

# Ecological Site Composition & Biomass

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# Web Soil Survey

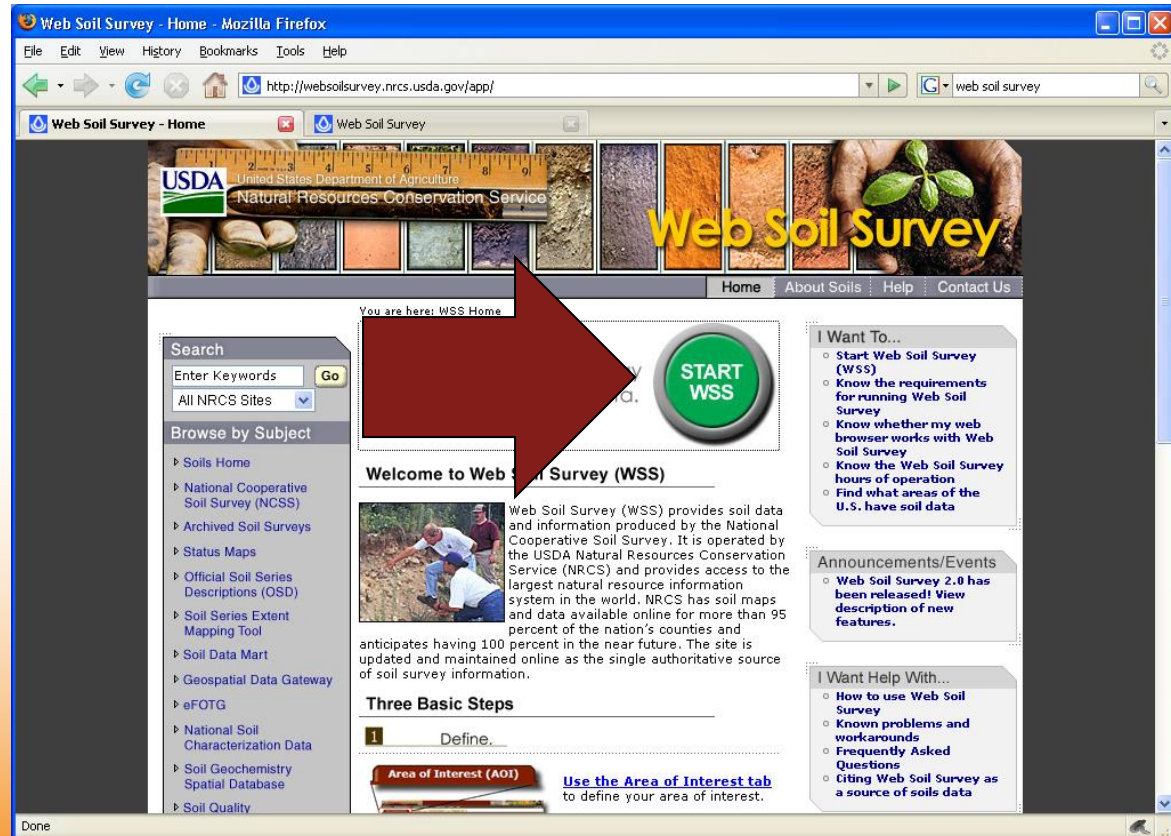
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- Provides soil report
- Provides access to full soil survey report content
- Allows availability to download spatial, tabular, and thematic soil data

# Web Soil Survey

Start web soil survey

Click “start WSS”



The screenshot shows the Web Soil Survey homepage in a Mozilla Firefox browser window. The address bar displays the URL <http://websoilsurvey.nrcs.usda.gov/app/>. The page features a header with the USDA logo and the text "United States Department of Agriculture" and "Natural Resources Conservation Service". The main content area includes a search bar, a "Browse by Subject" menu, and a "START WSS" button. A red arrow points to the "START WSS" button. The page also contains a "Welcome to Web Soil Survey (WSS)" section, a "Three Basic Steps" section, and several "I Want To..." and "I Want Help With..." sections.

