

Soil type *KINCHELY* Date *12/2/75* Stop No.

Classification Area *Coventry off rail road TRAIL*

Location *2750' N.W. ON abandoned R.R. line From intersection of R.R. & Lewis FARM Rd.*

N. veg. (or crop) *Pitch Pine, White Oak, Little Blue* Climate

Parent material *Glacial OUTWASH* *stone*

Physiography

Relief Drainage *Excessively Well* Salt or alkali

Elevation *375'* Gr. water Stoniness

Slope *2%* Moisture

Aspect *South* Root distrib. % Clay *

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

Permeability

Additional notes

C. Ditzler & B. Parkey

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Soil type <i>Typic dpt</i>		Date	Stop No.
Classification <i>Hinckley</i>		Area <i>Photo R-4</i>	
Location		Elev.	
N. veg. (or crop) <i>White Pine, White Oak, Red Oak</i>		Climate <i>Pine</i>	
Parent material <i>Glacial outwash</i>			
Physiography			
Relief	Drainage	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope <i>14</i>	Moisture		
Aspect	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S. *	
Permeability			

Additional notes *Dale Sprankle, John Gagnon, Dean Lester*

Upland
Woodland site for *White Oak, White Pine*

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Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			C.F. %	Moist	ROOTS		
O ₁		Loose leaf matter, leaves, twigs + oak leaves (elms)								
A _p	0-4		10YR 3/3	SL	1fqz	10%	vfr	common fine	5.0	as
B ₂₁	4-9		10YR 5/6	gr SL	1fqz	20%	vfr	few fine	5.2	cw
B ₂₂	9-17		10YR 5/6	vqz LS	Single grained	60%	Loose	few fine	5.2	cw
C ₁	17-24		2.5Y 4/4	vqz S	Single grained	55%	Loose	few fine	5.2	as
C ₂	24-48		2.5Y 6/2	S	Single grained	10%	Loose	few fine	5.2	CS
C ₃	48-65		2.5Y 7/2	gr SL	Single grained	22%	Loose	no roots	5.2	

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Soil type		Date		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.		% Clay *		
Erosion		% Coarse fragments *		% Coarser than V.F.S. *	
Permeability					
Additional notes					
Sample 23+24		Pitch Pine Site			

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Partly	Moist	Wet		
Q1	2-0"									
A1	0-2		104R 3/2	SL	IFGe	CF	VFR	15%	4.8	AS
Ap	2-6		104R 4/4	gRLs	IFGe	CF	VFR	25%	5.0	A.S
B2L	6-9		104R 5/6	gRLs	IFGe	FF	VFR	35%	5.0	CW
B22	9-18	Sampled 23	104R 6/6	gRLs	Single g.2	FF	loose	40%	5.2	CW
C	18-60	Sampled 24	104R 6/4 med.	Cobbles quartzite sand	Single quartzite	-	loose	63.1%	5.2	
			Pitch Pine							

Cobble 20
quartzite

Soil type		Hinckley FSL	Date	8-7-69	Stop		
Classification		ENTIC Haploorthod	Area				DPT 3H-160
Location		400' N.W. of Junction of Capron-Stillwater Rd. Smithfield			Elev.		
N. veg. (or crop)		grass-IDLE	Climate				MESIC
Parent material		Granite, Gneiss, Schist					
Physiography		Terrace, Glacio-Fluvial					
Relief	bently Undulating	Drainage	Excessive		Salt or alkali	—	
Elevation		Gr. water	—		Stoniness	0	
Slope		Moisture	10				
Aspect		Root distrib.	Few fine in Ap + B				
Erosion							
Permeability	Moderate in Solon, Rapid in "C"						
Additional notes							

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DAIGLE

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
A _p	0-7"		10YR 3/2	FSL	1 fgr		mf. n.	6-8"	1%	as
B ₂	7-15"		10YR 5/6	FSL	1 fgr		mf. n.	4-8"	10%	CW
C ₁	15-37"	10YR 7/2-3		(1)	0.5g		ML	20-22"		
C ₂	37-71"	2.5Y 7/2-4/2 10YR 7/2-3 g.		C.S. (2)	0.5g		ML			
		(1) 60% F.g.	(2)	25% S.						
		30% Co.g.		25% F.g.						
		10% Cobbles		25% Co.g.						
				25% Cobbles						

Thick.
Range

Co-Ske

Soil type *Hinckley*

Date *9-23-74*

Stop No.

