

Soil Fact Sheet

10D: Glebe-Stratton-Londonderry complex, 15 to 25 percent slopes, very rocky

These soils formed in loamy glacial till on mountains. GLEBE SOILS are moderately deep to bedrock and well drained. Permeability is moderately rapid. STRATTON SOILS are shallow to bedrock, well drained and high in rock fragments. Permeability is moderate or moderately rapid. LONDONDERRY SOILS are very shallow to bedrock and well drained. Permeability is moderate.

This map unit is poorly suited to cultivated crops, hay and pasture because of slope, stones and boulders on the surface, rock outcrops and the short growing season.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 11
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IId.- This unit is moderately suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas are the primary concerns. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion control plan shall be prepared for construction on sites over 20 percent.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)			
							Kw	Kf	T
Glebe	0-3	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	3-11	FSL	1-7	3.6 - 5.5	2-6	8.0-20	.43	.55	
	11-28	GR-FSL	1-12	3.6 - 5.5	2-6	5.0-20	.64	.64	
	28-32	UWB	---	---	0.01-20	---	---	---	
Stratton	0-1	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	1-7	CN-SIL	1-7	3.6 - 5.5	0.6-6	8.0-20	.43	.49	
	7-15	CNV-SIL	1-12	3.6 - 5.5	0.6-6	5.0-20	.64	.64	
	15-20	CNV-SIL	1-10	3.6 - 5.5	0.6-6	5.0-20	.49	.64	
	20-24	UWB	---	---	0.01-20	---	---	---	
Londonderry	0-1	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	1-4	GR-SIL	2-7	3.6 - 5.5	0.6-2	2.0-8.0	.43	.43	
	4-6	GR-FSL	2-7	3.6 - 5.5	0.6-2	0.5-2.0	.43	.43	
	6-10	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Glebe	C		None		No	20-40	7 s
Stratton	D		None		No	10-20	7 s
Londonderry	D		None		No	2-10	6 c

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
GLEBE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Severe:	depth to rock		
STRATTON	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		
LONDONDERRY	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
GLEBE	Moderate	Severe	Moderate	GLEBE	Red spruce	50

Soil Fact Sheet - Continued

STRATTON	Moderate	Severe	Severe		Yellow birch	
LONDONDERRY	Moderate	Severe	Severe		American beech	
				LONDONDERRY	Red spruce	30
				STRATTON	Red spruce	35

10E: Glebe-Stratton-Londonderry complex, 25 to 60 percent slopes, very rocky

These soils formed in loamy glacial till on mountains. GLEBE SOILS are moderately deep to bedrock and well drained. Permeability is moderately rapid. STRATTON SOILS are shallow to bedrock, well drained and high in rock fragments. Permeability is moderate or moderately rapid. LONDONDERRY SOILS are very shallow to bedrock and well drained. Permeability is moderate.

This map unit is poorly suited to cultivated crops, hay and pasture because of slope, stones and boulders on the surface, rock outcrops and the short growing season.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 11
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IVb.- This unit is generally not suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock. Locating the septic system in a more suitable unit is recommended.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)			
							Kw	Kf	T
Glebe	0-3	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	3-11	FSL	1-7	3.6 - 5.5	2-6	8.0-20	.43	.55	
	11-28	GR-FSL	1-12	3.6 - 5.5	2-6	5.0-20	.64	.64	
	28-32	UWB	---	---	0.01-20	---	---	---	
Stratton	0-1	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	1-7	CN-SIL	1-7	3.6 - 5.5	0.6-6	8.0-20	.43	.49	
	7-15	CNV-SIL	1-12	3.6 - 5.5	0.6-6	5.0-20	.64	.64	
	15-20	CNV-SIL	1-10	3.6 - 5.5	0.6-6	5.0-20	.49	.64	
	20-24	UWB	---	---	0.01-20	---	---	---	
Londonderry	0-1	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	1-4	GR-SIL	2-7	3.6 - 5.5	0.6-2	2.0-8.0	.43	.43	
	4-6	GR-FSL	2-7	3.6 - 5.5	0.6-2	0.5-2.0	.43	.43	
	6-10	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Glebe	C		None		No	20-40	7 s
Stratton	D		None		No	10-20	7 s
Londonderry	D		None		No	2-10	7 e

