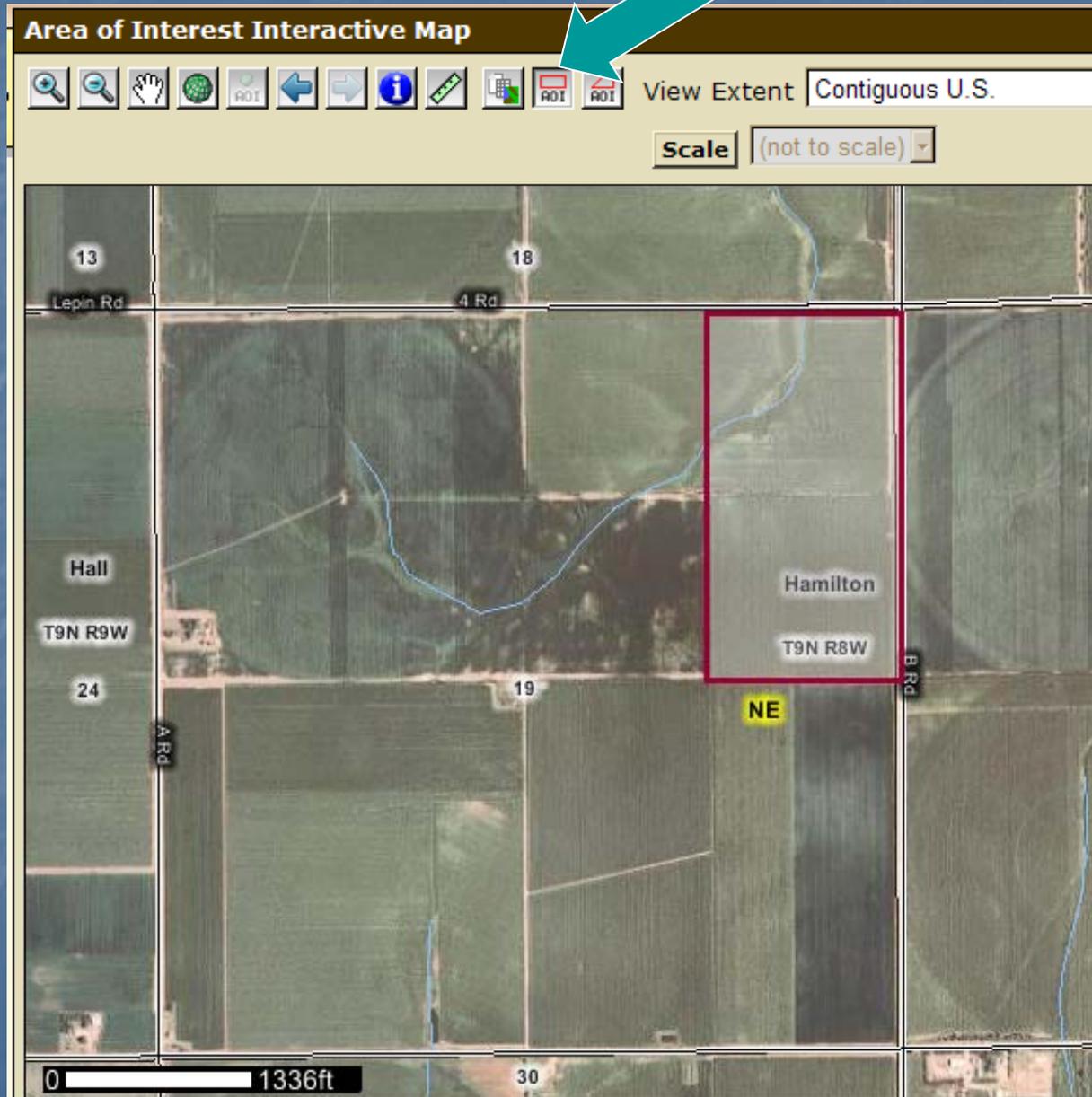
# Zoom In Tool – expanding rectangle



# Define AOI

- Remember - you must specifically set the AOI before you can view any maps or data.
  - Use one of the AOI buttons on toolbar
    - Expanding rectangle
    - Multi-sided polygon
  - Select the area by choosing a Soil Survey Area, then clicking the Set AOI button.
  - Import an AOI boundary file
  - Use previously bookmarked link

# Define AOI – draw rectangle



# Selected AOI

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

**Search**

**Area of Interest** Open All Close All

**AOI Properties** Clear AOI

**AOI Information** ? ↕

Name

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

Area (acres) 87.1

**Soil Data Available from Web Soil Survey** ? ↕

**Hamilton County, Nebraska (NE081)**

Spatial Data Version 2, Dec 11, 2007

Tabular Data Version 8, Oct 30, 2009

Clear AOI

Import AOI ↕

Export AOI ↕

**Quick Navigation** ↕

Address

State and County

Soil Survey Area

Latitude and Longitude

**Area of Interest Interactive Map** ?

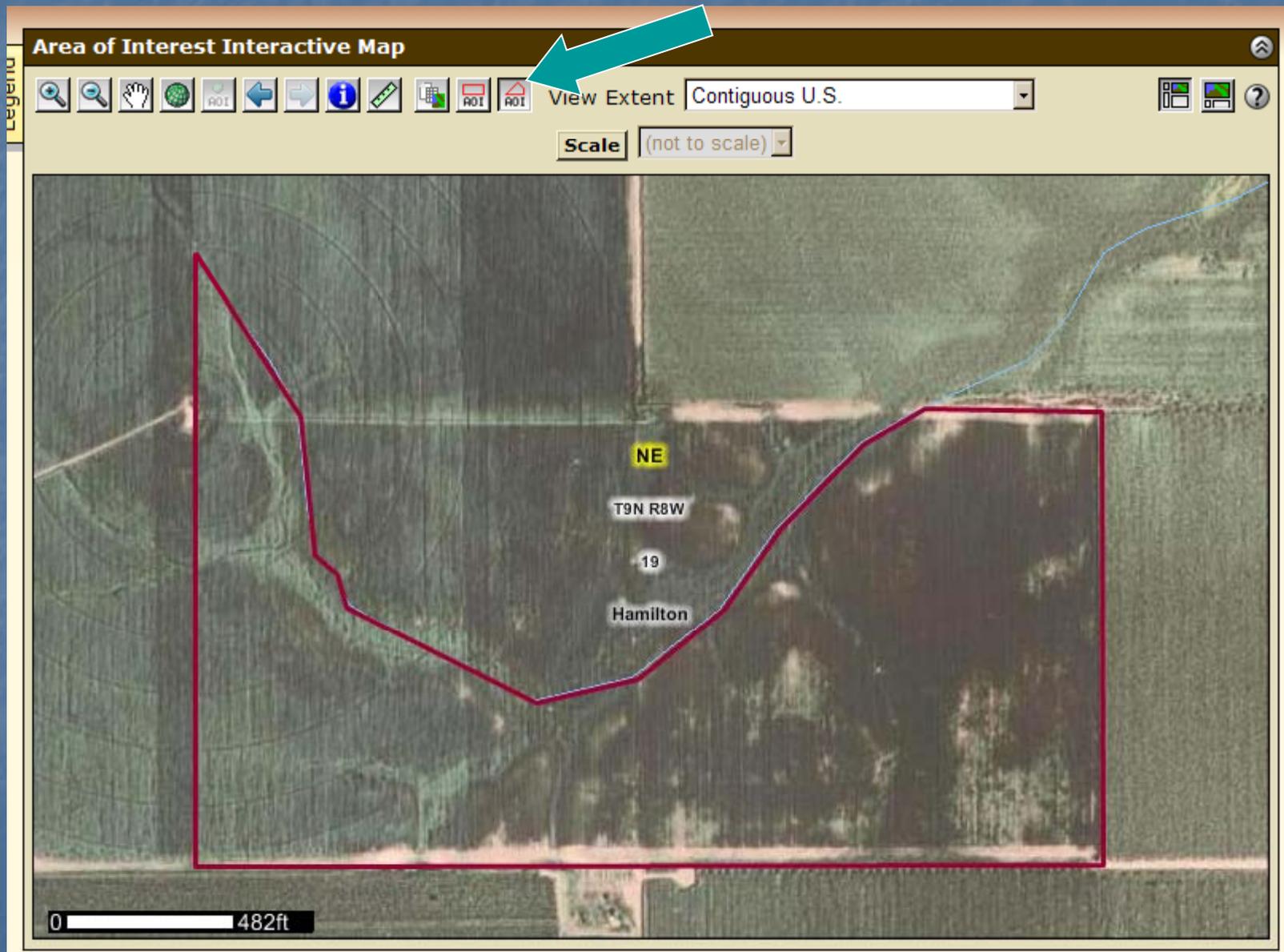
Legend

View Extent Contiguous U.S.

