The New Generation of the Connecticut Soil Survey

USDA Natural Resources
Conservation Service

The new digital *Soil Survey of the State of Connecticut,* dated July 15, 2005, or later, is the official soil survey for the state.

Kinds of Map Units

Consociation

Dominantly Soil A

29A Agawam fine sandy loam, 0 to 3 percent slopes

Complex

Always Soil A with Soil C

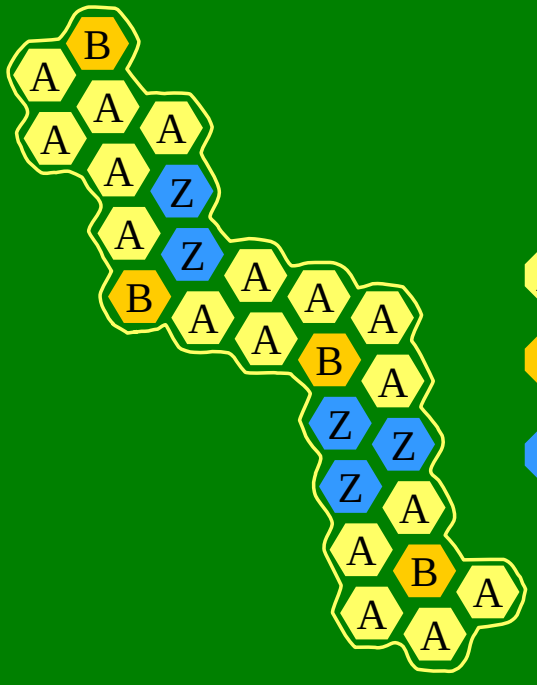
237A Manchester-Urban land complex, 0 to 3 percent slopes

Undifferentiated

Soil A and B or All A or All B

86D Paxton and Montauk fine sandy loams, 15 to 35 percent slopes, extremely stony

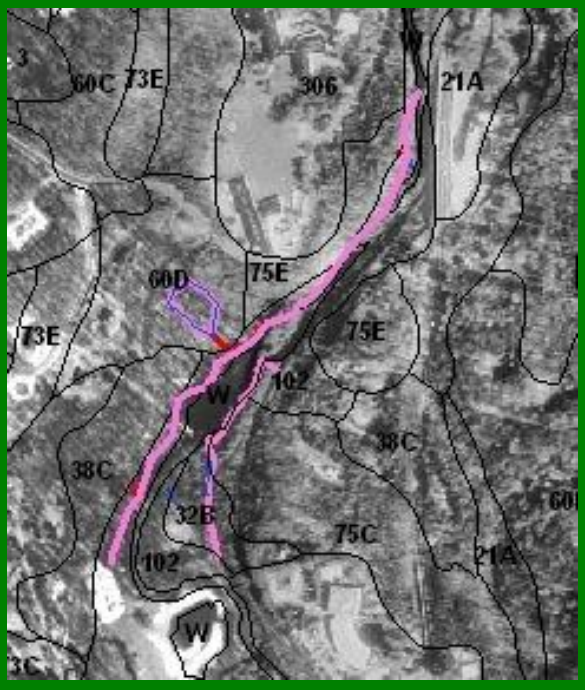
Soil Map Unit



A **Central Pedons**

B **Similar Inclusions**

Z **Dissimilar Inclusions**



1:12,000 scale

1:3,000 scale


306
308
306
307
307
60B
TAC 608
13
308
307
23A
TAC 600A
29B
20A
TAC 603A
TAC 604A
61C
306
TAC 603A
TAC 605A
TAC 607
73C
38E
TAC 603A
13
TAC 601B
TAC 602C
TAC 606B
23A
51B
17
TAC 603A
3

Official digital soils information may be obtained from NRCS:

