

Soil type		Date	7/27/76	Stop No.	#4
Classification		Hardly SHATTERED BEDROCK			
Location		E-36 SW corner		Elev.	
N. veg. (or crop)		Huckleberries, V. berries, wild oak		Climate	
Parent material					
Glacial fill					
Physiography					
Relief	Gently rolling	Drainage	excessively	Salt or alkali	
Elevation		Gr. water	deep	Stoniness	
Slope	6%	Moisture			
Aspect	North	Root distrib.		% Clay *	
Erosion		% Coarse fragments *		% Coarser than V.F.S. *	
Permeability					
Additional notes					
gneiss n schist					

Soil type
MOLLIS

File No.
4

Soil type	43 M BC-1	Date	6/23/49	Stop	1
Classification	Entic. Para lithic Hap/		Area DPJ 3H-160		
Location	Brown Rd, R.d. cut 200'		of Sch. House		Elev.
N. veg. (or crop)	W. Pine, W + E. Oak		Climate Brown Ave Sch.		
Parent material	Granitic Gneiss				
Physiography	upland				
Relief	Undulating	Drainage	Excessive to	Salt or alkali	
Elevation		Gr. water	Well	Stoniness M	
Slope	B	Moisture			
Aspect		Root distrib. Few fine, med. in B, no in R.			
Erosion					
Permeability	v. Rapid above "R"				
Additional notes	See Camp Massa Soil Area for comparison - no outcrops				

Soil type

File
No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction Co. Sk.	Boundary
		Dry	Moist			Dry	Moist	^{pH} Wet		
A ₁	0-2"		10YR 3/3	oSL	1fgr		Mifr	5.0		AS
B ₂₁	2-9		5YR 5/5	gLS	Om		sg mL	6.0	20%	CS
B ₂₂	9-15"		10YR 5/6 5/6	vgL	om		sg mL	6.5	55%	AS
R	15+		10YR 4/4 + 5/3	WHG	om		*	6.5	100%	

* Digs out with shovel
with extreme difficulty

43MC

Soil type *Hollis shattered Bed, VARIANT* *Rock outcrop complex* Date *10-10-73* Stop No.

Classification Area

Location *4000 ft East And 2000 ft. SOUTH of Creamer Pond Tiverton, R.I.*

N. veg. (or crop) Climate

Parent material *Glacial Till*

Physiography

Relief *Rolling* Drainage Salt or alkali

Elevation Gr. water Stoniness

Slope *3%* MoistureAspect *SE* Root distrib.

Erosion

Permeability

Additional notes *Described - M. A. TOWNSEND & EV STUART**The location is**MARKED ON BACK OF PHOTO DD-6*

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Bound-ary
		Dry	Moist			Dry C.F.	Moist	Wet ROOTS		
O1	2-1"	UNDECOMPOSED LEAVES & TWIGS								
O2	1-0	PARTIALLY DECOMPOSED O.M.								
AP	0-7		10YR 4/4	fsl	lfgr	3%	fr	COMMON fine & med.	5.8	aw
B2	7-20		10YR 5/4	fsl	lmgr	5%	fr	COMMON fine & med.	5.2	gs
B3	20-26	40% Weathered Rock material	10YR 5/4	sl	lmsbk		fr	few fine	5.2	gs
R	26-40	Rippable bedrock 10YR 4/3						very few fine	5.6	
		several root channels at 36" depth (1" in diam.)								
		pockets 2-4" diam. of 10YR 6/6 rock material Rubs to a ls with moderate rubbing								
		Firm bedrock at about 60"								
		The location of this description is marked with A Red check on Back of Photo DD-6 Tiverton, R.I.								

43MC

DAN S.

Soil type <i>Hollis-shattered bedrock variant.</i>		Date <i>7/30/74</i>	Stop No.
Classification		Area	
Location <i>Brown Ave. - Johnston</i>			
N. veg. (or crop) <i>No. Red oak, white oak</i>		Climate	
Parent material <i>Granite</i>			
Physiography			
Relief	Drainage <i>well</i>	Salt or alkali	
Elevation	Gr. water <i>deep</i>	Stoniness	
Slope <i>B</i>	Moisture		
Aspect <i>South West</i>	Root distrib.		
Erosion			
Permeability <i>rapid</i>			
Additional notes			

Soil type

File
No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
A1	0-1"		10YR 3/1	SSL	1 mp.		fr.			
A2	1-1 1/2"	10YR 7/2	10YR 5/2	SSL	1 mp.		fr.			
B21	15-5"	7.5YR 6/8	5YR 5/6	gr. SL.	1 mp.		fr.			
B22	5-14"	10YR 5/4	10YR 5/6	gr. SL.	—		fr.			
B3	14-18"		10YR 6/6	gravel → small angular rock fragments						
R	18-40"	rotten rock - coarse grain granite								

Ev.

Soil type

File No.

Soil type *Hollis - Shattered bedrock variant* Date *6/3/75* Stop No.

Classification Area *TOWN OF EXETER*

Location *borrow pit - 1300' N. of Rt. 102, - 600' West of New London Turnpike (Exeter)*

N. veg. (or crop) *Upland Oaks, 60 Pine Blueberry* Climate *R.I. COORDINATES - 467,000 FT. E, 185,000 FT. N.*

Parent material *understory*

Physiography

Relief Drainage Salt or alkali

Elevation Gr. water Stoniness

Slope Moisture

Aspect Root distrib.