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
GLEBE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Severe:	depth to rock		
STRATTON	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		
LONDONDERRY	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
GLEBE	Severe	Severe	Moderate	GLEBE	Red spruce	50
STRATTON	Severe	Severe	Severe		Yellow birch	
LONDONDERRY	Severe	Severe	Severe		American beech	

LONDONDERRY	Red spruce	30
STRATTON	Red spruce	35

112D: Rawsonville-Hogback complex, 15 to 25 percent slopes, very rocky

These soils formed in loamy glacial till on uplands. RAWSONVILLE SOILS are moderately deep to bedrock and well drained. Permeability is moderate or moderately rapid. HOGBACK SOILS are shallow to bedrock and well drained. Permeability is moderately rapid.

This map unit is poorly suited to cultivated crops, hay and pasture because of the stones and boulders on the surface, rock outcrops and slope.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 10
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IId.- This unit is moderately suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas are the primary concerns. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion control plan shall be prepared for construction on sites over 20 percent.

<u>PHYSICAL and CHEMICAL PROPERTIES</u>							<u>EROSION FACTORS</u>		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)			
							Kw	Kf	T
Rawsonville	0-2	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	2-3	FSL	3-10	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	3-20	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-8.0	.64	.64	
	20-25	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-6.0	.28	.32	
	25-29	UWB	---	---	0.01-20	---	---	---	
Hogback	0-2	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	2-6	FSL	3-12	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	6-17	GR-FSL	3-12	3.6 - 5.5	0.6-6	4.0-8.0	.64	.64	
	17-21	UWB	---	---	0.01-20	---	---	---	

<u>WATER FEATURES</u>				<u>SOIL FEATURES</u>			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Rawsonville	C		None		No	20-40	6 s
Hogback	D		None		No	10-20	6 s

<u>LAND USE LIMITATIONS</u>				<u>AGRICULTURAL YIELD DATA</u>	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
RAWSONVILLE	Pond reservoir area	Severe:	seepage	Pasture	2.7 AUM
	Dwellings with basements	Severe:	depth to rock		
HOGBACK	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		

<u>WOODLAND MANAGEMENT</u>						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
RAWSONVILLE	Moderate	Severe	Moderate	HOGBACK	Sugar maple	50
HOGBACK	Severe	Severe	Severe		White spruce	55
					Balsam fir	48
				RAWSONVILLE	Sugar maple	60
					American beech	64
					White ash	67

112E: Rawsonville-Hogback complex, 25 to 60 percent slopes, very rocky

These soils formed in loamy glacial till on uplands. RAWSONVILLE SOILS are moderately deep to bedrock and well drained. Permeability is moderate or moderately rapid. HOGBACK SOILS are shallow to bedrock and well drained. Permeability is moderately rapid.

This map unit is poorly suited to cultivated crops, hay or pasture because of slope, the stones and boulders on the surface and the rock outcrops.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 11
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IVb.- This unit is generally not suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock. Locating the septic system in a more suitable unit is recommended.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)			
							Kw	Kf	T
Rawsonville	0-2	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	2-3	FSL	3-10	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	3-20	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-8.0	.64	.64	
	20-25	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-6.0	.28	.32	
	25-29	UWB	---	---	0.01-20	---	---	---	
Hogback	0-2	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	2-6	FSL	3-12	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	6-17	GR-FSL	3-12	3.6 - 5.5	0.6-6	4.0-8.0	.64	.64	
	17-21	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Rawsonville	C		None		No	20-40	7 s
Hogback	D		None		No	10-20	7 s

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
RAWSONVILLE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Severe:	depth to rock		
HOGBACK	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
RAWSONVILLE	Severe	Severe	Moderate	HOGBACK	Sugar maple	50
HOGBACK	Severe	Severe	Severe		White spruce	55
				RAWSONVILLE	Balsam fir	48
					Sugar maple	60
					American beech	64
					White ash	67

702E: Rawsonville-Hogback association, very hilly, very rocky

These soils formed in loamy glacial till on uplands. RAWSONVILLE SOILS are moderately deep to bedrock and well drained. Permeability is moderate or moderately rapid. HOGBACK SOILS are shallow to bedrock and well drained. Permeability is moderately rapid.

