

Soil type Canton  
~~Charlton~~ fsl.

File No.

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

Date July 11, 1975

Stop No. 3

Classification Typic Dystrachrepts, coarse-loamy, mixed, mesic

Location 50 ft. east of west boundary of Truston Pond wildlife refuge, east of east edge of Green Hill development

N. veg. (or crop) Highbush blueberry, dogwood, wildcherry, goldenrod, <sup>green brier,</sup> raspberry, Climate

Parent material Glacial till from granite.

Physiography Low till plain

Relief undulating

Drainage Well drained

Salt or alkali

Elevation

Gr. water Low - not encountered.

Stoniness very stony - frequent boulders

Slope 5%

Moisture Low - seldom barely moist

Aspect East

Root distrib. See description

% Clay\* < 3%

Erosion None evident.

% Coarse fragments \* "

% Coarser than V.F.S. \* > 60%

Permeability Moderately rapid throughout (estimate)

Additional notes The C horizon lacks the degree of firmness and brittleness needed for a Cx.

Occasional pockets of very fine sandy loam material in the B22 horizon.

One side of pit had a discontinuous lens of 75YR5/9 gsl at 28-32"

Described by Bill Kick

\* Control section average

40XB

Canton  
Chaetum ComplexSoil type *Canton*Date *5-24-73*

Stop No.

Classification *Entic Haploorthod*

Area

Location *Bald Hill - Arcadia Management Area / 500 Ft. N.W. of N.W. corner of Loop trail*N. veg. (or crop) *Forested (white pine)*

Climate

Parent material *Glacial till*

Physiography

Relief

Drainage

Salt or alkali

Elevation

Gr. water

Stoniness *"very stony"*Slope *8%*

Moisture

Aspect *North*

Root distrib.

Erosion *none to slight*

Permeability

Additional notes *site located 3 3/4" east and 4 3/4" south of Top left hand corner of photo H-44 (1970 Flight)*

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		<del>Dry</del> Roots	Moist			Dry	Moist	<del>Wet</del> Frag.		
A <sub>1</sub>	0-2	many fine	10YR <sup>3</sup> / <sub>1</sub>	Fs/	lfgr	—	mvfr	5%	—	as
B <sub>21</sub>	2-4	many fine	10YR <sup>4</sup> / <sub>3</sub>	Fs/	lfgr	—	mvfr	10%	—	cs
B <sub>22</sub>	4-12	Common med. & Coarse	7.5YR <sup>5</sup> / <sub>6</sub>	Fs/	lfgr	—	mvfr	15%	—	gw
B <sub>23</sub>	12-22	Common med. & Coarse	10YR <sup>5</sup> / <sub>6</sub>	sl	massive	—	mvfr	20%	—	aw
IIc <sub>1</sub>	22-32	few fine	5Y <sup>5</sup> / <sub>2</sub>	gls	massive	—	mvfr	40%	—	gw
IIc <sub>2</sub>	32-48	few fine	5Y <sup>5</sup> / <sub>3</sub>	gls	massive	—	mvfr	45%	—	—

IIc horizons have silt pockets in abundance ranging in size from 1 to 15 mm. Coarse fragments > 2 mm are coated with silt caps with the fine earth fraction being very sandy.

Canton - Chaelton Fsl  
40XB

Soil type "Canton"		Date 6-7-73	Stop No.
Classification		Area Exeter - Close to W. Green. town line	
Location N.E. corner of intersection of Frosty Hollow Rd. & Plain Rd. (Arcadia) MGT. Area			
N. veg. (or crop) white Pine & oak forest		Climate	
Parent material Glacial till			
Physiography			
Relief	Drainage well drained	Salt or alkali	
Elevation	Gr. water	Stoniness very stony (40XB)	
Slope 6%	Moisture		
Aspect South west	Root distrib.		
Erosion			
Permeability			
Additional notes 10 feet northeast of intersection of Frosty Hollow Rd. and Plain Rd. in Arcadia Management Area, Exeter, R.I. "Photo H-42"			

Soil type Canton / Chaelton / Complex

File No.

Description by Townsend, M.A.

Horizon	Depth "inches"	Color		Texture	Structure	Consistence			Reaction	Bound-ary
		<del>Dry</del> "Names"	Moist			<del>Dry</del> C.F.	Moist	<del>Wet</del> Roots		
A1	0-3	dark brown	10YR $\frac{3}{3}$	Fsl	lfgr	5%	mvfr	many fine	4.8	as
B21	3-10	dark yellowish brown	10YR $\frac{4}{4}$	fsl	lfgr	5%	mvfr	many fine	4.8	gs
B22	10-17	yellowish brown	10YR $\frac{5}{4}$	fsl	massive	6%	mvfr	Common fine	4.8	gs
B23	17-22	light olive brown	2.5Y $\frac{5}{4}$	sl	massive	8%	mvfr	few medium	5.0	zw
IIc1	22-32	olive gray	5Y $\frac{5}{2}$	gls	single grain	30%	ml	few coarse	5.0	gw
IIc2	32-46	light olive gray	5Y $\frac{6}{2}$	gls	single grain	35%	ml	few coarse	5.2	—

Abundance of "rotten rock" starting at a depth of about 42", appears to be deteriorating granite. Approx. 80% of coarse fragments have silt coatings around them.

Soil type *Canton fine sandy loam*Date *11/11/75*Stop No. *3*Classification *Typic Dystrachnepts*Area *Caroline Block, R.I. (photo I-52)*Location *Pit (2x8x5) off northern end of Meadowbrook Trail 3/4 mile South of R.I. 138*Elev. *90*N. veg. (or crop) *Forested*

Climate

Parent material

Physiography

Relief *Gently sloping*Drainage *Well drained*Salt or alkali *-*

Elevation

Gr. water *Deep (> 6 feet)*Stoniness *Class 2*Slope *5%*Moisture *Moist*

Aspect

Root distrib. *many fine A<sub>1</sub>, B<sub>21</sub> many fine & medium  
B<sub>22</sub> many med. & large - C few fine*Erosion *Slight*Permeability *Moderately Rapid*Additional notes *Coarse fragments are mainly granitic pebbles and cobbles. Some porphyritic granite in C horizon. Many pebbles have silt coatings. Considered water worked till.*

Horizon	Depth (inches)	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet		
O <sub>2</sub>	2-0	leaf and root litter, partially decomposed		10YR 2/1					4.6	aw
A <sub>1</sub>	0-5	2% coarse frag.		10YR 3/2	fsl	1vfr	vfr		5.0	cw
B <sub>21</sub>	5-19	10%	" "	7.5YR 5/8	fsl	1f+m sbk clods	vfr		5.2	gw
B <sub>22</sub>	19-33	15-20%	" "	10YR 4/4	fsl	1m+a sbk clods	fr		5.2	aw
ILC	33-54+30%	" "	" "	2.5Y 5/4	gls	Massive	fr		5.2	