

You are here: Web Soil Survey Home

Search

Enter Keyword

All NRCS Sites

Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)

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



STEP 1
CLICK HERE TO START

Welcome to Web Soil Survey (WSS)



Web Soil Survey (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.

I Want To...

- 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

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

- Search** <<
- Area of Interest** >>
- Import AOI <<
- Quick Navigation** >>
- Address <<
- 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 <<
- Hydrologic Unit <<

**CLICK HERE
STEP 2**

Legend

Area of Interest Interactive Map



Area of Interest (AOI)

Soil Map

Soil Data Explorer

Download Soils Data

Shopping C

STEP 3

Search

Area of Interest

Import AOI

Quick Navigation

Address

State and County

Soil Survey Area

Set AOI | Select Map Units | View ?

State

County (optional)

SELECT STATE AND COUNTY

Soil Survey Area

Name	Area	Data Symbol Availability	Version
<input type="radio"/> Cumberland County and Town of Oxford County, Maine	ME005	Tabular and Spatial, Complete	Soil Survey Area version 17, Jun 5, 2020 Tabular: Version 16, Jun 5, 2020 Spatial: Version 7, Sep 16, 2019

TURN BUTTON ON

Show Soil Survey Areas Layer in Map

LASTLY CLICK "Set AOI"

Set AOI | Select Map Units | View

Latitude and Longitude or Current Location

PLSS (Section, Township, Range)

Bureau of Land Management

Area of Interest Interactive Map

Legend



RESULT OF STEP ACTIONS

Search

Area of Interest

Open All Close All

AOI Properties

Clear AOI ?

AOI Information

Name

Map Unit Symbols Use Soil Survey Area Map Unit Symbols
 Use National Map Unit Symbols

Area (acres) 807,228

Soil Data Available from Web Soil Survey

Cumberland County and Part of Oxford County, Maine (ME005)

Data Availability Tabular and Spatial, complete

Tabular Data Version 16, Jun 5, 2020

Spatial Data Version 7, Sep 16, 2019

Clear AOI

Import AOI

Export AOI

Quick Navigation

Address

State and County

Soil Survey Area

Set AOI Select Map Units View ?

