

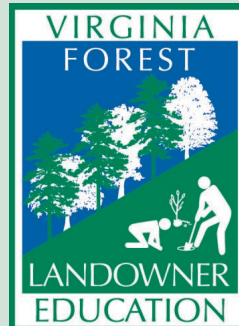
# Using the Web Soil Survey

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Virginia Forest Landowner  
Education Program

The screenshot shows the USDA Web Soil Survey homepage. At the top, there is a banner with the USDA logo, the text "United States Department of Agriculture" and "Natural Resources Conservation Service", and the title "Web Soil Survey" in large yellow letters. Below the banner is a navigation bar with links for "Home", "About Soils", "Help", and "Contact Us". The main content area is divided into several sections:

- Search:** A search box with the text "Enter Keyword" and a "Go" button. Below it is a dropdown menu for "All NRCS Sites".
- Browse by Subject:** A list of links including "Soils Home", "National Cooperative Soil Survey (NCSS)", "Archived Soil Surveys", "Status Maps", "Official Soil Series Descriptions (OSD)", "Series Extent Explorer", "Geospatial Data Gateway", "eFOTG", "National Soil Characterization Data", "Soil Health", and "Soil Geography".
- Welcome to Web Soil Survey (WSS):** A section with a photo of people in a field and text explaining that 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.
- Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center at the following link: [USDA Service Center](#) or your NRCS State Soil Scientist at the following link: [NRCS State Soil Scientist](#).**
- Four Basic Steps:** A section with a numbered list starting with "1 Define...". Below this is a screenshot of the "Area of Interest (AOI)" tool, which shows a map with a red line indicating a defined area. The text says: "Use the Area of Interest tab to define your area of interest. Click or Press the Enter or Spacebar key to view the larger image. Press the Escape key to close."
- I Want To...:** A list of links including "Start Web Soil Survey (WSS)", "Know Web Soil Survey Requirements", "Know Web Soil Survey operation hours", "Find what areas of the U.S. have soil data", "Find information by topic", "Know how to hyperlink from other documents to Web Soil Survey", "Know the SSURGO data structure", and "Use Web Soil Survey on a mobile device".
- Announcements/Events:** A section with a link for "Web Soil Survey 3.4.0 has been released! View Web Soil Survey release history" and a link for "Sign up for e-mail updates via GovDelivery".
- I Want Help With...:** A list of links including "Getting Started With Web Soil Survey" and "How to use Web Soil Survey Online".



# SOIL SURVEYS

- You will learn about soil surveys in Module 4
- There are still a few areas in the east that don't have a soil survey – [click here to check your property](#)
- If no survey is available, please contact your local [Natural Resources Conservation Service \(NRCS\) office](#) ~ they may be able to map your property
- Hard copies of soil surveys are still available for some locations – check your local NRCS office
- The [Web Soil Survey](#) (WSS) is the best place to find your soils data
- You can also make topo maps and find aerial photos on the WSS, but I recommend doing this in the more user-friendly Google Earth

# WEB SOIL SURVEY

- Go to <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>

- Click the green button: Start WSS

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



- If you have a physical address for your property, click “Address” on the left-hand menu under the “Quick Navigation” tab; enter your address; click view

The screenshot shows the USDA Web Soil Survey homepage. At the top, there are navigation links: Contact Us, Subscribe, Archived Soil Surveys, Soil Survey Status, Glossary, Preferences, Link, Logout, and Help. Below these are tabs for Area of Interest (AOI), Soil Map, Soil Data Explorer, Download Soils Data, and Shopping. The main content area is divided into several sections. On the left, there is a 'Search' section, an 'Area of Interest' section with an 'Import AOI' button, and a 'Quick Navigation' section. Under 'Quick Navigation', the 'Address' tab is selected and circled in red. This section contains an 'Address' input field, a 'View' button, and a 'Show location marker' checkbox which is checked. Below this are several dropdown menus for selecting location types: 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, and Hydrologic Unit. On the right, there is an 'Area of Interest Interactive Map' section with a legend and a map of the United States showing state boundaries and soil survey areas.

# WEB SOIL SURVEY

- If you don't have a physical address, click "State and County" on the left-hand menu under the "Quick Navigation" tab; from here you can zoom in to locate your property

USDA United States Department of Agriculture  
Natural Resources Conservation Service

Contact Us | Subscribe | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout

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

Search

Area of Interest

Import AOI

Quick Navigation

Address

**State and County**

View ?

State: Alabama

County (optional)

