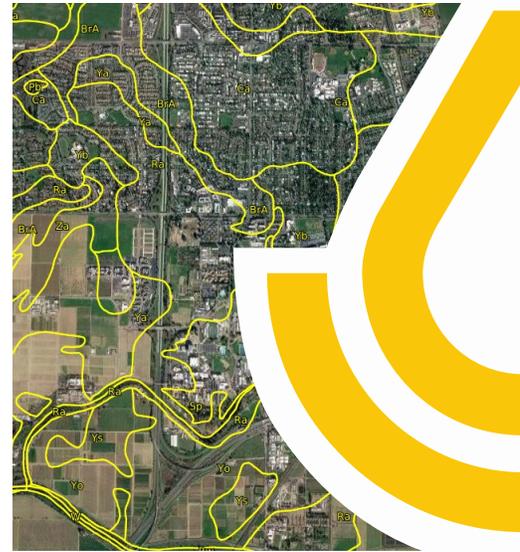




# Defining an AOI for Web Soil Survey on a Mobile Device



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

Web Soil Survey

Search

Area of Interest

- Import AOI

Quick Navigation

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

Area of Interest Interactive Map

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



National Soil Survey Center

Natural Resources Conservation Service

[nrcs.usda.gov/](http://nrcs.usda.gov/)

## Two Options

Two options are available for defining an area of interest on the Web Soil Survey while using a mobile device.

### Option 1

Attach a regular or wireless mouse to the smart device. With a mouse, you can use the **Define AOI** buttons  just as you would if using a desktop computer.

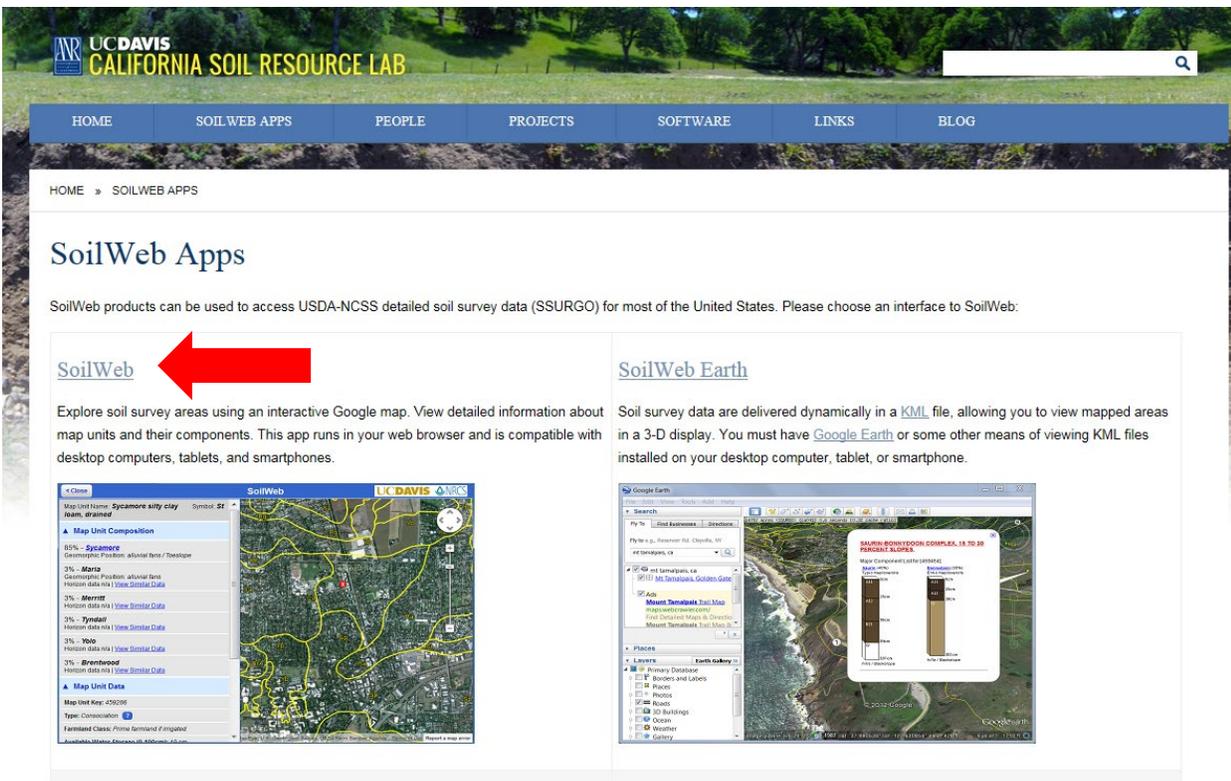
### Option 2

Use the web-based SoilWeb app to select a point location. The app can then create an area of interest (AOI) in WSS around that point.