- Web Soil Survey – *users can create maps online, print the maps, and get soils information for their site*

  http://soils.usda.gov/survey

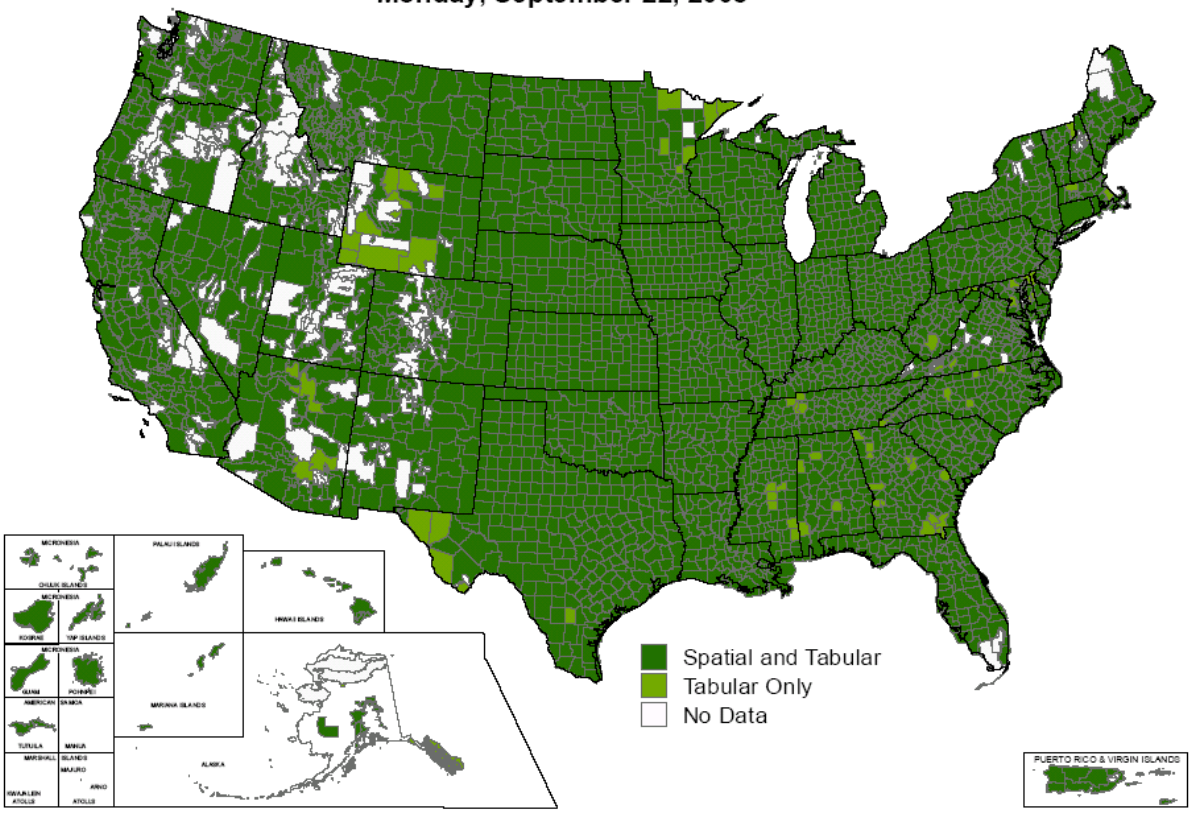
- NRCS Soil Data Mart – *users can download spatial data for GIS use, tabular soils data, or generate soil reports online*

