

Soil Survey Evaluation for Essex County, VT
Vermont NRCS
November 2011

This report contains general information about the history of the soil survey and an evaluation of the available soil survey information for use in planning for maintenance and updates to the soil survey.

1. General Information

A. State Soil Survey Area ID (STSSAID)	VT009
B. Acres (from NRI)	
Total land acres in the survey area	426,200
Total census water in the survey area	5,000
Total Surface area	431,200
Approximate acres within MLRA 143	347,776
Approximate acres within MLRA 144B	83,424

Correlation

A. Correlation date	04/2011
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Initial Soil Survey

A. Publication date	10/2011
B. Publication scale	1:24,000
C. Photobase	1m Digital Terrain Model, Orthophoto
D. Mapping order	2
E. Field Mapping scale	1:12000 – 1:24000
F. Field Mapping	
Started	2006
Completed	2010
G. Soil Survey Status	Initial

Digital soil Survey

A. Date survey digitized	2010 - 2011
B. Digitizing base map	1m Digital Terrain Model, Orthophoto
C. Digitizing Scale	1:5000 – 1:12000
D. Date of SSURGO Certification	10/2011

2. Quality of the Existing Soil Survey

Published Soil Survey

The soil survey for Essex County was published via Soil Data Mart and Web Soil Survey in October 2011.

Soil Maps

The soil mapping has been completed. The mapping quality meets current standards. Officially certified soil maps derived from SSURGO data are available on Web Soil Survey and the Soil Data Mart.

Taxonomic and Map Unit Names and Descriptions

These meet current standards. Map unit descriptions are available on Web Soil Survey and the Soil Data Mart.

This legend may be updated after Final Correlation.

Map Unit Symbol and Name	Map Unit Issues by MLRA-Concern Number (none currently noted)				
3A Charles silt loam, 0 to 2 percent slopes, frequently flooded					
6A Adams loamy fine sand, 0 to 3 percent slopes					
6B Adams loamy fine sand, 3 to 8 percent slopes					
6C Adams loamy fine sand, 8 to 15 percent slopes					
6D Adams loamy fine sand, 15 to 25 percent slopes					
6E Adams loamy fine sand, 25 to 60 percent slopes					
8B Nicholville silt loam, 3 to 8 percent slopes					
11A Sheepscot gravelly fine sandy loam, 0 to 3 percent slopes					
11B Sheepscot gravelly fine sandy loam, 3 to 8 percent slopes					
14B Vershire-Lombard complex, 3 to 8 percent slopes, rocky					
14C Vershire-Lombard complex, 8 to 15 percent slopes, rocky					
14D Vershire-Lombard complex, 15 to 25 percent slopes, rocky					
20B Buckland very fine sandy loam, 3 to 8 percent slopes					
20C Buckland very fine sandy loam, 8 to 15 percent slopes					
20D Buckland very fine sandy loam, 15 to 25 percent slopes					
21B Buckland very fine sandy loam, 3 to 8 percent slopes, very stony					

Soil Survey Evaluation for Essex County, Vermont

21C	Buckland very fine sandy loam, 8 to 15 percent slopes, very stony					
21D	Buckland very fine sandy loam, 15 to 35 percent slopes, very stony					
25A	Kinsman sand, 0 to 3 percent slopes					
30A	Ondawa-Sunday complex, 0 to 2 percent slopes, occasionally flooded					
31A	Podunk fine sandy loam, 0 to 2 percent slopes, occasionally flooded					
32A	Colton-Duxbury complex, 0 to 3 percent slopes					
32B	Colton-Duxbury complex, 3 to 8 percent slopes					
32C	Colton-Duxbury complex, 8 to 15 percent slopes					
32D	Colton-Duxbury complex, 15 to 25 percent slopes					
32E	Colton-Duxbury complex, 25 to 60 percent slopes					
38A	Croghan loamy fine sand, 0 to 3 percent slopes					
38B	Croghan loamy fine sand, 3 to 8 percent slopes					
56C	Vershire-Glover complex, 8 to 15 percent slopes, very rocky					
56D	Vershire-Glover complex, 15 to 35 percent slopes, very rocky					
56E	Vershire-Glover complex, 35 to 60 percent slopes, very rocky					
100	Pits, Sand, and Pits, Gravel					
104B	Urban land-Adams-Nicholville complex, 0 to 8 percent slopes					
214B	Vershire-Lombard complex, 3 to 8 percent slopes, very stony					
214C	Vershire-Lombard complex, 8 to 15 percent slopes, very stony					
214D	Vershire-Lombard complex, 15 to 35 percent slopes, very stony					
SIE8	Wonsqueak, Pondicherry, and Bucksport mucks, 0 to 2 percent slopes					
SIE11	Cabot silt loam, 0 to 8 percent slopes, very stony					
SIE11N	Cabot silt loam, 0 to 3 percent slopes					
SIE12	Cabot-Colonel complex, 8 to 15 percent					