## SoilWeb

Access the SoilWeb app using a web browser, such as Chrome, IE, Safari, or Samsung Internet. The app is on the UC Davis California Soil Resource Lab website at <https://casoilresource.lawr.ucdavis.edu/soilweb-apps/>.

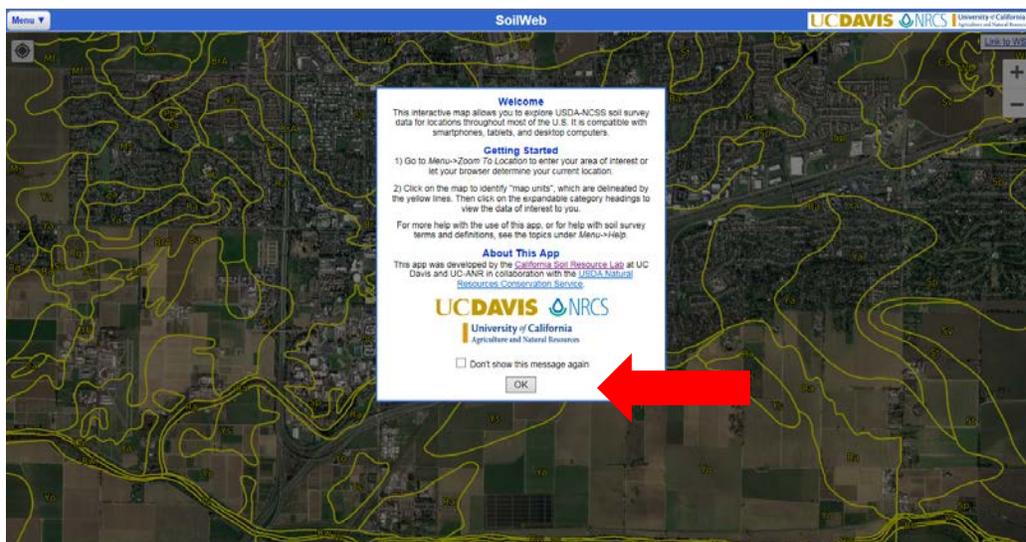
1. Click **SoilWeb**. The application runs from your browser and is not downloaded onto your device.



The screenshot shows the UC Davis California Soil Resource Lab website. The navigation bar includes links for HOME, SOILWEB APPS, PEOPLE, PROJECTS, SOFTWARE, LINKS, and BLOG. The main content area is titled "SoilWeb Apps" and contains the text: "SoilWeb products can be used to access USDA-NCSS detailed soil survey data (SSURGO) for most of the United States. Please choose an interface to SoilWeb:". Below this text are two options: "SoilWeb" and "SoilWeb Earth". A red arrow points to the "SoilWeb" link. The "SoilWeb" option includes a description: "Explore soil survey areas using an interactive Google map. View detailed information about map units and their components. This app runs in your web browser and is compatible with desktop computers, tablets, and smartphones." Below the description is a thumbnail image of the SoilWeb interface showing a map with various soil units and a legend. The "SoilWeb Earth" option includes a description: "Soil survey data are delivered dynamically in a KML file, allowing you to view mapped areas in a 3-D display. You must have Google Earth or some other means of viewing KML files installed on your desktop computer, tablet, or smartphone." Below the description is a thumbnail image of the Google Earth interface showing a 3D view of a soil survey area.



