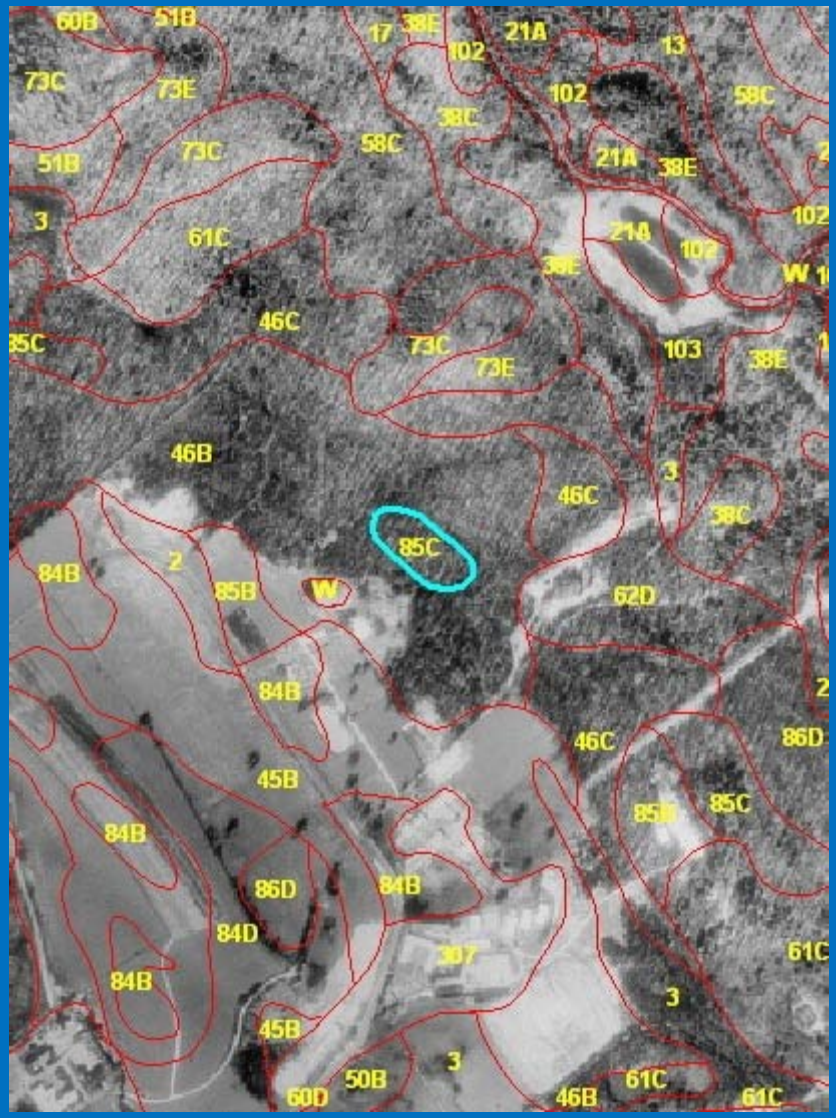
Digital Soils Information

Margie Faber
USDA Natural Resources Conservation Service
margie.faber@ct.usda.gov

Soil Mapping

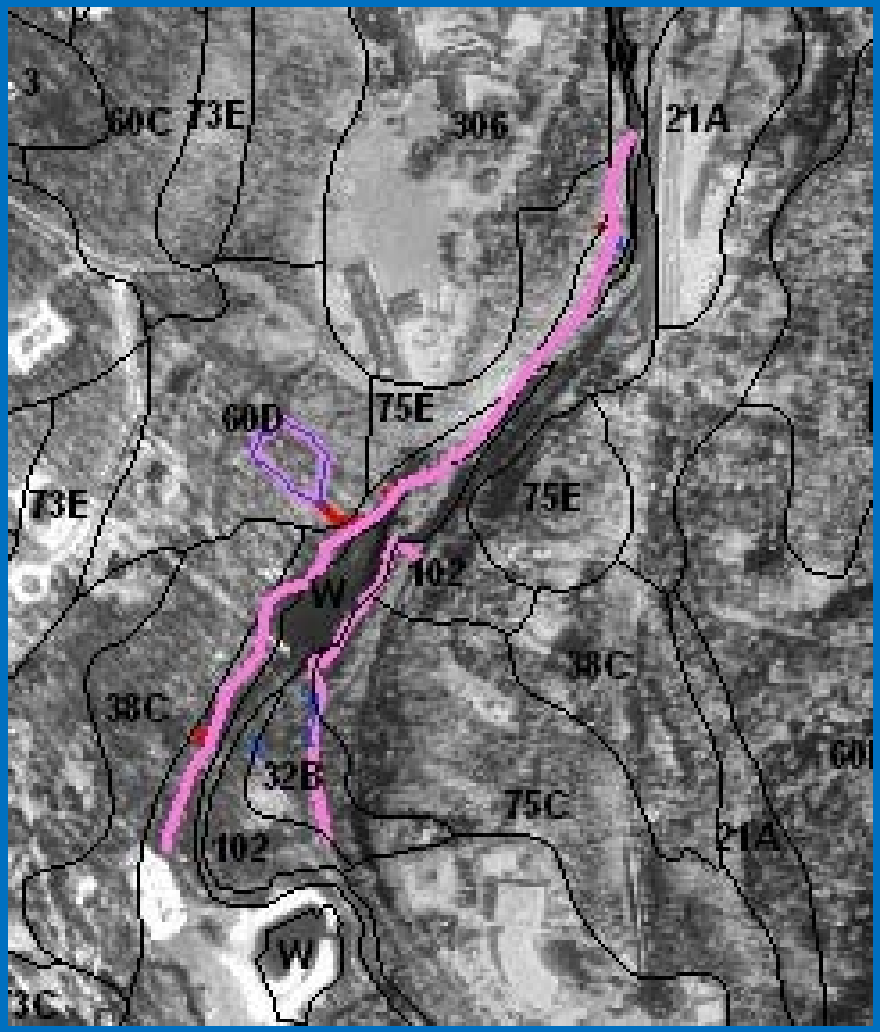
The digital *Soil Survey of the State of Connecticut*, dated July 15, 2005 or later, is the official soil survey for the state.


60B
51B
17
38E
21A
102
13
73C
73E
102
58C
38C
51B
73C
58C
21A
38E
3
61C
21A
102
102
38E
W 1
46C
35C
73C
73E
103
38E
46B
3
46C
38C
85C
84B
2
85B
W
62D
84B
2
46C
86D
45B
85B
85C
84B
86D
84B
84D
307
61C
84B
3
45B
3
50B
60D
46B
61C
61C