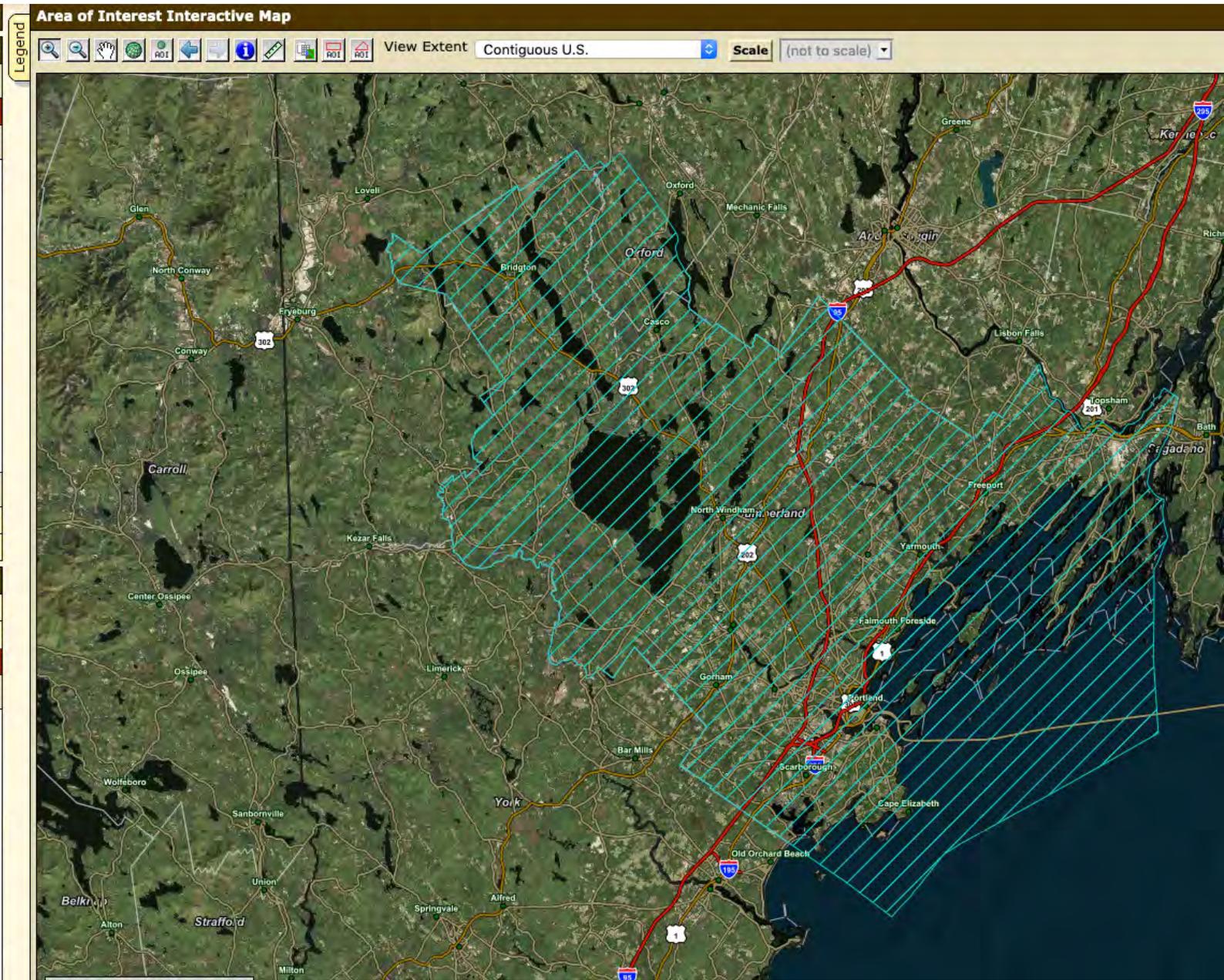
State

County (optional)

Soil Survey Area

Name	Area	Data	Version
		Symbol Availability	
<input checked="" type="radio"/> Cumberland ME005 Cumberland County and Part of Oxford County, Maine	Tabular and Spatial, complete	Survey Area: Version 17, Jun 5, 2020 Tabular: Version 16, Jun 5, 2020 Spatial: Version 7, Sep 16, 2019	

Show Soil Survey Area Layer in Map



STEP 4

Area of Interest (AOI)

Soil Map

Soil Data Explorer

Download Soils Data

Shopping Cart (Free)

CLICK HERE

Search

Area of Interest

[Open All](#) [Close All](#)

AOI Properties

[Clear AOI](#) ?

AOI Information

Name

- Map Unit Symbols
- Use Soil Survey Area Map Unit Symbols
 - Use National Map Unit Symbols

Area (acres) 807,228

Soil Data Available from Web Soil Survey

Cumberland County and Part of Oxford County, Maine (ME005)

Data Availability Tabular and Spatial, complete

Tabular Data Version 16, Jun 5, 2020

Spatial Data Version 7, Sep 16, 2019

[Clear AOI](#)

[Import AOI](#)