2. Click **OK** in the welcome box.

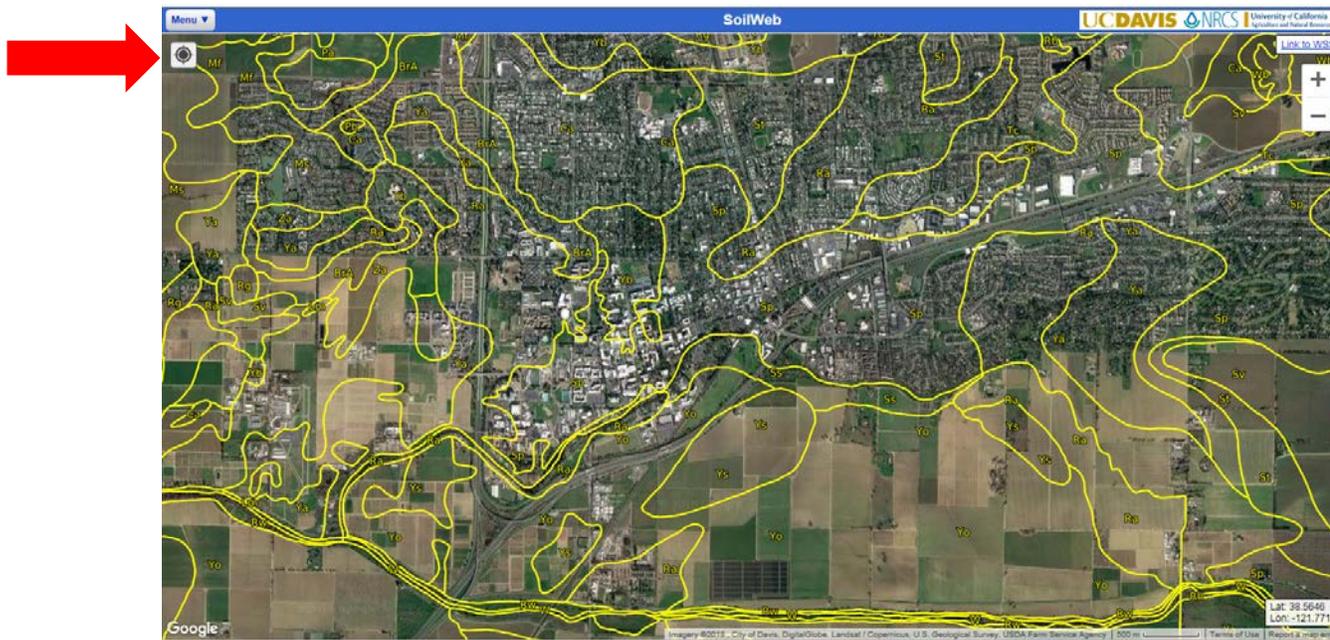


3. You can pick a location in two ways.

- I. Zoom to My Location (only for devices that have GPS).
- II. Search by Location (address, city/state, zip code, landmark, or latitude/longitude).

## I. Zoom to My Location

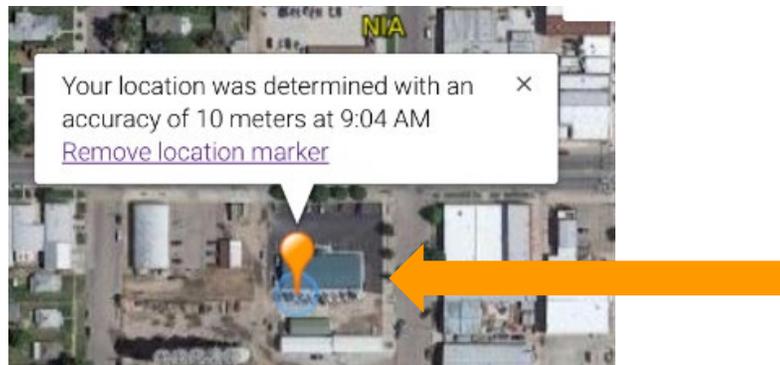
1. Click the **Zoom to my location using the current geolocation settings** button  in the **upper left corner** of the map.



