

Soil type RIDGEBURY		Date 7/10/74	Stop No. 2
Classification		Area	
Location Stamp Farm Cranston 1300ft South of RT 14 + 2000FT WEST OF COMSTOCK PKWY			
N. veg. (or crop)		Climate	
Parent material			
Physiography			
Relief		Drainage Poorly	Salt or alkali
Elevation		Gr. water	Stoniness NON-STONY
Slope 0%		Moisture	
Aspect		Root distrib.	
Erosion 0			
Permeability			
Additional notes			

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Bound-ary
		Dry ROOTS	Moist			COARSE Dry FRAG	Moist	Wet		
O1	3-1	M1								
O2	1-0	M1								
A1	0-4	C1	10YR 2/1	fsl	lfgr	10	vfr	SO PO	4.5	aw
B21	4-11	C1 matrix	10YR 5/6 2.5Y 5/2	fsl	1msbk	15	fr	SO PO	4.6	cw
B22	11-20	f1 matrix	10YR 5/2 10YR 5/6 10YR 5/4	fsl	1msbk	15	fr	SO PO	4.5	cw
C1X	20-34	-	10YR 5/4 10YR 5/1 7.5Y 5/6	fsl	m	18	vfi	SO PO	4.8	cw
C2X	34-60	-	10YR 5/4 2.5Y 5/4	gfsl	m?	22		SO PO	5.2	cw
N.B.	C1X had pockets of very fine sands					10YR 5/6, 10YR 6/1				

Soil type	Sandy	Date	9-25-59	Stop	3 of 3
Classification	Fragiargyp ⁺ Area DPJ 3H-97 - M. Providence				
Location	Wet Area Under "North" on Topo (Providence)			Elev.	
N. veg. (or crop)	Houses		Climate		
Parent material					
Physiography	UPLAND				
Relief	Drainage	V. P. D.		Salt or alkali	
Elevation	Gr. water	0		Stoniness -	
Slope	Moisture				
Aspect	Root distrib. Few fine-med. in O + A				
Erosion					
Permeability					
Additional notes	AREA being drained - Filled				

① Brks to strong. cemented blk clods (wk in up. 5")
in 60x only

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Lo. 5R. Dry	Moist	Wet		
O ₁	7-1"	part + well decomp. + matted roots		O.M					4.5	As
O ₂	1-0		2.5Y 2/0	Muck				Wss	4.5	As
A ₁	0-2		10YR 2/2	Fsl	1 fgr.	3%	mfr		4.5	Dw
C _{1g}	2-7	fid 2.5Y 5 1/2 - 4 1/2	7.5YR 4/2 -	S.L.	1 mgr	5%	mfr		5.0	As
C _{2gx}	7-20	10YR 5/9	10YR 4/2	L.S. -						
		10YR 5/9	5Y 4/2 + 5Y 9/1	S.L.	0m	10%	mfr ⁽¹⁾		5.0	As
		10YR 5/9	(S. grn)							
C _{3gx}	20-23	m3P 10YR 5/8	"	S.L.	0m	"	mfr ⁽¹⁾		7.0	As
		7.5YR 5/9	"							
C _{4gx}	23-40	no matl.	5YR 7/1 + 30%	S.L.	0m	"	"		8.0	
			" 9/1 in up. 3"							

Soil type	Sandy Ridgebury FSL		Date	9-2-66	Stop		
Classification	TYPIC FRAGIAQUEPT		Area	Situata			
Location	50' E. of #116, 3/4 mi. So. Prev. Filter PLANT				Elev.		
N. veg. (or crop)	Woodland, Oak, R. Maple		Climate				
Parent material							
Physiography	Upland						
Relief	gently sloping		Drainage	Poor		Salt or alkali	
Elevation			Gr. water	40" +		Stoniness	M
Slope	3-8%		Moisture				
Aspect	No.		Root distrib.	None in Pan, Common fine in A " med. " B			
Erosion							
Permeability	Moderate above Pan, Slow below						
Additional notes	(1) Breaks to 1 f pl (2) + few small plates of sil 10YR 6/1 (3) Mvfi in place, crushes explosively to Sg (4) Sil caps on gravel						

Soil type

File No.

401/1

SCS-232A-Soil Description-Rev. 7-15-56

Get other finer text. Profile

One might question whether this section is coarse loamy or poorly mixed. If the latter is correct, DAI 9/E

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Co. SK. Dry	Moist	Wet		
O ₁	2 1/2 - 1"	leaf litter								
O ₂	1-0"	Partly + well decomposed organic matter								
A ₁	0-5"	10YR 2/2		FSL	1 fgr.	3-5%	Mfr.	4.5	AS	
B ₂₁	5-11"	Mottled 7.5YR 3 1/4 (2P) 10YR 6 1/4		10YR 5 1/2	FSL	(1) OM	5%	"	4.5-5.0	CS
B _{22g}	11-24"	7.5YR 5 1/2 M 10YR 5 1/8 3P		10YR 5 1/2	FSL or SL	(1) OM	5-10%	Mfr + Mfi		gW
C ₁ Xg	24-35"	"		5Y 6 1/2	LS (2)	(3) OM	15%	Mufi		AI
C ₂ Xg	35-42"	10YR 5 1/8 f2d		5Y 6 1/1 + 5 1/1	S+g	(3) OM	50% ⁺ (4)	"		

