

Soil type <i>Saco sil, gravelly substratum</i>		Date <i>8-13-76</i>	Stop No.
Classification		Area	
Location <i>TOWN of Richmond, 200' N. of tennis court located 700' NW of Richmond</i>		Elev. <i>500'</i>	
N. veg. (or crop) <i>Red Maple, white pine, & pitch pine</i>		Climate <i>(shad at jct. of Rt. 138 + 110)</i>	
Parent material			
Physiography <i>low terrace</i>			
Relief	Drainage <i>very poorly</i>	Salt or alkali	
Elevation	Gr. water <i>30"</i>	Stoniness <i>none</i>	
Slope <i>0</i>	Moisture		
Aspect <i>—</i>	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S. *	
Permeability <i>WHITE PINE</i>			
Additional notes			
<i>Described by: Rector Sprinkle, Saritelli, Gagnon, Mathews, Atwood +</i>			
<i>Pockets of 1/4" - 1/2" diam. iron concretions (5 yr 1/2) [Stuart</i>			
<i>Samples 5+6</i>			

Soil type

Saco

File No.

8

Horizon	inches Depth (cm)	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			C.F. Dry	Moist	Roots Wet		
A1	0-10 (0-21)		10YR 7/1	sil	massive	0%	fi	few fine	5.0	as
C1g	10-12 (21-26)		10YR 4/1	sil		0	fi		4.8	as
C2g	12-16 (26-40)		10YR 3/1	sil		0	fi		5.0	as
C3g	15-30 (40-75)	5 sampled	10YR 4/1	sil	v	0	fi	v	5.0	as
C4g	30-34		10YR 2 1/2	sil	v	0	fi	-	5.2	as
ILC	34-60	6 sampled	10YR 4/4	sand & gravel	loose	22%	sg	-	5.0	as

Soil type		Saco 2.1	Date	10/9/67	Stop
Classification		Fluventic Haplagcept	Area Gloucester DPJ		
Location		Floodplain along Stream 75' S. of Driveway - R.V. Howard			Elev.
N. veg. (or crop)		Unimproved Pasture	Climate		
Parent material					
Physiography Flood plain					
Relief		Level	Drainage		V. Poor
Elevation			Gr. water		30-36"
Slope		A.	Moisture		High
Aspect			Root distrib. Common - mang 0-26"		
Erosion -					
Permeability					
Additional notes					
Area mixture of 55-4 + Poorly dr. Limerick (some 5+9 in places 12-18")					

Soil type Saco 5.14

File No.

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Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
A ₁	0-10"	Dry thattled along rt. chan. C 1-2 ft 2.5 yr 2/1 ↓ "		10 yr 2/1	Sil	1 m-c gr-0m	many fine f. + med	mf	6.0	as
C _{1g}	10-23"	"		10 yr 3/1 - (1)	Sil mucky	1/2 gr-0m	f. + med	mf - WSS	6.0	as
C _{2g}	23-26 (cm. (a gravel)	10 yr 2/1		5 yr 3/2 +)	Sil	0m		WSS	6.0	as
C _{3g}	26-36 - (the mottles)	10 yr 2/1 +)		5 yr 3/2 +)	Sil	0m		WS	6.5	as
D _{1c}	36-42	very faint or f. + 5 ft 1/1		5 yr 6/1	md cos	0.5g		mv	7.0	
		(1) few streaks + Pockets		10 yr 2/1)						
		+ " "		10 yr 6/1						
		2-3 yr 3/2								

Soil type	Saco sil		Date	4/21/76	Stop No.	2
Classification	Fluventic Humaquepts		Area	Carolina Block, R.I.		
Location	Just west of Pawcatuck River on photo I-58				Elev.	20 Ft
N. veg. (or crop)	Wooded (Brushy)		Climate			
Parent material	silty alluvial deposits					
Physiography	Flood plain					
Relief	1% - Level	Drainage	VPD	Salt or alkali	-	
Elevation		Gr. water	At surface	Stoniness	-	
Slope	1%	Moisture	Wet			
Aspect		Root distrib.	A1 - many fine roots C1g, C2g - common fine roots	% Clay *		
Erosion	0	% Coarse fragments *	C2g - none	% Coarser than V.F.S. *		
Permeability	Moderately slow					
Additional notes	Coarse fragments: A1, C1g, C2g = 0% C3g = 3%					

Soil type
Saco sil

File No.

