

17A

Mick

Soil type Merrimac Date Stop No.

Classification Area

Location Ardway Av. Plat 332, Lots 266-267, 268, 269, 270, Warwick

N. veg. (or crop) Climate

Parent material

Physiography

Relief Drainage Salt or alkali

Elevation Gr. water 4" Stoniness

Slope Moisture

Aspect Root distrib.

Erosion

Permeability fast

Additional notes

Soil type

File No.



Soil type		Merrimack FSI	Date	5/12/70	Stop
Classification		Co. 2 over S. Skel		Area	Barrington DP6 64-89
Location		E. end of St. Andrews sch. 75' N. of Fed. Rd. opposite			Elev.
N. veg. (or crop)		Hay pr + clover		Climate	Barrington N.S.
Parent material		~10% Dark gravel (Shale - Slate)			
Physiography		Terrace Glacio-fluvial			
Relief	level	Drainage	well	Salt or alkali	
Elevation		Gr. water	-	Stoniness	
Slope	A	Moisture			
Aspect		Root distrib.			
Erosion					
Permeability					
Additional notes					

Soil type

File  
No.



Soil type

File  
No.

Soil type		Merrimack	Date	8-20-71	Stop	
Classification			Entic Haplorthods		Area	N. Kingstown photo Q-56
Location					West edge of deep RR cut, 2800 ft. North of Dry Bridge Rd. Elev.	
N. veg. (or crop)			grass + pitch pine		Climate	
Parent material						
glacial outwash						
Physiography						
knobs of gravel - at edge of extensive area of Bridgehampton						
Relief		Drainage			Salt or alkali	
		excessive				
Elevation		Gr. water			Stoniness	
		-				
Slope		Moisture				
1-2%		moist				
Aspect		Root distrib.				
SW						
Erosion						
Permeability						
Additional notes						

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		<del>dry</del> COARSE FRAGS.	Moist			Dry	Moist	Roots Wet		
AP	0-5"	2-3%	10YR 4/4	sil	1fgr		fr	many fine + med.		AS
B21	5-10"	5-8% granitic predominant	10YR 6/6	fsl	1fgr		vfr	few fine		CS
B3	10-16"	15-25% granitic 10% dark	10YR 5/6	gsf	sg		l	few fine		CS
C1	16-24"	20% granitic 10% dark	2.5Y 5/4	S	sg		l	-		CS
C2	24-40"	20% granitic 20% dark	2.5Y 4/4	g	sg		l	-		↑ ?
28-32" bands of sil mixed in with the gravel										
coarse frags in C2 range up to 6"										

Soil type *MERRIMAC FSL* Date *3-20-73* Stop No.

Classification *Entic Haploethod* Area

Location *Borrow Pit At south end of DYER ST.* *N. END OF BORROW PIT 50 FT. EAST OF DYER ST. N. KINGSTOWN*

N. veg. (or crop) *FOREST (OAK)* Climate

Parent material *GLACIAL FLUVIAL OUTWASH*

Physiography *GLACIAL OUTWASH PLAIN*

Relief Drainage Salt or alkali

Elevation Gr. water Stoniness

Slope *0-1%* Moisture

Aspect *South* Root distrib.

Erosion

Permeability

Additional notes

*STUART & TOWNSEND*

*DYER ST. RUNS SOUTHERLY OFF R. 403 AT A POINT SOUTHWEST OF PENN CENTRAL R.R. TRACKS*

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			ROOTS	Dry	Moist		
O1	2-1"									
O2	1-0"									
A1	0-2"		10YR 3/2	FSL	1 M Gr	Many Fine	FR.	2%	4.6	A.S.
B2 hie	2-3"		7.5YR 3/2	FSL	1 F Gr	"	FR.	2%	4.6	AW
B21	3-6		7.5YR 4/4	FSL	1 F Gr.	"	V. Fr.	2%	4.8	CS
B22	6-15		10YR 4/4	FSL	1 F Gr.	com FINE MED	V. Fr.	12%	4.8	GS
B23	15-18		10YR 5/4	SL	1 F Gr.	"	V Fr.	20%	4.8	CS
C1	18-25		2.5Y 4/4	Gravelly SL	1 M Gr.	Few FINE	V FR	40%	5.0	GS
C2	25+		2.5Y 5/4	Gravelly COS	S.G.	"		30%		