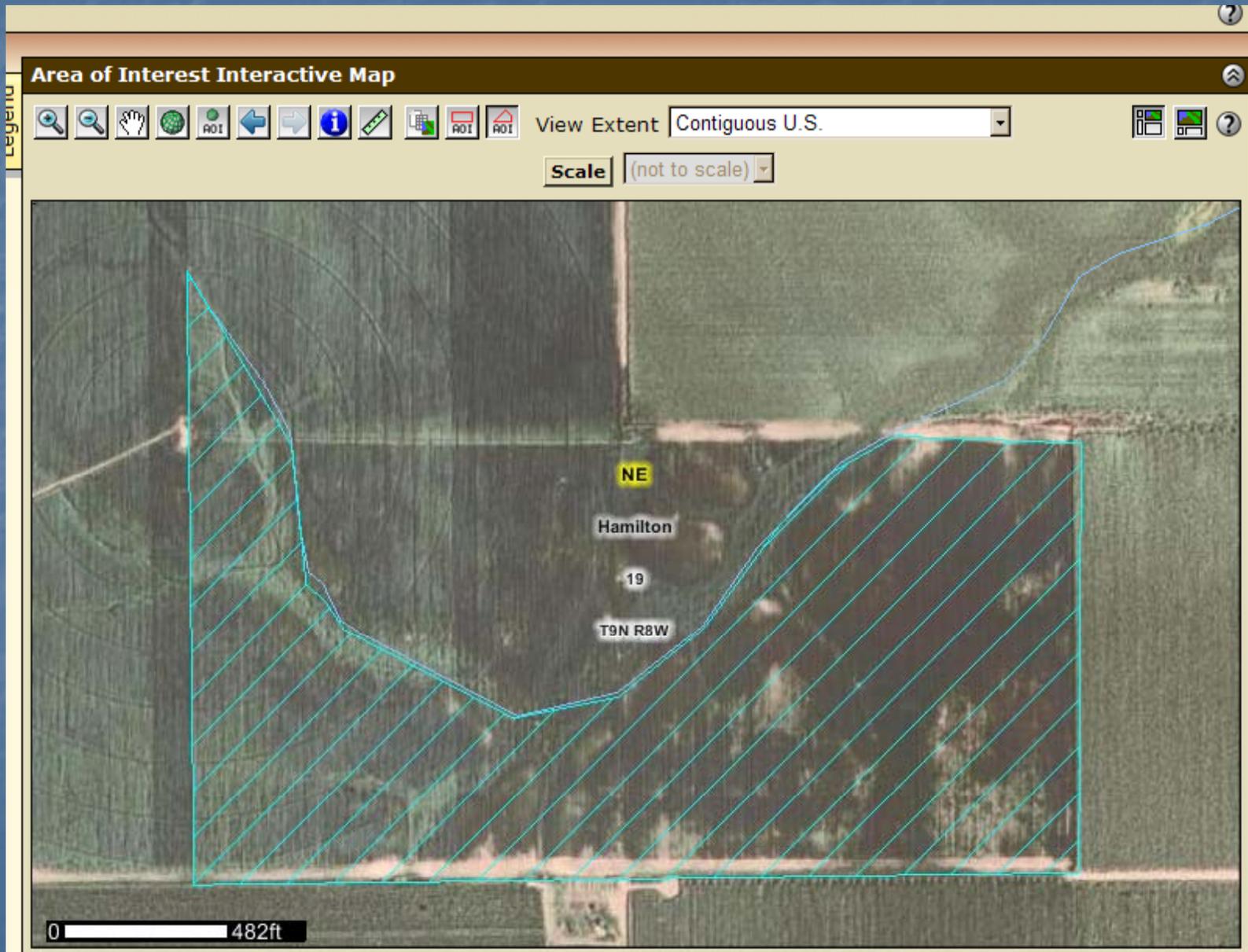
Scale (not to scale)

0 738ft

# Define AOI – multi-sided polygon



# Selected AOI



# Define AOI – import boundary

The screenshot displays the USDA Natural Resources Conservation Service website interface. At the top, the USDA logo and the text "United States Department of Agriculture" and "Natural Resources Conservation Service" are visible. Below this is a navigation bar with links: "Contact Us", "Download Soils Data", "Archived Soil Surveys", "Soil Survey Status", "Glossary", "Preferences", "Link", and "Log".

The main content area features a tabbed interface with four tabs: "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart (Free)". The "Area of Interest (AOI)" tab is currently selected.

On the left side, there is a sidebar menu with the following sections:

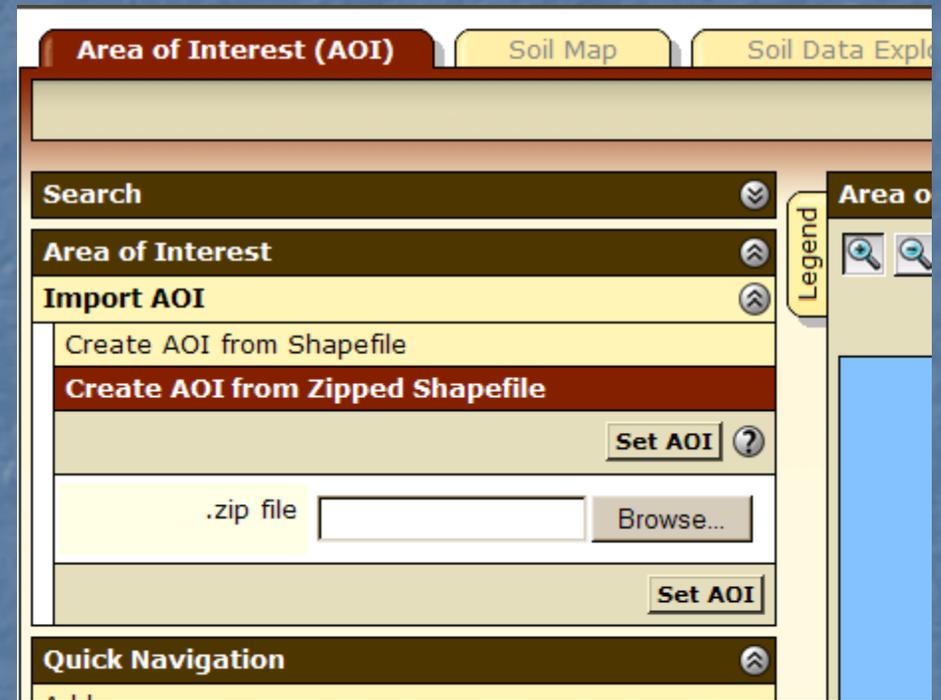
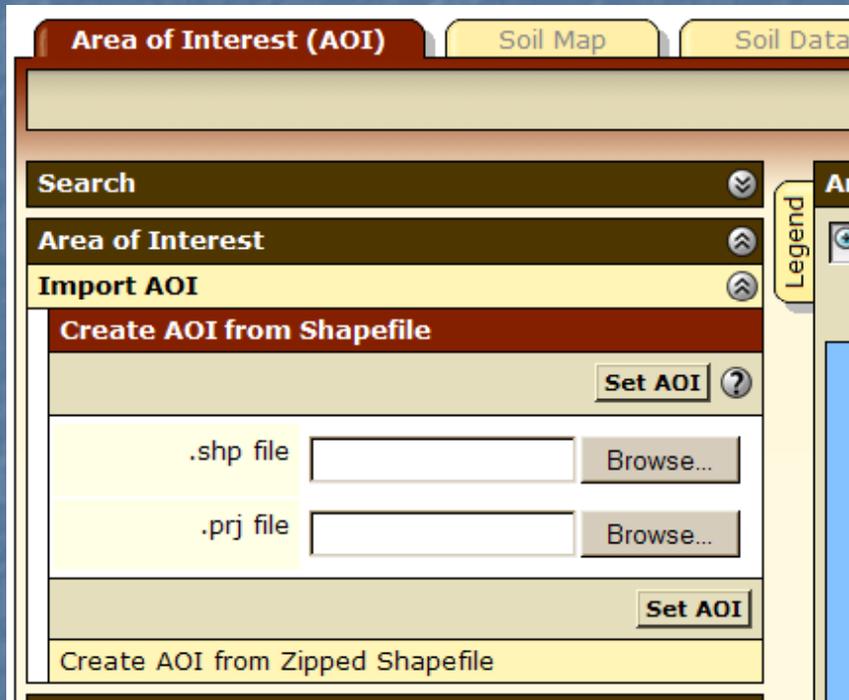
- Search** (with a dropdown arrow)
- Area of Interest** (with an up arrow)
- Import AOI** (with an up arrow) - This section is highlighted with a red arrow pointing to it. It contains two sub-options:
  - Create AOI from Shapefile
  - Create AOI from Zipped Shapefile
- Quick Navigation** (with an up arrow)

The "Quick Navigation" section includes the following options:

- Address
- State and County
- Soil Survey Area

On the right side, there is an "Area of Interest Interactive Map" section. It includes a toolbar with various icons for map navigation and interaction, such as zoom in, zoom out, pan, and a legend icon. Below the toolbar is a map showing a geographical area with a red boundary line. A "Scale" button is located to the right of the map.