View

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

Hydrologic Unit

Area of Interest Interactive Map

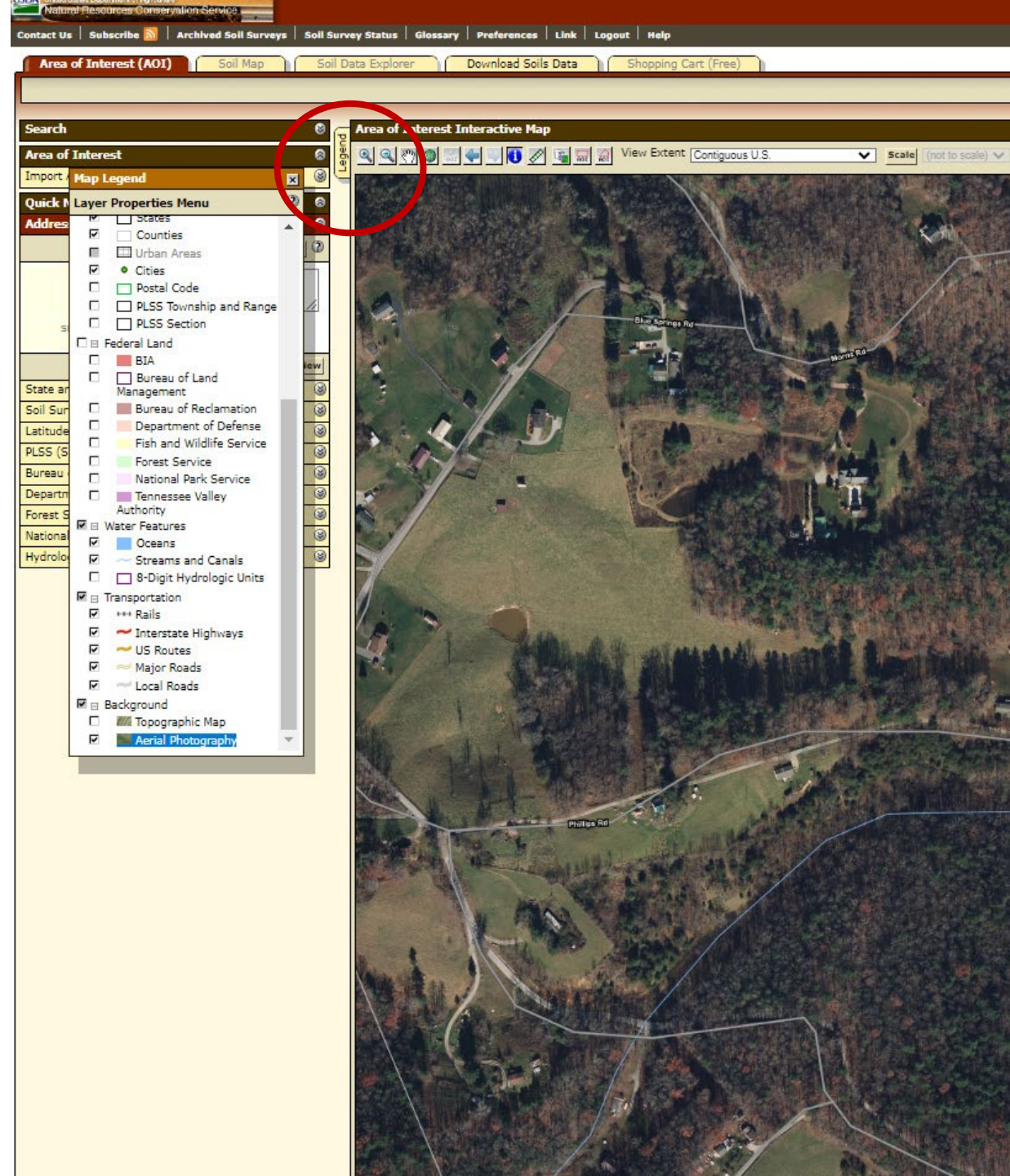
Legend

WA, OR, ID, NV, CA

# WEB SOIL SURVEY

Either option will bring up an aerial photo of your property. To find the year it was taken, click the “Legend” tab

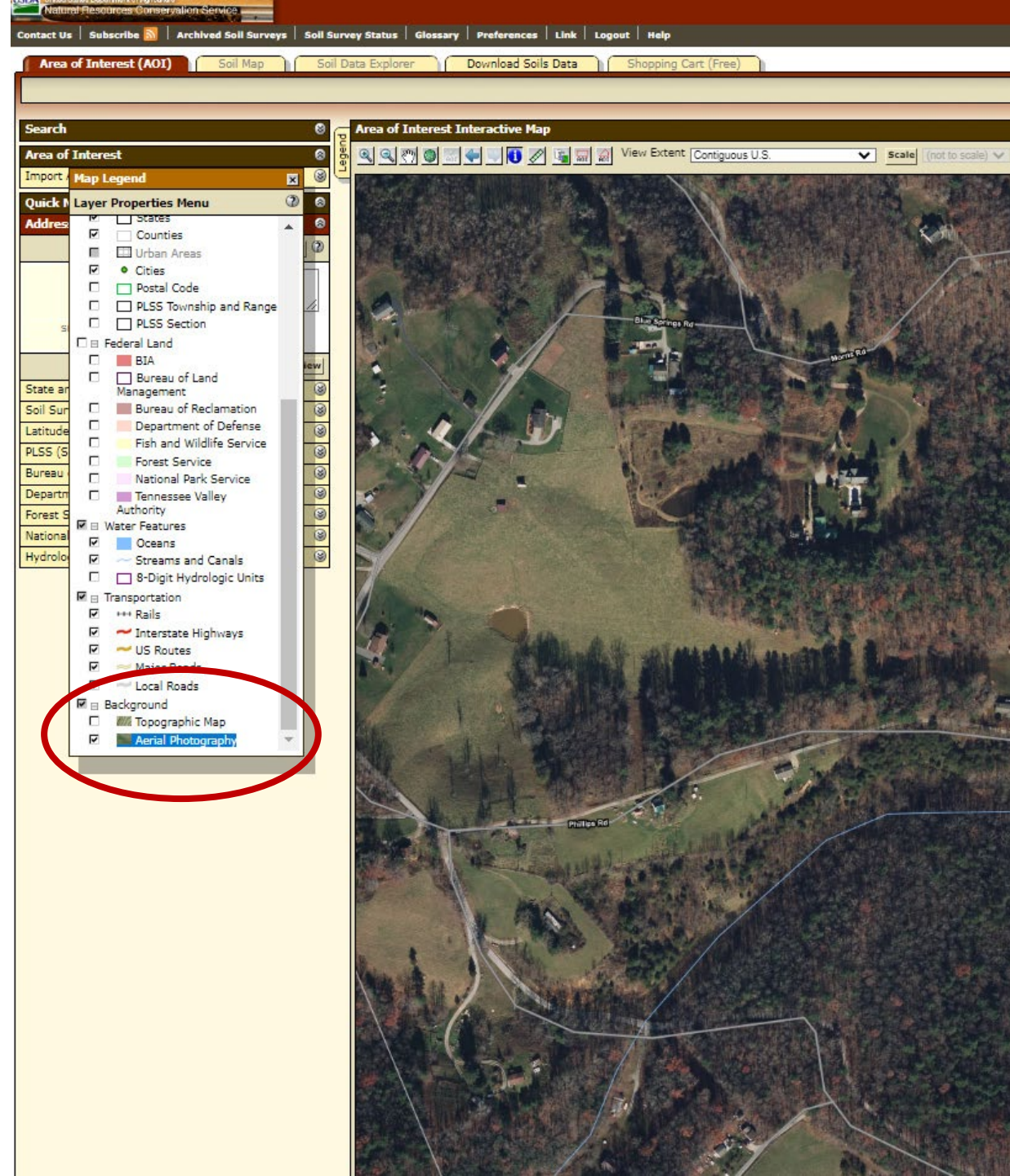
- when the legend appears, scroll down to find “Aerial Photography”



# WEB SOIL SURVEY


Either option will bring up an aerial photo of your property. To find the year it was taken, click the “Legend” tab

