

# How to generate a NRCS Web Soil Survey report

Soil reports may now be generated from Web Soil Survey for individual map units or for an entire county.

To generate a soil report, follow these eight steps:

## 1. Start WSS:



Web Soil Survey: <http://websoilsurvey.nrcs.usda.gov>

## 2. Under the AOI tab, select Soil Survey Area:

The screenshot shows the top navigation bar with four tabs: 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Download Soils'. The 'Area of Interest (AOI)' tab is active. Below the tabs is a search bar and a list of options. The 'Soil Survey Area' option is highlighted in yellow and has a blue arrow pointing to it from the right.

Area of Interest (AOI)	Soil Map	Soil Data Explorer	Download Soils
<b>Search</b> (dropdown arrow)			
<b>Area of Interest</b> (up arrow)			
Import AOI (dropdown arrow)			
<b>Quick Navigation</b> (up arrow)			
Address			
State and County			
<b>Soil Survey Area</b> (blue arrow)			
Latitude and Longitude			
PLSS (Section, Township, Range)			
Bureau of Land Management			
Department of Defense			
Forest Service			
National Park Service			
Hydrologic Unit			

3. Select the state (New Hampshire) and county (Cheshire):

The 'Quick Navigation' window has a dark header with the title 'Quick Navigation' and a close button. Below the header are three yellow sections: 'Address', 'State and County', and 'Soil Survey Area'. The 'Soil Survey Area' section contains three buttons: 'Set AOI', 'Select Map Units', and 'View' with a help icon. Below these are two dropdown menus: 'State' set to 'New Hampshire' and 'County (optional)' set to 'Cheshire'. At the bottom is a table with columns: Name, Area Symbol, Data Availability, and Version.

Name	Area Symbol	Data Availability	Version
<input checked="" type="radio"/> Cheshire County, New Hampshire	NH005	Tabular and Spatial, complete	Survey Area: Version 17, Sep 12, 2014 Tabular: Version 15, Sep 12, 2014 Spatial: Version 4, Dec 13, 2013

You can either click on Set AOI or Select Map units.

If you click on "Set AOI" you will get the entire county you selected.

If you "Select Map Units" you will be able to click on one or more map units in the Soil Survey Area.

The 'Select Map Units' window has a title bar with a help icon and a close button. The main title is 'Cheshire County, New Hampshire (NH005)'. Below the title is a search section with a text input field, a 'Next' button, and two buttons: 'Select All' and 'Clear Selection'. The main area is a list of soil units, each with a checkbox and a description. The list is scrollable.

- 2—Suncook loamy fine sand
- 4—Pootatuck fine sandy loam
- 5—Rippowam fine sandy loam
- 6—Saco mucky silt loam
- 9—Winooski silt loam
- 10B—Merrimac fine sandy loam, 3 to 8 percent slopes
- 10C—Merrimac fine sandy loam, 8 to 15 percent slopes
- 14B—Sheepscot sandy loam, 0 to 5 percent slopes
- 15—Searsport mucky peat
- 22A—Colton loamy fine sand, 0 to 3 percent slopes
- 22B—Colton loamy fine sand, 3 to 8 percent slopes
- 22C—Colton loamy fine sand, 8 to 15 percent slopes

4. Then click on the Soil Data Explorer tab.

**Soil Data Explorer**

5. Click on either the Suitabilities and Limitations, Soil Properties, or Soil Reports tab.

In this example I selected Soil Reports and then clicked on Soil Physical Properties:

The screenshot shows the 'Soil Data Explorer' web application. At the top, there are navigation tabs: 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer' (highlighted), 'Download Soils Data', and 'Shopping Cart (Free)'. Below this is a dropdown menu for 'View Soil Information By Use: All Uses'. A secondary row of tabs includes 'Intro to Soils', 'Suitabilities and Limitations for Use', 'Soil Properties and Qualities', 'Ecological Site Assessment', and 'Soil Reports' (highlighted). On the left, a sidebar contains a 'Search' field and a 'Soil Reports' section with a list of categories: 'AOI Inventory', 'Building Site Development', 'Construction Materials', 'Disaster Recovery Planning', 'Land Classifications', 'Land Management', 'Recreational Development', 'Sanitary Facilities', 'Soil Chemical Properties', 'Soil Erosion', 'Soil Physical Properties' (highlighted), 'Engineering Properties', 'Particle Size and Coarse Fragments', and 'Physical Soil Properties'. The 'Soil Physical Properties' sub-tab is active. The main map area, titled 'Soil Map', shows a satellite view with an orange-shaded area of interest and various soil data points. A legend is visible on the left side of the map.

6. Then click on Physical Soil Properties:

The screenshot shows the 'Physical Soil Properties' sub-tab in the sidebar. It contains the following elements: 'Engineering Properties', 'Particle Size and Coarse Fragments', 'Physical Soil Properties' (highlighted), 'View Description', 'View Soil Report', 'Options', 'Include Minor Soils' (checkbox), and another 'View Description' and 'View Soil Report' pair.