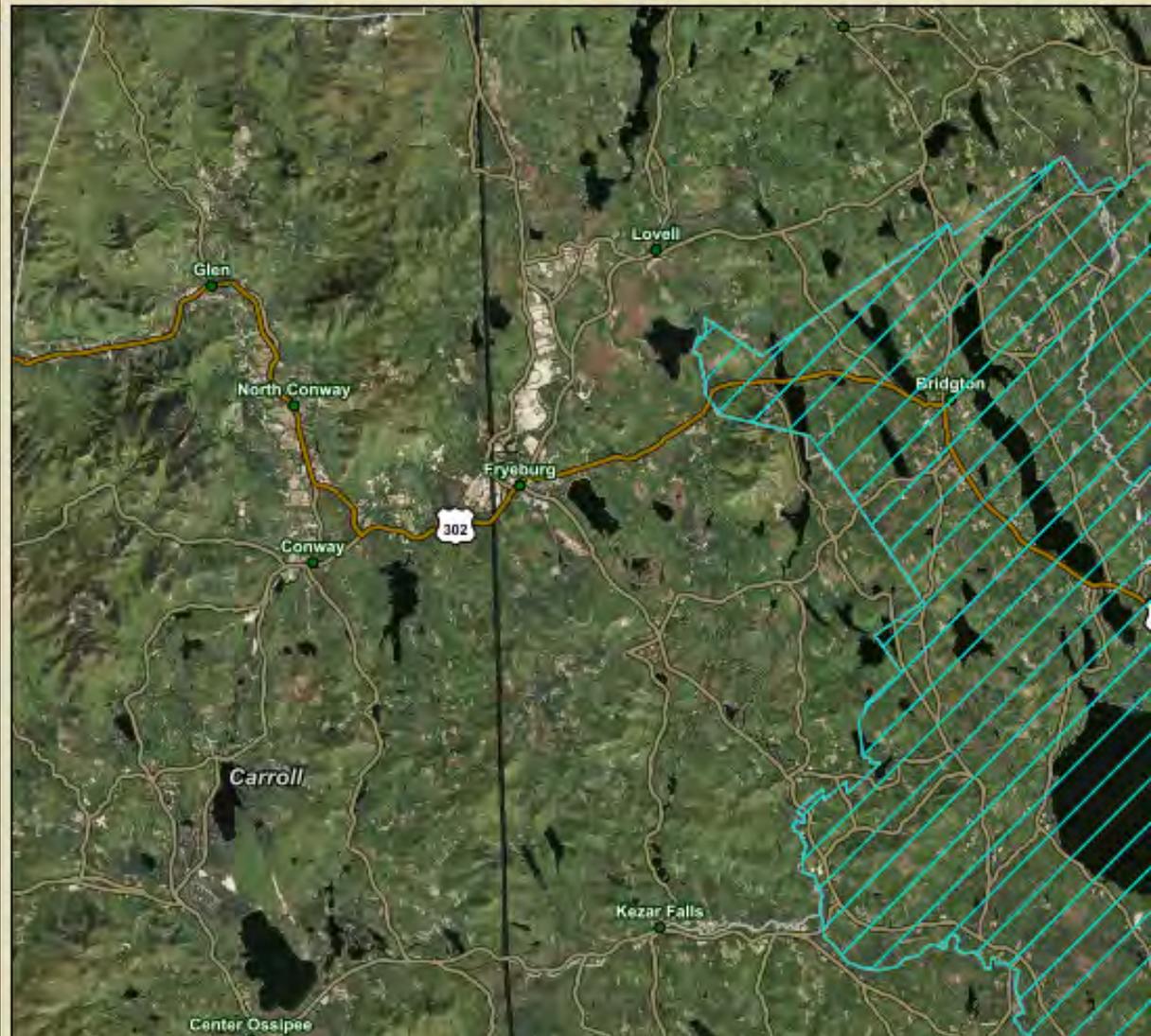
[Export AOI](#)

Quick Navigation

[Address](#)

Area of Interest Interactive Map





View Soil Information By Use:

Search

Suitabilities and Limitations Ratings

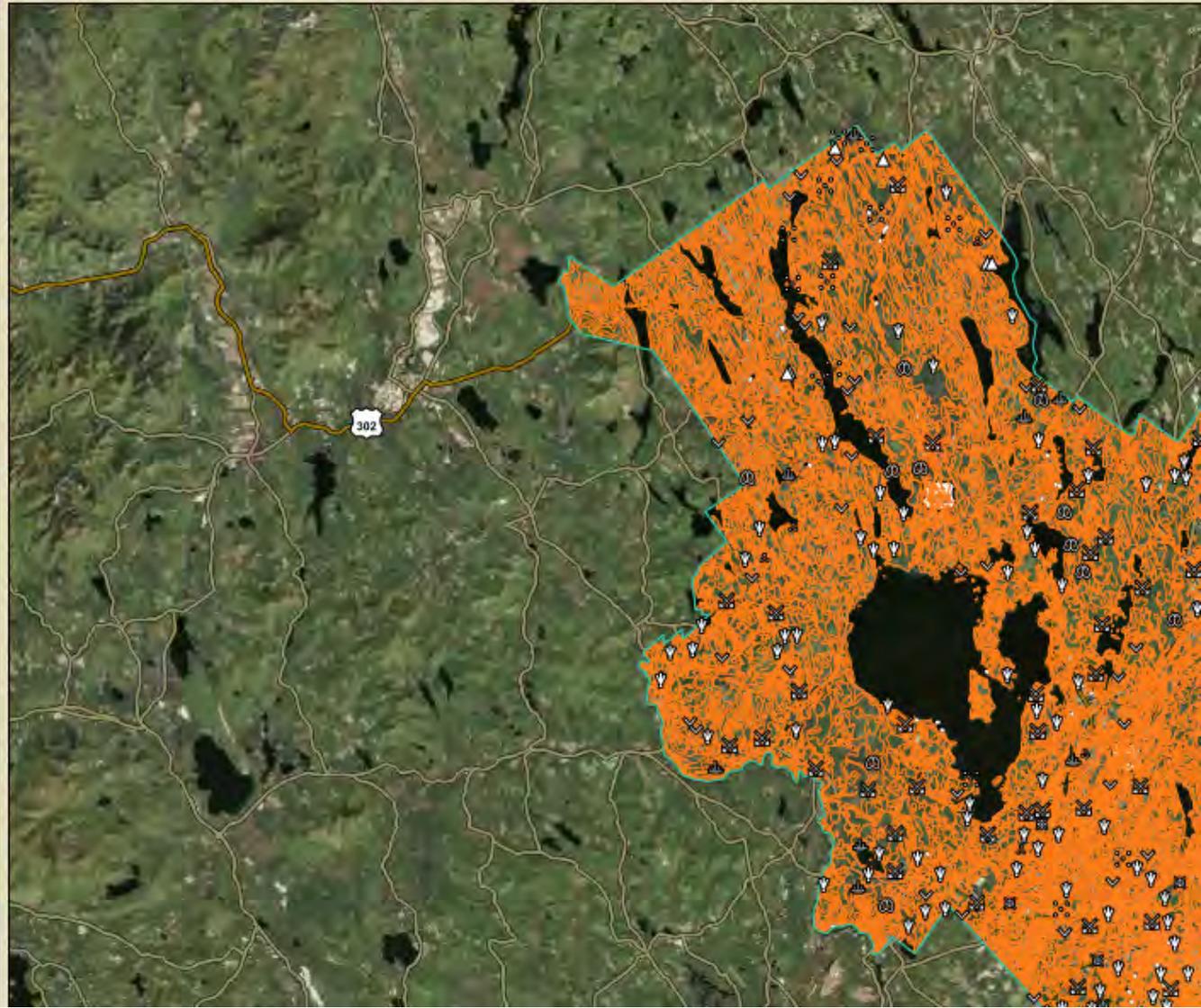
?