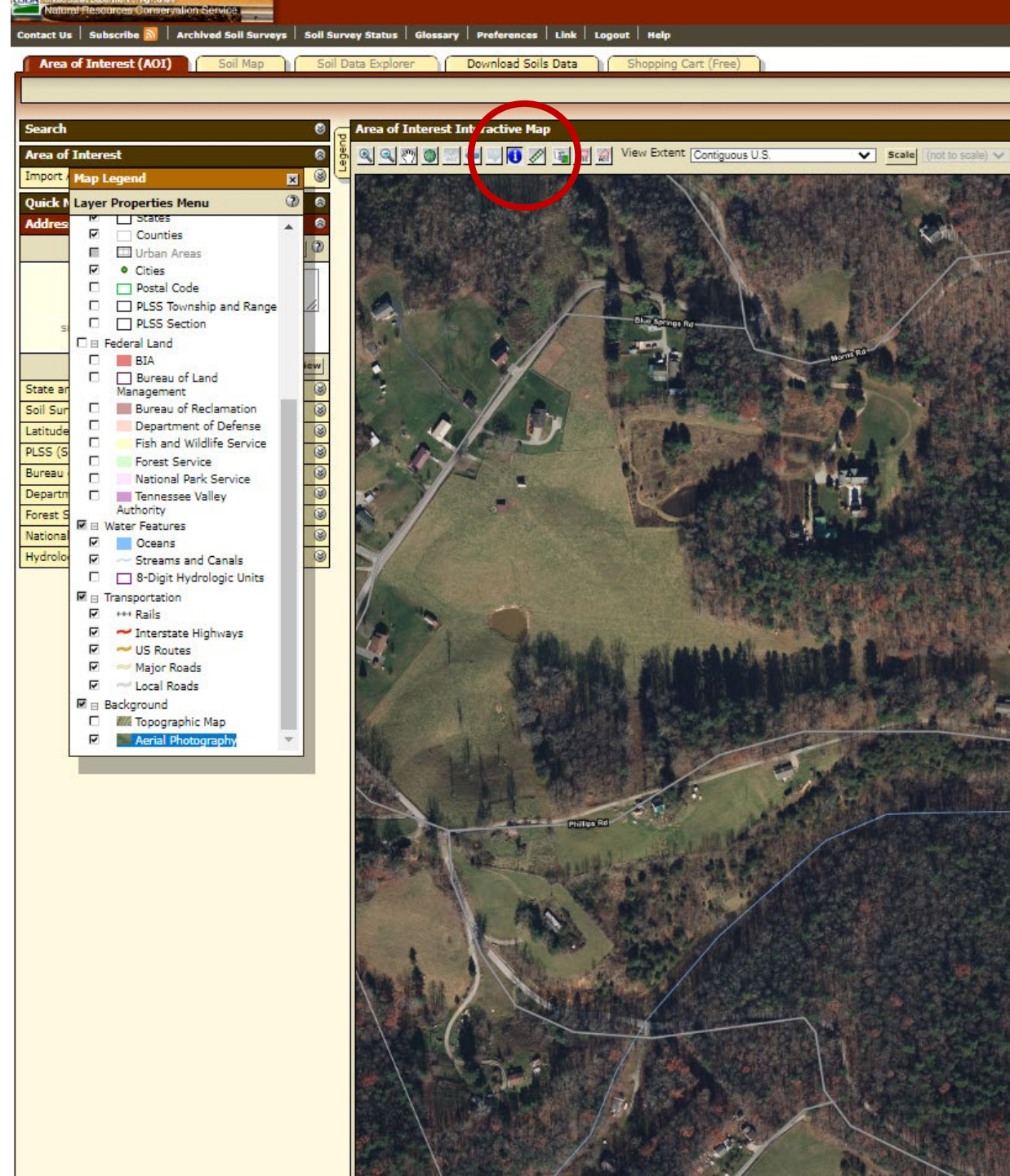
- when the legend appears, scroll down to find “Aerial Photography”
- highlight “Aerial Photography”



# WEB SOIL SURVEY

Either option will bring up an aerial photo of your property. To find the year it was taken, click the “Legend” tab

- when the legend appears, scroll down to find “Aerial Photography”
- highlight “Aerial Photography”
- click the  on the top of the photo, then click the photo – the information will appear in a table below the aerial photo



The aerial photo for this property is from November 2020



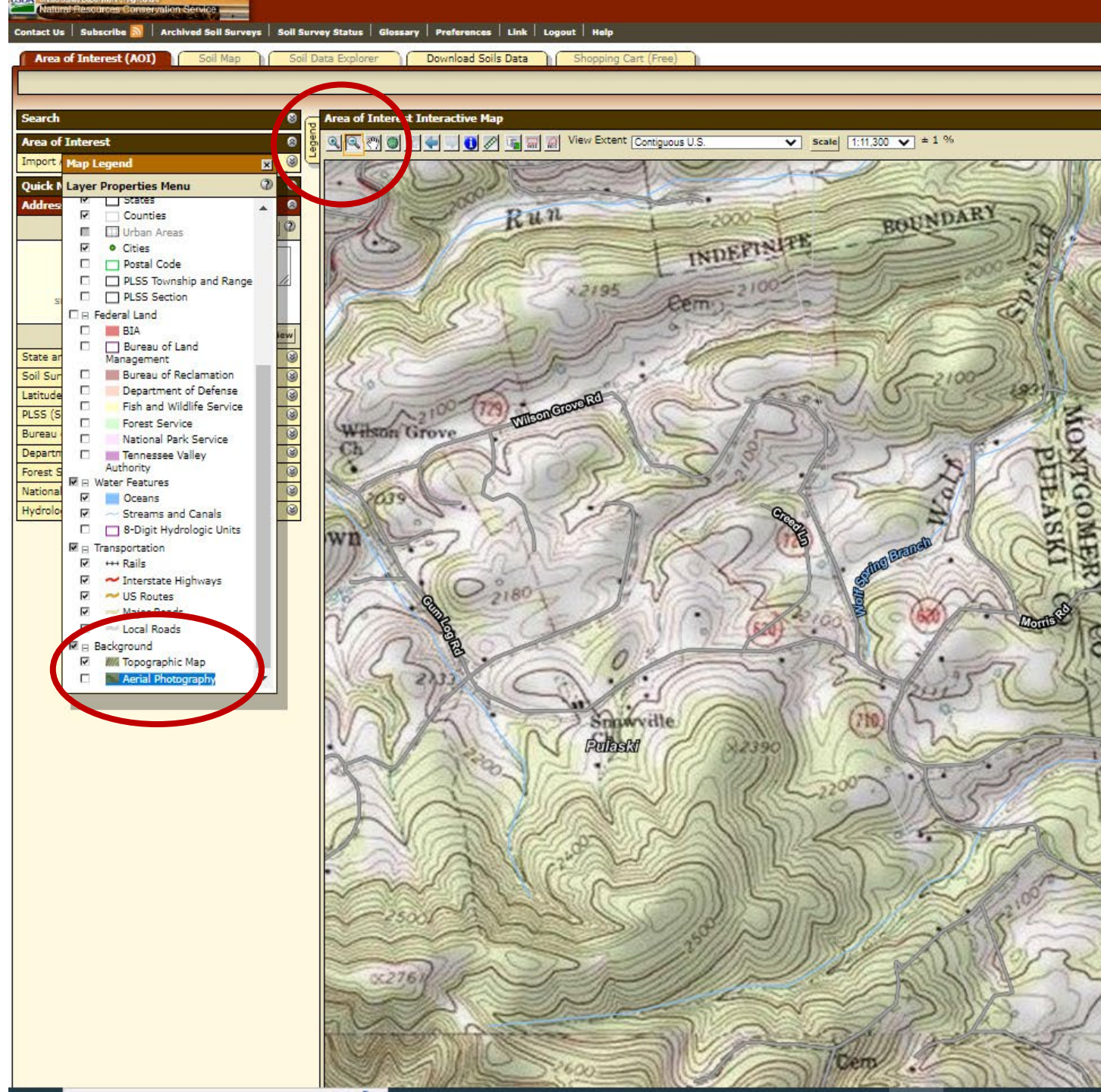
Identify			
Layer	Attribute Name	Attribute Value	
Location	Latitude, Longitude	37.00792°, -80.54365°	
States	State Name	Virginia	
	State Abbreviation	VA	
	State FIPS Code	51	
Counties	County Name	Montgomery	
	FIPS Code	51121	
	State Name	Virginia	
Aerial Photography	Date(s) Photographed	Nov 14, 2020—Nov 19, 2020	



