Soil Survey Evaluation for Washington 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)	VT023
B. Acres (from NRI)	
Total land acres in the survey area	441,600
Total census water in the survey area	3,200
Total Surface area	444,800
Approximate acres within **MLRA 143** (as of 1996)	253,600
Approximate acres within **MLRA 144B** (as of 1996)	191,200
Approximate acres within the Green Mountain National forest	6,400

Correlation

A. Correlation date	1996
B. Correlation Amendment Dates	
First	1997
Second	2002

Initial Soil Survey

A. Publication date	2004 (on CD)
B. Publication scale	1:24,000
C. Photobase	Orthophotos, NRCS
D. Mapping order	2
E. Field Mapping scale	1:18,000
F. Field Mapping	
Started	1975
Completed	1990
G. Soil Survey Status	Published

Digital Soil Survey

A. Date survey digitized	1995-1996
B. Digitizing base map	Orthophotos, VT
C. Digitizing Scale	1:20,000
D. Date of SSURGO Certification	1996

2. Quality of the Existing Soil Survey

Published Soil Survey

This is a current soil survey. The mapping quality meets current standards.

Soil Maps

Officially certified soil maps derived from SSURGO data are available on Web Soil Survey and from the Soil Data Mart.

Taxonomic and Map Unit Names and Descriptions

Taxonomic and map unit descriptions are available on a "Soil Survey of Washington County, Vermont" CD produced by the national NRCS office in 2004. Soil maps are not on this CD.

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

MLRA 143

143-ML. Markey and Lupton soils are not currently mapped in this part of Region R. Pondicherry and Bucksport series are better choices for these soil conditions.

143-SL. Out of date slope classes were used for this map unit. They have poor interpretative value.

143-SPR. This Spodosol series classification needs to be updated.

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

143-Z. This is the only map unit of this series in Vermont.

MLRA 144B

144B-ML. Markey and Lupton soils are not currently mapped in this part of Region R. Pondicherry and Bucksport series are better choices for these soil conditions.

144B-SL. Out of date slope classes were used for this map unit. They have poor interpretative value.

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

144B-Z. This is the only map unit of this series in Vermont.

Map Unit Symbol and Name		Map Unit Issues by MLRA-Concern Number (see above)					
2A Ondawa fine sandy loam, 0 to 3 percent slopes							
3A Rumney fine sandy loam, 0 to 2 percent slopes							
4A Sunny silt loam, 0 to 2 percent slopes		143-Z	144B-Z				
9A Rifle muck, 0 to 2 percent slopes, ponded		143-Z	144B-Z				

14B Colonel fine sandy loam, 3 to 8 percent slopes							
14C Colonel fine sandy loam, 8 to 15 percent slopes							
14D Colonel fine sandy loam, 15 to 25 percent slopes							
17A Cabot silt loam, 0 to 3 percent slopes							
17B Cabot silt loam, 3 to 8 percent slopes							
17C Cabot silt loam, 8 to 15 percent slopes							
18B Cabot silt loam, 0 to 8 percent slopes, very stony							
18C Cabot silt loam, 8 to 15 percent slopes, very stony							
19B Colonel fine sandy loam, 3 to 8 percent slopes, very stony							
19C Colonel fine sandy loam, 8 to 15 percent slopes, very stony							
19D Colonel fine sandy loam, 15 to 35 percent slopes, very stony							
20A Peacham muck, 0 to 5 percent slopes		143-SL	144B-SL				
21A Sunday fine sand, 0 to 3 percent slopes		143-Z	144B-Z				
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							
33A Machias fine sandy loam, 0 to 3 percent slopes		143-Y	144B-Y				
33B Machias fine sandy loam, 3 to 8 percent slopes		143-Y	144B-Y				