Building Site Development	? ⌵
Construction Materials	? ⌵
Disaster Recovery Planning	? ⌵
Land Classifications	? ⌵
Land Management	? ⌵
Military Operations	? ⌵
Recreational Development	? ⌵
Sanitary Facilities	? ⌵
Soil Health	? ⌵
Vegetative Productivity	? ⌵
Waste Management	? ⌵
Water Management	? ⌵

Legend

Soil Map

Scale (not to scale)



 **CLICK HERE**

STEP 5

View Soil Information By Use:

Search	
Soil Reports	
Open All Close All ?	
AOI Inventory	? ⌵
Building Site Development	? ⌵
Construction Materials	? ⌵
Disaster Recovery Planning	? ⌵
Land Classifications	? ⌵
Land Management	? ⌵
Recreational Development	? ⌵
Sanitary Facilities	? ⌵
Soil Chemical Properties	? ⌵
Soil Erosion	? ⌵
Soil Health	? ⌵
Soil Physical Properties	? ⌵
Soil Qualities and Features	? ⌵
Vegetative Productivity	? ⌵
Waste Management	? ⌵
Water Features	? ⌵
Water Management	? ⌵

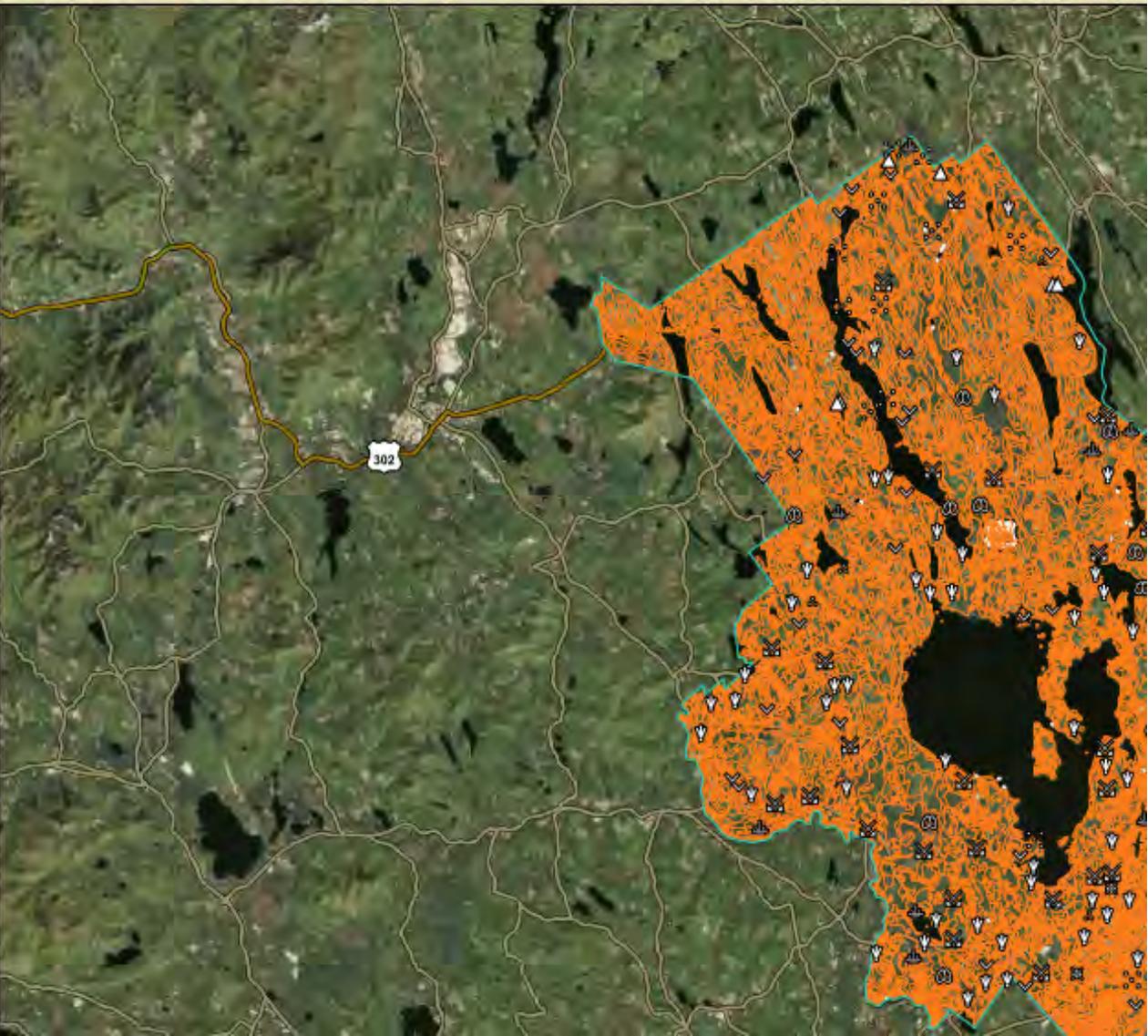
CLICK HERE 

STEP 6

Soil Map

Legend

 **Scale** (not to scale) ▾



Area of Interest (AOI)

Soil Map

Soil Data Explorer

Download Soils Data

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View Soil Information By Use:

Intro to Soils

Suitabilities and Limitations for Use

Soil Properties and Qualities

Ecological Sites

Soil Reports

Search

Soil Reports

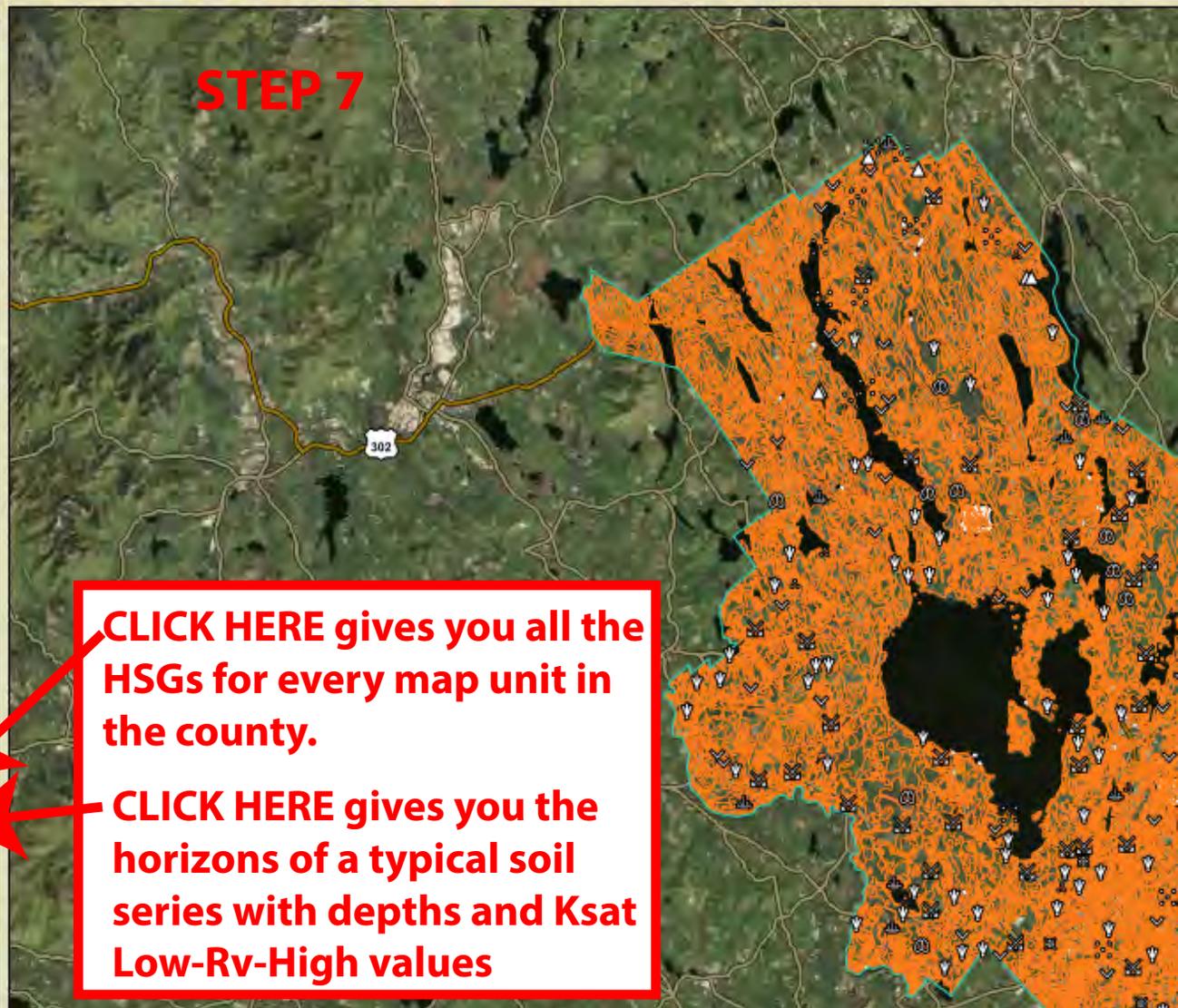
[Open All](#) [Close All](#)

