

Soil Survey Evaluation for Windsor County, VT
Vermont NRCS
2010

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)	VT027
B. Acres (from NRI)	
Total land acres in the survey area	621,700
Total census water in the survey area	3,600
Total Surface area	625,300
Approximate acres within MLRA 143 (as of 1996)	187,600
Approximate acres within MLRA 144B (as of 1996)	375,200
Approximate acres within MLRA 145 (as of 1996)	62,500
Approximate acres within the Green Mountain National Forest (GMNF)	22,000

Correlation

A. Correlation date	2000
B. Correlation Amendment Dates	
First	5/2002

Initial Soil Survey

A. Publication date	
B. Publication scale	1:24,000
C. Photobase	Orthophoto, NRCS
D. Mapping order	2 (3 in GMNF)
E. Field Mapping scale	1:18,000 to 1:21,600 outside of GMNF
F. Field Mapping	
Started	1985
Completed	1998
G. Soil Survey Status	Initial

Digital Soil Survey

A. Date survey digitized	2000
B. Digitizing base map	Orthophoto, VT
C. Digitizing Scale	1:20,000
D. Date of SSURGO Certification	2002

2. Quality of the Existing Soil Survey

Published Soil Survey

The soil survey for this area has been published on Web Soil Survey. This is a current soil survey. The mapping quality meets current standards. Mapping in the Green Mountain National Forest is at Order 3 level, conforming to the Ecological Land Type mapping done by the US Forest Service.

Soil Maps

The soil mapping has been completed. Officially certified soil maps derived from SSURGO data are available on: 1) the Web Soil Survey, 2) the Soil Data Mart, and 3) paper copies available at the local field office.

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.

List of Map Unit Concerns by MLRA – see legend below for concerns for individual map units

MLRA 143

143-Y. This is the only county in the state where this series (or one of the series in a complex) is mapped.

MLRA 144B

144B-Y. This is the only county in the state where this series (or one of the series in a complex) is mapped.

Map Unit Symbol and Name	Map Unit Issues by MLRA-Concern Number (see above)						
1B Hitchcock silt loam, 3 to 8 percent slopes							
1C Hitchcock silt loam, 8 to 15 percent slopes							
1D Hitchcock silt loam, 15 to 25 percent slopes							
1E Hitchcock silt loam, 25 to 50 percent slopes, eroded							
2A Belgrade silt loam, 0 to 3 percent slopes							
2B Belgrade silt loam, 3 to 8 percent slopes							
3 Pits, quarry-Dumps, mine complex							
4A Raynham silt loam, 0 to 3 percent slopes							
5B Windsor loamy fine sand, 0 to 8 percent slopes							

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5C Windsor loamy fine sand, 8 to 15 percent slopes							
5D Windsor loamy fine sand, 15 to 25 percent slopes							
5E Windsor loamy fine sand, 25 to 60 percent slopes							
8A Agawam fine sandy loam, 0 to 3 percent slopes							
8B Agawam fine sandy loam, 3 to 8 percent slopes							
9B Ninigret fine sandy loam, 0 to 8 percent slopes							
10C Marlow fine sandy loam, 8 to 15 percent slopes							
10D Marlow fine sandy loam, 15 to 25 percent slopes							
11C Marlow fine sandy loam, 8 to 15 percent slopes, very stony							
11D Marlow fine sandy loam, 15 to 35 percent slopes, very stony							
11E Marlow fine sandy loam, 35 to 60 percent slopes, very stony							
12C Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky							
12D Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky							
12E Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky							
14B Hinckley sandy loam, 0 to 8 percent slopes							
14C Hinckley sandy loam, 8 to 15 percent slopes							
14D Hinckley sandy loam, 15 to 25 percent slopes							
14E Hinckley sandy loam, 25 to 50 percent slopes							
15B Dummerston fine sandy loam, 3 to 8 percent slopes							

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15C Dummerston fine sandy loam, 8 to 15 percent slopes							
15D Dummerston fine sandy loam, 15 to 25 percent slopes							
16C Dummerston fine sandy loam, 8 to 15 percent slopes, very stony							
16D Dummerston fine sandy loam, 15 to 35 percent slopes, very stony							
16E Dummerston fine sandy loam, 35 to 60 percent slopes, very stony							
17B Peru, Skerry, and Colonel soils, 3 to 8 percent slopes		143-Y					
17C Peru, Skerry, and Colonel soils, 8 to 15 percent slopes		143-Y					
17D Peru, Skerry, and Colonel soils, 15 to 25 percent slopes		143-Y					
18B Peru, Skerry, and Colonel soils, 3 to 8 percent slopes, very stony		143-Y					
18C Peru, Skerry, and Colonel soils, 8 to 15 percent slopes, very stony		143-Y					
18D Peru, Skerry, and Colonel soils, 15 to 35 percent slopes, very stony		143-Y					
19B Vershire-Dummerston complex, 3 to 8 percent slopes, rocky							
19C Vershire-Dummerston complex, 8 to 15 percent slopes, rocky							
19D Vershire-Dummerston complex, 15 to 25 percent slopes, rocky							
19E Vershire-Dummerston complex, 25 to 60 percent slopes, rocky							