# Define AOI – import boundary



- Shapefiles can be imported from your local computer
- Shapefiles can be imported as zipped or unzipped files
- Use Browse button to find appropriate file(s)
- After file(s) have been identified, click Set AOI button

# Saving AOI Link/bookmark

The screenshot shows the USDA Web Soil Survey interface. The navigation bar at the top includes 'Contact Us', 'Download Soils Data', 'Archived Soil Surveys', 'Soil Survey Status', 'Glossary', 'Preferences', 'Link', 'Logout', and 'Help'. The 'Link' option is highlighted with a red arrow. Below the navigation bar, the 'Link' section displays a long URL: <http://wss2.3/app/WebSoilSurvey.aspx?aoicoords={{-98.27796%2040.73942,-98.27688%2040.73814,-98.27674%2040.73696,-98.27659%2040.73695,-98.27642%2040.73662,-98.27447%2040.73737,-98.27341%2040.73602,-98.27254%2040.73942}}>. A right-click context menu is open over the URL, with 'Add to Favorites...' selected, indicated by a red arrow. The 'AOI Information' section shows 'Name' as an empty field, 'Map Unit Symbols' with 'Use Soil Survey Area Map Unit Symbols' selected, and 'Area (acres)' as 56.9. The 'Soil Data Available from Web Soil Survey' section shows 'Hamilton County, Nebraska (NE081)' with 'Spatial Data Version 2, Dec 11, 2007' and 'Tabular Data Version 8, Oct 30, 2009'. The 'Active Map' section shows 'View Extent' as 'Contiguous U.S.' and 'Scale' as '1:3,770 ± 1 %'. The map displays a satellite view of a field with a red boundary and labels for 'NE', 'Hamilton', '19', and 'T9N R8W'.

- Click Link option on Navigation bar. Dialog box opens showing URL of your WSS session with coordinates of the AOI boundary.
- Right click on the URL displayed and select Add to Favorites. Rename as appropriate.

# Define AOI – use bookmarked link

- Find and select a bookmark that you have saved from an earlier WSS session.
- Web Soil Survey will open in your browser and the previously defined AOI will be set.

# Export AOI boundary

The screenshot shows the 'Area of Interest (AOI)' interface. The 'Export AOI' option is highlighted with a red arrow. The interface includes a search bar, 'Open All' and 'Close All' buttons, 'AOI Properties' section with a 'Clear AOI' button, and 'AOI Information' section with a 'Name' field, 'Map Unit Symbols' radio buttons (selected: 'Use Soil Survey Area Map Unit Symbols'), and 'Area (acres)' field showing 57.1. Below this is 'Soil Data Available from Web Soil Survey' for 'Hamilton County, Nebraska (NE081)', with 'Spatial Data' (Version 2, Dec 11, 2007) and 'Tabular Data' (Version 8, Oct 30, 2009). At the bottom, 'Import AOI' and 'Export AOI' options are visible, with 'Export AOI' highlighted by a red arrow.

The screenshot shows the 'Export AOI as Zipped Shapefile' dialog box. A red arrow points to the 'Base filename' input field. The dialog includes an 'Export AOI' button at the bottom right.

- Once an AOI has been established, you can export the AOI boundary as a Shapefile
- Click Export AOI option under the AOI Properties section.
- Assign a filename; file is saved to your local computer.
- This file can later be imported into a future WSS session to return to this same AOI.

# Explicitly clear the AOI

The screenshot displays a web-based application interface for soil data exploration. At the top, there are navigation tabs: "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart (Free)". The main interface is divided into several sections:

- Search:** A search bar and a "Legend" button.
- Area of Interest:** A section with "Open All" and "Close All" buttons.
- AOI Properties:** A section with a "Clear AOI" button, highlighted by a red arrow.
- AOI Information:** A section containing a "Name" input field, "Map Unit Symbols" options (radio buttons for "Use Soil Survey Area Map Unit Symbols" and "Use National Map Unit Symbols"), and "Area (acres)" (57.6).
- Soil Data Available from Web Soil Survey:** A section with "Hamilton County, Nebraska (NE081)" and "Spatial Data" (Version 2, Dec 11, 2007) and "Tabular Data" (Version 8, Oct 30, 2009).
- Quick Navigation:** A section with "Address" and "State and County" input fields.

The main map area, titled "Area of Interest Interactive Map", shows a satellite-style map of a rural area. A red hatched polygon outlines the selected Area of Interest. The map includes a scale of 1:3,850 ± 1%, a "View Extent" dropdown set to "Contiguous U.S.", and a scale bar at the bottom indicating 0 to 485 feet. Labels on the map include "Hamilton", "19", "T9N R8W", and "NE".

# AOI Interactive Map - Help

**Area of Interest Interactive Map**

Legend

View Extent: Contiguous U.S. | Scale: (not to scale)

### Map Tools

- Zoom In:** Enlarges a selected part of the map to make it easier to see details and to help you find a specific location. Select the *Zoom In* tool, then either click on the map (zooms in to an area 1/2 as large, at 2x the map scale) or drag a box around the area you would like to enlarge (zooms so that the selected area fills the map). Note that some map layers may appear or disappear, depending on map scale.
- Pan:** Moves the map up, down, or sideways so you can view a part of the map not currently visible. Panning does not change the view scale. Select the *Pan* tool, and then click and drag the map to the desired position.
- Zoom to Full Extent:** Zooms to the full geographic extent of the map. The default extent is "Contiguous U.S." You can select a different extent using the *View Extent* control.
- Zoom to AOI Extent:** Zooms to the geographic extent of your area of interest.
- Zoom History Back:** Returns to your last view of the map. Click the *Zoom History Back* button multiple times to view each of the last several map views you visited during your current session.
- Zoom History Forward:** Moves forward through the list of previous map views in your current session. This button is not enabled, of course, until you have used the *Zoom History Back* button.
- Identify:** Identify the features of a particular map layer at a location on the map. Open the **Legend** tab, click the name of a layer to make it the **active layer**, select the *Identify* tool, then click on the map. The layer information for the location you clicked appears in the *Identify* panel below the map. The *Identify* panel remains in the display until you select another map tool that has an output panel, or until you explicitly close it using the button.
- Measure:** Measures the length of a **polyline** on the map. First, select the *Measure*

# View Soil Map

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

Search

Area of Interest

Open All | Close All

AOI Properties

Clear AOI

AOI Information

Name

Map Unit Symbols

Use Soil Survey Area Map Unit Symbols

Use National Map Unit Symbols

Area (acres) 1,024.4

Soil Data Available from Web Soil Survey

Hamilton County, Nebraska (NE081)

Spatial Data Version 2, Dec 11, 2007

Tabular Data Version 8, Oct 30, 2009

Clear AOI

Import AOI

Export AOI

Quick Navigation

Address

State and County

Soil Survey Area

Area of Interest Interactive Map

Legend

View Extent: Contiguous U.S.

Scale: 1:12,500 ±1%

0 1471ft

- Click Soil Map tab

# Soil Map

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

Printable Version Add to Shopping Cart ?