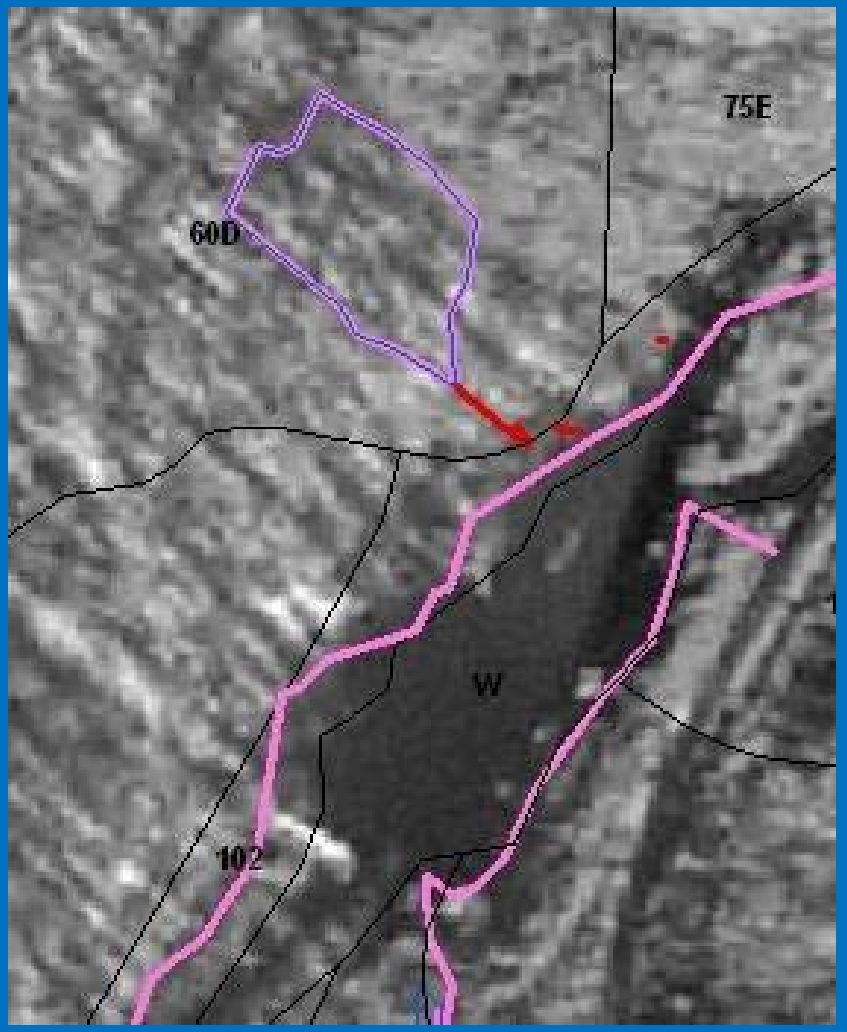

73C
73E
46B
85C
W
45B

Soil Map Unit

Map Scale



1:12,000 scale



1:3,000 scale

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

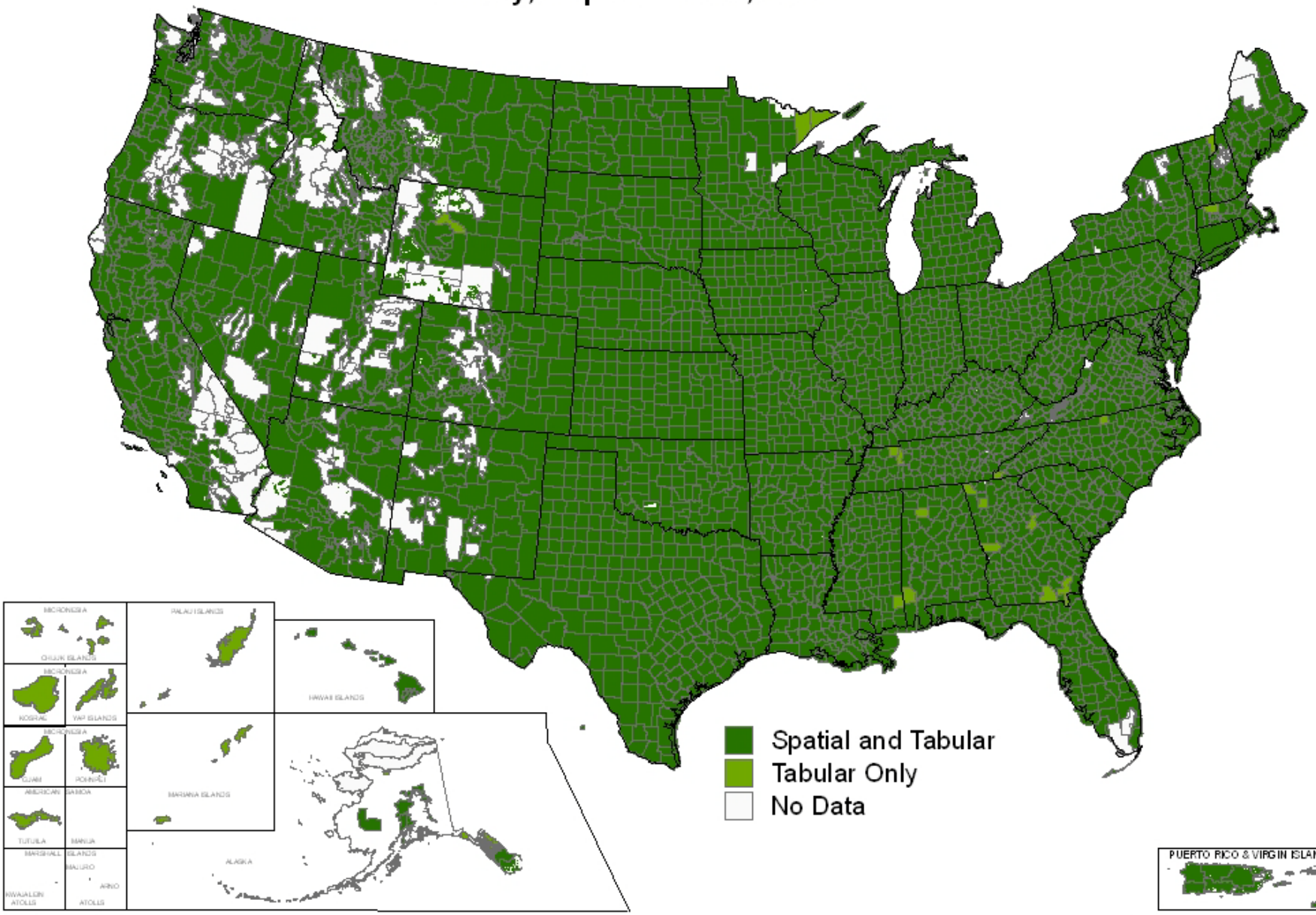
- NRCS Soil Data Mart – *users can download spatial data for GIS use, tabular soils data, or generate soil reports online*