Soil Survey Evaluation for Essex County, Vermont

slopes, very stony						
SIE12N Cabot-Colonel complex, 8 to 15 percent slopes						
SIE21 Wilmington-Colonel complex, 0 to 8 percent slopes, very stony						
SIE21N Wilmington-Colonel complex, 3 to 8 percent slopes						
SIE32 Colonel-Dixfield complex, 8 to 15 percent slopes, very stony						
SIE32N Colonel-Dixfield complex, 8 to 15 percent slopes						
SIE33 Dixfield-Colonel complex, 15 to 35 percent slopes, very stony						
SIE33N Dixfield-Colonel complex, 15 to 25 percent slopes						
SIE34 Dixfield fine sandy loam, 35 to 60 percent slopes, very stony						
SIE41 Tunbridge-Dixfield-Wilmington complex, 0 to 8 percent slopes, very stony						
SIE41N Tunbridge-Dixfield-Wilmington complex, 3 to 8 percent slopes, rocky						
SIE42 Tunbridge-Colonel-Cabot complex, 8 to 15 percent slopes, very stony						
SIE42N Tunbridge-Colonel-Cabot complex, 8 to 15 percent slopes, rocky						
SIE43 Tunbridge-Dixfield-Colonel complex, 15 to 35 percent slopes, very stony						
SIE43N Tunbridge-Dixfield-Colonel complex, 15 to 25 percent slopes, rocky						
SIE44 Tunbridge-Dixfield complex, 35 to 60 percent slopes, very stony						
SIE52 Lyman-Tunbridge complex, 8 to 15 percent slopes, very rocky						
SIE53 Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky						
SIE54 Lyman-Tunbridge complex, 35 to 60 percent slopes, very rocky						
SIE55 Lyman-Knob Lock-Rock outcrop complex, 60 to 80 percent slopes, very stony						
SIE60 Moosilauke very fine sandy loam, 0 to 8 percent slopes, very stony						
SIE60N Moosilauke very fine sandy loam, 0 to 3 percent slopes						
SIE61 Sunapee-Moosilauke complex, 0 to 8 percent slopes,						

Soil Survey Evaluation for Essex County, Vermont

very stony						
SIE61N Sunapee-Moosilauke complex, 3 to 8 percent slopes						
SIE62 Monadnock-Sunapee-Colonel complex, 8 to 15 percent slopes, very stony						
SIE62N Monadnock-Sunapee-Colonel complex, 8 to 15 percent slopes						
SIE63 Monadnock-Sunapee complex, 15 to 35 percent slopes, very stony						
SIE63N Monadnock-Sunapee complex, 15 to 25 percent slopes						
SIE64 Monadnock fine sandy loam, 35 to 60 percent slopes, very stony						
SIE92 Ricker-Londonderry complex, 8 to 15 percent slopes, very rocky						
SIE93 Ricker-Londonderry-Saddleback complex, 15 to 35 percent slopes, very rocky						
SIE94 Ricker-Saddleback-Rock outcrop complex, 35 to 60 percent slopes, very stony						
W Water						

Interpretations

Interpretations are available in the Field Office Technical Guide (Section II - Part I. Soils Information) and on the Soil Data Mart. Some interpretations are available on Soil Fact Sheets.

3. Digital Soil Survey/Tabular Soil Survey Data

SSURGO-certified data is posted to the Soil Data Mart and Web Soil Survey.

4. Plans to update the Soil Survey

This section will be completed by the MLRA Soil Survey Office after a review of county SS evaluations.

5. Staff and Budget needed to update the Soil Survey

This section will be completed by the MLRA Soil Survey Office after a review of county SS evaluations.