

Rainbow

CR

Soil type ~~Wt. DBE 1 D6 E 5 L~~ ? Date 22 JUL 76 Stop No.

Classification Typic Frogiochrept CSMM Area R.I.

Location Elev.

N. veg. (or crop) oak, others Climate

Parent material silty mantle over ^{compact} sandy glacial till

Physiography broad glacial till plain

Relief gently sloping Drainage mod Salt or alkali

Elevation - Gr. water deep Stoniness

Slope 3% Moisture moist

Aspect - Root distrib.

Erosion none apparent

Permeability moderate in solonch, slow in substratum

Additional notes

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			CF Dry	Moist	Roots Wet		
Ap	0-8		10YR 7/2	sil	lmggr	<5%	fr	m fgrm	5.3	lwr
B21	8-14		10YR 4/5 ✓	sil	lmsblk	↓	fr	fgrm	5.3	gwr
B22	14-23	f2f 10YR 7/6	10YR 4/3 ✓	sil	lmsblk		fr	fgrm	5.3	gwr
B23	23-29	c2d 10YR 5/6 5/2	2.5Y 4/4	sil	lmsblk		fr	fgrm	5.3	gwr
B3	29-35	c2d 10YR 5/6 5/2	5Y 5/5	sil	m		fr	fgrm	5.3	lwr
C4	35-	c2d 7.5Y 5/6	5Y 4/2	pl	lcpd		10%	fr		5.3

Soil type

File
No.

Soil type <i>Bowdbrooks - Rainbow</i>		Date <i>21 July 64</i>	Stop No. <i>2</i>
Classification		Area	
Location <i>John Dyer Rd.</i>			Elev.
N. veg. (or crop) <i>Pale stage oak; sapling larch & birch</i>		Climate	
Parent material			
Physiography			
Relief	Drainage	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope	Moisture		
Aspect	Root distrib.		
Erosion			
Permeability			
Additional notes <i>Taxadjunct</i>			

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
A ₁	0-2	10YR 3/2 →		slp	✓ sil platy					
B ₂₁	2-7	10YR 5/6	irregular 5-10%	slp	massive breaks into small sub-2 clcks					
B ₂₂	7-14	2.5Y 4/4	"	slp						
B ₂₃	14-20	2.5Y 5/4	"	slp sil	weaker platy					
B _{24g}	20-27	2.5Y 5/4	mottled 10YR 5/6, 6/2	gr slp-sil	weaker platy					
IIc,	27-30	2.5Y 4/4, 5/4, 6/2		gr sil	"					
IIcX	30+	5Y 4/3, 6/2, 4/2 →		gr slp	weaker -platy					
A _{2g} mottled sil pockets in profiles 20-30 fts S of base on Dry Road										



Soil type

File No.

Soil type RAINBOW VESL - S.1 Date 11-26-65 Stop No.Classification Area Johnston No. Soil TopoLocation 1800' No. Baldwin Bros. house + ABOVE BANVILLE FARM Rd. Elev.

N. veg. (or crop) Climate

Parent material

Physiography UPLANDRelief Drainage MODERATE W. DR. Salt or alkaliElevation Gr. water Stoniness XSlope A Moisture

Aspect Root distrib.

Erosion

Permeability Med.Additional notes Taxajunct

GEN AREA SEEMS TO BE COMPLEX OF CHARLTON - GLOUCESTER - NARRAGANSETT. BASIC TEXT IS FSI - VESL BUT AREAS 4i IN WEATHERED GRAISS IN "B" OFTEN OVER FSI IN LOWER "B"

Hold

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction Co Sk	Boundary
		Dry	Moist			Dry	Moist	Wet		
O ₁	3-2 1/2"	LEAF LITER								CS
O ₂	2 1/2-1	PART DECOMP.		7.5YR 3/2 (2/10)	HUMUS (0 ₃ 1-0")					CS
A ₁	0-5			10YR 3/2	S, l				2-3%	CW
B ₂₁	5-16			10YR 5/6 ✓	S, l					9-5
B ₂₂	16-23	F2D 7.5YR 5/6 mott		10YR 6/4	S, l					9
B _{22x}	23-29	7.5YR 5/6 mott		10YR 5/6	S, l					9
II CX ₁	28-36	7.5+10YR 5/6 mott C2d		2.5Y 6/4	S, l					5% 9
II CX ₂	36+	7.5YR 5/6 mott fid		2.5Y 7/2	S _L ,					10%
					lensed of silt					