  http://soildatamart.nrcs.usda.gov

U.S. DEPARTMENT OF AGRICULTURE

Available Soil Survey Data
Friday, September 30, 2011

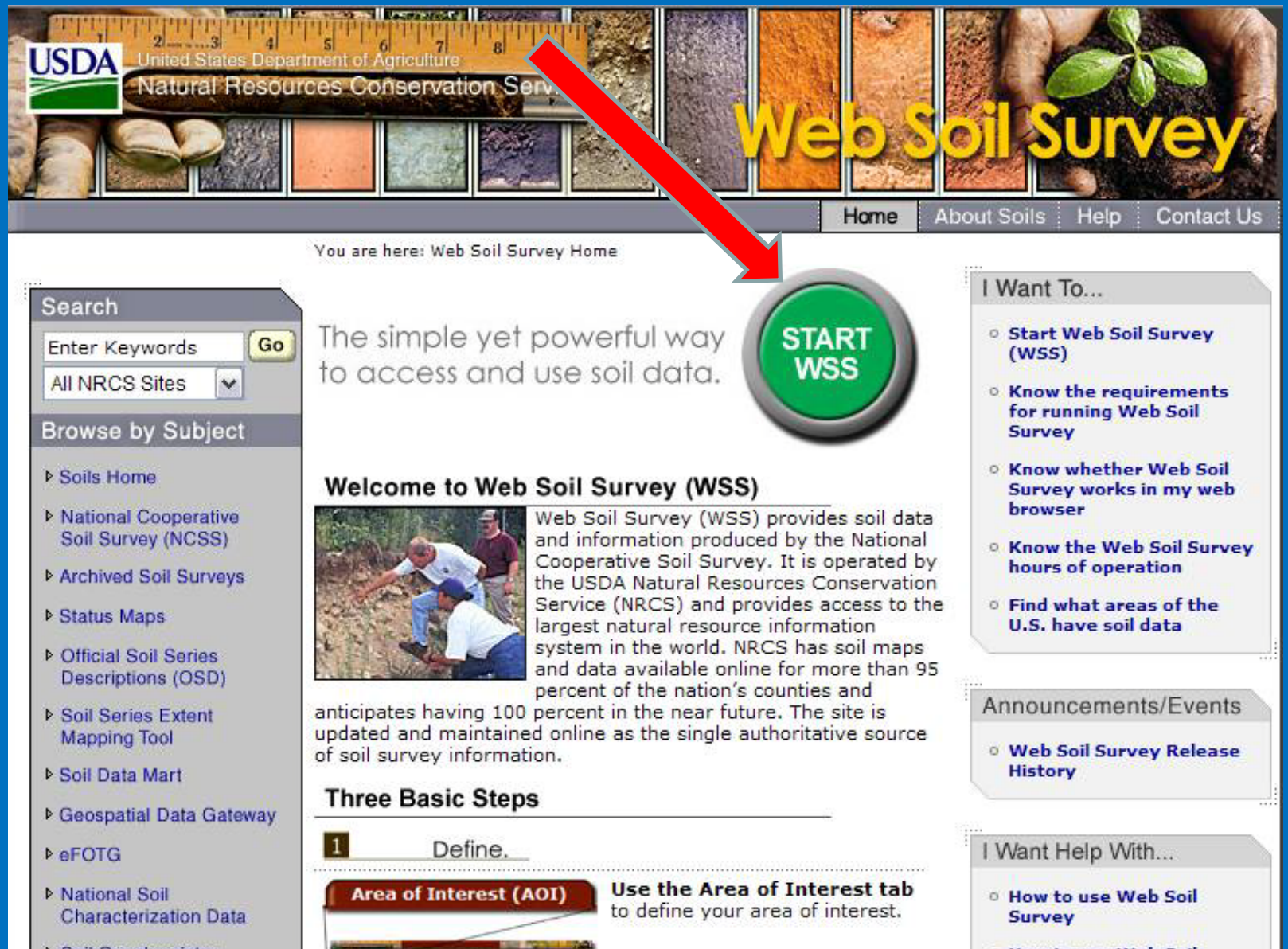
NATURAL RESOURCES CONSERVATION SERVICE



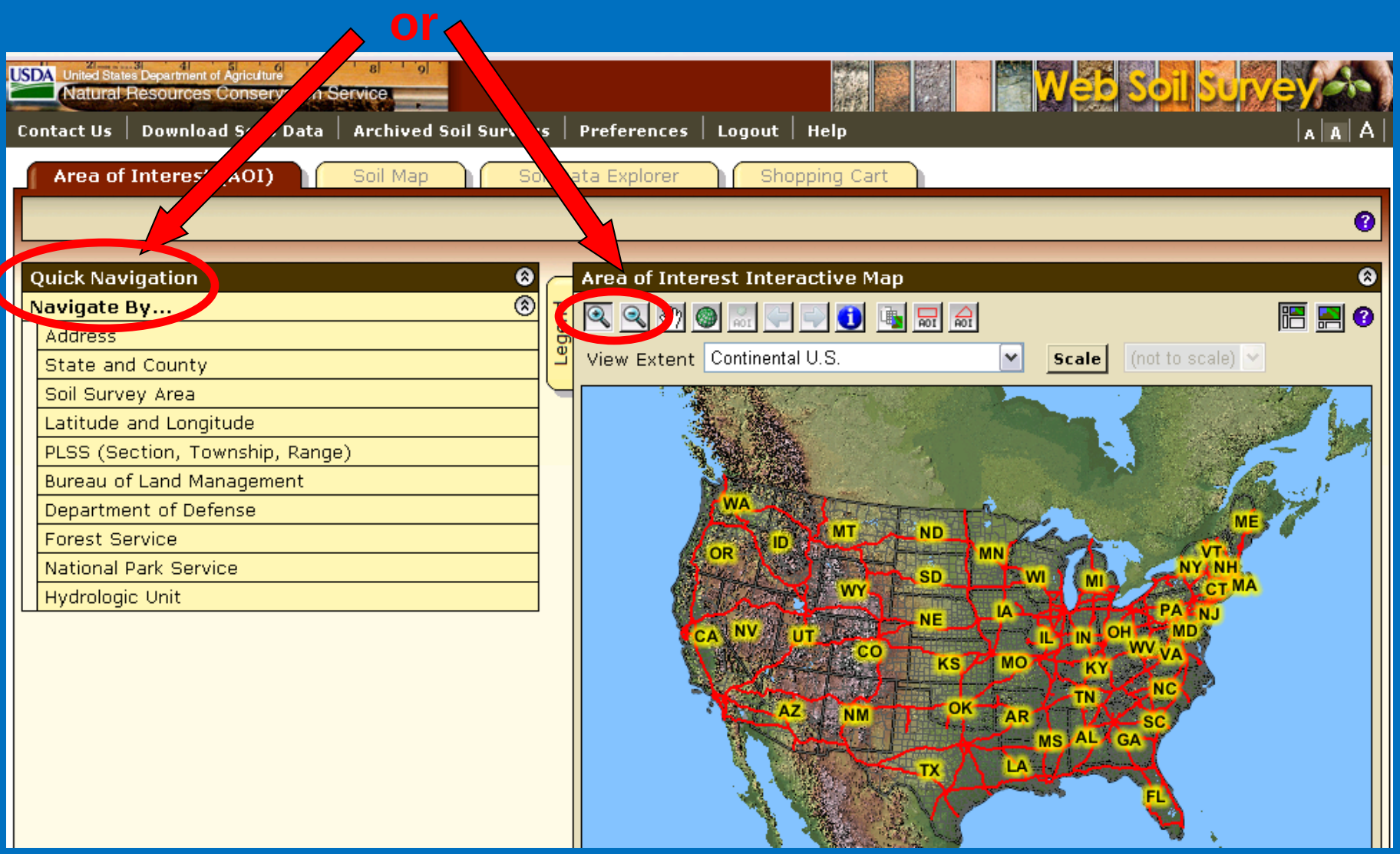
produced 9/30/2011 5:57:05 AM Mountain Daylight Time