  http://soildatamart.nrcs.usda.gov

U.S. DEPARTMENT OF AGRICULTURE

Available Soil Survey Data
Monday, September 22, 2008

NATURAL RESOURCES CONSERVATION SERVICE



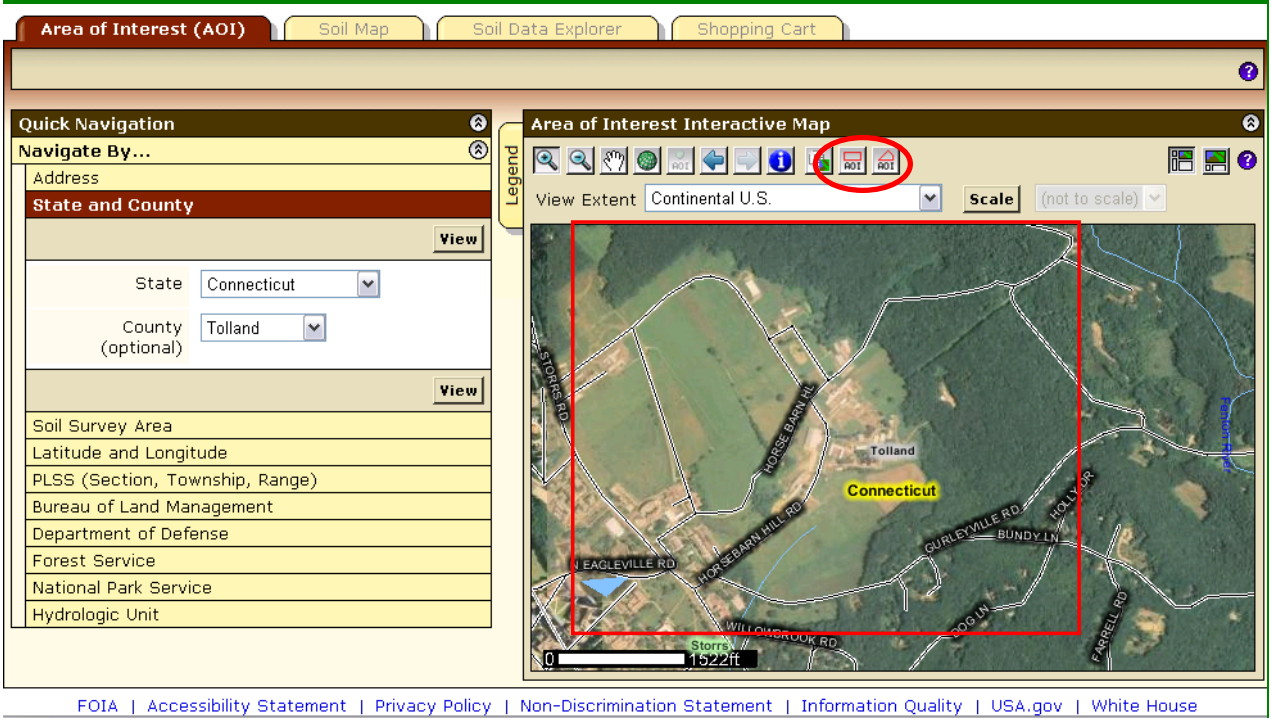
produced 9/22/2008 5:57:17 AM Central Daylight Time

visit Soil Data Mart at http://soildatamart.nrcs.usda.gov

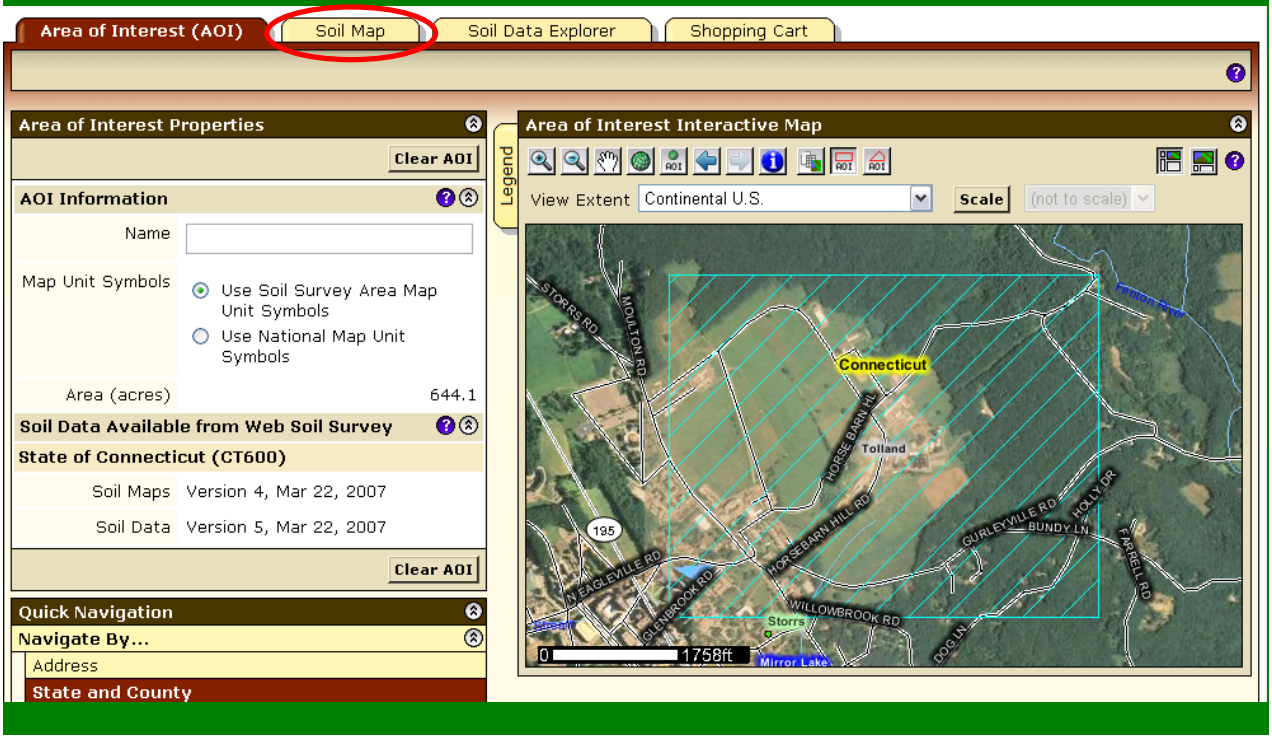
Click on the green “start” button to proceed