- AOI Inventory
- Building Site Development
- Construction Materials
- Disaster Recovery Planning
- Land Classifications
- Land Management
- Recreational Development
- Sanitary Facilities
- Soil Chemical Properties
- Soil Erosion
- Soil Health
- Soil Physical Properties
- Soil Qualities and Features
- Vegetative Productivity
- Waste Management
- Water Features**
- Hydrologic Soil Group and Surface Runoff
- Soil HSG Properties (ME)
- Water Features
- Water Management

Legend

Soil Map

Scale



STEP 7

CLICK HERE gives you all the HSGs for every map unit in the county.

CLICK HERE gives you the horizons of a typical soil series with depths and Ksat Low-Rv-High values

Area of Interest (AOI)

Soil Map

Soil Data Explorer

Download Soils Data

Shopping Cart (Free)

View Soil Information By Use:

Intro to Soils

Suitabilities and Limitations for Use

Soil Properties and Qualities

Ecological Sites

Soil Reports

Search

Soil Reports

[Open All](#) [Close All](#)

- AOI Inventory
- Building Site Development
- Construction Materials
- Disaster Recovery Planning
- Land Classifications
- Land Management
- Recreational Development
- Sanitary Facilities
- Soil Chemical Properties
- Soil Erosion
- Soil Health
- Soil Physical Properties
- Soil Qualities and Features
- Vegetative Productivity
- Waste Management

Water Features

Hydrologic Soil Group and Surface Runoff

Soil HSG Properties (ME)

[View Description](#) [View Soil Report](#)

Options

Include minor soils? **CLICK HERE**

[View Description](#) [View Soil Report](#)