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

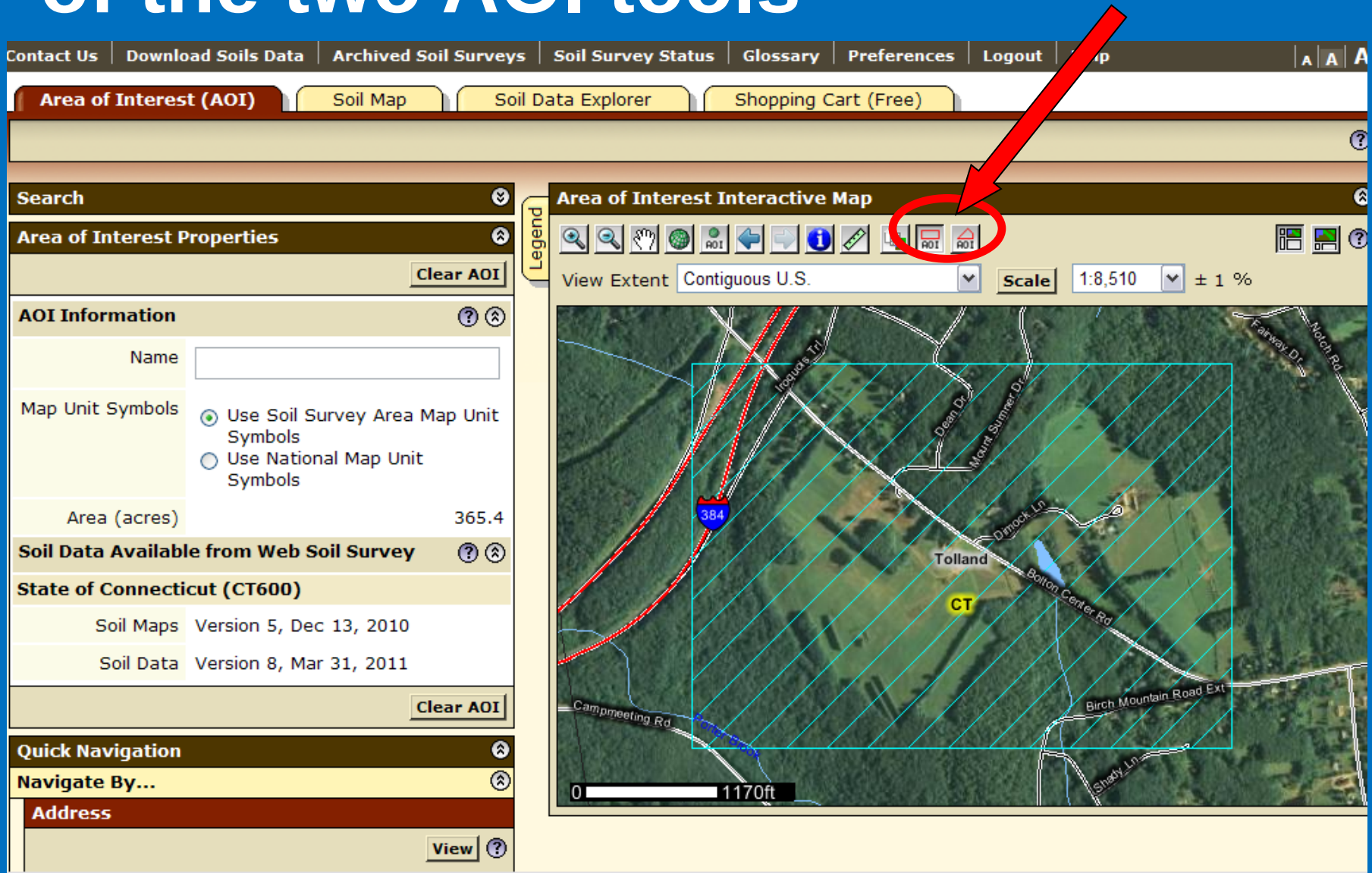
WSS homepage - click on Start button



Step 1: Define

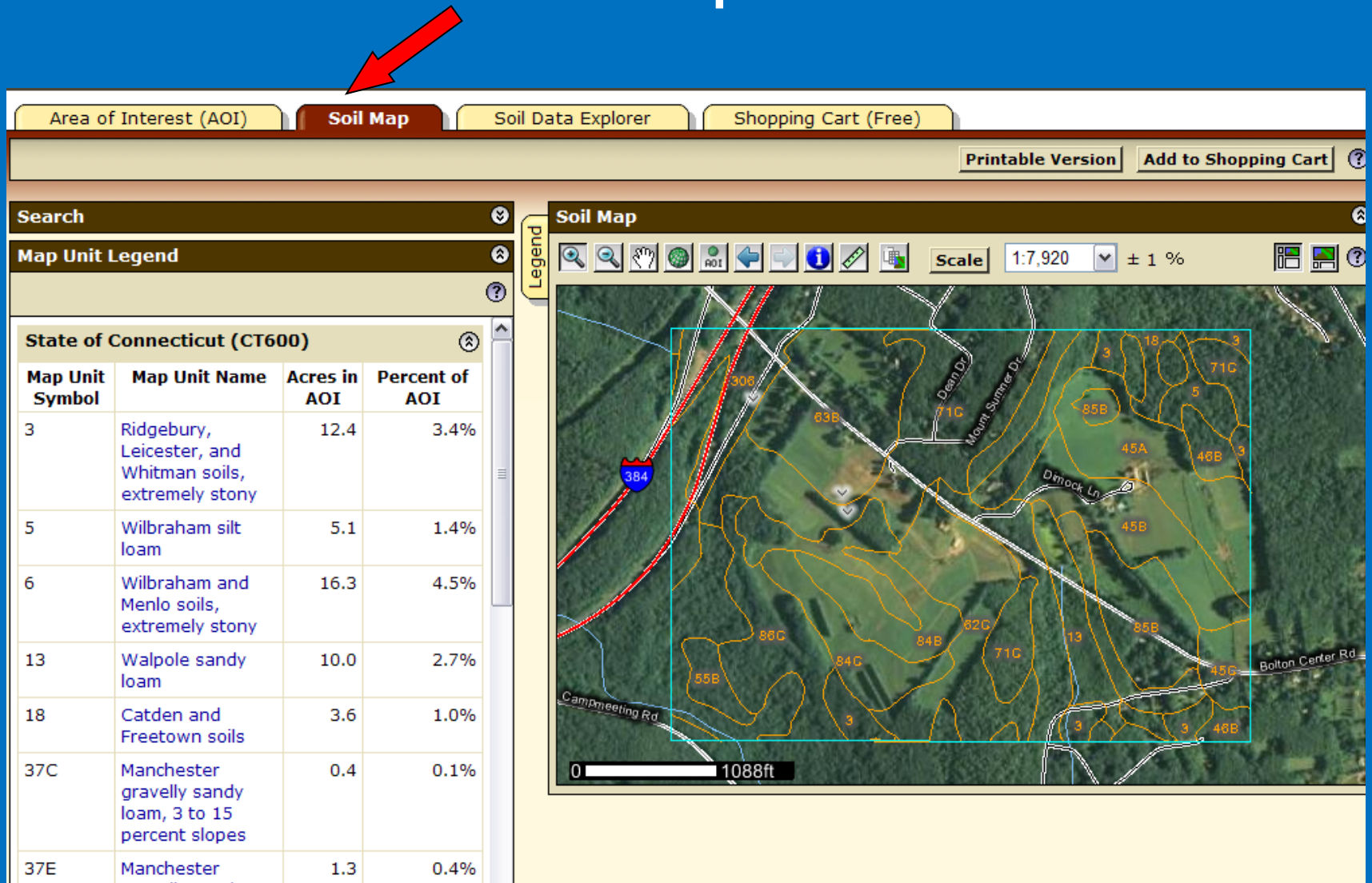


Delineate specific area with one of the two AOI tools

