

Soil type

Mansfield soil

Date 6/16/65

Stop No.

Classification

Area

Providence RI

Location 1/2 mi S.E. of Tower Over Hill

Elev.

N. veg. (or crop)

Idle. Intense Cynodon

Climate

Drier August

Parent material

medial yellow

Physiography

Relief

N hill

Drainage

poor - very poor

Salt or alkali

Elevation

Gr. water

Stoniness

Slope

Moisture

Aspect

Root distrib.

Erosion

Permeability

Additional notes

No signs of coarse fragments above
fragipon. Question whether the soil is
really a v. poorly drained.

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34

Soil type		Mansfield sil.	Date	8/74	Stop No.
Classification			Area		
			Little Compton		
Location					
Mansfield site - L.C. On Davis Farm, 2300 feet east of #77 on farm rd.					
N. veg. (or crop)			Climate		
Low scrub + grass					
Parent material					
glacial till from acid, gray shale + slate					
Physiography					
Relief		Drainage		Salt or alkali	
		V. poor.			
Elevation		Gr. water		Stoniness	
		shallow → have			
Slope		Moisture		water table data.	
< 1%					
Aspect		Root distrib.		zones 0 - 6" mostly.	
Erosion					
Permeability					
slow					
Additional notes					
2.5VR 1/8 few fine prominent mottles in B22gx					

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Soil type <i>Mansfield sil</i>		Date <i>10/18/56</i>	Stop No.
Classification		Area	
Location <i>Along telephone line East Adam Bldg. Prudence Island</i>			
N. veg. (or crop) <i>brush & weeds</i>		Climate	
Parent material			
Physiography <i>dry land</i>			
Relief <i>N level</i>	Slope <i>A</i>		Erosion
Drainage	Gr. water		Permeability
Moisture	Salt or alkali		
Stoniness <i>few stones</i>	Root distrib.		
Remarks			

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Horizon	Depth	Thickness	Boundary	Color	Texture	Structure	Consistence	Reaction	Spec. Feat.
				Check. D(ry) or M(oist)					
A ₁	0-8	6-10		D M 10Y R 2/1 moist	silt	coarse a loam pebbles			
				D M same gray & mott. Brown mott.					
B _{21g}	8-12			D M 2.5Y 5/0 + 4/0	ls. & fat	fat moist glassy pe			
B _{22g}	12-18			D M 2.5Y 4/0 mottled					
				D M moist 2.5Y 4/1	compacted	fairly brown			
C _g	18-30			D M 2.5Y 3/0 - 4/0	very firm	& compact			
				D M	fairly	fairly brown			
				D M	top				
				D M					
				D M					
				D M					

Soil type <i>Manassas soil (sand over sh)</i>		Date <i>6/19/56</i>	Stop No.
Classification <i>9-A-1</i>	Area <i>Prudence Slaves</i>		
Location		Elev.	
N. veg. (or crop) <i>brush</i>	Climate		
Parent material			
Physiography			
Relief <i>N level</i>	Slope <i>A</i>	Erosion	
Drainage	Gr. water	Permeability	
Moisture	Salt or alkali		
Stoniness <i>few stones</i>	Root distrib.		
Remarks			

Sand over manassas soil

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Horizon	Depth	Thick-ness	Bound-ary	Color	Tex-ture	Struc-ture	Con-sistence	Reac-tion	Spec. Feat.		
				Check. D(ry) or M(oist)							
	0-12	4-12		D mottled 2s y s/2 M + 7s y R s/8						crassy part med- round blower	None
	12-22			D M 2s y 3/8 with gray sil + brown mottling							
	22-30			D 7-4/10 + 5/1 with M. brown mottling							fl & soft loam
	30+			D M 2s y s/10 + 4/10							firm top
				D M							
				D M							water table at 30 inches
				D M							None from 18-30
				D M							
				D M							

6-A-1

Soil type	Mansfield ps		Date	10/24/56	Stop No.
Classification			Area	Prudence Island	
Location	West Main Bldg - Naval Academy			Elev.	
N. veg. (or crop)	grass		Climate		
Parent material					
Physiography	u				
Relief	Slope		Erosion		
Drainage	Gr. water		Permeability		
Moisture	Salt or alkali				
Stoniness	Root distrib.				
Remarks	<p>water table at 2' in lowest place. no water table above 2' where people dig -</p>				

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Horizon	Depth	Thickness	Boundary	Color	Texture	Structure	Consistence	Reaction	Spec. Feat.
				Check. D(ry) or M(oist)					
A1	0-8	4-8		D M 10YR 2/1	fs				
A2 ₁	8-14			D M 2.5Y 5/0	fs in sand				
B2 ₁	14-24			D M 2.5Y 5/0 mottled					
				D M 2.5Y 5/4	fs	very firm in place			
				D M					
2	24+			D M ties.					
				D M top remains 24-30"					
				D M					
				D M					
				D M					
				D M					

Soil type <i>Mansfield sil</i>		Date <i>5/3/66</i>	Stop No.
Classification <i>Humic Fragiaquept</i>		Area <i>Porterworth</i>	<i>18 Shear</i>
Location <i>8 mi. west Sandy Point</i>		Elev.	
N. veg. (or crop) <i>forest</i>		Climate	
Parent material			
Physiography			
Relief <i>V level</i>	Drainage <i>poor</i>	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope	Moisture		
Aspect	Root distrib.		
Erosion			
Permeability <i>Sh. Brown</i>			
Additional notes <i>Assuming this soil has better riped on Humic Fragiaquept. If not typical Fragiaquept. Sh. Brown called 6-8 543/1 Bot. brown on</i>			

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DGS

Soil type		Mansfield si. L.	Date	7/27/72	Stop No.
Classification			Area		
Location		DD-18, (3.25S, 3.5W)	Little Compton R.I.		Elev.
N. veg. (or crop)		Pasture	Climate		
Parent material					
dark gray till					
Physiography					
Relief		Drainage		Salt or alkali	
		very poorly drained			
Elevation		Gr. water		Stoniness	
		on surface			
Slope		Moisture			
A		wet			
Aspect		Root distrib.			
south					
Erosion					
Permeability					
very slow					
Additional notes					
The sragium appeared to be only moist while A, O, B1 is saturated water run down hole into B horizon.					

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Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
01	3-0		Brown	Peat						
A1	0-6		10YR 2/1	Heavy silt loam	lmp			SS		
B21	6-9		2.5Y 4/0	VSSL	mass			SS		
B22 X	9-30		2.5Y 3/0	Heavy silt	mass			SS		
		2 md	2.5Y 4/2					SS		
		1 f p	2.5Y 5/6							
B23 X	30-40		Blue	silt				SS		
		2 md	2.5Y 4/2							
		2 md	2.5Y 5/6							

Soil type	34A	Mansfield sil.	Date	7/6/77	Stop	
Classification			Area	Little Compton		
Location	EE-14 (31-768) 5.25 South - 4.75 West				Elev.	
N. veg. (or crop)	Hardwoods		Climate			
Parent material	Glacial till from conglomerates, shale, & slates					
Physiography						
Relief	Level	Drainage	Very poor	Salt or alkali		
Elevation		Gr. water	on surface ponding	Stoniness		
Slope	A	Moisture	free H ₂ O to 12", dry to 40"			
Aspect	South	Root distrib.				
Erosion						
Permeability	Very slow - free H ₂ O to 12", dry to 40"					
Additional notes	Water ran down Apertole					

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