Navigate to your area of interest

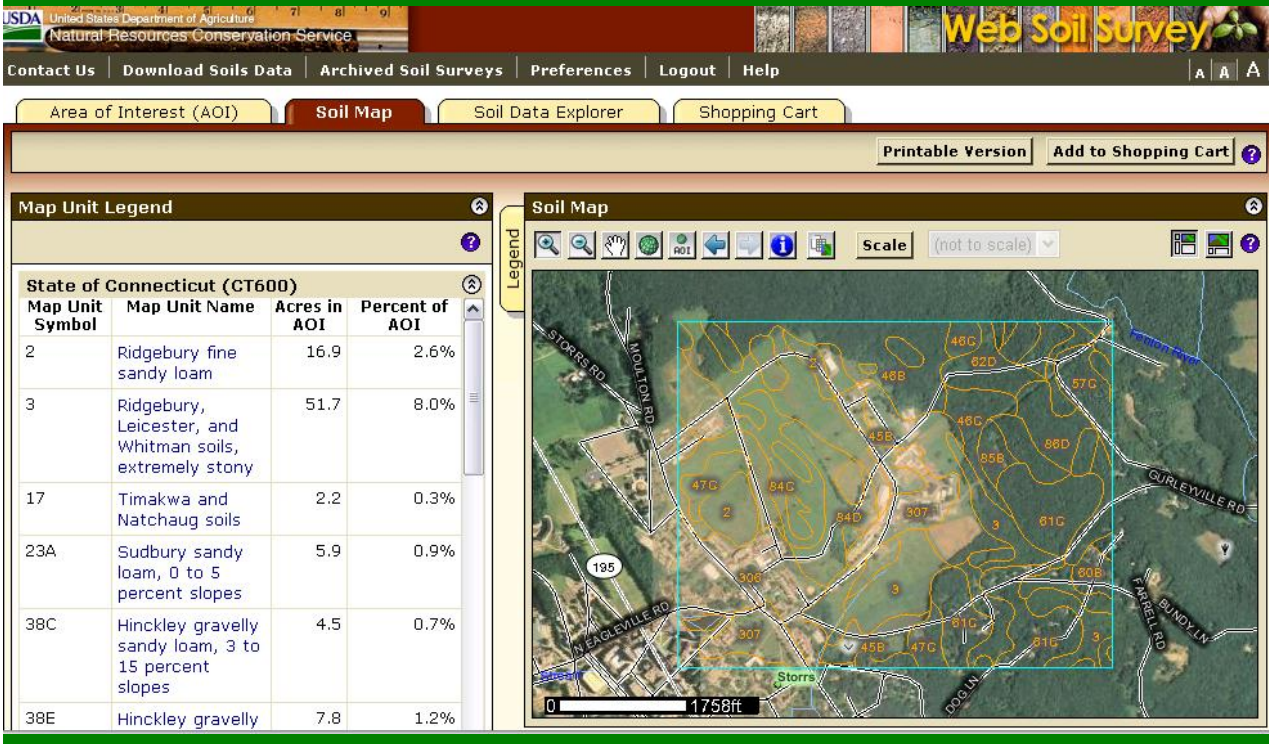
Click and drag one of the AOI buttons to outline the boundaries of your desired area