Horizon	Depth (inches)	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
O1	3-1	Recent Litter								
O2	1-0	Partially decomposed litter								
A1	0-10	10YR2/1		5:1	legr			W50	5.2	aw
C1g	10-17	c2d: 10YR2/1 c2p: 10YR4/4 fit: 10YR4/1	matrix 2.5Y3/1		massive			W50- Wp0	5.2	aw
C2g	17-27	fit: 10YR5/1	10YR2/1		massive			W50- Wp0	5.4	aw
C3g	27-41	c2d: 7.5YR3/2 c1d: 7.5YR5/8	matrix 10YR4/3		massive			W50- Wp0	5.4	
C2g horizon is highly organic										

Soil type <i>Saco</i>		Date	Stop No.
Classification <i>Fluventic Humaquept</i>		Area	
Location			
N. veg. (or crop) <i>Hardwoods - oak</i>		Climate	
Parent material <i>outwash</i>			
Physiography			
Relief	Drainage	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope <i>0-1%</i>	Moisture		
Aspect	Root distrib.		
Erosion			
Permeability			
Additional notes			

*Descrip. made for Soil - woodland site index
Described by M.A. TOWNSEND study*

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry Roots	Moist			Dry Co. Frag.	Moist	Wet		
01	3-0		10YR ^{3/1}							
A ₁	0-2	M1	10YR ^{3/1}	SIL	1Mgr	—	vfr	so/po	5.0	As
B _{2g}	2-5	C1	10YR ^{4/1}	SIL	1Mgr	—	vfr	so/po	5.2	As
B _{3g}	5-18	f1	2.5Y ^{6/2}	SIL	1MSBK	—	fr	so/po	5.4	Cs
C _{1g}	18-28	—	10YR ^{6/1}	fsl	0	—	fr	so/po	5.8	Cs
C _{2g}	28	—	7.5YR ^{5/6}	SL	0	—	fr	so/po	5.8	

B_{2g} mottled with 10YR^{5/4}

C_{1g} mottled with 10YR^{5/6}

underlying material - Fine and med. sand (outwash)

Soil type <i>Saco</i>		Date <i>8-27-75</i>	Stop No.
Classification		Area <i>TOWN of Burnsville</i>	
Location <i>Harrisville, 1000 ft N. of Round Top Road, 2000 ft W. of Jet of Sherman Farm Rd.</i>		Elev.	
N. veg. (or crop) <i>Red Maple Saplings</i>		Climate	
Parent material <i>fluvial deposits</i>			
Physiography			
Relief	Drainage	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope	Moisture		
Aspect	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S.*	
Permeability			

Additional notes *Described by Sprankle, Laskey, Ditzler, Stuart*

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Horizon	inches Depth (cm)	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			C.F. Dry	Moist	Roots Wet		
O	1-0	partially decomposed			leaves + twigs					
A1	0-13 (0-33)		10YR 3/1	fsl	lfgr	<2%	fr	Common finer med. woody	4.8	as
A3	13-16 (33-41)		10YR 4/3	fsl	lfgr	<2%	fr	none	5.0	as
C1	16-25 (41-63)		10YR 6/4	lfs	lfgr	<2%	fr	↓	5.2	as
C2	25-34 (63-86)		10YR 6/2	Sand	single grain	<2%	loose		5.2	as
C3	34-60 (86-152)		10YR 5/8	Sands + gravel	"	40%	"		5.2	

- Organic smears in the A3 and C1 horizons - a very few high
 - (Note: 1" band of clean fine sandy loam at a depth of 9") chroma mottles
 in the A3