Soil type		Rainbow Deepphase E		Date	9/1 Aug 67	Stop No.	
Classification				Area			
Location						Elev.	
N. veg. (or crop)				Climate			
Parent material							
Physiography							
Relief		Drainage			Salt or alkali		
Elevation		Gr. water			Stoniness		
Slope		Moisture					
Aspect		Root distrib.					
Erosion							
Permeability							
Additional notes							
Note: Fits range (typifying pedon used for handbook 1-1973) ECAS							

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
Ap	0-8		10YR 2/2	sil						
B21	8-20		2.5Y 4/4	sil						
B22	20-33	mottles 10YR 6/6 5YR 5/4	2.5Y 5/4	mf						
B23	33-37	mottles brown	5YR 4/6 5Y 6/4	sp						
B3	37-41		5YR 4/8 5Y 5/2	fs						
IIc1	41+49	loose	5Y 5/1-4/1	loom	10-15 w skeletal					
IIcx	49+	non	5Y 4/1-3/1	pe						

Rainbow sil.

Dan + Progress

Review Party ✓

Soil type	Rainbow sil.		Date	6/5/74	Stop No.	
Classification			Area	Tiverton		
Location	Lakerd. 100 yds west, In Pit.				Elev.	
N. veg. (or crop)	Pasture		Climate			
Parent material						
Physiography	seasonal					
Relief	Drainage	Mod. Well - 2.5'		Salt or alkali		
Elevation	Gr. water			Stoniness		
Slope	2%		Moisture			
Aspect	west		Root distrib.			
Erosion	None					
Permeability	Taxajunct					
Additional notes	Area Mapped Broadbrook sil, however near area of Rainbow - described by Progress Field review - planned stop.					

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
AP	0-8		10YR 5/3	SiL.	2-f gr.		v fr.	m. f.	5.0	5% elevation smooth
B21	8-16	Light olive brown	2.5Y 5/4	SiL.	1 m sbbk.		fr.	m. f.	5.0	5% fr. wave
B22	16-24		10YR 5/4	SiL.	1 m sbbk		fr.	f. f.	4.8	5% "
B23	24-30		10YR 5/6	SiL.	1 m sbbk		fr.	none	5.0	5% "
B24	30-39	Lead 10YR 5/2 C2d 1.5 5/6	10YR 5/4	SiL.	mass		fr.	none	5.0	5% "
IIc4	39-60		2.5Y 5/2	gr. SiL.	1 platy	brittle	v fr.	none	5.2	20% above wave

Soil type <i>Rainbow sil</i>		Date <i>4-18-75</i>	Stop No.
Classification		Area	
Location <i>EXETER, in subdivision, 800 W. of Slacumville Rd., 2000 ft. N. of Reynolds Rd.</i>			
N. veg. (or crop)		Climate	
Parent material <i>glacial till</i>			
Physiography <i>Upland</i>			
Relief	Drainage <i>Moderate</i>	Salt or alkali	
Elevation	Gr. water	Stoniness <i>few → none</i>	
Slope <i>1%</i>	Moisture		
Aspect <i>sw</i>	Root distrib.		
Erosion			
Permeability			
Additional notes <i>Taxadjunct</i>			
Described by <i>D. Sprankle, E. Stuart</i>			

Soil type

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Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Roots Dry	Moist	C.F. Wet		
O1	1-0 (5-0)	Partially	decomposed		leaves + twigs					
A1	0-4 (0-10)		7.5YR 3/2	sil	1fgr	common fine roots	vfr	0%	5.2	cw
B21	4-13 (10-33)		5YR 4/4	sil	1fgr	common med.	vfr	1%	5.2	gs
B22	13-26 (33-66)		7.5YR 5/6	sil	1mgr	common fine	fr	5%	5.2	cw
B3	26-43 (66-109)	f3P matrix →	2.5YR 5/2 7.5YR 5/8 10YR 5/4	sil	1sbk	few- none	fr	5%	5.2	cw
ICX	43-60 (109-)		2.5Y 5/2	sl	1cpl	none	firm in place	15%	5.4	

Soil type	Rainbow		Date	4/29/75	Stop No.	
Classification			Area	Egotes		
Location	1000 ft north of Reynolds Road 3700 ft west of Slocumville Road. 100 ft south of					
N. veg. (or crop)	White pine, pitch pine, red maple		Climate	historical cemetery.		
Parent material						
Physiography						
Relief	Drainage	Moderate		Salt or alkali		
Elevation	Gr. water			Stoniness		
Slope	1%		Moisture			
Aspect	South		Root distrib.			

Erosion						
Permeability						
Additional notes	Fits range					

Series description for Handbook
12-76 J.A.G.

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No.