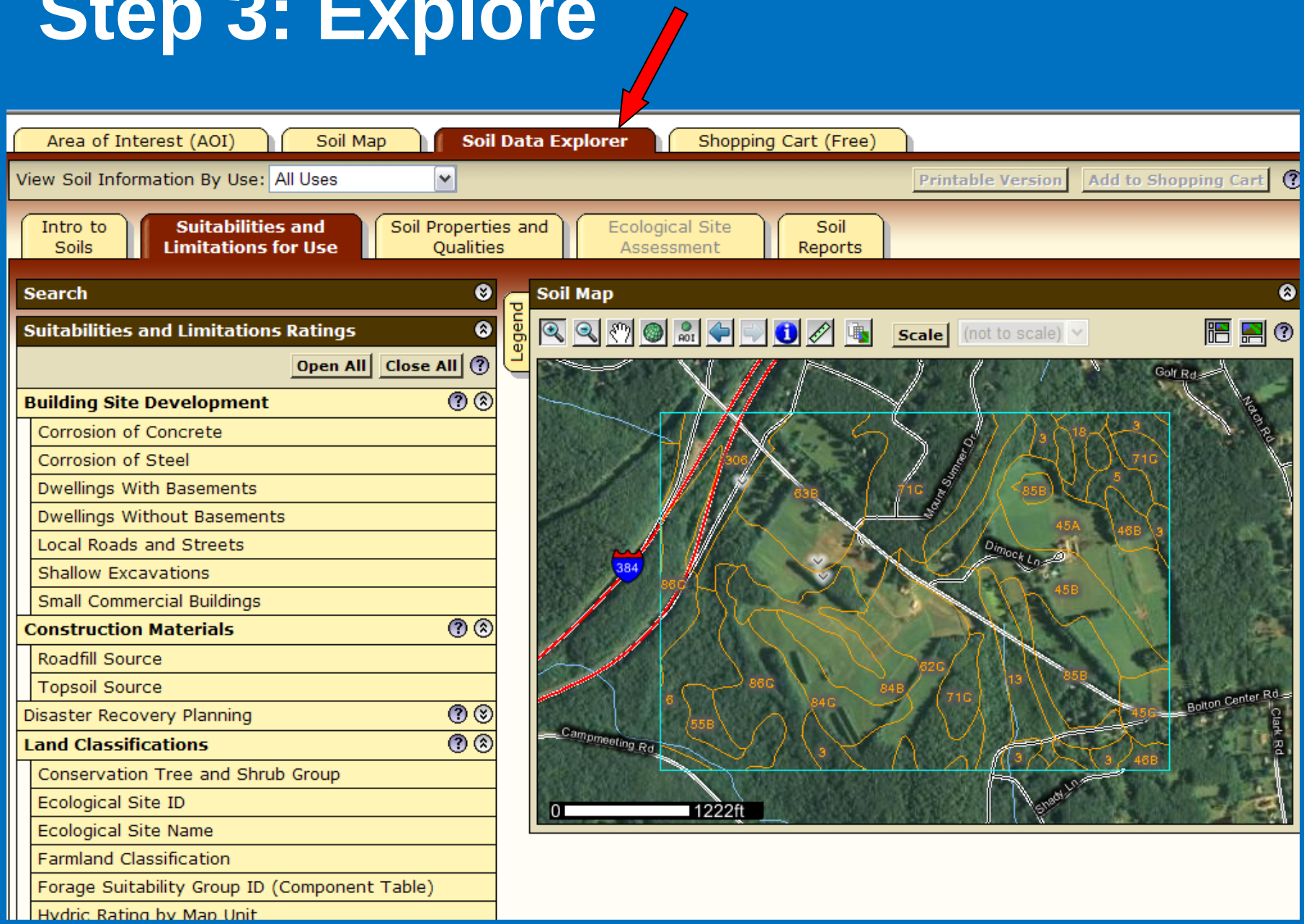


Step 2: View

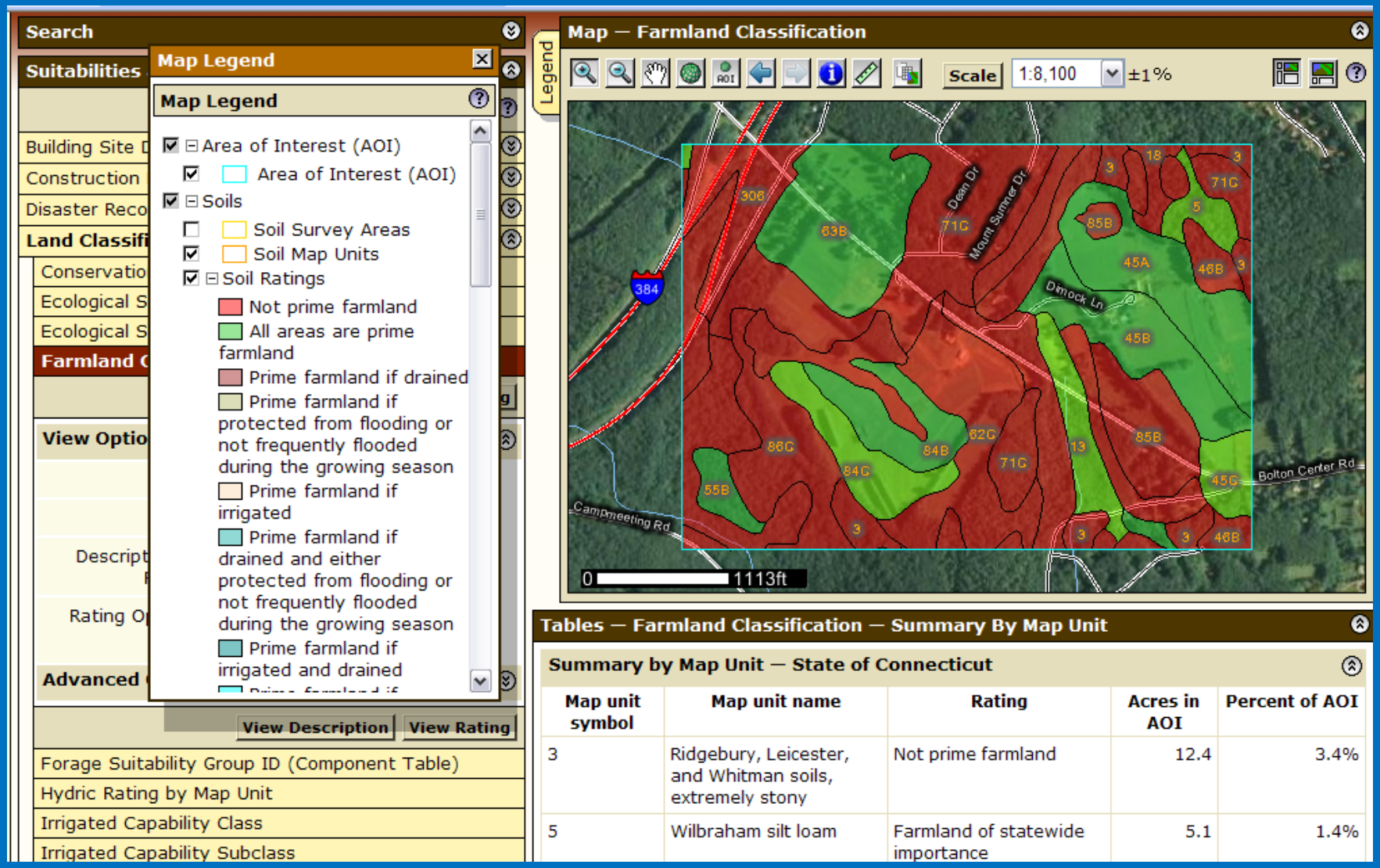
Click on Soil Map tab



Step 3: Explore

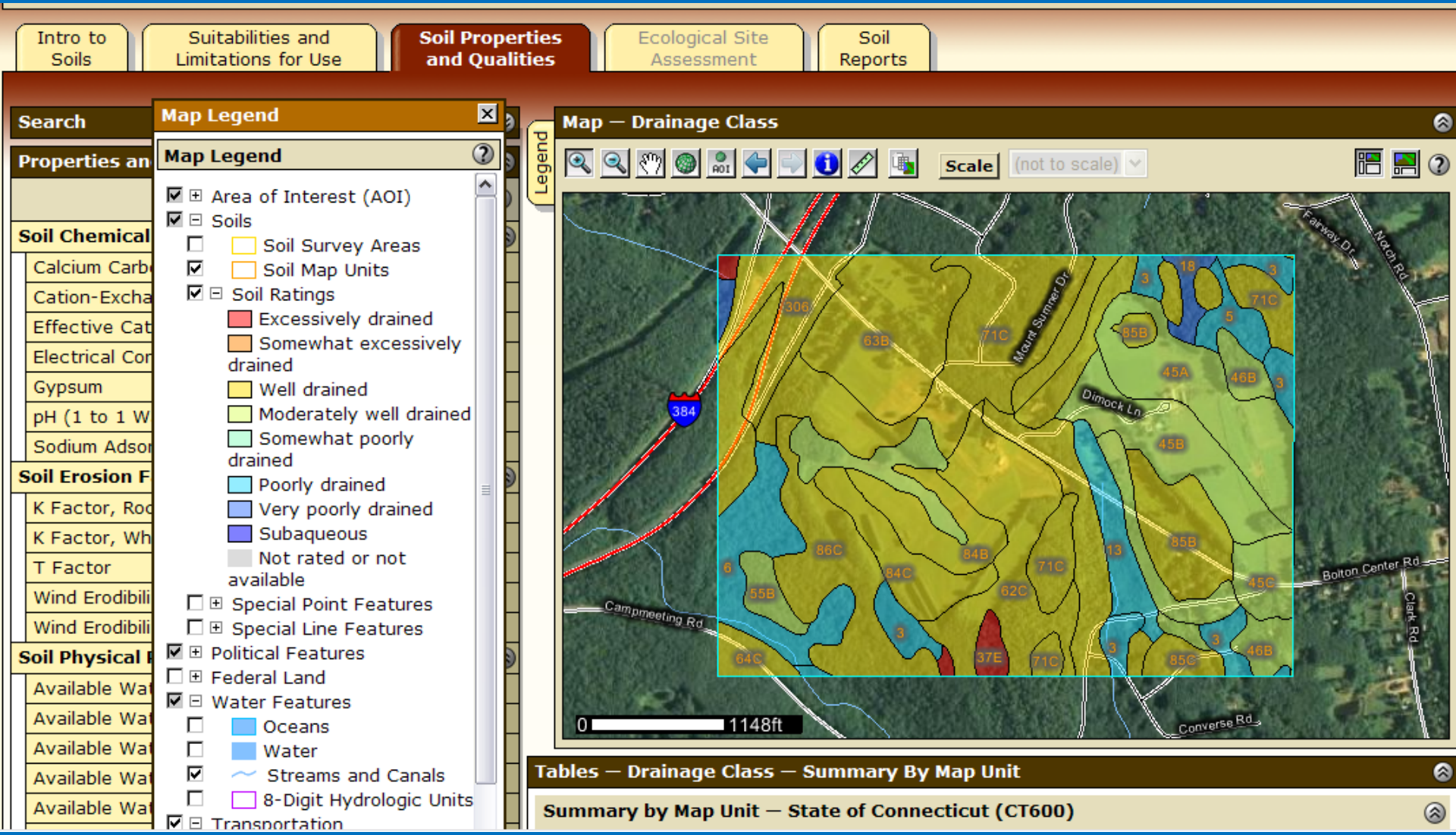