Web Soil Survey - Home - Mozilla Firefox  
http://websoilsurvey.nrcs.usda.gov/app/  
web soil survey

Web Soil Survey - Home

USDA 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
- Soil Quality

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 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.

Three Basic Steps

1 Define.

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

I Want To...

- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey
- Know whether my web browser works with Web Soil Survey
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

Announcements/Events

- Web Soil Survey 2.0 has been released! [View description of new features.](#)

I Want Help With...

- How to use Web Soil Survey
- Known problems and work-arounds
- Frequently Asked Questions
- Citing Web Soil Survey as a source of soils data

# Find an Area of Interest (AOI)

The screenshot displays the 'Web Soil Survey' application interface. On the left, the 'Quick Navigation' panel is visible, featuring a 'Navigate By...' section with a red circle highlighting the 'State and County' options. Below this, there are dropdown menus for 'State' (set to 'Idaho') and 'County (optional)' (set to 'Ada'), each with a 'View' button. A vertical 'Legend' tab is positioned between the navigation panel and the map.

The main 'Area of Interest Interactive Map' panel on the right shows a topographic map of Idaho and surrounding regions. The map includes labels for various counties such as Parma, Emmett, Pearl, Idaho City, Boise, Barber, Meridian, Kuna, Ada, Orchard, Elmore, Mountain Home, Oreana, Murphy, Melba, Canyon, Nampa, Owyhee, Malheur, and Oregon. Major roads like I-84 and I-21 are also shown. The map interface includes a toolbar with navigation icons, a 'View Extent' dropdown set to 'Continental U.S.', and a 'Scale' dropdown set to '(not to scale)'. A scale bar at the bottom of the map indicates a distance of 16.7 miles.

At the bottom of the browser window, a footer contains the following text: 'FOIA | Accessibility Statement | Privacy Policy | Non-Discrimination Statement | Information Quality | USA.gov | White House'. The browser's address bar shows 'Done'.

# Zoom in and set AOI

The screenshot displays the Web Soil Survey web application. At the top, the navigation bar includes links for "Contact Us", "Download Soils Data", "Archived Soil Surveys", "Preferences", "Logout", and "Help". Below this, a secondary navigation bar features "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart".

The main content area is divided into two panels:

- Area of Interest Properties:** This panel contains a "Clear AOI" button, an "AOI Information" section with a "Name" input field, and "Map Unit Symbols" options. The "Use Soil Survey Area Map Unit Symbols" option is selected. It also displays the "Area (acres)" as 3,871.9. Below this, it lists "Soil Data Available from Web Soil Survey" for "Ada County Area, Idaho (ID666)", including "Soil Maps" (Version 3, Dec 12, 2005) and "Soil Data" (Version 5, Jan 31, 2008). A second "Clear AOI" button is located at the bottom of this panel.
- Area of Interest Interactive Map:** This panel features a toolbar with icons for zooming, panning, and other map functions. It includes a "View Extent" dropdown menu set to "Continental U.S." and a "Scale" dropdown menu set to "(not to scale)". The map itself shows a grayscale topographic view of a region in Idaho, with a cyan hatched rectangular area indicating the selected Area of Interest. Labels for "Ada" and "Idaho" are visible on the map.

Two large red arrows point from the top of the page down to the "Area of Interest Properties" and "Area of Interest Interactive Map" panels, respectively, highlighting the focus of the tutorial.