# WEB SOIL SURVEY

The WSS includes topo maps

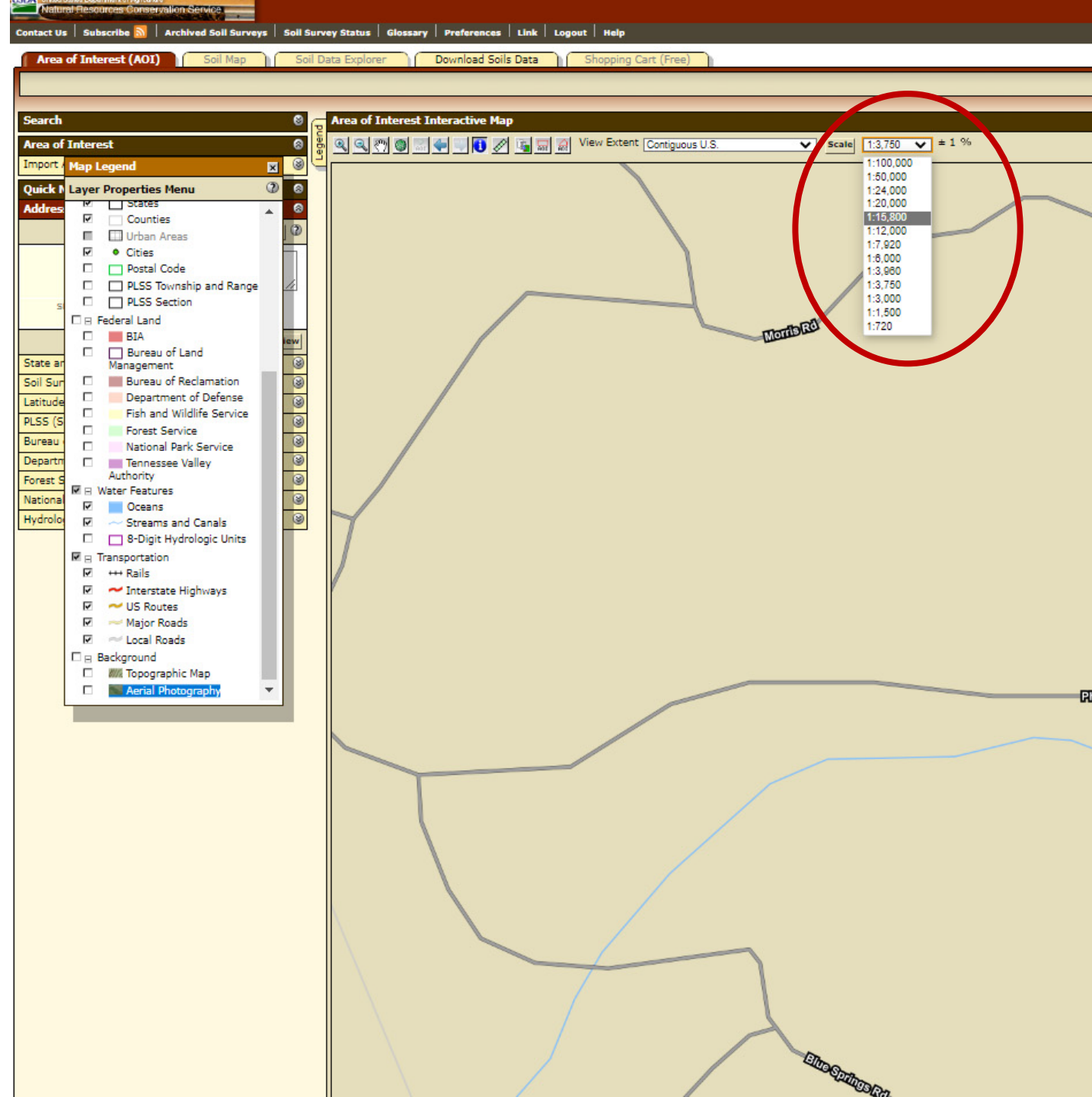
- Click on the “Legend” tab
- Scroll down and select “Topographic Map”
- This topo map should be the same as the one in Google Earth
- You can zoom in and out – just note the changes in scale



# WEB SOIL SURVEY

The WSS allows you to set the scale of the maps

- Click the “Scale” button over the photo and follow the instructions to calibrate your computer screen
- Set the scale to 1:24000



# WEB SOIL SURVEY

Let's get to the soils

- Re-select “Aerial Photography” from the “Legend” tab
- Select one of the two “AOI” (Area of Interest) boxes at the top of the photo – one tool works better for irregular borders
- Use this tool to outline your property
- Double click to close your polygon

The screenshot displays the Web Soil Survey web application. At the top, navigation tabs include "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", "Download Soils Data", and "Shopping Cart (Free)". The left sidebar contains a "Search" section and a "Map Legend" section. The "Map Legend" section is expanded to show the "AOI Properties Menu" with various layers checked, including "Area of Interest (AOI)", "Area of Interest (AOI)", "Location Marker", "Soils", "Political Features", "Water Features", "Transportation", and "Background". The "Background" section is further expanded, showing "Topographic Map" and "Aerial Photography" (which is selected). The main map area, titled "Area of Interest Interactive Map", shows an aerial photograph of a rural area with a red polygon overlaid on a portion of the land. The polygon is irregular and follows the boundaries of a property. A red arrow points from the "Aerial Photography" option in the legend to the polygon on the map. Another red arrow points from the "AOI" section in the legend to the top of the map area. The map also shows a road labeled "Phillips Rd" and a scale of 1:3,060.