Search

Map Unit Legend

Hamilton County, Nebraska (NE081)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3820	Butler silt loam, 0 to 1 percent slopes	2.2	0.2%
3824	Crete silt loam, 0 to 1 percent slopes	322.0	31.4%
3864	Hastings silt loam, 0 to 1 percent slopes	373.1	36.4%
3866	Hastings silt loam, 1 to 3 percent slopes	130.4	12.7%
3870	Hastings silty clay loam, 3 to 7 percent slopes, eroded	57.4	5.6%
3952	Fillmore silt loam, frequently ponded	19.2	1.9%
3953	Fillmore silt loam, drained, 0 to 1 percent slopes	10.8	1.1%
3962	Hastings silty clay loam, 7 to	106.4	10.4%

Legend

Soil Map

Scale 1:12,500 ±1%

0 1471ft

# View/Print Map Unit Description

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys

Area of Interest (AOI) | Soil Map

Search

Map Unit Legend

Hamilton County, Nebraska (NE081)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of Total
3820	Butler silt loam, 0 to 1 percent slopes		0.2%
3824	Crete silt loam, 0 to 1 percent slopes	322.0	31.4%
3864	Hastings silt loam, 0 to 1 percent slopes	373.1	36.4%
3866	Hastings silt loam, 1 to 3 percent slopes	130.4	12.7%
3870	Hastings silty clay loam, 3 to 7 percent slopes, eroded	57.4	5.6%
3952	Fillmore silt loam, frequently ponded	19.2	1.9%
3953	Fillmore silt loam, drained, 0 to 1 percent slopes	10.8	1.1%
3962	Hastings silty clay loam, 7 to 10 percent slopes	106.4	10.4%

Map Unit Description

Printable Version

Report – Map Unit Description

Hamilton County, Nebraska

3820—Butler silt loam, 0 to 1 percent slopes

**Map Unit Setting**  
Elevation: 1,000 to 3,000 feet  
Mean annual precipitation: 26 to 28 inches  
Mean annual air temperature: 50 to 54 degrees F  
Frost-free period: 155 to 175 days

**Map Unit Composition**  
Butler and similar soils: 98 percent  
Minor components: 2 percent

**Description of Butler**

**Setting**  
Landform: Swales  
Down-slope shape: Concave  
Across-slope shape: Linear  
Parent material: Loess

**Properties and qualities**  
Slope: 0 to 1 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 low to moderately high (0.06 to 0.20 in/hr)  
Depth to water table: About 6 to 18 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate, maximum content: 5 percent  
Available water capacity: High (about 10.0 inches)

**Interpretive groups**  
Land capability classification (irrigated): 2w  
Land capability (nonirrigated): 2w  
Ecological site: Clayey (R075XY057NE)

- Click on map unit name at left to view map unit description report
- Click Printable Version to print – produces PDF file

# Print Soil Map

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

Printable Version Add to Shopping Cart

Search

Map Unit Legend

Hamilton County, Nebraska (NE081)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3820	Butler silt loam, 0 to 1 percent slopes	2.2	0.2%
3824	Crete silt loam, 0 to 1 percent slopes	322.0	31.4%
3864	Hastings silt loam, 0 to 1 percent slopes	373.1	36.4%
3866	Hastings silt loam, 1 to 3 percent slopes	130.4	12.7%
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3952	Fillmore silt loam, frequently ponded	19.2	1.9%
3953	Fillmore silt loam, drained, 0 to 1 percent slopes	10.8	1.1%
3962	Hastings silty clay loam, 7 to	106.4	10.4%

Soil Map

Scale 1:12,500

0 1471ft

# Print Options

Shopping Cart (Free)

Printable Version Add to Shopping Cart

### Printable Version Options

#### Report Options

Title Soil Map; Hamilton County, Nebraska

Subtitle (optional)

Area of Interest Name: (none defined)

Custom Subtitle:

None

#### Map Options

Map Scale 1:12,000

Printed Sheet Size A (8.5" × 11") — 4 sheets

Show UTM Coordinate Ticks

Cancel View

# Explore Soil Information



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

Printable Version Add to Shopping Cart ?

Search

Map Unit Legend

Hamilton County, Nebraska (NE081)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3820	Butler silt loam, 0 to 1 percent slopes	2.2	0.2%
3824	Crete silt loam, 0 to 1 percent slopes	322.0	31.4%
3864	Hastings silt loam, 0 to 1 percent slopes	373.1	36.4%
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3953	Fillmore silt loam, drained, 0 to 1 percent slopes	10.8	1.1%
3962	Hastings silty clay loam, 7 to	106.4	10.4%

Soil Map

Scale 1:12,500 ±1%

0 1471ft

# Soil Data Explorer Features

- Filter the soil information by land use category
- Learn the terminology and concepts of soils and specific land uses
- View interpretive soil data and soil properties in the form of thematic maps, tables, and text description
- Access ecological site information
- Print individual maps and reports
- Add content to free Shopping Cart

# Soil Data Explorer - Help

The screenshot shows the 'Soil Data Explorer' web application. At the top, there are tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. Below the tabs, a dropdown menu is set to 'All Uses'. On the right side of the top bar, there are buttons for 'Printable Version' and 'Add to Shopping Cart'. The main interface is divided into three sections: a left sidebar, a central map, and a right help panel.

**Left Sidebar: Suitabilities and Limitations for Use**

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	?	⌵

**Central Map: Soil Map**

The map shows a satellite-style view of a field with a red rectangular area of interest (AOI) highlighted. The map includes labels for 'Lepin Rd', 'A Rd', and soil map numbers '13', '24', '3953', and '3888'. A legend is visible on the left side of the map.

**Right Panel: 3 Explore.**

**Soil Data Explorer**

The third step in using Web Soil Survey is to explore the available information about your interest.

The Soil Data Explorer tab provides several ways of getting the information you need.

**Finding relevant information**

You can limit your view of soil information to a specific use, such as cropland, forestland, rangeland, or urban development, by selecting the use from the drop-down list on the button bar.

**View Soil Information By Use:**

- All Uses
- Cropland
- Forestland
- Hayland/Pastureland
- Horticulture
- Rangeland
- Recreation
- Urban Uses

A red arrow points from the 'Add to Shopping Cart' button in the top right to the 'Close' button in the top right of the help panel.

# Soil Data Explorer - Intro

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

View Soil Information By Use [dropdown]

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

**Search** [dropdown]

**Table of Contents** [dropdown]

[View Selected Topics](#) [?]

- All Uses
  - Introduction to Soils
    - Soils 101
    - Information for Land Users
  - Cropland
    - Land capability classification
    - Soil erosion and crop production
    - Cropland management
  - Forestland
    - Grazed Forestland
    - Forest Canopy
    - Forest Overstory
    - Forest Understory
    - Forest Productivity
    - Forestland Ecological Sites
    - Forestland Management
    - Agroforestry
  - Pastureland and Hayland
    - Forage
    - Pastureland Condition
  - Horticulture
    - Nutrient Management
    - Pest Management
    - Native Plants
    - Selecting the Right Tree
    - Attracting Butterflies
    - Ground Covers for Steep Slopes
    - Terracing

# Soil Data Explorer - Intro

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

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

**Search**

**Table of Contents**

[View Selected Topics](#)

- All Uses
  - Introduction to Soils
    - Soils 1
    - Selection for Land Users
    - Cropland
      - Land capability classification
      - Soil erosion and crop production
      - Cropland management
    - Forestland
      - Grazed Forestland
      - Forest Canopy
      - Forest Overstory
      - Forest Understory
      - Forest Productivity
      - Forestland Ecological Sites
      - Forestland Management
      - Agroforestry

**Content**

**All Uses**

**Cropland**

Cropland is defined as a land cover or land use category that includes areas used for the production of adapted crops for harvest. Two subcategories of cropland are recognized: cultivated and noncultivated. Cultivated cropland is land that is used for either row crops or close-grown crops. Hayland or pastureland that is in a rotation with row crops or close-grown crops also is considered cultivated cropland. Noncultivated cropland includes permanent hayland and horticultural cropland.