# Select "Soil Map" Tab

The screenshot shows the Web Soil Survey interface. The 'Soil Map' tab is selected and highlighted with a red circle. Below the tabs, there are buttons for 'Printable Version' and 'Add to Shopping Cart'. The main content area is divided into two panels: 'Map Unit Legend' on the left and 'Soil Map' on the right. A red arrow points from the 'Soil Map' tab to the 'Map Unit Legend' table.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
14	Brent loam, low rainfall, 2 to 4 percent slopes	45.3	1.2%
15	Brent loam, low rainfall, 4 to 8 percent slopes	64.5	1.7%
22	Cashmere coarse sandy loam, 0 to 4 percent slopes	606.7	15.7%
66	Harpt loam, 0 to 2 percent slopes	20.4	0.5%
69	Haw-Lankbush complex, 15 to 25 percent slopes	897.2	23.2%

The 'Soil Map' panel displays a map of the Ada County Area, Idaho (ID666). The map shows a topographic view with a cyan rectangular area of interest (AOI) overlaid. The map is annotated with orange contour lines and numerical values (15, 69, 90, 151, 22, 70, 152, 150, 89, 151, 152) representing soil map units. A scale bar at the bottom of the map indicates 0 to 3656ft. The map interface includes navigation tools (search, zoom, pan, AOI, back, forward, info, print) and a 'Scale' dropdown menu set to '(not to scale)'. A 'Legend' label is visible on the left side of the map panel.

# Select “Soil Data Explorer” Tab

The screenshot displays a web application interface for soil data exploration. The top navigation bar contains four tabs: "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart". The "Soil Data Explorer" tab is highlighted with a red circle and a red arrow pointing to it. Below the navigation bar, there is a dropdown menu for "View Soil Information By Use:" set to "All Uses", and buttons for "Printable Version" and "Add to Shop".

The main content area is divided into two sections. On the left, the "Soil Reports" section is expanded, showing a list of report categories with expand/collapse icons:

- AOI Inventory
- Building Site Development
- Construction Materials
- Land Classifications
- Land Management
- Recreational Development
- Sanitary Facilities
- Soil Chemical Properties
- Soil Erosion
- Soil Physical Properties
- Soil Qualities and Features
- Vegetative Productivity
- Waste Management
- Water Features
- Water Management

On the right, the "Map" section is visible, featuring a legend, a toolbar with navigation and map tools (including a search icon, a hand icon, a globe icon, an AOI icon, left and right arrow icons, an information icon, and a print icon), and a "Scale" dropdown menu set to "(not to scale)". The map itself shows a grayscale aerial view with yellow contour lines and a red rectangular area of interest. A road labeled "16" and a creek labeled "Carpenter Creek" are also visible on the map.

# Select “Soil Reports”

The screenshot displays the Web Soil Survey interface. The left sidebar contains a list of report categories. A red arrow points to the **Vegetative Productivity** category, which is circled in red. Below it, another red arrow points to the **View Soil Report** button, also circled in red. A third red arrow points to the **View Soil Report** button in the Options section, which is also circled in red. The right sidebar shows a map and a list of map units, including **Ada County** and **14—Brent loam, low rainfall, 2 to 4 percent slopes**.

Web Soil Survey - Home

Web Soil Survey

Secondary Facilities

Soil Chemical Properties

Soil Erosion

Soil Physical Properties

Soil Qualities and Features

**Vegetative Productivity**

Forestland Productivity

Irrigated and Nonirrigated Yields by Map Unit Component

Irrigated Yields by Map Unit Component

Nonirrigated Yields by Map Unit Component

Rangeland Productivity

**Rangeland Productivity and Plant Composition**

View Description View Soil Report

Options

Include Minor Soils

View Soil Report

Waste Management

Water Features

Water Management

Report — Ra

Ada County

Map unit symbol and soil name

14—Brent loam, low rainfall, 2 to 4 percent slopes

Brent, low rainfall

Done

# Final Productivity Soil Report

Report — Rangeland Productivity and Plant Composition

Ada County Area, Idaho

Map unit symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		
14—Brent loam, low rainfall, 2 to 4 percent slopes						<i>Pct</i>
Brent, low rainfall	Loamy 8-12 Artrw8/pssps-acth7	800	600	400	Bluebunch wheatgrass	35
					Big sagebrush	20
					Miscellaneous perennial grasses	10
					Indian ricegrass	5
					Antelope bitterbrush	5
					Miscellaneous perennial forbs	5
					Thurber	5

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# THANK YOU

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