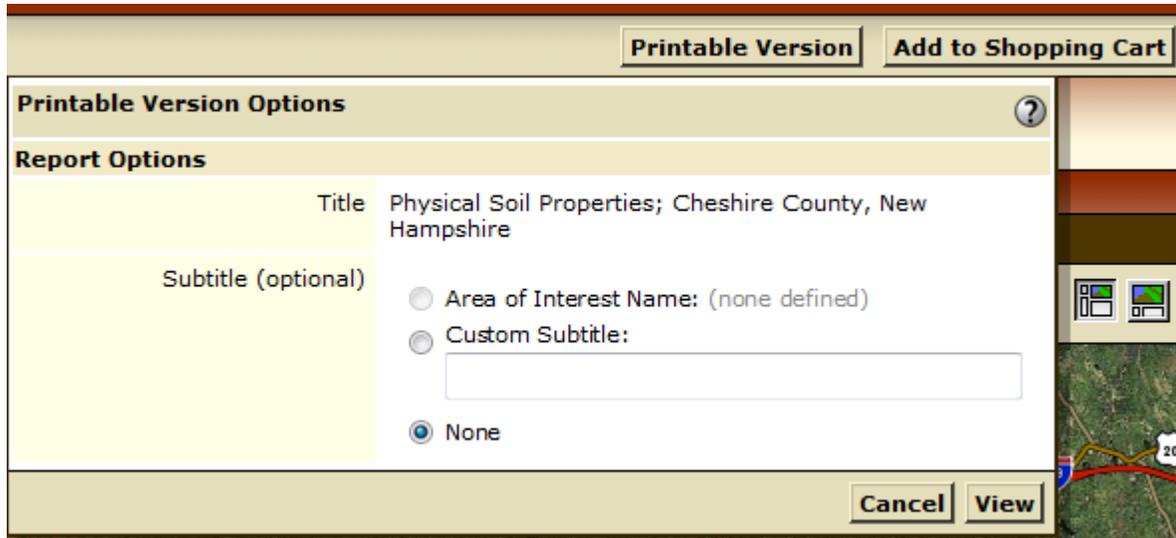
7. Click on View Soil Report and you will get a report for the entire county:

**Report — Physical Soil Properties**

Cheshire County, New Hampshire								
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	ex
	<i>In</i>	<i>Pct</i>	<i>Pct</i>	<i>Pct</i>	<i>g/cc</i>	<i>micro m/sec</i>	<i>In/In</i>	
2—Suncook loamy fine sand								
Suncook	0-8	-81-	-17-	1- 2- 3	1.10-1.30	42.33-141.11	0.07-0.12	
	8-26	-85-	-14-	0- 2- 3	1.20-1.50	42.33-141.11	0.03-0.10	
	26-60	-90-	- 9-	0- 2- 3	1.20-1.50	42.33-141.11	0.01-0.10	
4—Pootatuck fine sandy loam								
Pootatuck	0-9	-65-	-31-	2- 4- 6	1.10-1.35	4.23-42.33	0.11-0.21	
	9-28	-65-	-32-	1- 4- 6	1.20-1.45	4.23-42.33	0.09-0.18	
	28-60	-85-	-14-	0- 1- 2	1.25-1.50	42.33-141.11	0.01-0.10	

To get a report for only selected map units, click on Select Map Units in step 3.

8. Click on Printable Version on top right side of screen (you may have to scroll over). Then click on View:



If you select Add to Shopping Cart, you will get a big report.

If you click on Printable Version, you can print or save the reports separately.

## Notes:

There are many different reports that are now available.

To get a Map Unit Report, click on AOI Inventory in Step 5.

You will have a choice of three types of Map Unit Description reports:

AOI Inventory
Component Description (Nontechnical)
Component Legend
Descripción de la Unidad de Mapa
Descripción de la Unidad de Mapa (Breve, Generada)
Map Unit Description
Map Unit Description (Brief)
Map Unit Description (Brief, Generated)

The Map Unit Description is in semi-tabular format. It includes properties and inclusions.

The Map Unit Description (Brief) allows for you to select a brief soils, agriculture and/or forestry write up. This report is not available for all mapunits.

The Brief Generated report is a short paragraph describing the major soils and the inclusions.

To download soils data, go to the Download Soil Data tab in Step 2.

Then click on Soil Survey Area and select state. The link for the data is on the right side.

**Soil Survey Area (SSURGO)**

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**General Information**

Link: [Description of Soil Survey Geographic \(SSURGO\) Database](#)

Download Contents: Tabular data, spatial data (if available), template database (if selected), and FGDC metadata

Spatial Data Format: ESRI Shapefile, Geographic WGS84

**Options**

State:

County (optional):

Only show Soil Survey Areas updated since...

Sort by...

Include Template Database

**Soil Survey Area (SSURGO) Download Links**

Name	Area Symbol	Data Availability	Version	Template Database	Download Size	Download Link
Cheshire County, New Hampshire	NH005	Tabular and Spatial, complete	Survey Area: Version 17, Sep 12, 2014 Tabular: Version 15, Sep 12, 2014 Spatial: Version 4, Dec 13, 2013	soildb_US_2003 Access 2003 Version 36	29.4 MB	<a href="#">wss_SSA_NH005_soildb_US_2003_[2014-09-12].zip</a>
Grafton County, New Hampshire	NH009	Tabular and Spatial, complete	Survey Area: Version 17, Sep 12, 2014 Tabular: Version 16, Sep 12, 2014	soildb_US_2003 Access 2003 Version 36	37.5 MB	<a href="#">wss_SSA_NH009_soildb_US_2003_[2014-09-12].zip</a>

For help or more information:

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Visit Web Soil Survey: <http://websoilsurvey.nrcs.usda.gov>

For Tips and Shortcuts: [http://websoilsurvey.nrcs.usda.gov/app/Tips\\_Shortcuts.htm](http://websoilsurvey.nrcs.usda.gov/app/Tips_Shortcuts.htm)