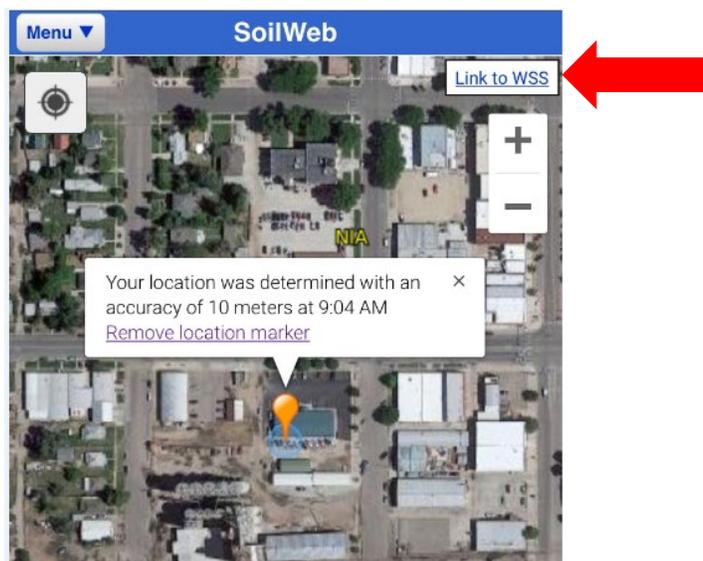
2. The following message appears. Make sure to allow permission to determine your location.



3. Once your location is determined, a message appears stating that your location was determined and to what accuracy. Signal strength determines the accuracy; repeating step 1 may increase your accuracy. An orange marker shows your location.

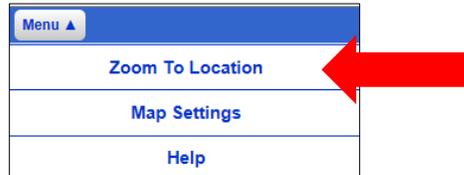


4. After your location is determined, you can (1) continue using the SoilWeb application to get soil information or (2) click **Link to WSS** in the upper right corner of the map to get soil information through WSS. The link creates an Area of Interest (AOI) in WSS. See the section "Web Soil Survey" below.

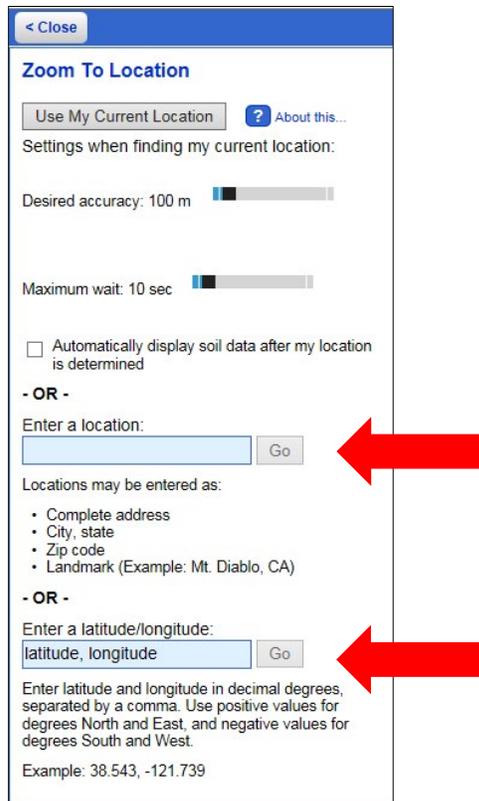


## II. Search by Location

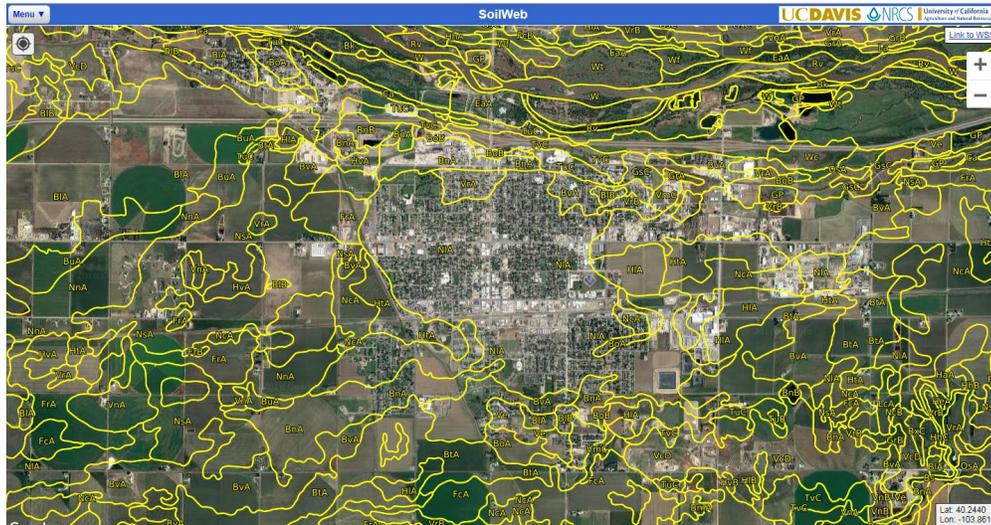
1. If you do not use the **Zoom to my location using the current geolocation settings** button, you can search for a location by clicking the **Menu** button  in the upper left-hand corner of the app. Next, select **Zoom to Location**.