Reference:  
"2001 Annual NRI Glossary of Key Terms," National Resources Inventory, USDA, NRCS

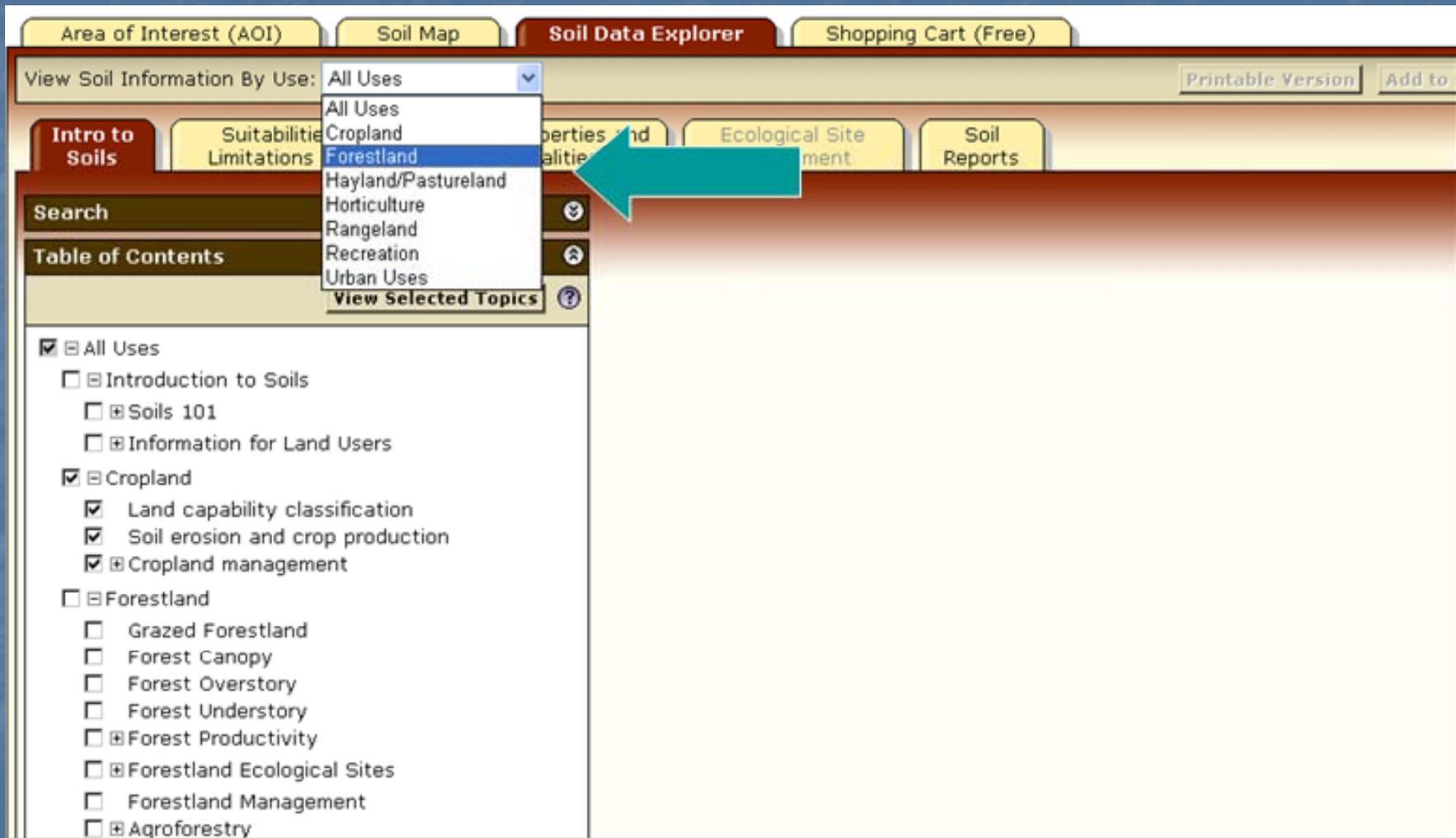
**Land capability classification**

Determinations of land capability involve consideration of the risks of land damage from erosion and other causes and the difficulties in land use resulting from physical land characteristics and from climate. Land capability, as used in the USA, is an expression of the effect of physical land characteristics and climate on the suitability of soils for crops that require regular tillage, for grazing, for woodland, and for wildlife habitat.

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other

- Check item(s) in list, then click View Selected Topics to display text

# Filter Information by Land Use



The screenshot displays the 'Soil Data Explorer' tab in a web application. At the top, there are navigation tabs: 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer' (active), and 'Shopping Cart (Free)'. Below the tabs, a 'View Soil Information By Use:' dropdown menu is open, showing a list of land use categories: 'All Uses', 'Cropland', 'Forestland', 'Hayland/Pastureland', 'Horticulture', 'Rangeland', 'Recreation', and 'Urban Uses'. A teal arrow points to the 'Forestland' option. To the right of the dropdown, there are buttons for 'Printable Version' and 'Add to'. Below the dropdown, there are several navigation buttons: 'Intro to Soils', 'Suitability Limitations', 'Properties and Qualities', 'Ecological Site Assessment', and 'Soil Reports'. On the left side, there is a 'Search' bar and a 'Table of Contents' section. The 'Table of Contents' section is expanded, showing a tree view of topics with checkboxes. The 'All Uses' category is checked, and its sub-topics are also checked. The 'Forestland' category is unchecked, and its sub-topics are also unchecked.

View Soil Information By Use: **All Uses** [Printable Version](#) [Add to](#)

**Intro to Soils** [Suitability Limitations](#) [Properties and Qualities](#) [Ecological Site Assessment](#) [Soil Reports](#)

**Search**

**Table of Contents**

- All Uses
  - Introduction to Soils
    - Soils 101
    - Information for Land Users
  - Cropland
    - Land capability classification
    - Soil erosion and crop production
    - Cropland management
  - Forestland
    - Grazed Forestland
    - Forest Canopy
    - Forest Overstory
    - Forest Understory
    - Forest Productivity
    - Forestland Ecological Sites
    - Forestland Management
    - Agroforestry

- Select a specific land use from drop down list to filter content on the Soil Data Explorer tab.

# Forestland Information

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

View Soil Information By Use: Forestland

**Intro to Forestland** | Suitabilities and Limitations for Use | S

**Search** [v]

**Table of Contents** [^]

[View Selected Topics](#) [?]

- Forestland
  - Grazed Forestland
  - Forest Canopy
  - Forest Overstory
  - Forest Understory
  - Forest Productivity
    - Site Index
  - Forestland Ecological Sites
    - Succession and Retrogression
    - Historic Climax Plant Community
    - Naturalized Plant Community
  - Forestland Management
  - Agroforestry
    - Alley Cropping
    - Forest Farming
    - Riparian Forest Buffers
    - Silvopasture
    - Windbreaks
    - Special Applications
    - Where Does Agroforestry Apply?

[View Selected Topics](#)

List of topics narrowed to those related to Forestland.

# Shopping Cart

The screenshot displays the 'Soil Data Explorer' web application. At the top, there are navigation tabs: 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. Below these, a dropdown menu shows 'View Soil Information By Use: All Uses'. To the right of this menu are buttons for 'Printable Version' and 'Add to Shopping Cart', with a teal arrow pointing to the latter. A secondary navigation bar contains tabs for 'Intro to Soils', 'Suitabilities and Limitations for Use', 'Soil Properties and Qualities', 'Ecological Site Assessment', and 'Soil Reports'. The main content area is split into two panels: 'Search' on the left and 'Content' on the right. The 'Search' panel shows a 'Table of Contents' with a 'View Selected Topics' button and a list of categories with checkboxes. The 'Content' panel displays information for 'All Uses' and 'Cropland', including a definition, a reference, and a section on 'Land capability classification'.

- Any material displayed in right-hand panel (intro text, maps, tables, etc) can be added to the free Shopping Cart for later retrieval. All added content is bundled into a single PDF file for download or printing.

# Suitabilities and Limitations

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

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**

Corrosion of Concrete

Corrosion of Steel

**Dwellings With Basements**

View Description | View Rating

**View Options**

Map

Table

Component Breakdown and Rating Reasons

Numeric Values

Description of Rating

Rating Options

Detailed Description

**Soil Map**

Scale: 1:16,900 ±1%

- Display a variety of interpretations as a thematic map.
- Open a category folder, then select desired interpretation. Click View Rating

# Display Interpretive Map

The screenshot shows the 'Soil Data Explorer' web application. The 'Map Legend' window is open, displaying a list of map layers with checkboxes. A teal arrow points to the 'Legend' tab in the map viewer. The map viewer displays an aerial view with a color-coded soil rating overlay. The legend includes categories like Area of Interest (AOI), Soils, Special Point/Line Features, and Political Features. The map shows soil ratings such as 'Very limited' (red), 'Somewhat limited' (yellow), and 'Not limited' (green).

Category	Item	Color
Soils	Very limited	Red
	Somewhat limited	Yellow
	Not limited	Green
	Not rated or not available	Grey
Political Features	States	White outline
	Counties	White outline
	Urban Areas	Grid pattern
	Cities	Green dot

- Click Legend tab to display map legend. Table below map shows rating and limiting features of each soil in Summary Report.