Farmland Classification map



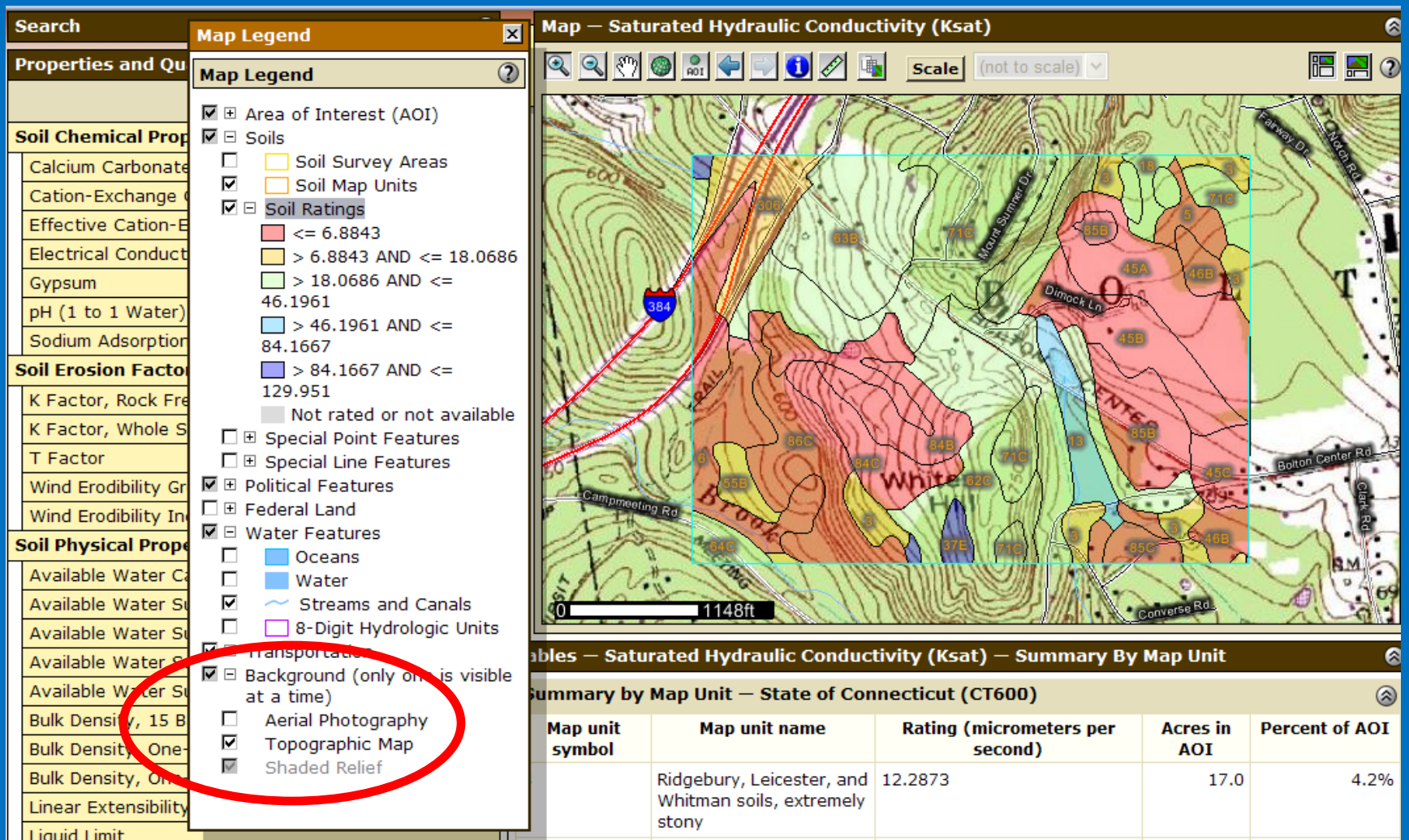
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, extremely stony	Not prime farmland	12.4	3.4%
5	Wilbraham silt loam	Farmland of statewide importance	5.1	1.4%