# WEB SOIL SURVEY

- To see the total acres in your AOI look under “AOI Information” – should be close to your actual acreage

The screenshot displays the National Resources Conservation Service Web Soil Survey interface. The top navigation bar includes links for Contact Us, Subscribe, 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, Download Soils Data, and Shopping Cart (Free).

The main interface is divided into two columns. The left column contains several sections:

- Search**: Includes a search bar and a dropdown for Area of Interest.
- AOI Properties**: Includes buttons for Open All, Close All, and Clear AOI.
- AOI Information**: This section is circled in red. It contains a Name field, Map Unit Symbols (radio buttons for Use Soil Survey Area Map Unit Symbols and Use National Map Unit Symbols), and a table showing Area (acres) as 69.5. Below this, it lists Soil Data Available from Web Soil Survey for Montgomery County, Virginia (VA121), with details on availability and data versions.
- Import AOI**: Includes buttons for Create AOI from Shapefile, Create AOI from Zipped Shapefile, and Export AOI.
- Quick Navigation**: Includes a section for Address with a text input field containing "4800 phillips road hwassee va" and a Show location marker checkbox.
- View**: A section with multiple expandable options for navigation, including 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, and Hydrologic Unit.

The right column displays the **Area of Interest Interactive Map**. It features a toolbar with various map controls, a View Extent dropdown set to Contiguous U.S., and a Scale dropdown set to 1:3,000. The map itself is an aerial photograph with a cyan hatched area of interest overlaid. A road labeled "Phillips Rd" is visible on the map.

# WEB SOIL SURVEY

- To see the total acres in your AOI look under “AOI Information” – should be close to your actual acreage
- If you need to redraw your boundaries, look under “AOI Information” and click “Clear AOI”

The screenshot displays the Web Soil Survey interface. At the top, there are navigation tabs: "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", "Download Soils Data", and "Shopping Cart (Free)". Below the tabs is a search bar and a "Clear AOI" button. The main content area is divided into two panels: "AOI Information" on the left and "Area of Interest Interactive Map" on the right. The "AOI Information" panel includes fields for "Name", "Map Unit Symbols", "Area (acres)" (69.5), "Soil Data Availability from Web Soil Survey", "Montgomery County, Virginia (VA121)", "Data Availability", "Tabular Data" (Version 15, Aug 31, 2022), and "Spatial Data" (Version 3, Sep 16, 2019). Below this is the "Import AOI" section with options to "Create AOI from Shapefile" and "Create AOI from Zipped Shapefile", and an "Export AOI" button. The "Quick Navigation" section includes an "Address" field with "4800 phillips road hwassee va" and a "Show location marker" checkbox. The "Area of Interest Interactive Map" panel shows an aerial view of a landscape with a cyan hatched area of interest. A red arrow points from the "Clear AOI" button in the "AOI Information" panel to the "Clear AOI" button in the "AOI Properties" section of the "AOI Information" panel.

# WEB SOIL SURVEY

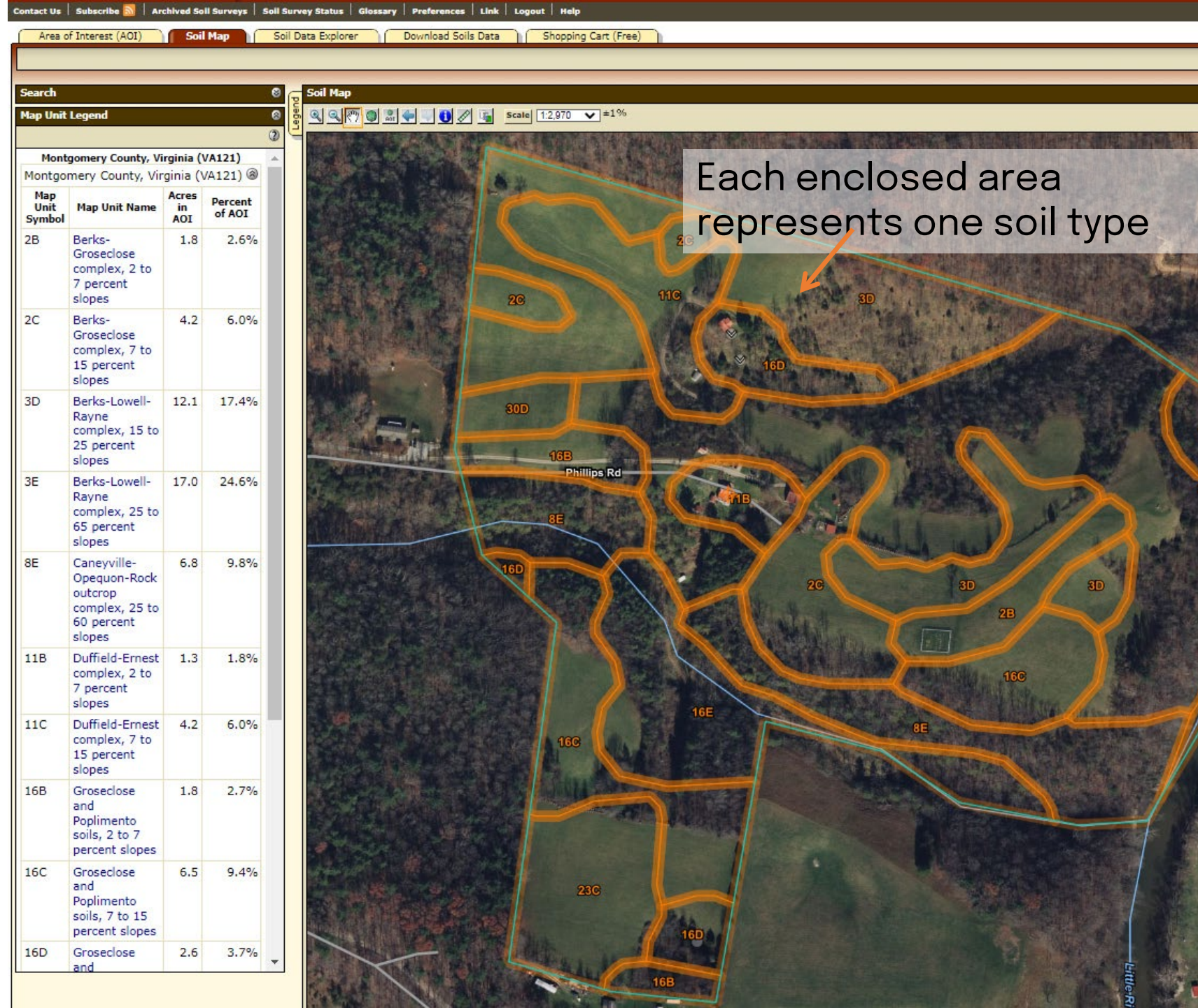
- To see the soils on your property, select the "Soil Map" tab