# Summary Report

Tables — Dwellings With Basements — Summary By Map Unit						
Summary by Map Unit — Buena Vista County, Iowa						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
6	Okoboji silty clay loam, 0 to 1 percent slopes	Very limited	Okoboji, ponded (95%)	Depth to saturated zone (1.00)	2.7	0.3%
				Shrink-swell (1.00)		
				Ponding (1.00)		
			Knoke, ponded (5%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Shrink-swell (1.00)		
34B	Estherville sandy loam, 2 to 5 percent slopes	Not limited	Estherville (90%)		1.3	0.2%
55	Nicollet loam, 1 to 3 percent slopes	Very limited	Nicollet (90%)	Depth to saturated zone (1.00)	201.2	25.5%
62C	Storden loam, 5 to 9 percent slopes	Not limited	Storden (85%)		25.3	3.2%
62D	Storden loam, 9 to 14 percent slopes	Somewhat limited	Storden (85%)	Slope (0.63)	10.8	1.4%
62E	Storden loam, 14 to 18 percent slopes	Very limited	Storden (85%)	Slope (1.00)	2.2	0.3%
73C	Salida gravelly	Not limited	Salida (90%)		1.1	0.1%

# Interpretation Description and Rating Options Used

## Description — Dwellings with Basements

Dwellings are single-family houses of three stories or less. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet.

The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

## Rating Options — Dwellings with Basements

**Aggregation Method:** Dominant Condition

**Component Percent Cutoff:** *None Specified*

**Tie-break Rule:** Higher

# Soil Properties and Qualities

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](#) ?

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

**Search** ?

**Properties and Qualities Ratings** ?

[Open All](#)   [Close All](#) ?

- Soil Chemical Properties ?
- Soil Erosion Factors ?
- Soil Physical Properties ?
- Soil Qualities and Features ?
- Water Features ?

**Soil Map** ?

Scale 1:16,900 ±1%

# Select Property or Quality

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

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

**Search**

**Properties and Qualities Ratings**

Open All Close All

- Soil Chemical Properties
- Soil Erosion Factors
- Soil Physical Properties
- Soil Qualities and Features**

- AASHTO Group Classification (Surface)
- Depth to a Selected Soil Restrictive Layer
- Depth to Any Soil Restrictive Layer
- Drainage Class**

View Description View Rating

**View Options**

- Map
- Table
- Description of Rating
- Rating Options
- Detailed Description

**Advanced Options**

**Soil Map**

Scale: 1:16,900 ±1%

0 1862ft

# Display Results

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

Intro to Soils | **Map Legend** | Properties Qualities | Ecological Site Assessment | Soil Reports

**Map Legend**

- Area of Interest (AOI)
  - Area of Interest (AOI)
- Soils
  - Soil Survey Areas
  - Soil Map Units
  - Soil Ratings
    - Excessively drained
    - Somewhat excessively drained
    - Well drained
    - Moderately well drained
    - Somewhat poorly drained
    - Poorly drained
    - Very poorly drained
    - Not rated or not available
  - Special Point Features
  - Special Line Features
- Political Features
  - States

Rating Options:  Detailed Description

**Map — Drainage Class**

Scale: 1:16,900 ±1%

0 1862ft

540th St  
115th Ave

Tables — Drainage Class — Summary By Map Unit

**Tables — Drainage Class — Summary By Map Unit**

**Summary by Map Unit — Buena Vista County, Iowa**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Okoboji silty clay loam, 0 to 1 percent slopes	Very poorly drained	2.7	0.3%
34B	Estherville sandy loam, 2 to 5 percent slopes	Somewhat excessively drained	1.3	0.2%
55	Nicollet loam, 1 to 3 percent slopes	Somewhat poorly drained	201.2	25.5%
62C	Storden loam, 5 to 9 percent slopes	Well drained	25.3	3.2%
62D	Storden loam, 9 to 14 percent slopes	Well drained	10.8	1.4%
62E	Storden loam, 14 to 18 percent slopes	Well drained	2.2	0.3%
73C	Salida gravelly sandy loam, 5 to 9 percent slopes	Excessively drained	1.1	0.1%
107	Webster silty clay loam, 0 to 2 percent slopes	Poorly drained	93.3	11.8%
133	Colo silty clay loam, 0 to 2 percent slopes	Poorly drained	14.2	1.8%
138B	Clarion loam, 2 to 5 percent slopes	Well drained	277.7	35.2%
138C2	Clarion loam, 5 to 9 percent slopes, moderately eroded	Well drained	54.5	6.9%
203	Cylinder loam, deep, 0 to 2 percent slopes	Somewhat poorly drained	3.2	0.4%

# Change Land Uses

The screenshot displays a web-based interface for soil information. At the top, there are navigation tabs: 'Area of Interest (AOI)', 'Soil Map', 'Soil Properties and Qualities', and 'Shopping Cart (Free)'. Below these, a dropdown menu is set to 'Cropland'. A teal arrow points to this dropdown. To the right of the dropdown are buttons for 'Printable Version' and 'Add to Shopping Cart'. Below the navigation tabs are several menu items: 'Intro to Cropland', 'Suitabilities and Limitations for Use' (highlighted in red), 'Soil Properties and Qualities', 'Ecological Site Assessment', and 'Soil Reports'. On the left side, there is a 'Search' section and a 'Suitabilities and Limitations Ratings' section. The 'Suitabilities and Limitations Ratings' section has 'Open All' and 'Close All' buttons and a list of categories: Building Site Development, Disaster Recovery Planning, Land Classifications, Vegetative Productivity, Waste Management, and Water Management. Each category has a question mark and a dropdown arrow. A teal arrow points to this list. The main area is a 'Soil Map' window. It has a toolbar with icons for zooming, panning, and other map functions. The scale is set to 1:16,900. The map shows a topographic view with contour lines and a blue river. A teal box highlights a portion of the map, and a teal arrow points to it with the text 'List changes according to land use'. The map also shows street names '540th St' and '15th Ave'.

Area of Interest (AOI) | Soil Map | **Soil Properties and Qualities** | Shopping Cart (Free)

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

Intro to Cropland | **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
- Disaster Recovery Planning
- Land Classifications
- Vegetative Productivity
- Waste Management
- Water Management

**Soil Map**

Scale: 1:16,900 ±1%

List changes according to land use

# Ecological Site Name Map

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

View Soil Information By Use: Rangeland Printable Version Add to Shopping Cart

Intro to Rangeland | **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

Disaster Recovery Planning

**Land Classifications**

Ecological Site ID

**Ecological Site Name**

View Description View Rating

**View Options**

Map

Table

Description of Rating

Rating Options

Detailed Description

**Basic Options**

**Map — Ecological Site Name: NRCS Rangeland Site**

Scale: 1:21,300 ±1%

Legend

# Ecological Site Assessment

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

View Soil Information By Use: Rangeland Printable Version Add to Shopping Cart

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

**Search**

**Ecological Sites**

[Open All](#) [Close All](#)

**All Ecological Sites**

[View All Ecological Sites Info](#)

**View Options**

Dominant Ecological Site Map

Ecological Sites by Map Unit Component Table

**Basic Options**

Ecological Site Type: Rangeland

[View All Ecological Sites Info](#)

R067BY047CO — Alkaline Plains

R069XY006CO — Loamy Plains

R069XY026CO — Sandy Plains

R069XY053CO — Sandstone Breaks

**Map — Dominant Ecological Site — Rangeland**

Scale: 1:21,300 ±1%

0 2319ft

**Table — Ecological Sites by Map Unit Component — Rangeland**



# Chemical Soil Properties Report

Report — Chemical Soil Properties								
Hamilton County, Nebraska								
Map symbol and soil name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	<i>In</i>	<i>meq/100g</i>	<i>meq/100g</i>	<i>pH</i>	<i>Pct</i>	<i>Pct</i>	<i>mmhos/cm</i>	
3820—Butler silt loam, 0 to 1 percent slopes								
Butler	0-11	18-27	—	5.1-6.5	0	0	0	0
	11-32	30-40	—	5.6-7.8	0	0	0	0
	32-80	20-35	—	6.6-8.4	0-5	0	0	0
3824—Crete silt loam, 0 to 1 percent slopes								
Crete	0-11	16-23	—	5.1-6.5	0	0	0	0
	11-14	20-31	—	5.6-6.0	0	0	0	0
	14-27	29-41	—	5.6-7.8	0	0	0	0
	27-30	19-33	—	7.4-8.4	1-5	0	0	0
	30-80	10-20	—	6.6-8.4	0-10	0	0	0-1
3864—Hastings silt loam, 0 to 1 percent slopes								
Hastings	0-12	22-31	—	5.1-6.5	0	0	0	0
	12-32	27-33	—	6.1-7.8	0	0	0	0
	32-40	25-30	—	6.1-8.4	0-5	0	0	0
	40-80	24-27	—	6.6-8.4	0-5	0	0	0
3866—Hastings silt loam, 1 to 3 percent slopes								
Hastings	0-12	22-31	—	5.1-6.5	0	0	0	0

- Report is displayed below the soil map.