Soil type	Ridgebury ?		Date	11/15/67	Stop	
Classification	AERIC FRAGIAQUEPT		Area No.	Situate DPJ 4H-159		
Location	About 400' No. of #101 opposite Bianco-Edge of Stream				Elev.	
N. veg. (or crop)	Woodland		Climate			
Parent material						
Physiography	Upland					
Relief	LEVEL	Drainage	POOR	Salt or alkali		
Elevation		Gr. water	2'	Stoniness M		
Slope	A	Moisture				
Aspect		Root distrib.				
Erosion	-					
Permeability	Moderate above Pan, Slo below					
Additional notes	AREA Mapped Leicester V. Stony Need rechecking for Pan across #101					

Soil type

File No.

Need Descript. More dominant FSL

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
O ₁	3/4 - 1 1/4"	FOREST Litter: loose leaves + twigs								
O ₂	1/4 - 0"	Part decomp + decomp O.M.								
A ₁	0-3		10YR 3/2	Fsl	ifgr	mrfr ⁽¹⁾	0	5.0	As	
B ₂₁	3-7	6.2d 7.5YR 5/6-8	10YR 4/3	SL	ifgr	mrfr	0	5.0	As	
B ₂₂	7-16	7.5YR 5/6 C ₂ 3d 10YR 5/6 C ₂ 7	10YR 4/2-3	SL	ifgr	"	3	6.0	Cs	
C ₂ 9	16-40"	7.5YR 5/6 5YR 7/1 M ₃ P	5Y 5/3	Sil	OM	(3) mrfi	20%	6.5		
		fewpock 10YR 4/2 CoS								
		(1) Brks to 5.9			(3) Brks to mrfi sbk clods					
		(2) Brks to soft sbk clods								

Soil type	Ridgebury FSL	Date	8-12-69	Stop No.
Classification	ARAC FRAGIOQUEPT	Area	SMITHFIELD - DPJ3H-164	
Location	800' S.W. of Moway Rd. opposite Tupper House	Elev.		
N. veg. (or crop)	HAYLAND (8.A.1)	Climate	Bryant College	
Parent material				
Physiography	UPLAND			
Relief	Gently Sloping	Drainage	POOR	Salt or alkali
Elevation		Gr. water	-	Stoniness
Slope	A	Moisture		
Aspect	S.	Root distrib.	many fine + med grass in Ap	
Erosion				
Permeability				
Additional notes	50' N. = 2 profile / x-pen			

Soil type

File
No.

Horizon	Depth in.	Color		Texture	Structure	Consistence			Reaction	Boundary	Co- Freq.
		Dry	Moist			Dry	Moist	Wet			
A _p	0-9	M	5YR 3/4	10YR 2/2 + stains of roots	FSL	1/9 n.		mfn.	6.5	aw	10%
B _{2/1g}	9-15		2 of 10YR 40%	2.5Y 5/2 + 10% 5/4 mottles	FSL	OM		mfn. (1)	6.5	cw	10%
B _{2/2g}	15-26	M 2 P	10YR 5/4-6	2.5Y 6/3 + mottles	FSL	OM		mfn. (1)(2)	6.0	cw	-1%
C _{xg}	26-42		10YR 7/8 + 7.5 YR 5/1	2.5Y 6/2 + 5% mottles 50%	FSL	OM		mufi (3)			5%
				(1) breaks to soft sbk clods + granules							
				(2) wk platy in lower 2"							
				(3) breaks to mufi sbk. clods + plates							

Ridgely

Fragi

Soil type Raynham S.1 / till <u>Hapta gypst</u>		Date <u>8-18-69</u>	Stop No.
Classification <u>Aeric</u> <u>11</u>		Area <u>Glendale DPJ 4H-167</u>	
Location <u>McKROINS FARM - Poorly drained, 500' right of</u>			Elev.
N. veg. (or crop) <u>Wood land</u>		Climate <u>Pole Barn</u>	
Parent material			
Physiography <u>Upland</u>			
Relief <u>level</u>	Drainage <u>Poor</u>	Salt or alkali	
Elevation	Gr. water <u>-</u>	Stoniness <u>X-M</u>	
Slope <u>A</u>	Moisture		
Aspect	Root distrib. <u>Few fine - med. in B</u>		
Erosion			
Permeability			