The screenshot shows the web soil survey interface for Montgomery County, Virginia (VA121). The 'Soil Map' tab is selected and highlighted with a red circle. The interface includes a search bar, a map unit legend, and a soil map of the property. The soil map shows various soil units outlined in orange, with labels such as 2B, 2C, 3D, 3E, 8E, 11B, 11C, 16B, 16C, 16D, 16E, 23C, and 30D. The map also shows a road labeled 'Phillips Rd' and a stream labeled 'Little R'. The scale is 1:2,970.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2B	Berks-Groseclose complex, 2 to 7 percent slopes	1.8	2.6%
2C	Berks-Groseclose complex, 7 to 15 percent slopes	4.2	6.0%
3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	12.1	17.4%
3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	17.0	24.6%
8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	6.8	9.8%
11B	Duffield-Ernest complex, 2 to 7 percent slopes	1.3	1.8%
11C	Duffield-Ernest complex, 7 to 15 percent slopes	4.2	6.0%
16B	Groseclose and Poplimento soils, 2 to 7 percent slopes	1.8	2.7%
16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	6.5	9.4%
16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	2.6	3.7%

# WEB SOIL SURVEY

- To see the soils on your property, select the “Soil Map” tab
- The soils in your AOI are identified by a number-letter combination



# WEB SOIL SURVEY

- To see the soils on your property, select the “Soil Map” tab
- The soils in your AOI are identified by a number-letter combination
- Each number-letter combination is defined in the “Map Unit Legend” on the left

Contact Us | Subscribe | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help

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

Search

Map Unit Legend

Montgomery County, Virginia (VA121)

Montgomery County, Virginia (VA121)

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2B	Berks-Groseclose complex, 2 to 7 percent slopes	1.8	2.6%
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16D	Groseclose and	2.6	3.7%

Soil Map

Scale: 1:2,970 ±1%



# WEB SOIL SURVEY

## Using the “Map Unit Legend”

- Match the map unit symbol (i.e., 2C) to the map unit name
- The “Map Unit Legend” will tell you how many acres (and the %) in your AOI have a particular soil and the name of the soil series
- Click on the soil series name to learn more about the soil

The screenshot displays the Web Soil Survey interface for Montgomery County, Virginia (VA121). The top navigation bar includes links for Contact Us, Subscribe, Archived Soil Surveys, Soil Survey Status, Glossary, Preferences, Link, and Help. Below this are tabs for Area of Interest (AOI), Soil Map, Soil Data Explorer, Download Soils Data, and Shopping Cart (Free).

The left sidebar contains a Search box and a Map Unit Legend table. The table lists map units with their symbols, names, acres in the AOI, and percentage of the AOI. The row for map unit 2C is circled in red. A red arrow points from this row to the soil map on the right, which shows various map units (2B, 2C, 3D, 8E, 11B, 11C, 16B, 16C, 16D) overlaid on an aerial photograph. Another red arrow points from the 2C row to a detailed description window for map unit 2C.

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2B	Berks-Groseclose complex, 2 to 7 percent slopes	1.8	2.6%
2C	Berks-Groseclose complex, 7 to 15 percent slopes	4.2	6.0%
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16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	6.5	9.4%
16D	Groseclose and	2.6	3.7%

**Report - Map Unit Description**  
Montgomery County, Virginia  
2C-Berks-Groseclose complex, 7 to 15 percent slopes

**Map Unit Setting**  
National map unit symbol: kC2t  
Elevation: 1,700 to 3,000 feet  
Mean annual precipitation: 30 to 45 inches  
Mean annual air temperature: 50 to 57 degrees F  
Frost-free period: 117 to 185 days  
Farmland classification: Not prime farmland

**Map Unit Composition**  
Berks and similar soils: 40 percent  
Groseclose and similar soils: 35 percent  
Estimates are based on observations, descriptions, and transects of the mapunit.

**Description of Berks**  
**Setting**  
Landform: Hills  
Landform position (two-dimensional): Summit, backslope  
Landform position (three-dimensional): Interfluvial, side slope  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Shale, siltstone, and sandstone residuum

**Typical profile**  
H1 - 0 to 7 inches: channely silt loam  
H2 - 7 to 23 inches: very channely silt loam  
H3 - 23 to 33 inches: extremely channely silt loam  
H4 - 33 to 79 inches: bedrock

**Properties and qualities**  
Slope: 7 to 15 percent  
Depth to restrictive feature: 20 to 40 inches to lithic bedrock  
Drainage class: Well drained  
Runoff class: Very high  
Capacity of the most limiting layer to transmit water (Ksat): Very low to high (0.00 to 5.95 in/hr)  
Depth to water table: More than 80 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

**Interpretive groups**  
Land capability classification (irrigated): None specified  
Land capability classification (nonirrigated): 3e  
Hydrologic Soil Group: S  
Ecological site: F12BXV514WV - Mesic Interbedded Sedimentary Wetlands  
Forage suitability group: Droughty Soils (G12BXB012VA)  
Other vegetative classification: Droughty Soils (G12BXB012VA)  
Hydric soil rating: No

**Description of Groseclose**  
**Setting**  
Landform: Hills  
Landform position (two-dimensional): Summit, backslope  
Landform position (three-dimensional): Interfluvial, side slope  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Limestone, shale, siltstone, and sandstone residuum

**Typical profile**  
H1 - 0 to 6 inches: silt loam  
H2 - 6 to 28 inches: clay  
H3 - 28 to 39 inches: clay  
H4 - 39 to 51 inches: clay  
H5 - 51 to 79 inches: clay loam

**Properties and qualities**  
Slope: 7 to 15 percent  
Depth to restrictive feature: More than 80 inches  
Drainage class: Well drained  
Runoff class: High  
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: More than 80 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

**Interpretive groups**

# WEB SOIL SURVEY

Select the “Soil Data Explorer” tab

- Select the “Vegetative Productivity” menu
- Select “Forest Productivity (Tree Site Index)” to compare site indices of different tree species
- Site index is a measure of productivity – the higher the site index, the more productive the soil is for growing a particular tree species

