

**Soil Survey Evaluation for Caledonia 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)	VT005
B. Acres (from NRI)	
Total land acres in the survey area	417,000
Total census water in the survey area	4,200
Total Surface area	421,200
Approximate acres within MLRA 143 (as of 1996)	39,400
Approximate acres within MLRA 144B (as of 1996)	381,800

Correlation

A. Correlation date	2006
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Initial Soil Survey

A. Publication date	
B. Publication scale	1:24,000
C. Photobase	Orthophoto, NRCS
D. Mapping order	2
E. Field Mapping scale	1:18,000 to 1:20,000
F. Field Mapping	
Started	1988
Completed	2005
G. Soil Survey Status	Initial

Digital Soil Survey

A. Date survey digitized	2005 - 2007
B. Digitizing Base Map	Orthophoto, VT
C. Digitizing Scale	1:20,000
F. Date of SSURGO Certification	2007

2. Quality of the Existing Soil Survey

Published Soil Survey

The soil survey for Caledonia County has been published via Soil Data Mart and Web Soil Survey in 2009.

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.

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					
4A Medomak mucky 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					
7B Salmon very fine sandy loam, 3 to 8 percent slopes					
7C Salmon very fine sandy loam, 8 to 15 percent slopes					
7D Salmon very fine sandy loam, 15 to 25 percent slopes					
7E Salmon very fine sandy loam, 25 to 50 percent slopes					
8A Nicholville very fine sandy loam, 0 to 3 percent slopes					
8B Nicholville very fine sandy loam, 3 to 8 percent slopes					
8C Nicholville very fine sandy loam, 8 to 15 percent slopes					
8D Nicholville very fine sandy loam, 15 to 25 percent slopes					
9A Roundabout silt loam, 0 to 3 percent slopes					
11A Sheepscot gravelly fine sandy loam, 0 to 3 percent slopes					
11B Sheepscot gravelly fine sandy loam, 3 to 8 percent slopes					
12A Moosilauke very fine					

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sandy loam, 0 to 3 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						
14E Vershire-Lombard complex, 25 to 35 percent slopes, rocky						
16B Dummerston very fine sandy loam, 3 to 8 percent slopes						
16C Dummerston very fine sandy loam, 8 to 15 percent slopes						
16D Dummerston very fine sandy loam, 15 to 25 percent slopes						
16E Dummerston very fine sandy loam, 25 to 35 percent slopes						
17B Dummerston very fine sandy loam, 3 to 8 percent slopes, very stony						
17C Dummerston very fine sandy loam, 8 to 15 percent slopes, very stony						
17D Dummerston very fine sandy loam, 15 to 35 percent slopes, very stony						
17E Dummerston very fine sandy loam, 35 to 60 percent slopes, very stony						
20B Buckland fine sandy loam, 3 to 8 percent slopes						
20C Buckland fine sandy loam, 8 to 15 percent slopes						
20D Buckland fine sandy loam, 15 to 25 percent slopes						
21B Buckland fine sandy loam, 3 to 8 percent slopes, very stony						
21C Buckland fine sandy loam, 8 to 15 percent slopes, very stony						
21D Buckland fine sandy loam, 15 to 35 percent slopes, very stony						
21E Buckland fine sandy loam, 35 to 60 percent slopes, very stony						
22B Cabot silt loam, 3 to 8 percent slopes						
22C Cabot silt loam, 8 to 15 percent slopes						

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23B	Cabot silt loam, 0 to 8 percent slopes, very stony					
23C	Cabot silt loam, 8 to 15 percent slopes, very stony					
24A	Peacham muck, 0 to 3 percent slopes, very stony					
27A	Bucksport muck, 0 to 2 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					
42A	Rumney fine sandy loam, 0 to 2 percent slopes, frequently flooded					
46B	Lamoine silt loam, 3 to 8 percent slopes					
46C	Lamoine silt loam, 8 to 15 percent slopes					
46D	Lamoine silt loam, 15 to 25 percent slopes					
46E	Lamoine silt loam, 25 to 50 percent slopes					
47A	Scantic silt loam, 0 to 3 percent slopes					
50A	Wonsqueak and Pondicherry mucks, 0 to 2 percent slopes					
56B	Vershire-Glover complex, 3 to 8 percent slopes, very rocky					
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					
58B	Tunbridge-Lyman complex, 0 to 8 percent slopes, rocky					
58C	Tunbridge-Lyman complex, 8 to 15 percent slopes,					

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rocky						
58D Tunbridge-Lyman complex, 15 to 25 percent slopes, rocky						
61B Tunbridge-Lyman complex, 3 to 8 percent slopes, very rocky						
61C Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky						
61D Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky						
61E Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky						
63B Tunbridge-Monadnock complex, 3 to 8 percent slopes, rocky						
63C Tunbridge-Monadnock complex, 8 to 15 percent slopes, rocky						
63D Tunbridge-Monadnock complex, 15 to 25 percent slopes, rocky						
72B Colonel-Cabot complex, 3 to 8 percent slopes						
72C Colonel-Cabot complex, 8 to 15 percent slopes						
72D Colonel-Cabot complex, 15 to 25 percent slopes						
73B Colonel-Cabot complex, 3 to 8 percent slopes, very stony						
73C Colonel-Cabot complex, 8 to 15 percent slopes, very stony						
73D Colonel-Cabot complex, 15 to 35 percent slopes, very stony						
74B Monadnock fine sandy loam, 3 to 8 percent slopes						
74C Monadnock fine sandy loam, 8 to 15 percent slopes						
74D Monadnock fine sandy loam, 15 to 25 percent slopes						
75B Monadnock fine sandy loam, 3 to 8 percent slopes, very stony						
75C Monadnock fine sandy loam, 8 to 15 percent slopes, very stony						
75D Monadnock fine sandy loam, 15 to 35 percent slopes, very stony						
75E Monadnock fine sandy loam, 35 to 60 percent slopes, very stony						
81D Ricker-Londonderry-Stratton complex, 15 to 35 percent slopes, very rocky						

