# Overview of Web Soil Survey (WSS) http://websoilsurvey.nrcs.usda.gov



### 3 Basic Steps to access Soils Data and Maps

- 1) Define area of interest (AOI) interactively with pan/zoom features or by typing in specific address or county.
- 2) View the AOI you've defined by clicking on Soil Map tab.
- 3) Explore options for AOI under Soil Data Explorer tab.

### Can change text size by using text sizing buttons on dark gray application toolbar.

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### Type in County or specific address under Area of Interest Selection Criteria, then choose View button.

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Soil Survey Area			]				View

# To add or remove help screen from viewable areas of application, click on ? or ? sign on upper right side of window.



### 1) Define Area of interest (AOI)



Define area of interest using the two AOI buttons on right side of toolbar. Options include using rectangle AOI button or interactively defining a polygon via polygon AOI button.

# Soils information can be obtained for AOI's up to 10,000 acres. Note Acreage total of query under AOI Information.

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Address				
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Address	215 Third Loop Road			
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# 2) View the AOI you've defined by clicking on Soil Map tab.

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Make Legend or Layers visible by clicking on tabs on upper-left side of canvas. Turn individual layers on or off by clicking on layer checkbox.



Options include printing and/or saving Soils Map. The map document and accompanying data are bundled into a \*.pdf format.





1 of 3 🕨 🚺 🔘 🔘

SOIL SURVEY OF FLORENCE COUNTY, SOUTH CAROLINA



The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps As a result, some minor shifting of map unit boundaries may be evident.



Conservation Service

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### Soil Survey of Florence County, South Carolina

### Map Unit Legend Summary

Florence County, South Carolina

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ba	Barth loamy sand	1.1	0.3
Cv	Coxville fine sandy loam	3.6	0.9
Dp	Duplin fine sandy loam	0.4	0.1
Go	Goldsboro loamy sand	42.2	9.9
LaB	Lakeland sand, 0 to 6 percent slopes	38.2	8.9
LaD	Lakeland sand, 6 to 15 percent slopes	15.8	3.7
Ly	Lynchburg sandy loam	28.7	6.7
NoA	Norfolk loamy sand, 0 to 2 percent slopes	86.7	20.3
NoB	Norfolk loamy sand, 2 to 6 percent slopes	14.1	3.3
OrB	Orangeburg loamy sand, 2 to 6 percent slopes	6.2	1.4
Os	Osier loamy sand	53.1	12.4
Ra	Rains sandy loam	14.2	3.3
w	Water	2.9	0.7
WgB	Wagram sand, 0 to 6 percent slopes	96.8	22.6
Wn	Wehadkee and Johnston soils, frequently flooded	23.7	5.5



# 3) Explore options under Soil Data Explorer tab for AOI defined.

percent slopes

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Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI		
CV	Coxville fine sandy loam	3.6	2.3	end	
Go	Goldsboro loamy sand	15.0	9.6		
LaB	Lakeland sand, 0 to 6 percent slopes	10.7	6.8		
Ly	Lynchburg sandy loam	9.9	6.3		
NoA	Norfolk loamy sand, 0 to 2 percent slopes	53.2	34.0		
NoB	Norfolk loamy sand, 2 to 6 percent slopes	5.5	3.5		
OrB	Orangeburg loamy sand, 2 to 6 percent slopes	6.2	3.9	5	
Os	Osier loamy sand	14.6	9.3	E S	YAN
Ra	Rains sandy loam	3.4	2.2		
WaB	Wagram cand 0 to 6	34.4	22.0		A TAXABLE PARTY AND A PARTY OF

### Information about a particular use can by obtained utilizing drop-down lists or by choosing a particular tab.



Headings under the various tabs include Intro to Soils, Suitabilities and Limitations for Use, Soil Properties and Qualities, Soil Reports, and Soil Survey Publications.

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Table of Contents 😵	Intro to Soils				
□ Introduction to Soils	Viewing Topics				
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What is soil? (more technical)	<ul> <li>Click an item in the Table of Contents to make it the second secon</li></ul>				
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What are soil horizons?					
What is a soil scientist?					
What is a soil survey?					
Who uses a soil survey?					
What is a map unit?					

### To view specific maps of AOI click on View Ratings button.



# To find out more about a rating, choose View Description.





## Example below is a map of Hydric Soils along with attribute table for AOI defined.

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Cv	Coxville fine sandy loam	All Hydric	3.6 2.3
Go	Goldsboro loamy sand	Partially Hydric 1	.5.0 9.6
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# Associated tables along with description of Map Unit Hydric Rating.

Tables - Map Unit H	ydric Rating			(		
Summary by Map Unit - Florence County, South Carolina						
Soil Survey Area Map Unit Symbol	Map Unit Name	Rating	Total Acres in AOI	Percent of AOI		
Cv	Coxville fine sandy loam	All Hydric	3.6	2.		
Go	Goldsboro loamy sand	Partially Hydric	15.0	9.0		
LaB	Lakeland sand, 0 to 6 percent slopes	Not Hydric	10.7	6.1		
Ly	Lynchburg sandy loam	Partially Hydric	9.9	6.3		
NoA	Norfolk loamy sand, 0 to 2 percent slopes	Partially Hydric	53.2	34.0		
VoB	Norfolk loamy sand, 2 to 6 percent slopes	Partially Hydric	5.5	3.		
OrB	Orangeburg loamy sand, 2 to 6 percent slopes	Not Hydric	6.2	3.9		
Os	Osier loamy sand	All Hydric	14.6	9.3		
Ra	Rains sandy loam	All Hydric	3.4	2.1		
WgB	Wagram sand, 0 to 6 percent slopes	Partially Hydric	34.4	22.0		

### Description - Map Unit Hydric Rating

This rating provides an indication of the proportion of the map unit that meets criteria for hydric soils. Map units that are dominantly made up of hydric soils may have small areas, or inclusions, of nonhydric soils in the higher positions on the landform, and map units dominantly made up of nonhydric soils may have inclusions of hydric soils in the lower positions on the landform.

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Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). These soils, under natural conditions, are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general call properties that are associated with wetness. In order to determine whether a specific sail is a

### **Pond Reservoir Area Rating for same AOI**





### Demo of Web Soil Survey http://websoilsurvey.nrcs.usda.gov