This map unit is poorly suited to cultivated crops, hay and pasture because of the stones and boulders on the surface, rock outcrops and slope.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 11
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IVb.- This unit is generally not suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock. Locating the septic system in a more suitable unit is recommended.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)			
							Kw	Kf	T
Rawsonville	0-2	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	2-3	FSL	3-10	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	3-20	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-8.0	.64	.64	
	20-25	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-6.0	.28	.32	
	25-29	UWB	---	---	0.01-20	---	---	---	
Hogback	0-2	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	2-6	FSL	3-12	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	6-17	GR-FSL	3-12	3.6 - 5.5	0.6-6	4.0-8.0	.64	.64	
	17-21	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Rawsonville	C		None		No	20-40	7 s
Hogback	D		None		No	10-20	7 s

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
RAWSONVILLE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Severe:	depth to rock		
HOGBACK	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
RAWSONVILLE	Severe	Severe	Moderate	HOGBACK	Sugar maple	50
HOGBACK	Severe	Severe	Severe		White spruce	55
				RAWSONVILLE	Balsam fir	48
					Sugar maple	60
					American beech	64
					White ash	67

703C: Mundal-Houghtonville association, rolling, very stony

Mundal soils formed in loamy, compact glacial till and Houghtonville soils formed in loamy glacial till on uplands. MUNDAL SOILS are very deep to bedrock, moderately deep to dense basal till and moderately well drained. These soils have a perched water table at depths of 1.5 to 2.5 feet below the surface from Fall through late Spring. Permeability is moderate in the solum and moderately slow or slow in the substratum. HOUGHTONVILLE SOILS are very deep to bedrock and well drained. Permeability is moderate or moderately rapid.

This map unit is poorly suited to cultivated crops, hay and pasture because of the stones and boulders on the surface and the seasonal high water table..

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 10
--	-----------------------------	---

Vermont Residential On-site Waste Disposal Group and Subgroup:

IIh.- This unit is moderately suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. The depth to the seasonal high water table is the primary concern. Mound system construction and other site modifications are often necessary. On sloping sites, curtain drains can help lower the water table to an acceptable level. In some cases, a detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)	Kw	Kf	T
	3-7	FSL	3-10	3.6 - 6.0	0.6-2	4.0-8.0	.43	.49	
	7-26	FSL, GR-FSL	3-10	3.6 - 6.0	0.6-2	2.0-6.0	.64	.64	
	26-68	GR-FSL	3-10	5.1 - 6.5	0.06-0.6	0.5-2.0	.37	.43	
Houghtonville	0-2	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	3
	2-4	FSL	3-10	3.6 - 6.0	0.6-6	4.0-8.0	.43	.49	
	4-37	GR-FSL	3-10	3.6 - 6.0	0.6-6	2.0-6.0	.64	.64	
	37-67	FSL	3-10	3.6 - 6.0	0.6-6	0.5-2.0	.28	.32	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Mundal	C	1.5-2.5	None		No	---	6 s
Houghtonville	B		None		No	---	6 s

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
MUNDAL	Pond reservoir area	Severe:	slope	Pasture	3.1 AUM
	Dwellings with basements	Severe:	wetness		
HOUGHTONVILLE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Moderate:	slope		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
MUNDAL	Moderate	Moderate	Moderate	HOUGHTONVILLE	Sugar maple	60
HOUGHTONVILLE	Moderate	Moderate	Slight		Paper birch	66
					American beech	65
				MUNDAL	Sugar maple	65
					Eastern white pine	67
					White ash	75

715D: Houghtonville-Rawsonville association, hilly, rocky

These soils formed in loamy glacial till on uplands. HOUGHTONVILLE SOILS are very deep to bedrock and well drained. Permeability is moderate or moderately rapid. RAWSONVILLE SOILS are moderately deep to bedrock and well drained. Permeability is moderate or moderately rapid.