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20C Glover-Vershire complex, 3 to 15 percent slopes, very rocky							
20D Glover-Vershire complex, 15 to 35 percent slopes, very rocky							
20E Glover-Vershire complex, 35 to 60 percent slopes, very rocky							
21B Shelburne fine sandy loam, 3 to 8 percent slopes	144B-Y						
21C Shelburne fine sandy loam, 8 to 15 percent slopes	144B-Y						
21D Shelburne fine sandy loam, 15 to 25 percent slopes	144B-Y						
22B Shelburne fine sandy loam, 3 to 8 percent slopes, very stony	144B-Y						
22C Shelburne fine sandy loam, 8 to 15 percent slopes, very stony	144B-Y						
22D Shelburne fine sandy loam, 15 to 35 percent slopes, very stony	144B-Y						
23 Ondawa fine sandy loam, 0 to 3 percent slopes, occasionally flooded							
24 Podunk fine sandy loam, 0 to 3 percent slopes, occasionally flooded							
25B Buckland loam, 3 to 8 percent slopes							
25C Buckland loam, 8 to 15 percent slopes							
25D Buckland loam, 15 to 25 percent slopes							
26B Buckland loam, 3 to 8 percent slopes, very stony							
26C Buckland loam, 8 to 15 percent slopes, very stony							
26D Buckland loam, 15 to 35 percent slopes, very stony							
26E Buckland loam, 35 to 60 percent slopes, very stony							

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28	Udorthents and Udipsamments						
29A	Grange very fine sandy loam, 0 to 3 percent slopes						
30B	Cabot loam, 0 to 8 percent slopes						
30C	Cabot loam, 8 to 15 percent slopes						
31B	Cabot loam, 0 to 8 percent slopes, very stony						
31C	Cabot loam, 8 to 15 percent slopes, very stony						
32B	Urban land-Windsor-Agawam complex, 0 to 8 percent slopes						
33	Rumney fine sandy loam, 0 to 2 percent slopes, frequently flooded						
36C	Teago-Pomfret complex, 8 to 15 percent slopes, rocky	144B-Y					
36D	Teago-Pomfret complex, 15 to 25 percent slopes, rocky	144B-Y					
36E	Teago-Pomfret complex, 25 to 50 percent slopes, rocky	144B-Y					
38	Hadley very fine sandy loam, 0 to 3 percent slopes, occasionally flooded						
39	Winooski silt loam, 0 to 3 percent slopes, occasionally flooded						
40	Limerick silt loam, 0 to 2 percent slopes, frequently flooded						
41	Saco silt loam, 0 to 2 percent slopes, frequently flooded						
42D	Lyman-Rock outcrop complex, 15 to 35 percent slopes, very stony						
42F	Lyman-Rock outcrop complex, 35 to 70 percent slopes, very stony						

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43D	Hogback-Rock outcrop-Rawsonville complex, 15 to 35 percent slopes, very bouldery						
43F	Hogback-Rock outcrop-Rawsonville complex, 35 to 70 percent slopes, very bouldery						
45B	Eldridge fine sandy loam, 3 to 8 percent slopes						
45C	Eldridge fine sandy loam, 8 to 15 percent slopes						
45D	Eldridge fine sandy loam, 15 to 25 percent slopes						
45E	Eldridge fine sandy loam, 25 to 50 percent slopes						
47	Pondicherry and Wonsqueak mucks, ponded						
48	Pits, Sand, and Pits, gravel						
49B	Vershire-Buckland complex, 3 to 8 percent slopes						
49C	Vershire-Buckland complex, 8 to 15 percent slopes						
49D	Vershire-Buckland complex, 15 to 25 percent slopes						
54B	Tunbridge-Lyman complex, 3 to 8 percent slopes, rocky						
54C	Tunbridge-Lyman complex, 8 to 15 percent slopes, rocky						
54D	Tunbridge-Lyman complex, 15 to 25 percent slopes, rocky						
56	Bucksport muck, ponded						
58C	Berkshire-Tunbridge complex, 8 to 15 percent slopes, very stony						
58D	Berkshire-Tunbridge complex, 15 to 35 percent slopes, very stony						
58E	Berkshire-Tunbridge complex, 35 to 50 percent slopes, very stony						