The screenshot displays the USDA Web Soil Survey interface. The top navigation bar includes links for 'Contact Us', 'Subscribe', 'Archived Soil Surveys', 'Soil Data Explorer', 'Download Soils Data', and 'Shopping Cart (Free)'. The 'Soil Data Explorer' tab is highlighted with a red circle. Below the navigation bar, the 'View Soil Information By Use' dropdown is set to 'All Uses'. The main content area is divided into several sections: 'Intro to Soils', 'Suitabilities and Limitations', 'Soil Properties and Qualities', 'Ecological Sites', and 'Soil Reports'. The 'Suitabilities and Limitations' section is expanded, showing a list of categories. The 'Vegetative Productivity' category is selected and expanded, showing a list of options. The 'Forest Productivity (Tree Site Index)' option is highlighted with a red circle. Below this, the 'View Options' section is visible, with checkboxes for 'Map', 'Table', 'Description of Rating', and 'Rating Options'. The 'Basic Options' section shows a dropdown menu for 'Tree' set to 'black cherry'. The 'Advanced Options' section is also visible. The right side of the interface shows a 'Soil Map' with a scale of 1:3,000 and a 1% zoom level. The map displays a landscape with various soil units outlined in orange, labeled with codes such as 2C, 11C, 3D, 16D, 30D, 16B, Phillips Rd, 11B, 8E, 16D, 2C, 3D, 16C, 16E, 8E, 23C, and 16D.

# WEB SOIL SURVEY

Select the “Soil Data Explorer” tab

- Select the “Vegetative Productivity” menu
- Select “Forest Productivity” to compare site indices of different tree species
- Select a species and click “View rating”

The screenshot displays the USDA Web Soil Survey interface. The top navigation bar includes links for 'Contact Us', 'Subscribe', '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', 'Download Soils Data', and 'Shopping Cart (Free)'. The 'Soil Data Explorer' tab is active, showing a search bar and a list of categories. The 'Vegetative Productivity' category is expanded, and the 'Forest Productivity (Tree Site Index)' sub-category is selected. A dropdown menu is open, listing various tree species such as 'black cherry', 'black locust', 'black oak', 'eastern redcedar', 'eastern white pine', 'northern red oak', 'pin oak', 'shortleaf pine', 'sugar maple', 'sweetgum', 'Virginia pine', 'white ash', and 'white oak'. A red arrow points from the text 'Select a species and click "View rating"' to the 'View Rating' button next to the 'black cherry' entry in the dropdown menu. The right side of the interface shows a 'Soil Map' with an aerial view of a property, overlaid with orange soil map units (e.g., 2C, 11C, 3D, 16D, 30D, 16B, Phillips Rd, 11B, 8E, 16D, 2C, 3D, 16E, 8E, 16C, 23C, 16D). The map includes a legend, scale (1:3,000), and a north arrow.

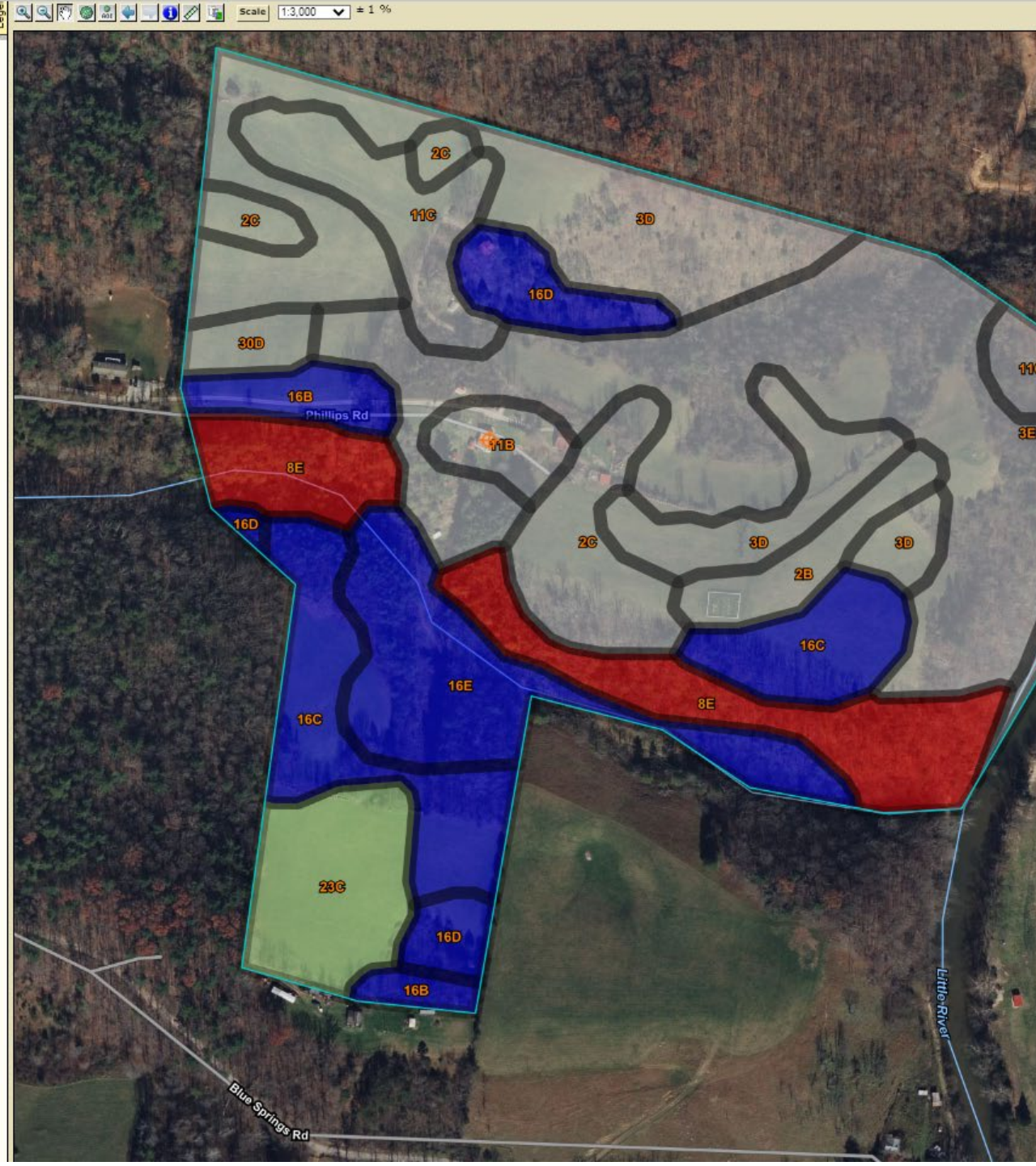
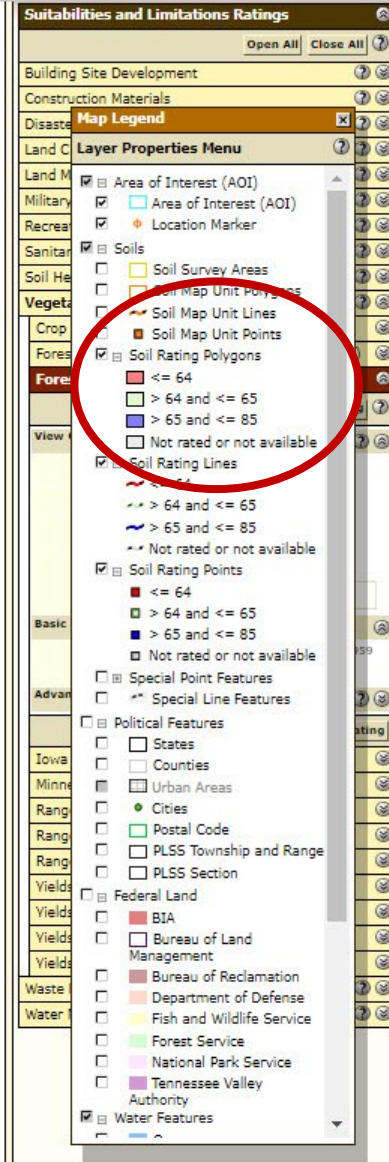
# WEB SOIL SURVEY