Soil type <u>Merrimac s1</u>		Date <u>6-18-73</u>	Stop No.
Classification		Area	
Location <u>TOWN of EXETER - Road cut on west side of Mt. TOM Road. About 375' N. of Paris Brook</u>			
N. veg. (or crop) <u>scrub oak, pitch pine</u>		Climate <u>And 300' S. of BLITZKRIEG Trail</u>	
Parent material <u>glacio - fluvial outwash</u>			
Physiography <u>steep, narrow ridge</u>			
Relief	Drainage	Salt or alkali	
Elevation	Gr. water	Stoniness <u>none</u>	
Slope <u>40% (measured)</u>	Moisture		
Aspect <u>East</u>	Root distrib.		
Erosion			
Permeability			
Additional notes <u>Typical of much of the outwash in the <sup>Arcaidia</sup> area - i.e. has sandy loam (bordering ls) to a depth of 30-36" before changing to loamy sand. (outside the range of Merrimac as of 6-18-73)</u>			
<u>(described by E. STUART)</u>			

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Bound-ary
		<del>Dry</del> Coarse frags.	Moist			<del>Dry</del> Roots	Moist	Wet		
O1	2-1"	Partially decomposed leaves and twigs								
O2	1-0"	largely decomposed			"	"	"			
A1	0-5"	5%	10YR 3/3	sl	none	Common fine	vfr			CS
B21	5"-16"	10%	7.5YR 5/6	sl	none	Common fine & med.	vfr			gs
B22	16-27	25%	7.5YR 5/6	sl	weak massive	few med.	fr			gs
B3	27-34	30%	10YR 5/6	sl	weak massive	few med.	fr			CS
C1	34-48	40%	10YR 6/6	gls	single grain	few fine	vfr			

Soil type Merrimac sandy loam

File No.

Area Town of South Kingstown, Washington Co, R.I

Date Oct. 1, 1975

Stop No. 8

Classification Typic Dystrochrepts; sandy, mixed, mesic

Location 1/4 mi. S. of Schoolhouse Rd; 300' N. of Green Hill Pond, 1/8 mi. E. of Charlestown town line

N. veg. (or crop) Red cedar, wild cherry, white oak, Compositae spp, grasses

Climate

Parent material Glacial outwash

Physiography Glacio-fluvial plain

Relief nearly level

Drainage Somewhat excessive

Salt or alkali

Elevation 10'

Gr. water —

Stoniness

Slope nearly level

Moisture moist

Aspect —

Root distrib.

% Clay\*

Erosion —

% Coarse fragments \* —

% Coarser than V.F.S. \*

Permeability mod rapid in solum, very rapid below

Additional notes Varies considerably in thickness of B horizon and in percent of coarse fragments. Areas mapped are probably a complex of Merrimac, Hinckley, and Windsor - though no good pedons of Windsor were seen.

\* Control section average

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary	Roots	Pores	Co. Fragments
		Dry	Moist			Dry	Moist	Wet					
A <sub>p</sub>	0-8"		very dark grayish brown 10YR 3/2	sandy loam	2-fgr.		very friable		5.0	abrupt & smooth	many fine	—	10% gravel
B <sub>2</sub>	8-20"		dark yellowish brown 10YR 4/4	gravelly sandy loam	1-co.gr.		friable		5.2	clear & wavy	common	—	20% gravel
IIc	20-50"		brown 10YR 5/3	gravelly sand	single grain		loose		5.4	—	few	—	35% gravel

200  
 700  
 30 | 900  
 30

EM

Soil type

File No.

Soil type Merrimack sl Date 6-2-75 Stop No.

Classification Area TOWN OF W. Greenwich

Location W. bank of gravel pit ~300' N of Robin Hollow Rd. 1000' W. of I-95

N. veg. (or crop) Wh. Oak & Wh. Pine, Am. Chestnut Climate R.I. Grid - 458,800 ft. E, 196,500 ft. N.

Parent material stratified glacial drift

Physiography

Relief Drainage Salt or alkali

Elevation Gr. water Stoniness few

Slope 2% Moisture

Aspect E Root distrib.