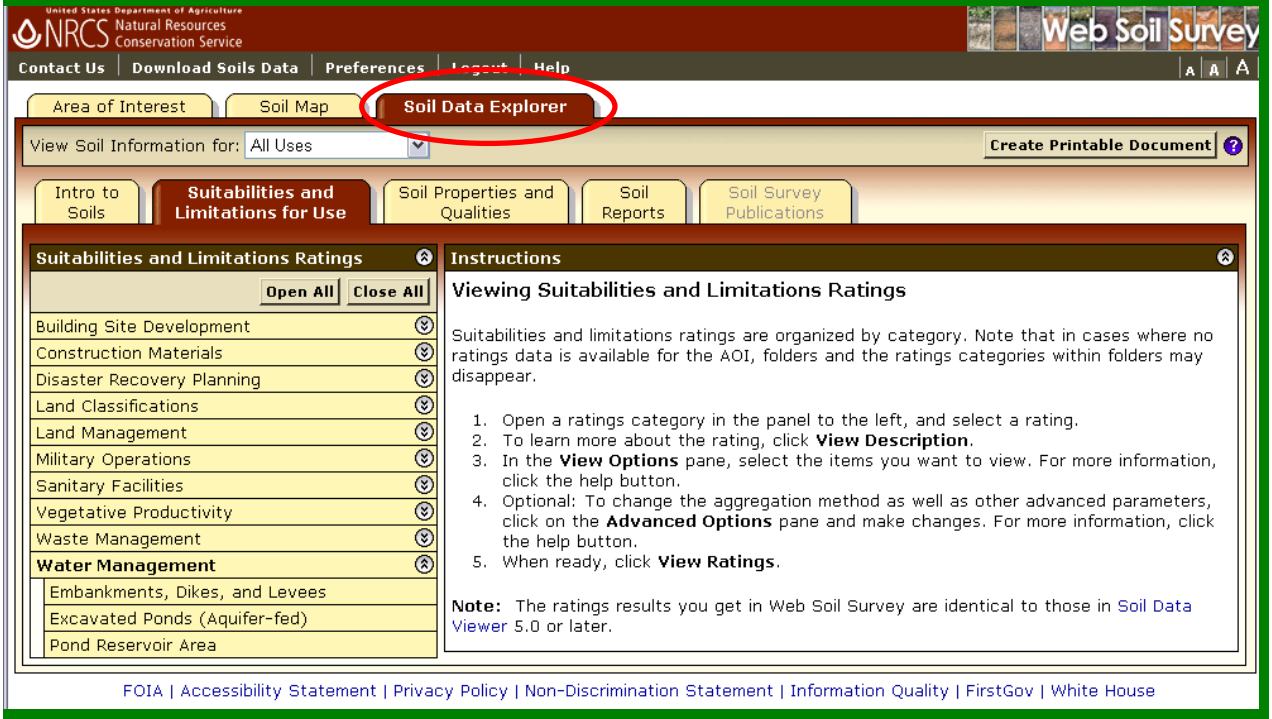
Area of interest has been created – next click on soil map tab