This map unit is poorly suited to cultivated crops, hay and pasture because of the stones and boulders on the surface, rock outcrops and slope.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 10
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IId.- This unit is moderately suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. The depth to bedrock and slopes greater than 20 percent in some areas are the primary concerns. A significant percentage of this map unit has sufficient soil depth over bedrock to accept a range of designs. On-site investigations can help avoid areas with limited depth to bedrock. There may be less-sloping areas within the unit that are suitable for siting a septic system, or, if feasible, cut and fill site modifications may produce an acceptable area within the unit. An erosion control plan shall be prepared for construction on sites over 20 percent.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)	Kw	Kf	T
	2-4	FSL	3-10	3.6 - 6.0	0.6-6	4.0-8.0	.43	.49	
	4-37	GR-FSL	3-10	3.6 - 6.0	0.6-6	2.0-6.0	.64	.64	
	37-67	FSL	3-10	3.6 - 6.0	0.6-6	0.5-2.0	.28	.32	
Rawsonville	0-2	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	2-3	FSL	3-10	3.6 - 5.5	0.6-6	4.0-8.0	.43	.49	
	3-20	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-8.0	.64	.64	
	20-25	GR-FSL	3-10	3.6 - 5.5	0.6-6	2.0-6.0	.28	.32	
	25-29	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Houghtonville	B		None		No	---	6 s
Rawsonville	C		None		No	20-40	6 s

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
HOUGHTONVILLE	Pond reservoir area	Severe:	seepage	Pasture	3.6 AUM
	Dwellings with basements	Severe:	slope		
RAWSONVILLE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Severe:	depth to rock		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
HOUGHTONVILLE	Moderate	Severe	Slight	HOUGHTONVILLE	Sugar maple	60
RAWSONVILLE	Moderate	Severe	Moderate		Paper birch	66
					American beech	65
				RAWSONVILLE	Sugar maple	60
					American beech	64
					White ash	67

903C: Mundal-Wilmington association, rolling, very stony

These soils formed in loamy, compact glacial till on uplands. MUNDAL SOILS are very deep to bedrock, moderately deep to dense basal till and moderately well drained. These soils have a perched water table at depths of 1.5 to 2.5 feet below the surface from Fall through late Spring. Permeability is moderate in the solum and moderately slow or slow in the substratum. WILMINGTON SOILS are very deep to bedrock, shallow and moderately deep to dense basal till and poorly drained. These soils have a perched water table at depths of 0 to 1.5 feet below the surface from Fall through late Spring. Permeability is moderate in the solum and slow or very slow in the substratum.

This map unit is poorly suited to cultivated crops, hay and pasture because of the stones and boulders on the surface and the seasonal high water table..

Important Farmland Classification: NPSL	Potentially highly erodible land	Vermont Agricultural Value Group: 10
---	----------------------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IIIId.- This unit is marginally suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. The depth to the seasonal high water table is the major limitation. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)	Kw	Kf	T
	3-7	FSL	3-10	3.6 - 6.0	0.6-2	4.0-8.0	.43	.49	
	7-26	FSL, GR-FSL	3-10	3.6 - 6.0	0.6-2	2.0-6.0	.64	.64	
	26-68	GR-FSL	3-10	5.1 - 6.5	0.06-0.6	0.5-2.0	.37	.43	
Wilmington	0-2	MPM	---	3.6 - 5.5	2-6	25-100	---	---	3
	2-6	FSL	3-10	3.6 - 6.0	0.6-2	4.0-8.0	.43	.43	
	6-26	FSL	3-10	3.6 - 6.0	0.6-2	2.0-8.0	.64	.64	
	26-67	GR-FSL	3-10	5.1 - 6.5	0.06-0.6	0.0-2.0	.37	.43	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Mundal	C	1.5-2.5	None		No	---	6 s
Wilmington	D	0.0-1.5	None		Yes	---	6 s