Erosion

Permeability

Additional notes

Described by B. Laskey, & E. Stuart



Soil type <i>Merriam</i>		Date <i>6-5-75</i>	Stop No.
Classification		Area <i>New London Turnpike Exposed</i>	
Location <i>1000 ft N. of RT. 102 along New London Turnpike.</i>			
N. veg. (or crop) <i>oak-white pine</i>		Climate	
Parent material			
Physiography			
Relief		Drainage	Salt or alkali
Elevation		Gr. water	Stoniness <i>None</i>
Slope <i>4%</i>		Moisture	
Aspect		Root distrib.	
Erosion			
Permeability			
Additional notes			

Soil type

File  
No.





Soil type <b>Merrimack</b>		Date <b>7-15-75</b>	Stop No.
Classification		Area <b>TOWN OF RICHMOND</b>	
Location <b>150' East of Hop Valley Road, with N. edge of Chariba School Bldg.</b>		Elev.	
N. veg. (or crop) <b>Pitch Pine, W. oak</b>		Climate	
Parent material <b>stratified glacial drift</b>			
Physiography			
Relief	Drainage <b>well</b>	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope <b>0%</b>	Moisture		
Aspect <b>-</b>	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S.*	
Permeability			
Additional notes <b>Sil packets (high chroma) at a depth of 15-24 inches visible on one side of pit possible</b>			
<b>This a soil woodland site index plot for pitch pine</b>			

Soil type

File No.



Soil type	Merrimac sandy loam	Date	11/11/75	Stop No.	4
Classification	Typic Dystrachrepts	Area	Carolina Block, R.I. (photo 5-58)	Elev.	91
Location	Bank adjacent to Carolina Vol. Fire Assoc, Rt 112, Carolina, R.I.				
N. veg. (or crop)	Forested (old field)	Climate			
Parent material					
Physiography					
Relief	Level to gently sloping	Drainage	Somewhat excessive	Salt or alkali	—
Elevation		Gr. water	Very deep (> 10 feet)	Stoniness	—
Slope	2%	Moisture	Moist		
Aspect		Root distrib.	many fine in Ap - common fine & med. in B21, B22 Few, fine in B23 and IIc		
Erosion	slight				
Permeability	Moderately Rapid				
Additional notes					

Soil type

File No.

Horizon	Depth (inches)	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
Ap	0-7	5% gravel	10YR 3/3	sl	1 fgr		vfr		5.0	as
B21	7-18	10% gravel	10YR 5/6	sl	1 fgr		vfr		5.0	cw
B22	18-24	20% gravel	10YR 6/8	gsl	1 fgr → SG		vfr		5.0	cw
B23	24-30	30% gravel	2.5Y 6/6	gls	SG		loose		5.2	cw
TIC	30-48+	5 stratified sstg gravel 1/8"-3/4" in diameter	5Y 6/3	vgs	SG		loose		5.4	

Soil type <u>MERRIMAC</u>		Date <u>12/2/75</u>	Stop No.
Classification		Area <u>Coventry</u>	
Location <u>500' N.W. ON ABANDONED R.R. LINE FROM INTERSECTION OF R.R. &amp; LEWIS FARM RD.</u>			
N. veg. (or crop) <u>Pitch Pine, Scrub Oak, grey birch, little blue stem</u>		Climate	
Parent material <u>out wash</u>			
Physiography			
Relief	Drainage <u>well DRAINED</u>	Salt or alkali	
Elevation <u>375'</u>	Gr. water	Stoniness <u>&lt; 1%</u>	
Slope <u>2%</u>	Moisture		
Aspect	Root distrib.		
Erosion			
Permeability			
Additional notes			

Soil type

File No.

C. Ditzler &amp; B. Lasbey



Soil type	Merrimac		Date	27 May 76	Stop No.
Classification			Area	Rhodo Island Primrose block	
Location	Sheet O-8, NW quadrant, N of North Smithfield High School.				(cont.)
N. veg. (or crop)	Forest oak, pine, hickory, maple, etc.		Climate		
Parent material	Outwash				
Physiography	Outwash plain				
Relief	Normal	Drainage	Good	Salt or alkali	None
Elevation	180'	Gr. water	None	Stoniness	Nonstony
Slope	3%	Moisture	Moist		
Aspect	Root distrib. Abund. to 12"; plant. to 25"		% Clay *		
Erosion	None	% Coarse fragments* 25		% Coarser than V.F.S.*	
Permeability	Moderately rapid				
Additional notes	This profile marginal to Sudbury and is more olive than typical. Content of gravel and cobbles is variable; also depth to sandy material. Delineations of 17A and 17B include substantial coarse-loamy and loamy skeletal soils. Stony soils are included in valley margin positions. (cont.)				