Additional notes
Fcl Pedon 10' away

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Co. 5k Wet		
O ₁	4 1/2 - 4	Loose leaf litter + twigs, oak + maple								As
O ₂	4 - 0	matted roots (fine-med) + Part. Decomp. 2.5 yr 2/2							4.5	As
A ₁	0 - 3"		2.5 yr 2/0	sil.	l cgr.		mufi	0	4.5	As
B _{21g}	3 - 6"	F, f 10 yr 4/1	10 yr 5/2	Fsl.	Om		mfi ⁽¹⁾	0	4.5	C ₁
B _{22g}	6 - 18"	C _{2d} 10 yr 5/4	5 yr 4/1 + 4/2	sil.	Om		mfi ⁽²⁾	0	4.5	C _g
C _{1xg}	18 - 32"	"	10 yr 4/1	sil.	Om		mfi ⁽³⁾	0	5.0	dg
C _{2xg}	B ₂ + 4"	no mottles	5 yr 7/1	sil	Om		"	0	5.0	
		(1) + soft. med. sht clds + granules								
		(2) " " " "								
		(3) + mfi Co. " "								

Soil type	Co. L.	Date	9-25-69	Stop	1 of 3
Classification	Aeric Fragiaquept		Area DPI 3H-91 - No. Providence		
Location	Wet Area Under "North" on Prov. Topo			Elev.	
N. veg. (or crop)	Climate				
Parent material					
Physiography	Upland				
Relief	Drainage	P.D.	Salt or alkali		
Elevation	Gr. water	-	Stoniness -		
Slope	Moisture				
Aspect	Root distrib. few f. in A + B ₂				
Erosion					
Permeability					
Additional notes	Ridgebury S.L. ?				

Soil type

File
No.

Horizon	Depth	Color		Texture	Structure	Co. Stk. Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
A ₁	0-2 1/2	mingled +	2.5Y 2/1 inter- 10YR 4/3 L.S.	S.L.	1 fgn.	2-3%	mfn.		4.5	C.W.
B ₂₁ W	2 1/2-5 1/2		5YR 2/2 + 3/4	S.L.	1 fgn	"	mfn. ①		5.0	L.W.
B ₂₂	5 1/2-17"	C 2d 10YR 6/8 7.5YR 5/6	10YR 5/2 + 2.5Y 6/2 in lower	S.L.	1 mgn	5%	mfn.		5.0	aw
C _{1g}	17-26	M 2 P 10YR 5/8 5YR 5/8	5Y 6/2-7/2 4/4 streaks 5/2	S.L. ②	0 m	"	mfn. ③		6.0	bw
C _{2xg}	26-32	F 2 P 5/8 5YR 5/8	10YR 7/1	Fsl, sil. S.L.	0 m	10%	mfi		7.0	bw
C _{3xg}	32-42	no mottles	"	"	"	20%	"		7.0	

④ Brks to mod. firm med. platy + abk clods

① Weakly cemented to mod. firm medium abk clods + granules

② Pockets + lenses 5YR 6/2 sil and an gravel (10% in lower)

③ Brks to wk platy + mfi clods in lower

Soil type	Ridgebury		Date	27 May 76	Stop No.
Classification			Area	Rhode Island	Primrose block
Location	Sheet 0-12, NE quadrant, E of R.I. 5, NE of R.I. 7, NE of (Cont.)				
N. veg. (or crop)	Forest	maple, etc.	Climate		
Parent material	Glacial till				
Physiography	Drainagemay on till plain				
Relief	Flat	Drainage	Poor	Salt or alkali	No
Elevation	400'	Gr. water	14"	Stoniness	Stony
Slope	1%	Moisture	Moist		
Aspect		Root distrib.	Abund. to 4"; plant. to 9"	% Clay *	
Erosion	None	% Coarse fragments *	20	% Coarser than V.F.S. *	
Permeability	Moderate				

Soil type

Ridgebury

File No.

Additional notes Few dark reddish cemented chunks at about 22" but these apparently do not constitute even an intermittent horizon. Stoniness very variable, also thickness of black A1. Unlike this profile, most typical Ridgebury has mottles in lower A horizons. 7M delineations, in addition to named (Cont.)

Horizon	Depth inches	Color		Texture	Structure	Consistence			Reaction	Bound- ary
		Dry	Moist			Rock -Dry fragments %	Moist	Wet		
O1	3-0		5YR 2/2							as
A11	0-4		5YR 2/1	fsl	1 r sbk	15	vfr	so po	4.4	cm
A12	4-9		10YR 4/1	fsl	1 f sbk	15	fr	so po	4.6	gm
A2	9-22		2.5Y 5/2 2 C/2	fsl	1 f sbk	15	fr	so po	4.8	gm
			common faint fine mottles							
B2	22-35 [±]	major {	10YR 5/4 2.5Y 5/2	gsf		25		so po		
		minor	7.5YR 5/6							
Excavation limited by stones and water										

Location

monument plant near intersection of
7 & 5, in 7M delineation
which is in drainage way between
64XB delineations.

soils, include organic soils, small ponds,
soils from local alluvium, rock rubble
with interstitial organic materials.