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59C	Rawsonville-Houghtonville complex, 8 to 15 percent slopes, rocky						
59D	Rawsonville-Houghtonville complex, 15 to 35 percent slopes, rocky						
59E	Rawsonville-Houghtonville complex, 35 to 60 percent slopes, rocky						
60D	Glebe-Stratton complex, 15 to 35 percent slopes, very stony						
60F	Glebe-Stratton complex, 35 to 70 percent slopes, very stony						
61D	Ricker-Londonderry-Stratton complex, 15 to 35 percent slopes, very rocky						
61F	Ricker-Londonderry-Stratton complex, 35 to 70 percent slopes, very rocky						
62C	Hogback-Rawsonville complex, 8 to 15 percent slopes, very rocky						
62D	Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky						
62E	Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky						
63C	Berkshire and Monadnock fine sandy loams, 8 to 15 percent slopes, very stony						
63D	Berkshire and Monadnock fine sandy loams, 15 to 35 percent slopes, very stony						
63E	Berkshire and Monadnock fine sandy loams, 35 to 60 percent slopes, very stony						
64B	Colton fine sandy loam, 3 to 8 percent slopes						
64C	Colton fine sandy loam, 8 to 15 percent slopes						
64D	Colton fine sandy loam, 15 to 25 percent slopes						

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64E	Colton fine sandy loam, 25 to 60 percent slopes						
68B	Berkshire and Monadnock fine sandy loams, 3 to 8 percent slopes						
68C	Berkshire and Monadnock fine sandy loams, 8 to 15 percent slopes						
68D	Berkshire and Monadnock fine sandy loams, 15 to 25 percent slopes						
70B	Adams loamy fine sand, 3 to 8 percent slopes						
70C	Adams loamy fine sand, 8 to 15 percent slopes						
70D	Adams loamy fine sand, 15 to 25 percent slopes						
70E	Adams loamy fine sand, 25 to 60 percent slopes						
71B	Croghan and Sheepscot fine sandy loams, 0 to 8 percent slopes						
71C	Croghan and Sheepscot fine sandy loams, 8 to 15 percent slopes						
74C	Mundal fine sandy loam, 8 to 15 percent slopes, very stony						
74D	Mundal fine sandy loam, 15 to 35 percent slopes, very stony						
75B	Urban land-Colton-Croghan complex, 0 to 8 percent slopes						
79D	Dummerston-Macomber complex, 15 to 25 percent slopes, very stony						
80C	Macomber-Taconic complex, 8 to 15 percent slopes, very rocky						
80D	Macomber-Taconic complex, 15 to 25 percent slopes, very rocky						

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80F	Macomber-Taconic complex, 25 to 70 percent slopes, very rocky						
81D	Taconic-Hubbardton-Rock outcrop complex, 8 to 25 percent slopes						
81F	Taconic-Hubbardton-Rock outcrop complex, 25 to 70 percent slopes						
82	Udfluvents, cobbly, frequently flooded						
85B	Fullam silt loam, 3 to 8 percent slopes						
85C	Fullam silt loam, 8 to 15 percent slopes						
85D	Fullam silt loam, 15 to 25 percent slopes						
86C	Fullam silt loam, 8 to 15 percent slopes, very stony						
86D	Fullam silt loam, 15 to 35 percent slopes, very stony						
89C	Dummerston-Macomber complex, 8 to 15 percent slopes, rocky						
95B	Nicholville-Adams complex, 3 to 8 percent slopes						
95D	Nicholville-Adams complex, 15 to 25 percent slopes						
95E	Nicholville-Adams complex, 25 to 60 percent slopes						
202E	Rawsonville-Hogback-Houghtonville complex, 8 to 60 percent slopes, very rocky						
203D	Peru-Colonel-Marlow association, 3 to 35 percent slopes, very stony						
213F	Stratton-Ricker-Glebe complex, 15 to 70 percent slopes, very rocky						
403B	Cabot-Pondicherry-Wonsqueak association, 0 to 8 percent slopes, very stony						

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415D Tunbridge-Berkshire-Lyman complex, 8 to 50 percent slopes, rocky							
425D Peru-Tunbridge-Berkshire complex, 8 to 35 percent slopes, rocky							
505D Peru-Berkshire-Colton association, 3 to 35 percent slopes, very stony							
702F Hogback-Ricker-Rock outcrop complex, 15 to 70 percent slopes, very stony							
705D Rawsonville-Houghtonville-Mundal complex, 8 to 50 percent slopes, rocky							
W Water							

Interpretations

The soil survey interpretations were approved when the soil survey was correlated. Interpretations developed or revised since correlation are available in the Field Office Technical Guide, Section II Part I, Soils Information, and on the Soil Data Mart. Some interpretations are available through 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.