## Location

W of R.I. 104 NW of junction with  
G-range Road, in 17B delineation.

W of ridge delineated as 27D.

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Inclusions of *Hinckley* and

*Agassiz* are common.

Soil type <u>Merrimac</u>		Date <u>8/11/76</u>	Stop No.
Classification		Area	
Location <u>NE of Tel. Pole # 1440</u>		<u>Kanyon Hill Trail, Richmond, R.I.</u>	
N. veg. (or crop) <u>W. Pine, W. &amp; Red Oak Pitch pine</u>		Elev.	
Parent material <u>Glacio-fluvial outwash</u>		Climate	
Physiography <u>Kame &amp; Kettle</u>			
Relief	Drainage <u>Well</u>	Salt or alkali	
Elevation	Gr. water	Stoniness <u>0</u>	
Slope <u>2%</u>	Moisture		
Aspect <u>SSE</u>	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S.*	
Permeability			
Additional notes <u>? Upland Oak, Pitch Pine &amp; White pine for woodland site</u>			
<u>Described by D. Rector, E. Stuart, A. Rainc, K. Atwood</u>			

Soil type

File No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			<del>ROOTS</del>	Moist	<del>CF</del>		
O <sub>1</sub>	2-1	leaves + twigs								
O <sub>2</sub>	1-0	partially decomposed organic matter								
A <sub>1</sub>	0-1		10YR 2/1	fsl	1fgr	Commonly finer	vfr	0	4.8	as
A <sub>p</sub>	1-6	sampled	7.5YR 3/2	sl	1fgr	common fine + med	vfr	3%	5.2	as
B <sub>21</sub>	6-10		7.5YR 4/4	gr sl	1 + gr <del>gr</del>	Common finer med	vfr	<del>25%</del> 25%	5.0	clw
B <sub>22</sub>	10-14		7.5YR 5/6	gr ls	single <del>gr</del>	few fine	vfr loose	<del>30%</del> 30%	5.0	clw
B <sub>3</sub>	14-19	sampled	10YR 5/4	gr ls	single drain	few fine	loose	35%	4.8	clw
IC	19-60		10YR 6/4	gr ls	loose	few fine	single drain	45%	4.8	

X

Soil type

Mesquima

File No.

11

Soil type <i>Mesquima SANDY/AM</i>		Date <i>8/16/76</i>	Stop No. <i>2</i>
Classification		Area	
Location			Elev.
N. veg. (or crop) <i>upland oak, white pine</i>		Climate	
Parent material <i>outwash</i>			
Physiography			
Relief	Drainage <i>well</i>	Salt or alkali	
Elevation	Gr. water <i>none</i>	Stoniness <i>0</i>	
Slope <i>0-1%</i>	Moisture		
Aspect	Root distrib.	% Clay *	
Erosion	% Coarse fragments *	% Coarser than V.F.S.*	
Permeability			
Additional notes			
<i>SAMPLES #1 + #2</i>			
<i>Sprinkler Ditzler</i>			

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		<del>0% c.f.</del> Dry	Moist			<del>Wet</del> Moist	Moist	<del>Wet</del> Wet		
O <sub>1</sub>	2-1									
O <sub>2</sub>	1-2									
A <sub>p</sub>	0-8	<2%	10YR 4/3	sl	1A <sub>gr</sub>	fr	MF	5.0	a.s	
B <sub>21</sub>	8-12	<2%	10YR 5/6	sl	1A <sub>sbk</sub>	fr	ff	5.0	c.s	
B <sub>22</sub>	12-17	<2%	10YR 4/6	sl	1A <sub>sbk</sub>	fr	ff	5.0	c.s	
B <sub>23</sub>	17-25	2%	10YR 5/6	sl	1A <sub>sbk</sub>	fr	ff	5.0	c.w	
<sup>2</sup> C	25-60	30%	2.5Y 6/4	grs			-	5.2		

17A

Mick

Soil type Merrimac Date Stop No.

Classification Area

Location Ardway Av. Plat 332, Lots 266-267, 268, 269, 270, Warwick

N. veg. (or crop) Climate

Parent material

Physiography

Relief Drainage Salt or alkali

Elevation Gr. water 4" Stoniness

Slope Moisture

Aspect Root distrib.

Erosion

Permeability fast

Additional notes

Soil type

File No.