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81E	Ricker-Londonderry-Stratton complex, 35 to 60 percent slopes, very rocky					
82F	Ricker-Londonderry-Rock outcrop complex, 60 to 90 percent slopes					
85C	Dixfield sandy loam, 3 to 15 percent slopes, extremely bouldery					
85D	Dixfield sandy loam, 15 to 35 percent slopes, extremely bouldery					
85E	Dixfield sandy loam, 35 to 60 percent slopes, extremely bouldery					
86C	Cabot silt loam, 3 to 15 percent slopes, extremely bouldery					
87C	Colonel-Cabot complex, 3 to 15 percent slopes, extremely bouldery					
88C	Houghtonville fine sandy loam, 8 to 15 percent slopes, very stony					
92C	Hogback-Rawsonville complex, 8 to 15 percent slopes, very rocky					
92D	Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky					
92E	Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky					
93E	Houghtonville fine sandy loam, 15 to 60 percent slopes, rubbly					
94D	Houghtonville fine sandy loam, 15 to 35 percent slopes, very bouldery					
100	Pits, sand and Pits, gravel					
102	Pits, quarry-Dumps, mine complex					
104B	Urban land-Adams-Nicholville complex, 0 to 8 percent slopes					
104C	Urban land-Adams-Nicholville complex, 8 to 15 percent slopes					
104D	Urban land-Adams-Nicholville complex, 15 to 25 percent slopes					
104E	Urban land-Adams-Nicholville complex, 25 to 60 percent slopes					
105D	Lyman-Rock outcrop complex, 15 to 35 percent slopes, very stony					
105E	Lyman-Rock outcrop complex, 35 to 60 percent slopes, very stony					

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105F	Lyman-Rock outcrop complex, 60 to 90 percent slopes, very stony					
120A	Moosilauke very fine sandy loam, 0 to 3 percent slopes, very stony					
159B	Dixfield sandy loam, 3 to 8 percent slopes					
159C	Dixfield sandy loam, 8 to 15 percent slopes					
159D	Dixfield sandy loam, 15 to 25 percent slopes					
160B	Dixfield sandy loam, 3 to 8 percent slopes, very stony					
160C	Dixfield sandy loam, 8 to 15 percent slopes, very stony					
160D	Dixfield sandy loam, 15 to 35 percent slopes, very stony					
160E	Dixfield sandy loam, 35 to 60 percent slopes, very stony					
163B	Tunbridge-Monadnock complex, 3 to 8 percent slopes, very stony					
163C	Tunbridge-Monadnock complex, 8 to 15 percent slopes, very stony					
163D	Tunbridge-Monadnock complex, 15 to 35 percent slopes, very stony					
163E	Tunbridge-Monadnock complex, 35 to 60 percent slopes, very stony					
175C	Monadnock fine sandy loam, 3 to 15 percent slopes, extremely bouldery					
175D	Monadnock fine sandy loam, 15 to 35 percent slopes, extremely bouldery					
175E	Monadnock fine sandy loam, 35 to 60 percent slopes, extremely bouldery					
207C	Salmon-Adamant complex, 8 to 15 percent slopes, very rocky					
207D	Salmon-Adamant complex, 15 to 25 percent slopes, very rocky					
207E	Salmon-Adamant complex, 25 to 50 percent slopes, very rocky					
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					
214E	Vershire-Lombard					

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complex, 35 to 60 percent slopes, very stony						
250A Irasburg loamy fine sand, 0 to 3 percent slopes						
250B Irasburg loamy fine sand, 3 to 8 percent slopes						
250C Irasburg loamy fine sand, 8 to 15 percent slopes						
250D Irasburg loamy fine sand, 15 to 25 percent slopes						
250E Irasburg loamy fine sand, 25 to 50 percent slopes						
260F Udorthents, 60 to 90 percent slopes, very rubbly						
270A Bucksport peat, 0 to 2 percent slopes						
301C Tunbridge-Dixfield complex, 3 to 15 percent slopes, extremely bouldery						
301D Tunbridge-Dixfield complex, 15 to 35 percent slopes, extremely bouldery						
362B Tunbridge-Dixfield complex, 3 to 8 percent slopes, rocky						
362C Tunbridge-Dixfield complex, 8 to 15 percent slopes, rocky						
362D Tunbridge-Dixfield complex, 15 to 25 percent slopes, rocky						
363B Tunbridge-Dixfield complex, 3 to 8 percent slopes, very stony						
363C Tunbridge-Dixfield complex, 8 to 15 percent slopes, very stony						
363D Tunbridge-Dixfield complex, 15 to 35 percent slopes, very stony						
363E Tunbridge-Dixfield complex, 35 to 60 percent slopes, very stony						
900 Area not Surveyed, Access Denied						
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.