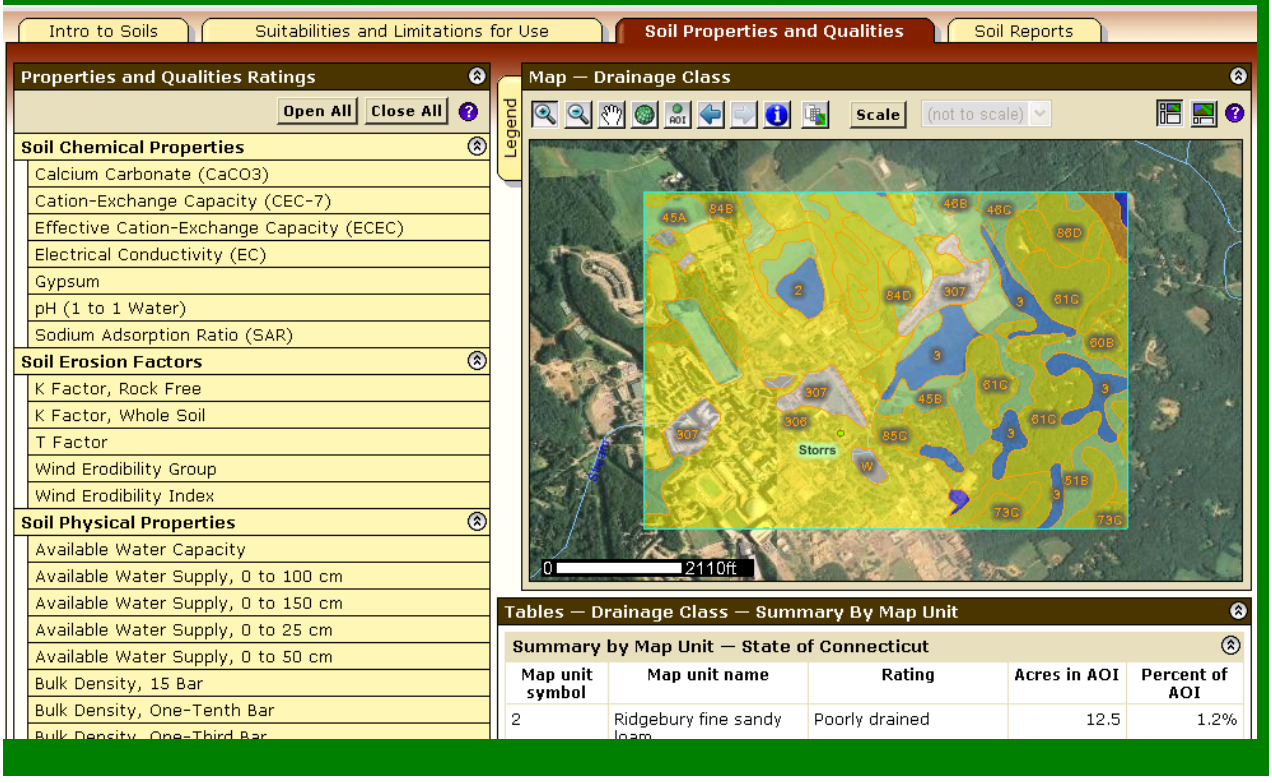
View the soil map

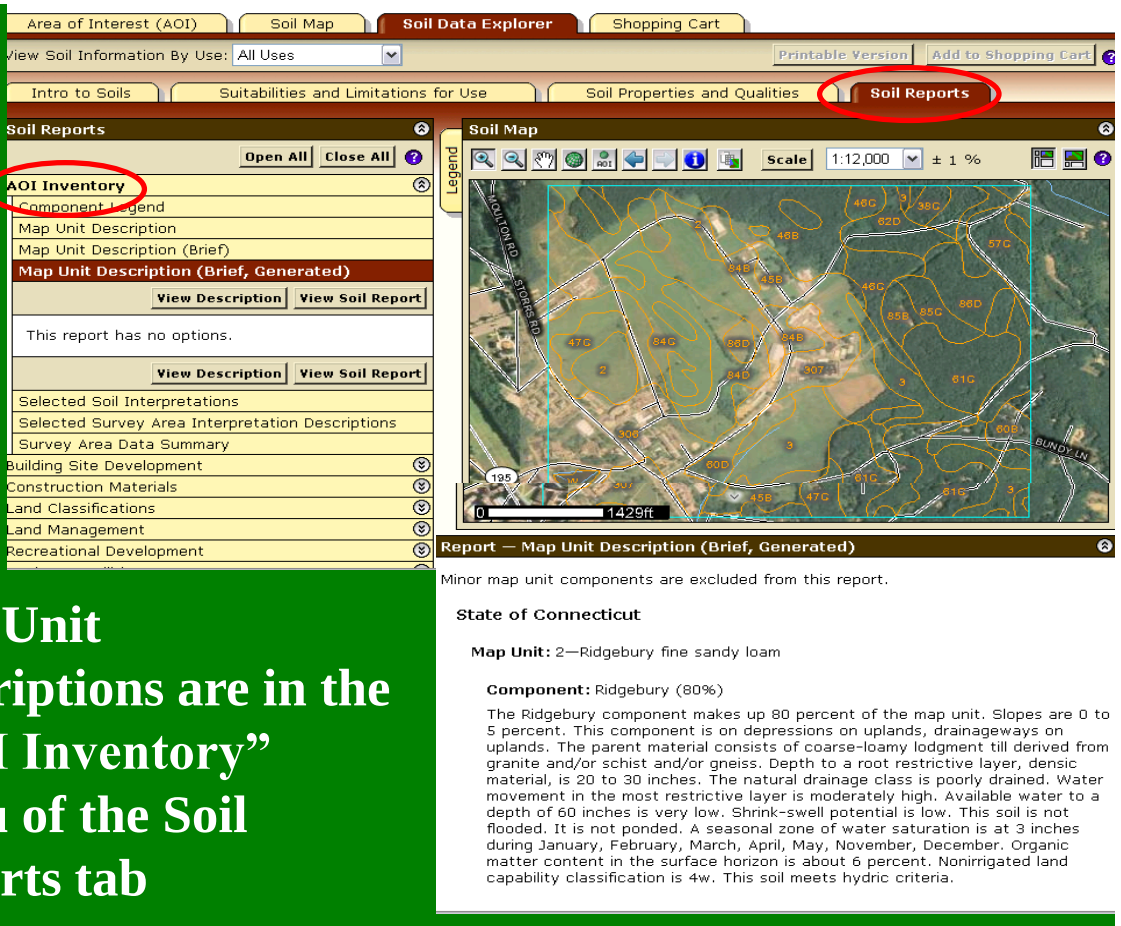


Explore the soil data



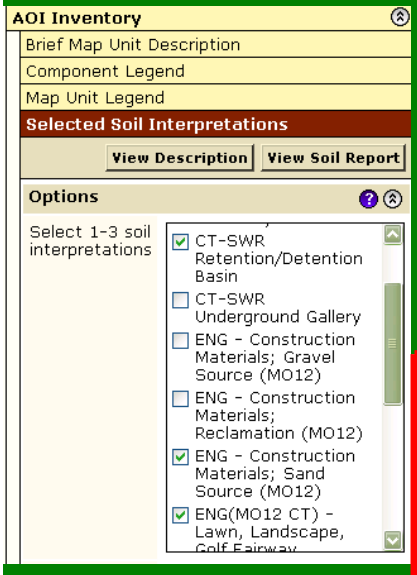
Drainage Class





Map Unit Descriptions are in the "AOI Inventory" menu of the Soil Reports tab

CT NRCS soil scientists developed interpretive tables which reflect local criteria and conditions



Map symbol and soil name	Pct. of map unit	CT-SWR Retention/Detention Basin *		ENG - Construction Materials; Sand Source (MO12) **		ENG(MO12 CT) - Lawn, Landscape, Golf Fairway *	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ridgebury	80	Very limited Depth limited	1	Poor Thickest layer Bottom layer	0 0	Very limited Depth to saturated zone Depth to pan	1 0.99
Ridgebury	40	Very limited Depth limited	1	Poor Thickest layer Bottom layer	0 0	Very limited Depth to saturated zone Depth to pan	1 0.99
Leicester	35	Very limited Depth limited	1	Poor Bottom layer Thickest layer	0 0	Very limited Depth to saturated zone	1

When not to use a soil survey:

- To regulate from – only a guide
- For site specific locations and applications (for example: where to site a house)
- If you know it’s a disturbed area

Nothing beats the on-site investigation!

If you're in Washington DC……visit the "Dig It" soils exhibit at the Smithsonian!

A slice of Connnecticut, a sample of Windsor loamy sand, is one of the 54 monoliths in a gallery of soils representing each US state and territory.