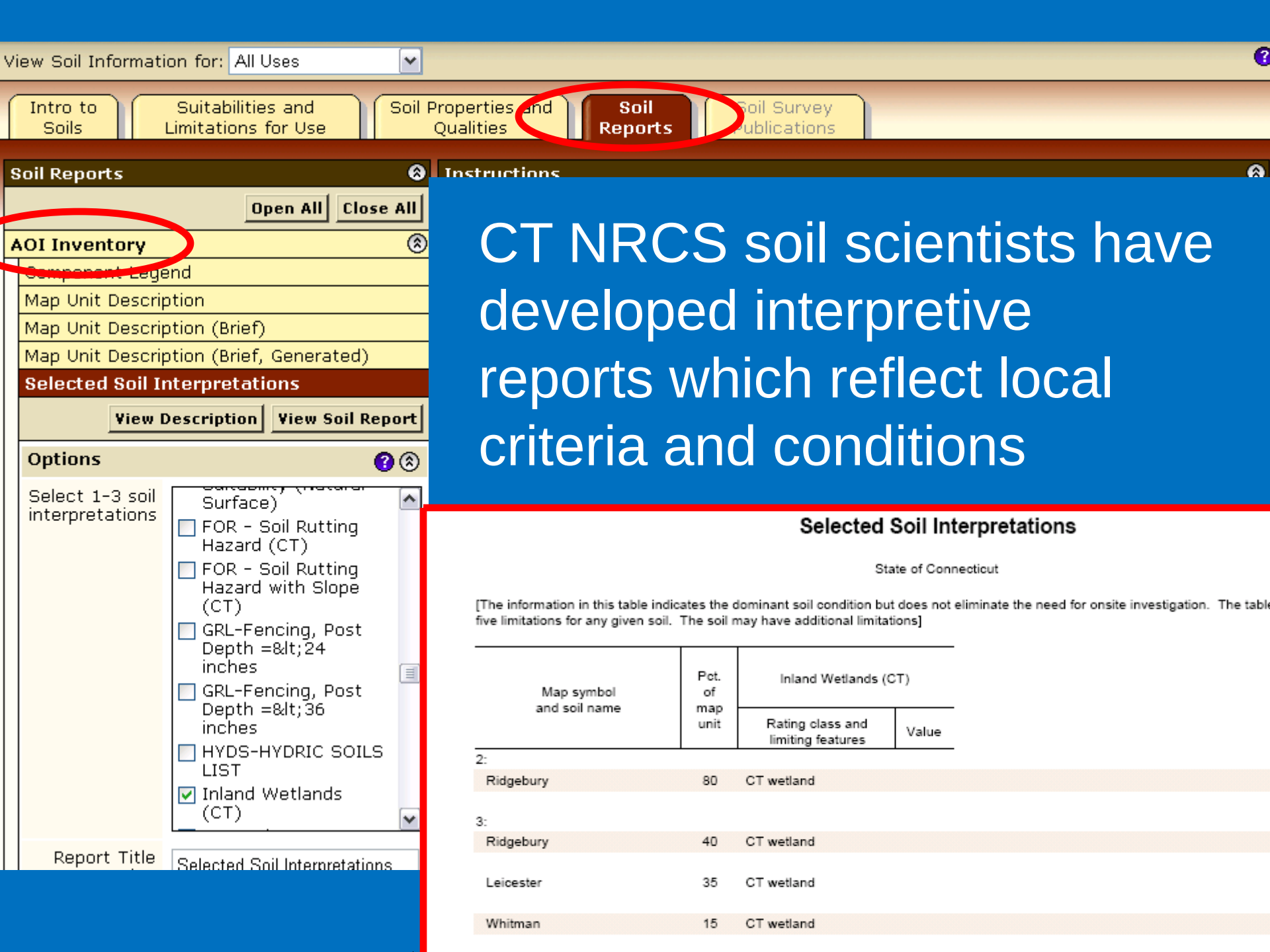
Drainage Class map



Saturated Hydraulic Conductivity (ease of water movement)

upper 40 inches, topographic map background




View Soil Information for: All Uses
Intro to Soils
Suitabilities and Limitations for Use
Soil Properties and Qualities
Soil Reports
Soil Survey Publications
Soil Reports
Instructions
Open All
Close All
AOI Inventory
Component Legend
Map Unit Description
Map Unit Description (Brief)
Map Unit Description (Brief, Generated)
Selected Soil Interpretations
View Description
View Soil Report
Options
Select 1-3 soil interpretations
Surface)
FOR - Soil Rutting Hazard (CT)
FOR - Soil Rutting Hazard with Slope (CT)
GRL-Fencing, Post Depth =<24 inches
GRL-Fencing, Post Depth =<36 inches
HYDS-HYDRIC SOILS LIST
Inland Wetlands (CT)
Report Title
Selected Soil Interpretations
CT NRCS soil scientists have developed interpretive reports which reflect local criteria and conditions
Selected Soil Interpretations
State of Connecticut
[The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The table
five limitations for any given soil. The soil may have additional limitations]
Map symbol and soil name
Pct. of map unit
Inland Wetlands (CT)
Rating class and limiting features
Value
2:
Ridgebury 80 CT wetland
3:
Ridgebury 40 CT wetland
Leicester 35 CT wetland
Whitman 15 CT wetland

Custom Soil Reports

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

Check Out

Bookmarks

- Cover
- Preface
- Contents
- How Soil Surveys Are Made
- Soil Map
  - Soil Map
  - Legend
  - Map Unit Legend
  - Map Unit Descriptions
    - State of Connecticut
- Soil Information for All Uses
  - Soil Properties and Qualities
    - Water Features
      - Depth to Water Table

USDA United States Department of Agriculture

NRCS Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for

State of Connecticut

Camp Woodstock

August 30, 2010

Recent Updates to the WSS

- Bookmark AOI's as a web soil survey URL
- Export AOI as shapefile
- Import AOI from saved shapefile
- Latitude / Longitude quick navigation (can now cut and paste from Google Maps or Bing Maps or from a GPS system)

http://www.ct.nrcs.usda.gov/soils

United States Department of Agriculture
NRCS Natural Resources Conservation Service
Connecticut

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Connecticut

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Quick Access

- National Soil Survey Program
- National Soil Survey Division
- Revised Universal Soil Loss Equation Project (RUSLE2)
- National Resources Inventory (NRI)
- World Soil Resources

Information About Soils

Online Connecticut Soil Survey Information

Some of the following documents require Adobe Acrobat.

