Soil type	Sutton sil	Date 4/20/76	Stop No. 1
Classification	Aquic Dystrochrepts	Area Carolina Block, R.I.	
Location	Carolina Mgt. Area on photo no. H-54		
N. veg. (or crop)	Wooded	Climate	
Parent material	Glacial till with aeolian silt mantle		
Physiography	Glaciated uplands		
Relief	Rolling to nearly	Drainage MWD	Salt or alkali —
Elevation	~~820~~ 110 Ft.	Gr. water 33"	Stoniness Class 2
Slope	3%	Moisture Moist	
Aspect		Root distrib. A1 many fine & med. B21, B22 common fine & med.	% Clay* B23 few medium
Erosion	1	% Coarse fragments* C few med.	% Coarser than V.F.S.*
Permeability	Moderate		
Additional notes	Silty mantle indicates that this is not a typical Sutton profile. Coarse fragments: <2% in A1, B21, B22 10% in B23 and 20-30% in IIC		

Soil type: Sutton sil

File No.

SOIL DESCRIPTION
SCS-Soils-232D, Rev. 12-70

* Control section average

USDA-SCS

Horizon	Depth (inches)	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
O1	2½-1	Fresh Litter								
O2	1-0	Partially decomposed Litter					~~vfr~~			
A1	0-6		10YR 3/2	sil	1mgr c gr		vfr		5.2	aw
B21	6-15		10YR 5/4	sil	1 mdr sbk		vfr		5.4	cw
B22	15-20	C2d-10YR 7/2 C2d-2.5Y 6/4	2.5Y 5/4	sil	1mdc sbk		vfr		5.2	cw
B23	20-33	C2p-10YR 3/2 C2p-2.5Y 6/4	10YR 6/6	fsl	1mgr sbk → 1mgr		fr		5.2	aw
C	33-49	Variegated	10YR 5/6 7.5YR 6/8 5Y 7/2	grsl	massive		loose		5.2	

Soil type		Date	Stop No.
Classification Sutton		Area	
Location Burrillville			Elev.
N. veg. (or crop)		Climate	
Parent material			
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 Dean Rector, Dale Sprankle + John Gagnon			

Soil type SUTTON

File No. 17

SOIL DESCRIPTION
SCS-SOILS-232A REV. 12-70

* Control section average Woodland site # 28 USDA-SCS

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		~~Dry~~ MOTTLES	Moist			~~Dry~~	Moist	~~Roots~~		
O_1	2-1									
O_2	1-0									
A_1	0-3		10YR 3/2	fsl	1fgr	15%	vfr	common medfine	4.8	as
AB	3-5	10YR 5/2	7.5YR 4/4	fsl	1fgr	5%	vfr	common fine	4.8	cw
B_{21}	5-17	~~f2~~ 10YR 5/6 high chr ~~10YR 5/4 boarder~~	10YR 6/6	fsl	1fsbk	5%	fr	few fine	5.0	gw
B_{22}	17-25		10YR 5/4	sl	1msbk	10%	fr	few fine	5.0	gw
C	25-60	5YR 4/6 high chr fnt 10YR 5/2 low chr	2.5Y 5/4	gr sl	1 thick pl.		firm in place	none	5.2	

Soil type Sutton stony e Scituate		Date 10/16/59	Stop No.
Classification	Area		
Location Shumunkanuc Hill Rd, Charlestown Warnock Farm			Elev.
N. veg. (or crop) Dom. White oak some maple	Climate thick underbrush blueberry Sassafras		
Parent material			
Physiography			
Relief	Drainage	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope B	Moisture		
Aspect	Root distrib. A1 upper B		
Erosion			
Permeability			

Additional notes grades to Scituate in small depressions not typical Sutton
3-7" ~~stones~~ irregular ~~[illegible]~~ shaped throughout solum; stones
in till; stony surface, boulder size also

Soil type

File No.

SCS-232A-Soil Description—Rev. 7-15-56 GPO: 1[illegible]-F-395158

Horizon	Depth	Color Dry	Color Moist	Texture	Structure	Consistence Dry	Consistence Moist	Consistence Wet	Reaction	Boundary
A00 A0	3½-2½ 2½-0		oak leaves 10YR 2/2							
A1	0-4		10YR 2/2	l		[illegible]	vf			w
B21	4-11		10YR 3/4	l	swk blk		vf			w
B22	11-23		10YR 5/6	fsl	"trace mottling					w
C1	23-26		10YR 6/6 6/8	csl	some conc. blotchy 7.5YR 5/8 mottle concretions		some			As
C1r	26-34		7.5YR 5/8 to 5YR 5/8 minute	csl						As
C2	34-48"		7.5YR 5/6	crsl						

sharp fine gravel colour chart quite fit on 7.5YR seem slightly redder

Soil type	Charlton - Sutton	Date 17 May 60	Stop No.
Classification		Area	
Location	MacDonald Farm S Iowa Road.		Elev.
N. veg. (or crop)	idle - Andropogon Scoparius Bittersweet, wild raspberry	Climate	
Parent material			
Physiography			

Relief	Drainage	Salt or alkali
Elevation	Gr. water	Stoniness
Slope	Moisture	
Aspect	Root distrib.	
Erosion		
Permeability		
Additional notes		

Soil type

File No.