# Access Archived Soil Survey Publications



- A listing of previous soil survey report publications for the Area of Interest is stored on an external web site. Click the highlighted link to go there.



**Search**

Soils

- Soil Survey**
- ▶ Web Soil Survey
  - ▶ Soil Data Mart
  - ▶ Listing Of Soil Surveys by State
  - ▶ Status Maps
  - ▶ Soil Survey Schedule
  - ▶ Global Climate Change
  - ▶ National Soil Characterization Data
  - ▶ Soil Climate Research Stations
  - ▶ Soil Geochemistry Spatial Database
  - ▶ Soil Research Results
  - ▶ Soil Geography
  - ▶ eFOTG (county technical guides)

- ▶ Find a Service Center
- ▶ States and Regions

## Published Soil Surveys for Colorado

Soil surveys are being completed and published on a continuing schedule. As time passes, the data in published surveys become dated. The official information about the soils in a given area is available from the [Soil Data Mart](#), which provides the most current data about the soils. If spatial data are available, the [Web Soil Survey](#) also provides access to the most current information. In the "Date" column, the word "current" is used for those surveys having both tabular and spatial data in the Soil Data Mart. "Archived PDF online" refers to any surveys published as PDF files on the Web, including new surveys as well as old ones dating back to 1899.

PDF files require [Acrobat Reader](#).

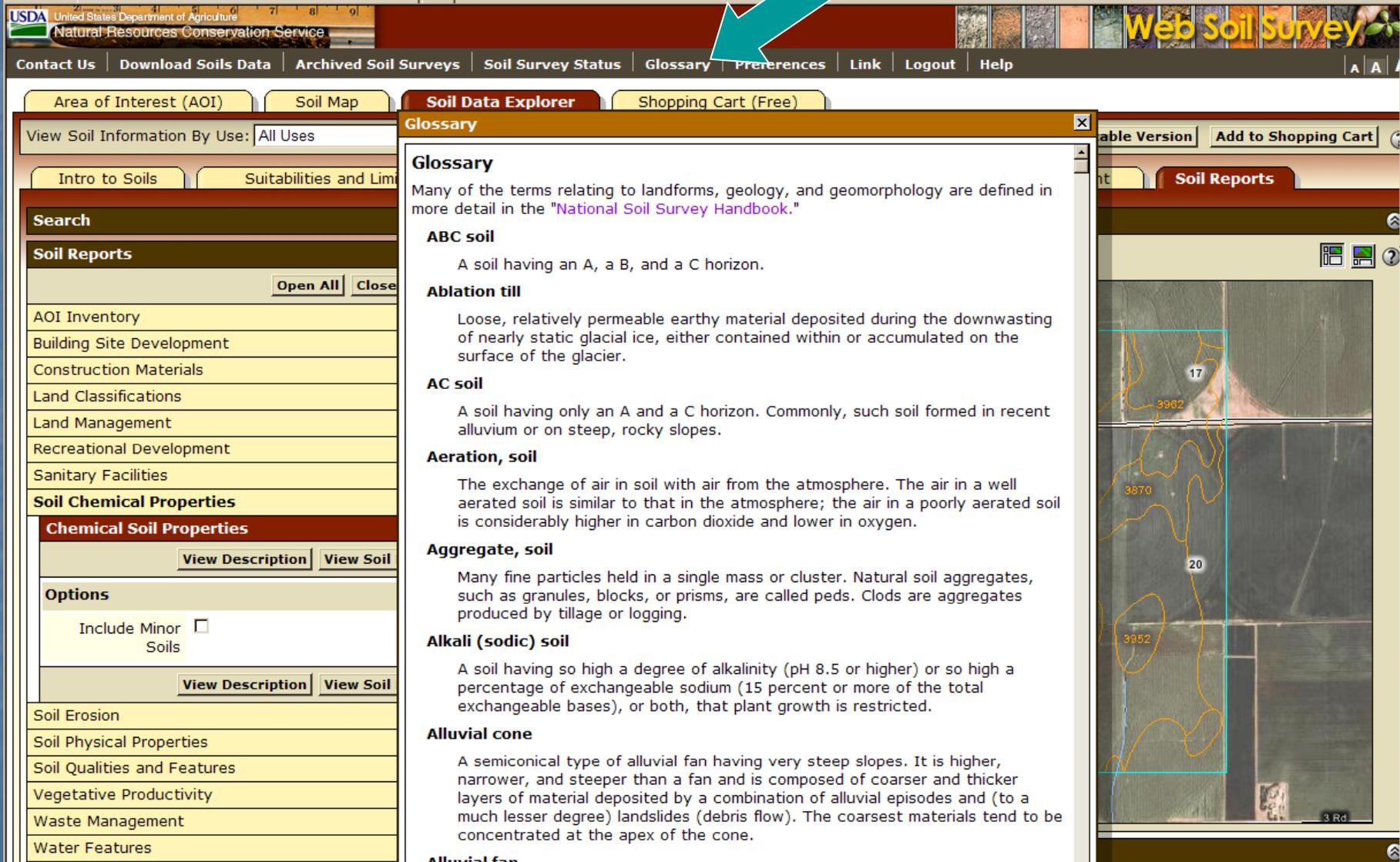
**Follow these instructions to download both text and maps.**  
[How to Save an Archived Soil Survey Publication to Your Local Machine](#) (PDF; 2.8 MB)

For information about areas not included on the following list of soil survey publications or for ordering or obtaining information about reference copies (CD-ROM or paper copy), contact:

State Conservationist  
 655 Parfet Street  
 Room E200C  
 Lakewood, CO 80215-5521  
 Phone: 720-544-2810  
 FAX: 720-544-2965

Soil survey name (Follow links for online surveys.)	Date	Paper copy available	CD-ROM	Archived PDF online	Web Soil Survey (generated from official soil data)
<a href="#">Adams Area, Parts of Adams and Denver Counties</a>	Current	No	No	No	Yes
<a href="#">Adams County</a>	1974	No	Yes	Yes	No

# Access Glossary of Terms



The screenshot displays the USDA Web Soil Survey website. At the top, the USDA logo and "United States Department of Agriculture Natural Resources Conservation Service" are visible. A navigation bar includes links for "Contact Us", "Download Soils Data", "Archived Soil Surveys", "Soil Survey Status", "Glossary", "Preferences", "Link", "Logout", and "Help". A teal arrow points to the "Glossary" link. Below the navigation bar, there are tabs for "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart (Free)". The "Soil Data Explorer" tab is active, showing a "Glossary" window. The "Glossary" window lists various soil terms with their definitions. To the left of the "Glossary" window is a sidebar with a search bar and a list of categories including "Soil Reports", "Soil Chemical Properties", "Chemical Soil Properties", "Options", "Soil Erosion", "Soil Physical Properties", "Soil Qualities and Features", "Vegetative Productivity", "Waste Management", and "Water Features". To the right of the "Glossary" window is a map showing a soil survey area with various soil types and boundaries. The map includes labels for "17", "20", "3982", "3870", and "3952".

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Download Soils Data | Archived Soil Surveys | Soil Survey Status | **Glossary** | Preferences | Link | Logout | Help

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

View Soil Information By Use: All Uses

Intro to Soils | Suitabilities and Limits

**Search**

**Soil Reports**

Open All | Close

AOI Inventory

Building Site Development

Construction Materials

Land Classifications

Land Management

Recreational Development

Sanitary Facilities

**Soil Chemical Properties**

**Chemical Soil Properties**

View Description | View Soil

**Options**

Include Minor Soils

View Description | View Soil

Soil Erosion

Soil Physical Properties

Soil Qualities and Features

Vegetative Productivity

Waste Management

Water Features

**Glossary**

Many of the terms relating to landforms, geology, and geomorphology are defined in more detail in the "National Soil Survey Handbook."

**ABC soil**

A soil having an A, a B, and a C horizon.

**Ablation till**

Loose, relatively permeable earthy material deposited during the downwasting of nearly static glacial ice, either contained within or accumulated on the surface of the glacier.

**AC soil**

A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

**Aeration, soil**

The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

**Aggregate, soil**

Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

**Alkali (sodic) soil**

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

**Alluvial cone**

A semiconical type of alluvial fan having very steep slopes. It is higher, narrower, and steeper than a fan and is composed of coarser and thicker layers of material deposited by a combination of alluvial episodes and (to a much lesser degree) landslides (debris flow). The coarsest materials tend to be concentrated at the apex of the cone.

