

**Soil Survey Evaluation for Orleans 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)	VT019
B. Acres (from NRI)	
Total land acres in the survey area	445,800
Total census water in the survey area	14,300
Total Surface area	460,100
Approximate acres within MLRA 143 (as of 1996)	96,500
Approximate acres within MLRA 144B (as of 1996)	363,700

Correlation

A. Correlation date	2005
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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	1987
Completed	2001
G. Soil Survey Status	Initial

Digital Soil Survey

A. Date survey digitized	2003 - 2005
B. Digitizing basemap	Orthophoto, VT
C. Digitizing Scale	1:20,000
D. Date of SSURGO Certification	2005

2. Quality of the Existing Soil Survey

Published Soil Survey

The soil survey for Orleans 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)				
2A Peacham muck, 0 to 3 percent slopes, very stony					
3B Vershire-Lombard complex, 3 to 8 percent slopes, rocky					
3C Vershire-Lombard complex, 8 to 15 percent slopes, rocky					
3D Vershire-Lombard complex, 15 to 25 percent slopes, rocky					
5B Nicholville very fine sandy loam, 3 to 8 percent slopes					
5C Nicholville very fine sandy loam, 8 to 15 percent slopes					
5D Nicholville very fine sandy loam, 15 to 25 percent slopes					
6B Vershire-Lombard complex, 3 to 8 percent slopes, very stony					
6C Vershire-Lombard complex, 8 to 15 percent slopes, very stony					
6D Vershire-Lombard complex, 15 to 35 percent slopes, very stony					
8A Roundabout silt loam, 0 to 3 percent slopes					
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					
14A Irasburg loamy fine					

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sand, 0 to 3 percent slopes						
14B Irasburg loamy fine sand, 3 to 8 percent slopes						
14C Irasburg loamy fine sand, 8 to 15 percent slopes						
14D Irasburg loamy fine sand, 15 to 25 percent slopes						
14E Irasburg loamy fine sand, 25 to 50 percent slopes						
15B Dixfield sandy loam, 3 to 8 percent slopes						
15C Dixfield sandy loam, 8 to 15 percent slopes						
15D Dixfield sandy loam, 15 to 25 percent slopes						
16B Dixfield sandy loam, 3 to 8 percent slopes, very stony						
16C Dixfield sandy loam, 8 to 15 percent slopes, very stony						
16D Dixfield sandy loam, 15 to 35 percent slopes, very stony						
16E Dixfield sandy loam, 35 to 60 percent slopes, very stony						
17B Buckland fine sandy loam, 3 to 8 percent slopes						
17C Buckland fine sandy loam, 8 to 15 percent slopes						
17D Buckland fine sandy loam, 15 to 25 percent slopes						
18B Buckland fine sandy loam, 3 to 8 percent slopes, very stony						
18C Buckland fine sandy loam, 8 to 15 percent slopes, very stony						
18D Buckland fine sandy loam, 15 to 35 percent slopes, very stony						
18E Buckland fine sandy loam, 35 to 60 percent slopes, very stony						
21A Nasmith loamy fine sand, 0 to 3 percent slopes						
25 Pits, sand and Pits, gravel						
26A Adams loamy fine sand, 0 to 3 percent slopes						
26B Adams loamy fine sand, 3 to 8 percent slopes						
26C Adams loamy fine sand, 8 to 15 percent slopes						
26D Adams loamy fine sand, 15 to 25 percent slopes						
26E Adams loamy fine sand, 25 to 60 percent slopes						
27A Croghan loamy fine sand, 0 to 3 percent slopes						
27B Croghan loamy fine sand, 3 to 8 percent slopes						
31A Sheepscoot gravelly fine sandy loam, 0 to 3 percent						

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slopes						
31B Sheepscot gravelly fine sandy loam, 3 to 8 percent slopes						
33A Moosilauke very fine sandy loam, 0 to 3 percent slopes						
38A Colton-Duxbury complex, 0 to 3 percent slopes						
38B Colton-Duxbury complex, 3 to 8 percent slopes						
38C Colton-Duxbury complex, 8 to 15 percent slopes						
38D Colton-Duxbury complex, 15 to 25 percent slopes						
38E Colton-Duxbury complex, 25 to 60 percent slopes						
47A Cabot silt loam, 0 to 3 percent slopes						
47B Cabot silt loam, 3 to 8 percent slopes						
47C Cabot silt loam, 8 to 15 percent slopes						
50A Scantic silt loam, 0 to 3 percent slopes						
54B Salmon very fine sandy loam, 3 to 8 percent slopes						
54C Salmon very fine sandy loam, 8 to 15 percent slopes						
54D Salmon very fine sandy loam, 15 to 25 percent slopes						
54E Salmon very fine sandy loam, 25 to 50 percent slopes						
58B Lamoine silt loam, 3 to 8 percent slopes						
58C Lamoine silt loam, 8 to 15 percent slopes						
58D Lamoine silt loam, 15 to 25 percent slopes						
58E Lamoine silt loam, 25 to 50 percent slopes						
59B Cabot silt loam, 0 to 8 percent slopes, very stony						
59C Cabot silt loam, 8 to 15 percent slopes, very stony						
60A Rumney fine sandy loam, 0 to 2 percent slopes, frequently flooded						
70A Bucksport muck, 0 to 2 percent slopes, ponded						
72A Charles silt loam, 0 to 2 percent slopes, frequently flooded						
76A Podunk fine sandy loam, 0 to 2 percent slopes, occasionally flooded						
79A Medomak mucky silt loam, 0 to 2 percent slopes,						