- Guide to Soil Interpretations Available for Connecticut on the Web Soil Survey (121 KB) (NEW)
  There are 250 major interpretive options available for users of Connecticut soil information on the Web Soil Survey (WSS). This guide lists the interpretations, where the interpretation is found on WSS, and whether the user can create a map and table for the interpretation.
- Soil Survey of the State of Connecticut (3.87 MB)
  Complete manuscript including tables - no maps
- NCSS Web Soil Survey - Online Soil Survey Viewer (*official July 15, 2005*)
- Connecticut Soil Data Mart (Comprehensive Tabular and Spatial Data)
- National Soil Data Mart
- Connecticut Soil Survey - Manuscript and Maps

Windsor Soil
(Proposed State Soil)

CT Inland Wetland list
Locally Important Farmland lists and more

Where to find interpretations in WSS

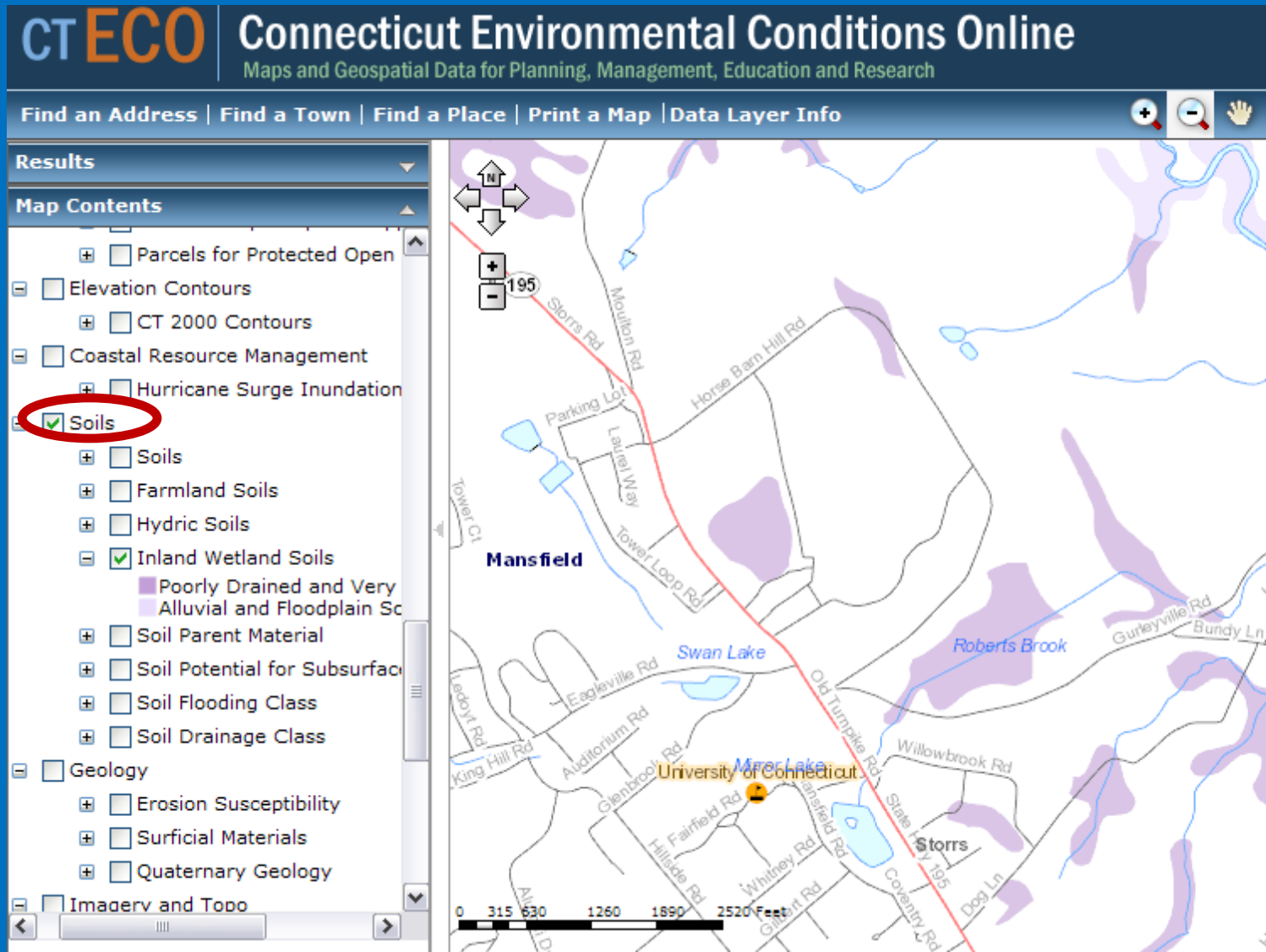
Soil Data Explorer Tab -- Web Soil Survey -- for Connecticut

Soil Interpretation	Map or Table Name	Tab of Soil Data Explorer	Menu	Sub Menu	Map or Table	User Options		Notes
						Minor Soils	Depth Range	
AASHTO	AASHTO Group Classification, Surface	Soil Properties and Qualities	Soil Qualities and Features		M,T	•		
	Engineering Properties	Soil Reports	Soil Physical Properties		T	•		Interp uses typical depths
Animal Disposal	Catastrophic Mortality, Large Animal Disposal, Pit	Suitabilities and Limitations for Use	Disaster Recovery Planning		M,T	•		
	Catastrophic Mortality, Large Animal Disposal, Trench	Suitabilities and Limitations for Use	Disaster Recovery Planning		M,T	•		
	DHS - Catastrophic Mortality, Large Animal Disposal, Pit	Soil Reports	AOI Inventory	Selected Soil Interpretations	T	•		
	DHS - Catastrophic Mortality, Large Animal Disposal, Trench	Soil Reports	AOI Inventory	Selected Soil Interpretations	T	•		
	Large Animal Carcass Disposal	Soil Reports	Waste Management		T	•		
Available Water Capacity	Available Water Capacity	Soil Properties and Qualities	Soil Physical Properties		M,T	•	•	
	Available Water Capacity, 0 to 100 cm	Soil Properties and Qualities	Soil Physical Properties		M,T	•		
	Available Water Capacity, 0 to 150 cm	Soil Properties and Qualities	Soil Physical Properties		M,T	•		
	Available Water Capacity, 0 to 25 cm	Soil Properties and Qualities	Soil Physical Properties		M,T	•		
	Available Water Capacity, 0 to 50 cm	Soil Properties and Qualities	Soil Physical Properties		M,T	•		
	Physical Soil Properties	Soil Reports	Soil Physical Properties		T			Interp uses typical depths
Bivouac Areas	Bivouac Areas	Suitabilities and Limitations for Use	Military Operations		M,T	•		
	MIL-Bivouac Areas (DOD)	Soil Reports	AOI Inventory	Selected Soil Interpretations	T	•		
Buildings, Small Commercial	Small Commercial Buildings	Suitabilities and Limitations for Use	Building Site Development		M,T	•		
	ENG-Small Commercial Buildings	Soil Reports	AOI Inventory	Selected Soil Interpretations	T	•		
	Dwellings and Small Commercial Buildings	Soil Reports	Building Site Development		T	•		

USDA NRCS
February 12, 2009

Connecticut Environmental Conditions Online

Users can make maps online or download them!



Soil Survey Apps

- Developed by Univ. of Calif. – Davis
- Access official USDA NRCS soils information (limited info available)
- Utilize iPhone and Android phones GPS systems to provide on-demand soils info
- Google Maps and Google Earth interfaces
- http://casoilresource.lawr.ucdavis.edu

When not to use a soil survey

- To regulate from – only a guide
- For site specific locations and applications
- In a disturbed area