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
MUNDAL	Pond reservoir area	Severe:	slope	Pasture	3.1 AUM
	Dwellings with basements	Severe:	wetness		
WILMINGTON	Pond reservoir area	Moderate:	seepage		
	Dwellings with basements	Severe:	wetness		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
MUNDAL	Moderate	Moderate	Moderate	MUNDAL	Sugar maple	65
WILMINGTON	Severe	Slight	Moderate		Eastern white pine	67
					White ash	75
					Red maple	40
				WILMINGTON	Red maple	40
					Eastern hemlock	60
					Red spruce	45

913E: Glebe-Stratton association, very hilly, very rocky

These soils formed in loamy glacial till on mountains. GLEBE SOILS are moderately deep to deep to bedrock and well drained. Permeability is moderately rapid. STRATTON SOILS are shallow to bedrock, well drained and high in rock fragments. Permeability is moderate or moderately rapid.

This map unit is poorly suited to cultivated crops, hay and pasture because of slope, stones and boulders on the surface, rock outcrops and the short growing season.

Important Farmland Classification: NPSL	Highly erodible land	Vermont Agricultural Value Group: 11
---	----------------------	--------------------------------------

Vermont Residential On-site Waste Disposal Group and Subgroup:

IVb.- This unit is generally not suited as a site for on-site sewage disposal, based on a review of criteria set forth in the Vermont 2002 Environmental Protection Rules. Steep slopes in association with the depth to bedrock is the limiting condition. Cut and fill site modifications that reduce the slope gradient are difficult to achieve due to the depth to bedrock. Locating the septic system in a more suitable unit is recommended.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil Name	Depth (In)	Typical Texture	Clay (Pct)	Soil Reaction (pH)	Permeability (In/Hr)	Organic Matter (Pct)			
							Kw	Kf	T
Glebe	0-3	MPM, SPM	---	3.6 - 5.5	2-6	25-100	---	---	2
	3-11	FSL	1-7	3.6 - 5.5	2-6	8.0-20	.43	.55	
	11-28	GR-FSL	1-12	3.6 - 5.5	2-6	5.0-20	.64	.64	
	28-32	UWB	---	---	0.01-20	---	---	---	
Stratton	0-1	SPM	---	3.6 - 5.5	2-6	25-100	---	---	1
	1-7	CN-SIL	1-7	3.6 - 5.5	0.6-6	8.0-20	.43	.49	
	7-15	CNV-SIL	1-12	3.6 - 5.5	0.6-6	8.0-20	.64	.64	
	15-20	CNV-SIL	1-10	3.6 - 5.5	0.6-6	8.0-20	.49	.64	
	20-24	UWB	---	---	0.01-20	---	---	---	

WATER FEATURES				SOIL FEATURES			
Soil Name	Hydrologic Group	Depth to Seasonal High Water Table (Feet)	Flooding		Hydric Soil?	Depth to Bedrock (range in inches)	Land Capability Class and Subclass
			Frequency	Duration			
Glebe	C		None		No	20-40	7 s
Stratton	D		None		No	10-20	7 s

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil Name	Land Use	Rating	Reason **	Crop Name	Yield / acre
GLEBE	Pond reservoir area	Severe:	seepage		
	Dwellings with basements	Severe:	depth to rock		
STRATTON	Pond reservoir area	Severe:	depth to rock		
	Dwellings with basements	Severe:	depth to rock		

WOODLAND MANAGEMENT						
Soil Name	Equipment Limitation	Erosion Hazard	Windthrow Hazard	Soil Name	Common Trees	Site Index
GLEBE	Severe	Severe	Moderate	GLEBE	Red spruce	50
STRATTON	Severe	Severe	Severe		Balsam fir	
				STRATTON	Red maple	35
					Red spruce	
					Balsam fir	
					Red maple	