This will bring up a color-coded map

Colors indicate different productivity levels by soil type

Use the “Legend” tab to see productivity ratings

The ratings refer to site index



# WEB SOIL SURVEY

- On this property, 2C is a Berks-Groseclose complex, occurring on 7-15% slopes; 4.2 acres of the AOI are this soil type
- This soil has between 117-185 frost free days (i.e., growing season)
- Occurs at elevations between 1700 and 3000 feet
- Has a depth of 20 to 40"
- Site index for growing northern red oak is 70

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

Search

Map Unit Legend

Montgomery County, Virginia (VA121)

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Soil Map

Scale: 1:2,970 ±1%

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Montgomery County, Virginia

2C-Berks-Groseclose complex, 7 to 15 percent slopes

Map Unit Setting

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Map Unit Composition

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Description of Berks

Setting

Landform: Hills  
Landform position (two-dimensional): Summit, backslope  
Landform position (three-dimensional): Interfluvial, side slope  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Shale, siltstone, and sandstone residuum

Typical profile

H1 - 0 to 7 inches: channery silt loam  
H2 - 7 to 23 inches: very channery silt loam  
H3 - 23 to 33 inches: extremely channery silt loam  
H4 - 33 to 79 inches: bedrock

Properties and qualities

Slope: 7 to 15 percent  
Depth to restrictive feature: 20 to 40 inches to lithic bedrock  
Drainage class: Well drained  
Runoff class: Very high  
Capacity of the most limiting layer to transmit water (Ksat): Very low to high (0.00 to 5.93 in/hr)  
Depth to water table: More than 80 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Available water supply, 0 to 60 inches: Very low (about 2.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified  
Land capability classification (nonirrigated): 5e  
Hydrologic Soil Group: B  
Ecological site: F128XV514WV - Mesic Interbedded Sedimentary Uplands  
Forage suitability group: Droughty Soils (G128X8012VA)  
Other vegetative classification: Droughty Soils (G128X8012VA)  
Hydric soil rating: No

Description of Groseclose

Setting

Landform: Hills  
Landform position (two-dimensional): Summit, backslope  
Landform position (three-dimensional): Interfluvial, side slope  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Limestone, shale, siltstone, and sandstone residuum

Typical profile

H1 - 0 to 6 inches: silt loam  
H2 - 6 to 28 inches: clay  
H3 - 28 to 39 inches: clay  
H4 - 39 to 51 inches: clay  
H5 - 51 to 79 inches: clay loam

Properties and qualities

Slope: 7 to 15 percent  
Depth to restrictive feature: More than 80 inches  
Drainage class: Well drained  
Runoff class: High  
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: More than 80 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

- For a more advanced tutorial, visit:  
[http://websoilsurvey.nrcs.usda.gov/app/Help/WSS\\_HomePage\\_HowTo.pdf](http://websoilsurvey.nrcs.usda.gov/app/Help/WSS_HomePage_HowTo.pdf)
- You may be thinking to yourself, why would I use Google Earth Pro when I can get all the information I need, to scale, here on the WSS?
- Well, for one thing, you may have noticed a big difference in usability – Google Earth Pro is more user-friendly
- Google Earth Pro also has more aerial photos, including historic ones
- The choice is yours – use what you are comfortable with

# WEB SOIL SURVEY

- If you are a Smart Phone or Tablet user, there is a free App version of the WSS available
- This App does not have all the functionality the website does
- The App displays the soil type under your feet
- You can use this App to create your own soils map
- Search either in the iTunes Store or Google Play for: Soilweb (one word)

Set the desired GPS accuracy with the slider, and click "Done" to return to the main view.

SoilWeb for iPhone v 0.5

California Soil Resource Lab

LAND, AIR AND WATER RESOURCES

NRCS Natural Resources Conservation Service

Click to start application

Application starts with GPS disabled. Click "GPS" to start acquiring location data. Click on the "info" button for application details.

Once a location with sufficient accuracy is acquired, map unit components are displayed. Soil profiles link to their Official Series Description

Component names are linked to their details on the CA Soil Resource page. Use the "back" arrow to return to the main view.

Soil Taxonomy

Order: Entisols

Suborder: Oxisols [Map of Suborders]

Greatgroup: Xerothents

Subgroup: Typic Xerothents

Family: Coarse-loamy, mixed, nonacid, Xerothents

Soil Series: Pollasky [Link to OSD] [L]

Phase: Pollasky-Montpelier complex, G skppp

DWR: [Lab Data] [Private Data]

Raw Data: Component All Horizons

Land Classification

Scale Index: 2

Land Capability Class (non-irrigated): 4

Land Capability Class (irrigated): 4

Ecological Site Descriptions: 0

Soil Suitability Ratings

Water Regime: 2

Water Management: 0

LOCATION: MOLLISIA CA

Established Series: GLEHRC1 05/2006

**POLLASKY SERIES**

The Pollasky series consists of moderately deep, well drained, moderately coarse textured Regosols formed in the residuum from soft to moderately consolidated arkosic sediments. They occur on undulating to steep dissected terraces under annual grasses and forbs. They have brown, slightly acid sandy loam A horizons and pale brown to yellowish brown, slightly acid to neutral, sandy loam C horizons abruptly overlying consolidated granitic sediments. Pollasky soils occur in the same

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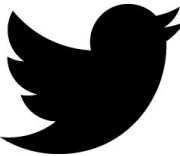
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