Soil type

Classification

Area

Location *Coventry - Between pond & dirt road which runs NE from Rt 117 at a*

N. veg. (or crop) *White pines*

Climate *Point 2200' west of jet of Town Farm Rd. #117*

Parent material

*In clump of W. Pines about 500' N. of Rt. 117
100' E. of pond.*

Physiography

Relief

Drainage *well drained*

Salt or alkali

Elevation *260'*

Gr. water

Stoniness *none*

Slope *2%*

Moisture

Aspect *W*

Root distrib.

Erosion

Permeability

Additional notes

Described for Woodland site index study

File No.

Soil type		Hinckley gr. S.L.	Date	10/23/74	Stop No.
Classification			Area	Hope Valley, Hopkinton, R.I.	
Location		Photo 8572 [H-48] 4,000' North on Old Nauseneck Hill rd from Shunk Hill rd.			
N. veg. (or crop)		White Pine	Climate		
Parent material Hope Valley Outwash					
Physiography					
Relief		Drainage		Excessively drained	
Elevation		140'	Gr. water		deep.
Slope		14%	Moisture		
Aspect		Northwest - 340°	Root distrib.		
Erosion					
Permeability Very fast					
Additional notes W. Pine forest - S.I. - 67. - average age - 50					

Soil type

File
No.

Soil type Hinckley fcl File No. _____

Area So Kingstown, Washington County R.I. Date 7/2/75 Stop No. 2

Classification sandy-skeletal, mixed, mesic

Location East edge of Truston Pond Wildlife refuge, 1000' south Matunok School House Rd.

N. veg. (or crop) _____ Climate 30' east of hedge

Parent material glacial outwash

Physiography moraine

Relief rolling Drainage excessive Salt or alkali _____

Elevation _____ Gr. water not found Stoniness _____

Slope 12% Moisture moist

Aspect SW Root distrib. _____ % Clay* _____

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

Permeability rapid

Additional notes described LW kick

JW kick

SOIL DESCRIPTION

* Control section average

Soil type	Hinchley gravelly sandy loam		Date	11/14/75	Stop No.	2
Classification	Typic Udorthents		Area	Carolina Block, R.I. (photo J-58)		
Location	Gravelly bank adj. to Pawcatuck River left of R.I. 112 in Carolina Village		Elev.	80		
N. veg. (or crop)	Old field		Climate	(Richmond)		
Parent material						
Physiography						
Relief	Strongly sloping	Drainage	Excessive	Salt or alkali	—	
Elevation		Gr. water	Very deep (>15 feet)	Stoniness	—	
Slope	18%	Moisture	Moist			
Aspect		Root distrib.	Many fine in A _p and B ₂₁ Common fine & medium in B ₂₂ - few fine & med in C _c			
Erosion	Slight					
Permeability	Very rapid					
Additional notes	Coarse fragments range from fine gravel to 4-8" diameter cobbles - typical of much of the Hinchley soils in this morainic area.					

Soil type	Hinckley		Date	27 May 76	Stop No.	
Classification			Area	Rhode Island Primrose block		
Location	Sheet 0-8, NW quadrant, N of North Smithfield High School,					(cont.)
N. veg. (or crop)	Forest oak, pine, maple, etc		Climate			
Parent material	Outwash					
Physiography	Near summit of narrow outwash ridge					
Relief	Normal	Drainage	SW excessive		Salt or alkali	None
Elevation	300'	Gr. water	None		Stoniness	Slightly stony
Slope	5% ; above 35% side slope		Moisture	Moist		
Aspect			Root distrib.	Abund. to 14"; plant. to 24"		% Clay *
Erosion	None		% Coarse fragments *	40		% Coarser than V.F.S. *
Permeability	Rapid					

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Additional notes Gravel, cobbles, and stones are well rounded in this profile. Hinckley in ice-marginal positions common in the Primrose block includes subrounded and subangular fragments and substantial content of stones. Sandy loam surface layer may be thicker than in this profile or absent. Content of (cont.)

Location

in high road cut on W side of R.I 104
between Grange Road and Follett Street
in 27 D delineation.

rock fragments is variable horizontally and
vertically on small scale. Non-skeletal
soils and even Windsor soils are included
in 27 C (and 27 D?) delineations.