2. A search box opens that allows you to enter **a location** or **a latitude and longitude**. Choose your search option and click **Go**.

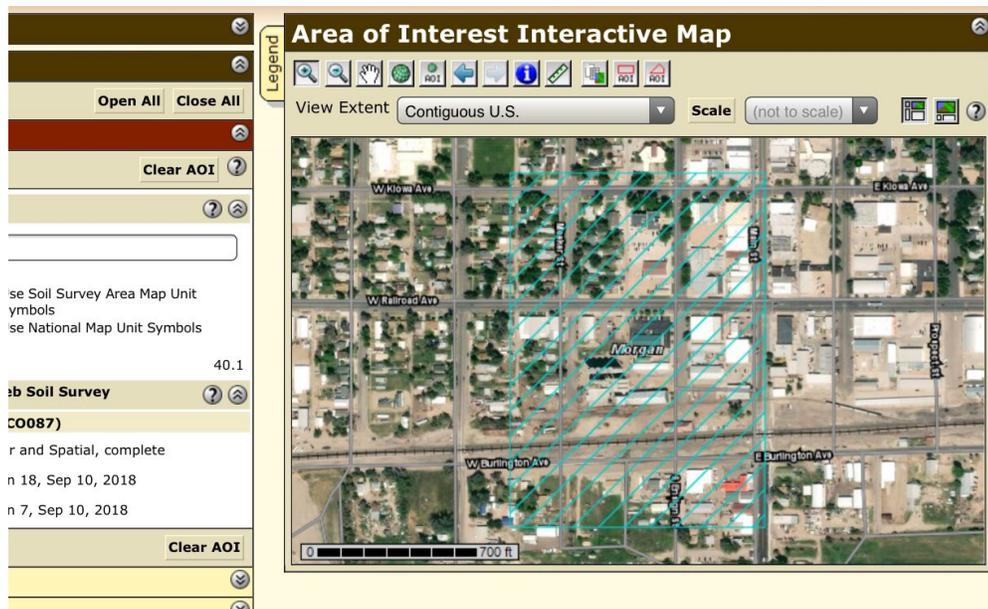
A screenshot of the "Zoom To Location" search interface. At the top left is a "< Close" button. Below it is the title "Zoom To Location". There is a button "Use My Current Location" and a link "? About this...". Underneath is the text "Settings when finding my current location:". There are two sliders: "Desired accuracy: 100 m" and "Maximum wait: 10 sec". Below the sliders is a checkbox labeled "Automatically display soil data after my location is determined". A separator "- OR -" follows. There are two input options: "Enter a location:" with a text box and a "Go" button, and "Enter a latitude/longitude:" with a text box containing "latitude, longitude" and a "Go" button. Below these is a list of "Locations may be entered as:" with bullet points: "Complete address", "City, state", "Zip code", and "Landmark (Example: Mt. Diablo, CA)". Another separator "- OR -" follows. Below that is the text "Enter latitude and longitude in decimal degrees, separated by a comma. Use positive values for degrees North and East, and negative values for degrees South and West." and an example: "Example: 38.543, -121.739". Two red arrows point from the right side of the screen to the "Go" buttons of the "Enter a location:" and "Enter a latitude/longitude:" fields.

3. A map of the location is displayed. After the map appears, you can (1) continue using the SoilWeb application to get soil information or (2) click **Link to WSS** in the **upper right corner** of the map to access soil information through WSS. This link creates an Area of Interest (AOI) in WSS. See the section “Web Soil Survey” below.



## Web Soil Survey

1. Regardless of which method you use to find a location, the **Link to WSS** button opens the Web Soil Survey in a separate browser window. An AOI is generated around the location. The AOI is outlined in a light blue cross-hatched box.
2. If you need a larger AOI, go back to the SoilWeb application, zoom out, and then click **Link to WSS** again.



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