Horizon	Depth <small>inches</small> <small>centi.</small>	Color		Texture	Structure	Consistence			Reaction	Bound- ary
		Dry <i>mottles</i>	Moist			Dry <i>roots</i>	Moist	Wet <i>% CF</i>		
01	2-1 5-2.5	undecomposed needles,		leaves and	Twigs					
02	1-0 2.5-0	partially decomposed		leaves, needles and	twigs					
A _p	0-6 0-15		10YR 2/2	sil	lfgr	Common finan med.	vfr	1	4.8	as
B21	6-15 15-38		10YR 5/6	sil	lmgr	few med.	fr	1	5.0	CS
B22	15-21 38-54	m2d m3f	2.5Y 5/4 10YR 6/8 5Y 6/3 mottled	sil	M	none	fr	1	5.2	CS
B23	21-27 54-69	m2d m2d	2.5Y 6/4 7.5YR 5/6 2.5Y 6/2 mottled	vfs/	lmsbk	none	fr	0	5.4	as
B3ir	27-30 69-76		7.5YR 5/8	sl	lfgr	none	vfr	10	5.4	as
IIc _x	30-60 76		2.5Y 6/2	gsl	lmpl	none	fi	25	5.6	

Soil type
RAINBOWFile No.
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Soil type Rainbow sil Date 5-14-76 Stop No. 2

Classification Area

Location Town of Narragansett, on Fairway Court, just off Ocean Rd. Roadcut on S. side

N. veg. (or crop) Shadbush, Aronia, blueberry Climate

Parent material fill

Physiography

Relief Drainage Mod. well drained Salt or alkali

Elevation 50ft Gr. water Stoniness nonstony

Slope 1% NE Moisture

Aspect NE Root distrib. % Clay *

Erosion % Coarse fragments * % Coarser than V.F.S. *

Permeability

Additional notes ECAS, BL, DR

Samples 15-16

* Control section average

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
Ap	0-5"	Common sand	10YR 3/2	Sil	1 mgr.	3%	vfr	-	5.4	SS
B21 ¹⁵	5"-15"	"	10YR 5/4	Sil	1 fgr	5%	vfr	-	5.0	CS
B22	15-23"	fine sand	2.5Y 5/4	Sil	1 fgr	5%	vfr	-	5.2	CS
CX1 ¹⁶	23-38"	C2P	5Y 4/2	fsl	1 thick pl	5%	fi	-	5.2	SS
			5Y 6/6		* absence of Lvfs					
CX2	38-60"	WNC	5Y 4/2	fsl	M ✓	10%	vfi	-	5.2	SS

Note B21 + CX1 were sampled

* Note 3rd horizon → rusty colored concretions

Soil type <i>Rainbow Silt Loam</i>		Date <i>8-17-76</i>	Stop No.
Classification		Area	
Location		<i>Burrell Co</i>	
N. veg. (or crop) <i>Ferns, White Pine, Red Maple, Oaks</i>		Elev.	
Parent material		Climate	
Physiography			
Relief	Drainage <i>Med. Well</i>	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope <i>2%</i>	Moisture		
Aspect <i>SE</i>	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S.*	
Permeability			
Additional notes <i>Dob. Sprinkle + Dean Plates</i> <i>Upland oak site</i> <i>Red + White Oak Site</i>			

Soil type
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Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		<i>Mottled</i>	Moist			Dry	Moist	<i>None</i>		
O ₁	2-1	<i>Loose leaves, oak and Pine needles</i>								
O ₂	1-0	<i>Decayed and partially decayed leaf matter</i>								
A ₁	0-3		7.5YR 2.5/0	SIL	IFGR	<i>4%</i>	VER	<i>Cl</i>	4.8	AS
A ₂	3-5		7.5YR 3/2	SIL	IFGR	<1%	VFR	<i>Cl</i>	5.0	A ₂
B ₂₁	5-9		10YR 4/4	SIL	IFSBK	5%	FR	<i>Cl</i>	5.0	C ₅
B ₂₂	9-15		10YR 5/4	SIL	IFSBK	5%	FR	F ₂	5.2	C _W
B ₃	15-22	<i>C2D 10YR 5/6</i> <i>FID 10YR 5/2</i>	2.5Y 5/4	SIL	IMSBK	5%	FI	<i>None</i>	5.4	<i>grW</i>
C _{X1}	22-49	<i>C2D 10YR 5/6</i> <i>FIP 5YR 4/6</i>	5Y 5/2	FSL	ITHWPL	10%	VFI	<i>None</i>	5.8	
C _{X2}	49-63		10YR 5/3	<i>Mosses</i> UFSI	<i>Weak thin PL</i>	<1%	FI	<i>None</i>		