33C Machias fine sandy loam, 8 to 15 percent slopes		143-Y	144B-Y				
37B Stetson loam, 3 to 8 percent slopes							
37C Stetson loam, 8 to 15 percent slopes							
37D Stetson loam, 15 to 25 percent slopes							
37E Stetson loam, 25 to 60 percent slopes							
39A Colton gravelly loamy sand, 0 to 3 percent slopes							
39B Colton gravelly loamy sand, 3 to 8 percent slopes							
39C Colton gravelly loamy sand, 8 to 15 percent slopes							
39D Colton gravelly loamy sand, 15 to 25 percent slopes							
39E Colton gravelly loamy sand, 25 to 60 percent slopes							
41D Buxton silt loam, 15 to 25 percent slopes							
41E Buxton silt loam, 25 to 45 percent slopes							
43B Salmon very fine sandy loam, 3 to 8 percent slopes							
43C Salmon very fine sandy loam, 8 to 15 percent slopes							
43D Salmon very fine sandy loam, 15 to 25 percent slopes							
43E Salmon very fine sandy loam, 25 to 50 percent slopes							
44B Lamoine silt loam, 3 to 8 percent slopes							
44C Lamoine silt loam, 8 to 15 percent slopes							
45A Scantic silt loam, 0 to 3 percent slopes							

55B Nicholville silt loam, 3 to 8 percent slopes							
58A Grange silt loam, 0 to 3 percent slopes							
59A Waitsfield silt loam, 0 to 3 percent slopes		143-Z	144B-Z				
60A Weider very fine sandy loam, 0 to 3 percent slopes		143-Z	144B-Z				
62B Berkshire fine sandy loam, 3 to 8 percent slopes							
62C Berkshire fine sandy loam, 8 to 15 percent slopes							
62D Berkshire fine sandy loam, 15 to 25 percent slopes							
63B Berkshire fine sandy loam, 3 to 8 percent slopes, very stony							
63C Berkshire fine sandy loam, 8 to 15 percent slopes, very stony							
63D Berkshire fine sandy loam, 15 to 35 percent slopes, very stony							
63E Berkshire fine sandy loam, 35 to 60 percent slopes, very stony							
64C Salmon-Adamant complex, 8 to 15 percent slopes, very rocky		143-Y	144B-Y				
64D Salmon-Adamant complex, 15 to 25 percent slopes, very rocky		143-Y	144B-Y				
64E Salmon-Adamant complex, 25 to 50 percent slopes, very rocky		143-Y	144B-Y				
66B Vershire-Dummerston complex, 3 to 8 percent slopes, rocky							
66C Vershire-Dummerston complex, 8 to 15 percent slopes, rocky							

66D Vershire-Dummerston complex, 15 to 25 percent slopes, rocky							
66E Vershire-Dummerston complex, 25 to 60 percent slopes, rocky							
67C Glover-Vershire complex, 8 to 15 percent slopes, very rocky							
67D Glover-Vershire complex, 15 to 35 percent slopes, very rocky							
67E Glover-Vershire complex, 35 to 60 percent slopes, very rocky							
68D Stratton-Glebe complex, 15 to 35 percent slopes, very rocky							
68E Stratton-Glebe complex, 35 to 60 percent slopes, very rocky							
69D Sisk-Glebe complex, 15 to 35 percent slopes, very bouldery		143-Y					
69E Sisk-Glebe complex, 35 to 60 percent slopes, very bouldery		143-Y					
71C Tunbridge-Lyman complex, 3 to 15 percent slopes, rocky							
72B Tunbridge-Lyman complex, 3 to 8 percent slopes, very rocky							
72C Tunbridge-Lyman complex, 8 to 15 percent slopes, very rocky							
72D Tunbridge-Lyman complex, 15 to 35 percent slopes, very rocky							
72E Tunbridge-Lyman complex, 35 to 60 percent slopes, very rocky							