Erosion

Permeability

Additional notes *Described in borrow pit of about 1/8 Ac size. Aprox 10% of pit wall is deep soil.*

Described by E. Stuart, B. Laskey

Horizon	Depth	Color		Texture	Structure	Consistence		Reaction	Bound-ary	
		Dry	Moist			Coarse fragments Dry	Moist			Roots Wet
A ₁	0-1"	10YR-2/2		SL	lfgr	5%	vfr	Common Fine Medium	4.4	as
B _{2,1}	1-13"	7.5YR-5/8		SL	IMgr	10%	fr		5.0	CS
B _{2,2}	13-20"	10YR-6/8		SL	lfgr	15%	fr	Common Fine	5.2	CS
C	20-24"	10YR-6/6		GLS	lfgr	25%	vfr		5.2	as
R	24-60"	—————→			Highly weathered bedrock					
								↑ Few fine roots to a depth of 40".		

Soil type

Hollis' fsl

File
No.

Soil type Hollis' fsl Date 4/19/76 Stop No. 5

Classification Lithic Dystrachrepts Area Carolina Block, R.I.

Location Carolina Mts Area - photo H-54

N. veg. (or crop) Wooded Climate

Parent material Glacial Till

Physiography Glaciated uplands

Relief Top of Hill Drainage SW Exe. Salt or alkali —

Elevation 180 Ft. Gr. water Deep Stoniness Class 1

Slope 2% Moisture Moist

Aspect Root distrib. A = many fine roots % Clay *

Erosion 0 B = many fine roots % Coarser than V.F.S. *

Permeability Moderately rapid

Additional notes Incipient A₁ (1/2 inch) developing in the upper part of the Ap horizon,

(written in block form)

Horizon	Depth (inches)	Color		Texture	Structure	Consistence			Reaction	Bound- ary
		Dry	Moist			Dry	Moist	Wet		
O2	1 1/2-0	Partially decomposed			litter ✓					
Ap	0-6	5% frag.	10YR 3/3 ✓	fs ✓	1 fgr ✓		✓ fr ✓		5.0 ✓	as ✓
B2	6-14	10% frag.	10YR 5/6 ✓	fs ✓	1 fsbk ✓ → 1 fgr		✓ fr ✓		5.2 ✓	✓
R	14+	Bedrock ✓								

Soil type	Hallis - fractured bedrock variant		Date	7/19/76	Stop No.	1
Classification	Typic Dystrachrept, loamy		Area	R.I.		
Location	skeletal, mixed mesic				Elev.	
N. veg. (or crop)	Red Cedar, Pin Cherry, Oak, Cottonwood		Climate			
Parent material	Thin loamy mantle over highly fractured bedrock					
Physiography	Bedrock controlled ground moraine					
Relief	gently sloping	Drainage	somewhat excessive	Salt or alkali	—	
Elevation	—	Gr. water	deep	Stoniness	non stony	
Slope	3%	Moisture	moist			
Aspect	S	Root distrib.				
Erosion	none apparent					
Permeability	mod. rapid above bedrock					
Additional notes	Pit dug to 2 feet by backhoe					
	samples discarded					

Soil type

Hallis, fractured bedrock

File No.

21

Horizon	Depth	Color		Texture	Structure	Consistence / Root			Reaction	Boundary
		Dry	Moist			% CF	Dry	Moist		
Ap	0-5		10YR 3/3	gs	lmgv	30%	fr	com firm	5.8	cur
B2	5-16		7.5YR 5/1	gs	l mabk	30%	fr	firm	5.8	cur
C	16-26		10YR 4/4	vgsl	m	80%	fr	few fine	5.6	cur
Cu	26-28	highly fractured gneiss		bedrock				ⓐ		
<p>Cu horizon is rippable w/ pieces mostly less than 2" long</p> <p>ⓐ few fine roots down larger vertical cracks spaced 2-12" apart.</p>										

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Location		E-36 SW corner		Elev.	
N. veg. (or crop)		Huckleberries, D. berries, wild oak		Climate	
Parent material					
Glacial fill					
Physiography					
Relief		Drainage		Salt or alkali	
Gently rolling		excessively			
Elevation		Gr. water		Stoniness	
		deep		Very stony	
Slope		Moisture			
6%					
Aspect		Root distrib.		% Clay *	
North					
Erosion		% Coarse fragments *		% Coarser than V.F.S. *	
Permeability					
Additional notes					
gneiss n schist					

Soil type
MOLLIS

File No.
4

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Classification		Hardly SHATTERED BEDROCK			
Location		E-36 SW corner		Elev.	
N. veg. (or crop)		Huckleberries, V. berries, wild oak		Climate	
Parent material					
Glacial fill					
Physiography					
Relief		Drainage		Salt or alkali	
Gently rolling		excessively			
Elevation		Gr. water		Stoniness	
		deep		Very stony	
Slope		Moisture			
6%					
Aspect		Root distrib.		% Clay *	
North					
Erosion		% Coarse fragments *		% Coarser than V.F.S. *	
Permeability					
Additional notes					
gneiss n schist					

Soil type
VOL 115

File No.
4

Soil type *Hollis variant* Date *8-31-76* Stop No.

Classification *Type 2, Dystricceptic, sandy loamy, mixed, 2X* Area

Location *Cronquist, Hudson Property, in roadcut along Biscuit Hill Rd. (trail) about 0.4 mile NW*

N. veg. (or crop) *UPLAND OAK* Climate *of Sct. with Maple Valley Rd.*

Parent material

Physiography

Relief Drainage *EXCESSIVELY* Salt or alkali

Elevation Gr. water Stoniness *EXT.*

Slope *16%* Moisture

Aspect *SOUTH* Root distrib. % Clay *

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

Permeability

Additional notes *DESCRIBED BY DEAN, EV, KRIS*

Woodland site

Soil type
Hollis variant
File No.
24