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frequently flooded						
83A Wonsqueak and Pondicherry mucks, 0 to 2 percent slopes						
84A Bucksport muck, 0 to 2 percent slopes						
88D Lyman-Rock outcrop complex, 15 to 35 percent slopes, very stony						
88F Lyman-Rock outcrop complex, 60 to 90 percent slopes, very stony						
92B Monadnock fine sandy loam, 3 to 8 percent slopes						
92C Monadnock fine sandy loam, 8 to 15 percent slopes						
92D Monadnock fine sandy loam, 15 to 25 percent slopes						
93B Monadnock fine sandy loam, 3 to 8 percent slopes, very stony						
93C Monadnock fine sandy loam, 8 to 15 percent slopes, very stony						
93D Monadnock fine sandy loam, 15 to 35 percent slopes, very stony						
93E Monadnock fine sandy loam, 35 to 60 percent slopes, very stony						
94C Vershire-Glover complex, 8 to 15 percent slopes, very rocky						
94D Vershire-Glover complex, 15 to 35 percent slopes, very rocky						
94E Vershire-Glover complex, 35 to 60 percent slopes, very rocky						
96B Dummerston very fine sandy loam, 3 to 8 percent slopes						
96C Dummerston very fine sandy loam, 8 to 15 percent slopes						
96D Dummerston very fine sandy loam, 15 to 25 percent slopes						
97B Dummerston very fine sandy loam, 3 to 8 percent slopes, very stony						
97C Dummerston very fine sandy loam, 8 to 15 percent slopes, very stony						
97D Dummerston very fine sandy loam, 15 to 35 percent slopes, very stony						
97E Dummerston very fine sandy loam, 35 to 60 percent slopes, very stony						

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100B	Tunbridge-Dixfield complex, 3 to 8 percent slopes, rocky					
100C	Tunbridge-Dixfield complex, 8 to 15 percent slopes, rocky					
100D	Tunbridge-Dixfield complex, 15 to 25 percent slopes, rocky					
101B	Tunbridge-Dixfield complex, 3 to 8 percent slopes, very stony					
101C	Tunbridge-Dixfield complex, 8 to 15 percent slopes, very stony					
101D	Tunbridge-Dixfield complex, 15 to 35 percent slopes, very stony					
101E	Tunbridge-Dixfield complex, 35 to 60 percent slopes, very stony					
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					
105	Dumps, landfill					
106	Pits, quarry-Dumps, mine complex					
112D	Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky					
112E	Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky					
210E	Ricker-Londonderry-Stratton complex, 35 to 60 percent slopes, very rocky					
211F	Ricker-Londonderry-Rock outcrop complex, 60 to 90 percent slopes					
247B	Colonel-Cabot complex, 3 to 8 percent slopes					
247C	Colonel-Cabot complex, 8 to 15 percent slopes					
247D	Colonel-Cabot complex, 15 to 25 percent slopes					
259B	Colonel-Cabot complex, 3 to 8 percent slopes, very stony					
259C	Colonel-Cabot complex, 8 to 15 percent slopes, very stony					
259D	Colonel-Cabot complex, 15 to 35 percent					

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slopes, very stony						
260F Udorthents, 60 to 90 percent slopes, very rubbly						
301C Tunbridge-Dixfield complex, 3 to 15 percent slopes, extremely bouldery						
301D Tunbridge-Dixfield complex, 15 to 35 percent slopes, extremely bouldery						
301E Tunbridge-Dixfield complex, 35 to 60 percent slopes, extremely bouldery						
316C Dixfield sandy loam, 3 to 15 percent slopes, extremely bouldery						
316D Dixfield sandy loam, 15 to 35 percent slopes, extremely bouldery						
316E Dixfield sandy loam, 35 to 60 percent slopes, extremely bouldery						
359C Cabot silt loam, 3 to 15 percent slopes, extremely bouldery						
393D Monadnock fine sandy loam, 15 to 35 percent slopes, extremely bouldery						
393E Monadnock fine sandy loam, 35 to 60 percent slopes, extremely bouldery						
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.