**Alluvial fan**

able Version | Add to Shopping Cart

**Soil Reports**

17

3982

3870

20

3952

3 Rd

# Access the Free Shopping Cart

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

**Search** [v]

**Report Properties** [^] ?

**Title**

Title Custom Soil Resource Report for Bent County, Colorado

Subtitle

Area of Interest Name: (none defined)

Custom Subtitle: [text input]

None

**Size**

Total Size 984 KB (1.0 MB)

**Map Options**

Map Scale Automatic [v]

Printed Sheet Size A (8.5" x 11") — 1 sheet [v]

Show UTM Coordinate Ticks

**Table of Contents** [^] ?

Custom Soil Resource Report for Bent 984 KB

Enter Subtitle if desired.

Choose map scale and paper size.

Table of Contents shows content of Shopping Cart

# Table of Contents

Table of Contents	
<input checked="" type="checkbox"/> <input type="checkbox"/>	Custom Soil Resource Report for Lancaster County, Nebraska: Knox Place 2,081 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Cover 518 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Preface 3 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Contents 1 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	How Soil Surveys Are Made 5 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Soil Map 411 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Soil Map 381 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Map Unit Legend 4 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Map Unit Description 27 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Soil Data Explorer 1,140 KB
<input type="checkbox"/> <input type="checkbox"/>	All Uses
<input type="checkbox"/> <input type="checkbox"/>	Cropland
<input type="checkbox"/> <input type="checkbox"/>	Forestland
<input type="checkbox"/> <input type="checkbox"/>	Hayland/Pastureland
<input type="checkbox"/> <input type="checkbox"/>	Horticulture
<input checked="" type="checkbox"/> <input type="checkbox"/>	Rangeland 1,140 KB
<input type="checkbox"/> <input type="checkbox"/>	Intro to Rangeland
<input checked="" type="checkbox"/> <input type="checkbox"/>	Suitabilities and Limitations for Use 762 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Building Site Development 383 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Dwellings without Basements 383 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Land Classifications 379 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Ecological Site Name: NRCS Rangeland Site 379 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	Ecological Site Assessment 378 KB
<input checked="" type="checkbox"/> <input type="checkbox"/>	All Ecological Sites 378 KB
<input type="checkbox"/> <input type="checkbox"/>	Recreation
<input type="checkbox"/> <input type="checkbox"/>	Urban Uses
<input checked="" type="checkbox"/> <input type="checkbox"/>	References 3 KB
<input type="checkbox"/> <input type="checkbox"/>	Glossary 113 KB

Soil map, map unit legend, and map unit descriptions are automatically added.

Items can be deselected by unchecking them on the list if you decide you do not want to get them. Additional items must be added in previous screens.

# Preview an Item

Area of Interest (AOI)   Soil Map   Soil Data Explorer   **Shopping Cart (Free)**   [Check Out](#)

**Search**

**Report Properties**

**Table of Contents**

<input checked="" type="checkbox"/> <input type="checkbox"/> Custom Soil Resource Report for Bent County, Colorado	971 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Cover	518 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Preface	3 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Contents	0 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> How Soil Surveys Are Made	5 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Soil Map	416 KB
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <b>Soil Map</b>	<b>379 KB</b>
<input checked="" type="checkbox"/> <input type="checkbox"/> Map Unit Legend	3 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Map Unit Description	33 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Soil Data Explorer	24 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> All Uses	24 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Soil Properties and Qualities	24 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> Soil Qualities and Features	24 KB
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Map Unit Name	12 KB
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Hydrologic Soil Group	13 KB
<input checked="" type="checkbox"/> <input type="checkbox"/> References	3 KB
<input type="checkbox"/> <input type="checkbox"/> Glossary	113 KB

**Soil Map**

**Click on an item to preview it.**

# Check Out

The screenshot displays a web application interface with a navigation bar at the top containing tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. A 'Check Out' button is located in the top right corner, with a red arrow pointing to it. A 'Checkout Options' dialog box is open, featuring a 'Delivery Options' section with the text 'Select a Delivery Method' and two radio buttons: 'Get now' (selected) and 'Download later'. The dialog box also includes 'Cancel' and 'OK' buttons. The background shows a map with a red bounding box and a scale bar. The left sidebar contains 'Report Properties' with fields for Title, Subtitle, Size, and Map Options.

- During Check Out you can elect to get the file now or later.
- Then click OK.

# Custom Soil Resource Report being generated

Area of Interest (AOI)   Soil Map   Soil Data Explorer   **Shopping Cart (Free)**   [Check Out](#) ?

**Search**   **Soil Map**

**Report Properties** ?

**Title**

Title: Custom Soil Resource Report for Bent County, Colorado

Subtitle:  Area of Interest Name: (none defined)  Custom Subtitle:   None

**Size**

Total Size: 971 KB (0.9 MB)

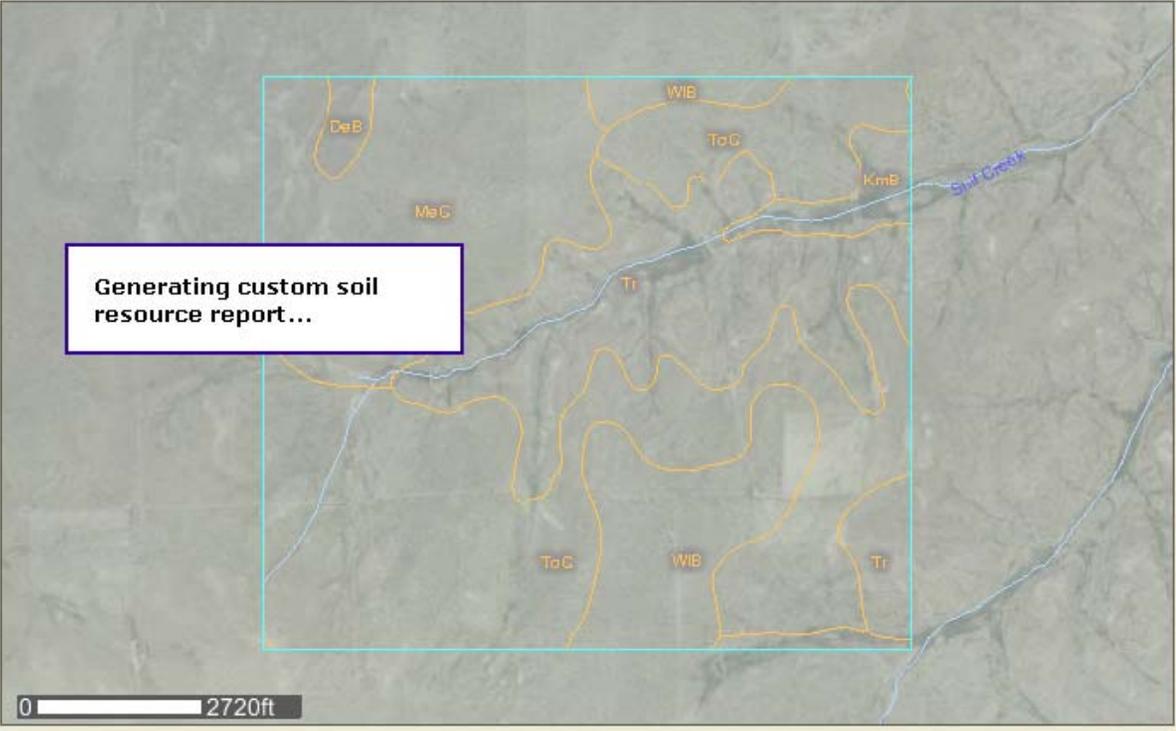
**Map Options**

Map Scale

Printed Sheet Size

Show UTM  Coordinate Ticks

**Table of Contents** ?



0 2720ft

# Custom Soil Resource Report

1 / 28 47.5% Find

**Bookmarks**

- Cover
- Preface
- Contents
- How Soil Surveys Are Made
- Soil Map
  - Soil Map
  - Legend
  - Map Unit Legend
- Map Unit Descriptions
  - Bent County, Colorado
    - Version date: 1/17/2008 2:11:34 PM
      - DeB—Deertrail clay loam, 0 to 5 percent slopes
      - KmB—Kim loam, 0 to 5 percent slopes
      - MoC—Minne

**USDA** United States Department of Agriculture  
**NRCS** Natural Resources Conservation Service

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 Bent County, Colorado