GPO: 1956 O-F—395158

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
Ap	0-6		10YR 3/1	fsl						
B_{21}	6-18		10YR 5/6	fsl	blocky					
B_{22g}	18-26	10YR 5/4 mottles 7.5YR 5/8 mottles	2.5Y 5/2 mottles	some silt fissures and nodules 1/4"						
A'_2	26-42 pockets	wet mottles 5/1	2.5/5/4 5/2	10YR 5/6 mottles or ls		fria in plates breaks down easily				
A	interbedded	5/4 5/1	10YR 5/8	7/5Y 5/6 wet pocket						
D	42+		10YR 5Y 5/1	ors		fria breaks under pressure				

Soil type	Sutton	Date	7 Nov 75 ~~7 Nov 75~~ Stop No.
Classification		Area	Rhode Island Primrose block
Location	Sheet M-12 near M-10 border, 200 feet N of Paine Road (now abandoned)		
N. veg. (or crop)	Forest oak, pines, etc.	Climate	
Parent material	Glacial till		
Physiography	Moraine		
Relief	Subnormal	Drainage	Moderately good
Elevation	960'	Gr. water	None
Slope	1%	Moisture	Moist
Aspect		Root distrib.	Abund. to 7"; plent. to 18"
Erosion	None	% Coarse fragments *	10
Permeability	Moderate		

Soil type (coal) Sutton

File No.

Additional notes This profile has higher color value in upper B than common and fewer stones. Delineations include somewhat poorly drained soils with low chroma mottles in high chroma matrix in upper B. 42 MB delineations cover rubble fields below outcrop areas.

SOIL DESCRIPTION
SCS-Soils-232D, Rev. 12-70

* Control section average

USDA-SCS

EGK

Horizon	Depth inches	Color		Texture	Structure	Consistence			Reaction	Boundary
		~~Dry~~ Mottles	Moist			Dry	Moist	Wet		
O1	2-0		10YR 2/2							as
A1	0-7		10YR 3/4	ss l	1 vf sbk		vfr	PO SO	4.8	cw
B21	7-18		10YR 5/6	fs l	0 or 1 vf sbk		vfr	PO SO	4.8	cw
B22	18-28	few medium faint	10YR 5/6	fs l	0 or 1 vf sbk		vfr	PO SO	4.8	gw
C1	28-35	common medium distinct	2.5Y 5/2	fs l	0		fr	PO SO	4.8	
C2	35-44+	common medium prominent	2.5Y 6/2	vfs l	0		fr	PL SL	4.8	

Soil type Sutton 42XB		Date 10-7-76	Stop No.
Classification Inceptisol - Aquic Dystrochrepts		Area	
Location Foster, R.I.			Elev.
N. veg. (or crop) Red Maples, White Pines, Oaks		Climate Humid temperate	
Parent material residuum from glacial till (Wisconsin glacier)			
Physiography till			
Relief	Drainage moderately well-drained		Salt or alkali nonexistent
Elevation	Gr. water 1.5-4'		Stoniness X-stoniness
Slope 4%	Moisture moist		
Aspect	Root distrib. plentiful-mod. degree of clay *		
Erosion	% Coarse fragments *		% Coarser than V.F.S.*
Permeability >2" per hr.			
Additional notes Family: coarse-loamy, mixed, mesic			

R.A.S., B.L., C.D.

Soil type Sutton 42XB

File No.

SOIL DESCRIPTION
SCS-SOILS-232A REV. 12-70

* Control section average

USDA-SCS

Horizon	Depth inches	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist Mottles			Dry	Moist	Coarse fragments Wet		
O_1	2-1	organic litter								
O_2	1-0	decomposed O.M.								
Ap	0-4	10YR 3/1	matrix	fsl	1fsbk		mfr	<2%	5.0	AS
B_{21}	4-11	7.5YR 4/4	"	fsl	1fsbk		mfr	3%	5.2	CS
B_{22}	11-16	10YR 4/4	" f1f; yellowish brown	fsl	1fgr		mfr	10%	5.2	CS
B_{23}	16-21	10YR 5/3	" c2f; yellowish brown	fsl	1fgr		mfr	10%	5.2	CS
C	21+	10YR 5/3	" c1d; gray and m-2d; strong brown	SL	m		mfi	5%	5.2	