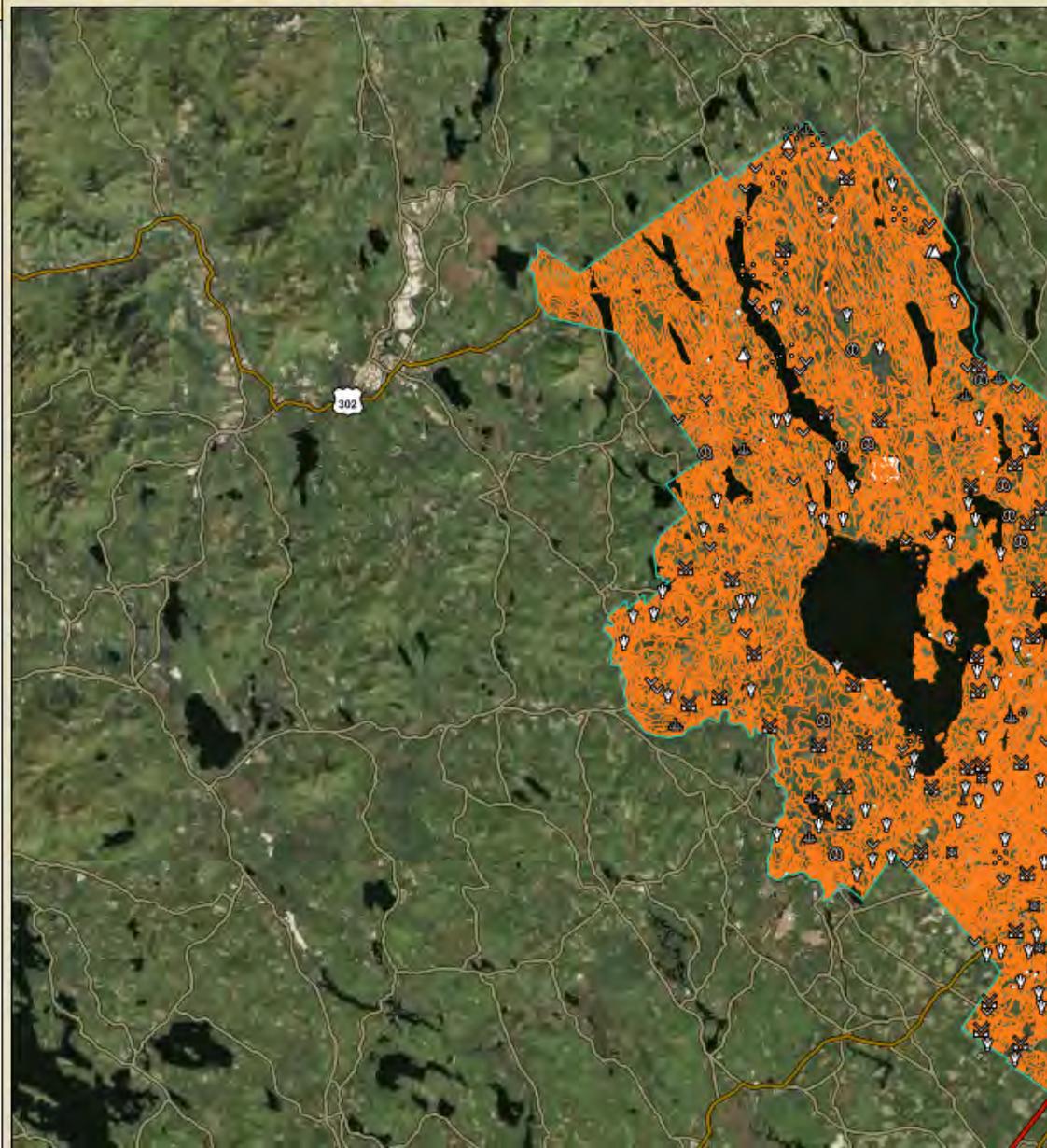
Water Features

Water Management

Soil Map

Legend

Scale (not to scale)



STEP 8

RESULT OF ACTIONS

Water Features ?

Hydrologic Soil Group and Surface Runoff

Soil HSG Properties (ME) ?

[View Description](#) [View Soil Report](#)

Options ?

Include minor soils?

[View Description](#) [View Soil Report](#)

Water Features ?

Water Management ?



Report — Soil HSG Properties (ME)

The properties presented in this report are used to assign HSG using Chapter 7 of the NRCS National Engineering Handbook (NEH), Part 630. It uses depth to water impermeable layer, depth to water table (SHWT), and saturated hydraulic conductivity (Ksat) of the least transmissive layer above the water impermeable layer to determine HSG.

Cumberland County and Part of Oxford County, Maine

Map symbol and soil name	Pct. of map unit	Horizon Name	Depth (inches)	Ksat low (micro m/sec)	Ksat rv (micro m/sec)	Ksat high (micro m/sec)	Restriction depth Low (cm)	Restriction depth rv (cm)	Restriction depth high (cm)	Water table depth low (cm)	Water table depth (cm)
AbE—Abram-Rock outcrop complex, 15 to 80 percent slopes											
Abram	50	Oa	0-1	10.0000	41.0000	100.0000	3	13	25		
		H1	1-5	14.1100	28.2300	42.3400					
		R	5-9	0.0050	0.0090	1.4000					
AbE—Abram-Rock outcrop complex, 15 to 80 percent slopes											