76C Berkshire fine sandy loam, 8 to 15 percent slopes, very bouldery							
76D Berkshire fine sandy loam, 15 to 35 percent slopes, very bouldery							
76E Berkshire fine sandy loam, 35 to 60 percent slopes, very bouldery							
77B Peru gravelly fine sandy loam, 3 to 8 percent slopes							
77C Peru gravelly fine sandy loam, 8 to 15 percent slopes							
77D Peru gravelly fine sandy loam, 15 to 25 percent slopes							
78C Peru gravelly fine sandy loam, 8 to 15 percent slopes, very stony							
78D Peru gravelly fine sandy loam, 15 to 35 percent slopes, very stony							
78E Peru gravelly fine sandy loam, 35 to 60 percent slopes, very stony							
79A Markey and Wonsqueak mucks, 0 to 2 percent slopes, ponded		143-ML	144B-ML				
82A Peacham muck, 0 to 5 percent slopes, extremely bouldery		144B-SL	143-SL				
85E Ricker-Londonderry-Stratton complex, 35 to 60 percent slopes, very rocky							
86F Ricker-Londonderry-Rock outcrop complex, 35 to 70 percent slopes							
88D Houghtonville fine sandy loam, 15 to 35 percent slopes, very bouldery							

89E Houghtonville fine sandy loam, 15 to 60 percent slopes, rubbly							
90B Dummerston fine sandy loam, 3 to 8 percent slopes							
90C Dummerston fine sandy loam, 8 to 15 percent slopes							
90D Dummerston fine sandy loam, 15 to 25 percent slopes							
91C Dummerston fine sandy loam, 8 to 15 percent slopes, very stony							
91D Dummerston fine sandy loam, 15 to 35 percent slopes, very stony							
92B Buckland silt loam, 3 to 8 percent slopes							
92C Buckland silt loam, 8 to 15 percent slopes							
92D Buckland silt loam, 15 to 25 percent slopes							
93B Buckland silt loam, 3 to 8 percent slopes, very stony							
93C Buckland silt loam, 8 to 15 percent slopes, very stony							
93D Buckland silt loam, 15 to 35 percent slopes, very stony							
96D Peru gravelly fine sandy loam, 15 to 35 percent slopes, extremely bouldery							
98B Cabot silt loam, 3 to 8 percent slopes, extremely bouldery							
98C Cabot silt loam, 8 to 15 percent slopes, extremely bouldery							

99C Colonel fine sandy loam, 3 to 15 percent slopes, extremely bouldery							
99D Colonel fine sandy loam, 15 to 35 percent slopes, extremely bouldery							
100 Pits, Sand, and Pits, gravel							
102 Pits, quarry-Dumps, mine complex							
103 Udorthents, loamy							
104 Urban land-Udipsamments complex, occasionally flooded							
116B Mundal fine sandy loam, 3 to 8 percent slopes, very stony							
116C Mundal fine sandy loam, 8 to 15 percent slopes, very stony							
116D Mundal fine sandy loam, 15 to 35 percent slopes, very stony							
151F Hogback-Rock outcrop-Rawsonville complex, 35 to 70 percent slopes		143-SPR					
162D Houghtonville-Rawsonville complex, 15 to 35 percent slopes, very bouldery		143-SPR					
162E Houghtonville-Rawsonville complex, 35 to 60 percent slopes, very bouldery		143-SPR					
163C Houghtonville fine sandy loam, 8 to 15 percent slopes, very stony							
163D Houghtonville fine sandy loam, 15 to 35 percent slopes, very stony							
163E Houghtonville fine sandy loam, 35 to 60 percent slopes, very stony							

168C Hogback-Rawsonville complex, 8 to 15 percent slopes, very rocky		143-SPR					
168D Hogback-Rawsonville complex, 15 to 35 percent slopes, very rocky		143-SPR					
168E Hogback-Rawsonville complex, 35 to 60 percent slopes, very rocky		143-SPR					
172F Taconic-Hubbardton-Rock outcrop complex, 60 to 80 percent slopes							
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.