SCROLL DOWN FOR ALL THE SOIL SERIES`

Note: This may be all you need to complete the MAPSS HSG Worksheet. If you want to download the entire county soil series data (463 p. for Cumberland, for example), proceed to STEP 9

STEP 9:

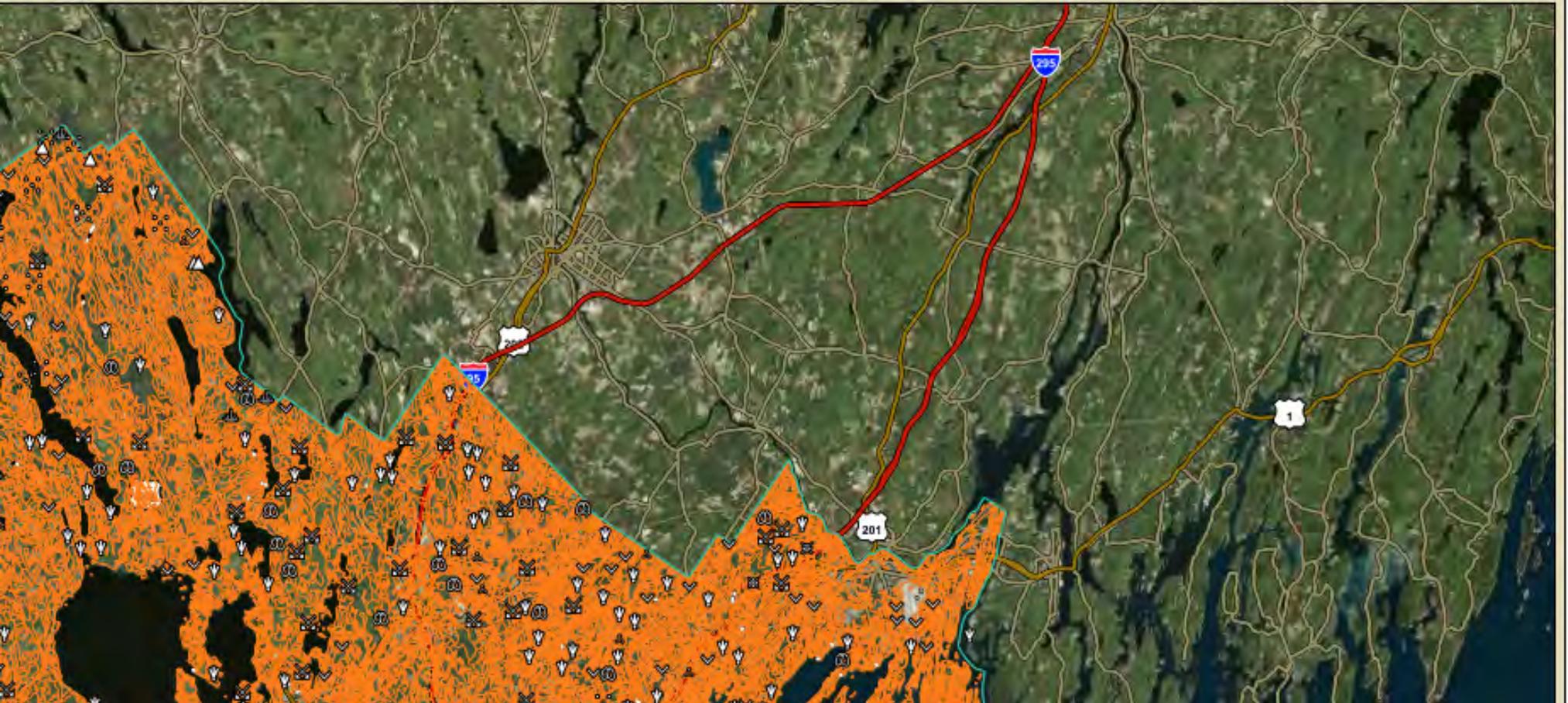
Printable Version

Add to Shopping Cart



Soil Reports

CLICK HERE



STEP 10:

CLICK HERE FIRST. The index box will appear at lower left; check or uncheck what sections you need.

CLICK HERE SECONDLY. A dialog box appears with a choice of “Get” or “Download Later”. It will download as a PDF file which you then save to the appropriate folder on your hard drive.

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

Search

Report Properties

Title

Title: Custom Soil Resource Report for Cumberland County and Part of Oxford County, Maine

Subtitle

Area of Interest Name: (none defined)

Custom Subtitle:

None

Map Options

Map Scale: Fit to page

Printed Sheet Size: A landscape (11" x 8.5") — 1 sheet

Show UTM Coordinate Ticks

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