

Soil type <u>Sudbury</u>		Date <u>8/6/76</u>	Stop No. <u>2</u>
Classification		Area	
Location			
N. veg. (or crop) <u>Pitch Pine, White Cherry, Golden</u>		Climate	
Parent material <u>rocks, Red Cedar, Blueberry</u>			
Physiography			
Relief	Drainage <u>Moderate</u>	Salt or alkali	
Elevation	Gr. water	Stoniness	
Slope <u>0%</u>	Moisture		
Aspect <u>0%</u>	Root distrib.		
Erosion			
Permeability			
Additional notes			

Soil type

File  
No.

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry MOTTLES	Moist			% Dry	Moist	Wet		
O <sub>1</sub>	2-1"									
O <sub>2</sub>	1-0"									
A <sub>p</sub>	0-8"		10YR 3/1	SL	lfgr	2%	Fr	Many fine	5.0	As
B <sub>21</sub>	8-12"		10YR 4/4	SL	lm sbk	2%	Fr	Common fine	5.4	Cw
B <sub>22</sub>	12-17"	1fp	7.5YR 5/6 10YR 5/6	SL	lf sbk	2%	Fr.	Few fine	5.4	Cw
B <sub>23</sub>	17-23"	Common medium 10YR 5/3	7.5YR 5/8 10YR 5/6	SL	lm sbk	10%	Fr	Fine fine	5.4	Cw
C.	23-60"	Few medium 5YR 4/6	10YR 5/2	SL	Massive	15%	Fi	—	5.4	—



Soil type

SUDBURY

File No.

19

Soil type \_\_\_\_\_ Date \_\_\_\_\_ Stop No. \_\_\_\_\_

Classification Sudbury Sandy Loam Area \_\_\_\_\_Location North of Yawps Pond Rd in So. Kings town Photo # m-58  $\frac{1}{2}$  mi E Yawps PondN. veg. (or crop) Pitch Pine + White Oak 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 Reator, John Gagnon

\_\_\_\_\_

Pitch Pine + White Oak SiteSamples 25+26\* Control section average Woodland SITE #30 USDA-SCS

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Bound-ary
		Dry	Moist			Dry	Moist	Wet		
O <sub>1</sub>	2-1		2.5Y-0	SL	1 fgr	0	vfr	cf	5.0	as
O <sub>2</sub>	1-0		2.5Y-0	SL	1 fgr	0	vfr	cf	5.0	as
A <sub>1</sub>	0-2		2.5Y-0	SL	1 fgr	0	vfr	cf	5.0	as
A <sub>p</sub>	2-6		10YR 3/3	SL	1 f sbk	45%	fr	ff+ cm	5.0	as
B <sub>21</sub>	6-15	25	10YR 4/4	SL	1 msbk	5%	fr	ff	5.2	cw
B <sub>22</sub>	15-21	10YR 5/3 f 1 f	10YR 5/6	SL	1 msbk	5%	fr	ff	5.2	cw
B <sub>23</sub>	21-30	f 10 2.5Y 5/2 c 20 7.5YR 5/6	10YR 5/4	LS	1 msbk	10%	fr	ff	5.2	as
II C <sub>1</sub>	30-33	f 10 5YR 5/8	10YR 5/4	grs	Loose	20%	sgf	none	5.2	cw
II C <sub>1</sub>	33-60	20 Lenses of 2.5YR 5/6	10YR 5/6	grs	Loose	40%	sgf	none	5.2	cw

SOIL DESCRIPTION

Soil type *Sudbury sandy loam*

File No.

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

Date *Oct. 1, 1975*

Stop No. *9*

Classification *Aquic(?) Dystrachrepts; sandy, mixed, mesic*

Location *1/4 mi South of School House Rd, 1/4 mi East of Charlestown town line, 1/8 mile North of Green Hill Pond*

N. veg. (or crop) *Red maple overstory; poison ivy, Fraxus spp. understory* Climate

Parent material *Glacial outwash*

Physiography *Glacio-Fluvial plain*

Relief *nearly level - lower area in association w/merrimack* Drainage *Mod. well*

Salt or alkali

Elevation *6'* Gr. water *Not in pit - inclusion of ponded area nearby*

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

\* Control section average



Soil type	Sudbury		Date	9 Nov 75	Stop No.
Classification			Area	Rhode Island	Primrose block
Location	Sheet N-8, NW quadrant, NE of R.I. 7, S of old railroad line (Cont.)				
N. veg. (or crop)	Forest white pine, oaks, etc.		Climate		
Parent material	Outwash				
Physiography	Low area within mosaic of rock knolls, bogs, outwash knolls				
Relief	Subnormal	Drainage	Moderately good	Salt or alkali	None
Elevation	290'	Gr. water	> 32"	Stoniness	Nonstony
Slope	10%	Moisture	Moist		
Aspect	Root distrib.		Abund. to 12"; Plent. to 20"	% Clay *	
Erosion	None	% Coarse fragments *	20%	% Coarser than V.F.S. *	
Permeability	Moderately rapid				
Additional notes	Sudbury commonly in complex mosaic with Merrimac or Hinckley and Walpole. Content of gravel and cobbles and thickness of s/l over ls or s quite variable. This profile probably higher in gravel in upper pratile than typical.				

Soil type  
Sudbury  
File No.

Horizon	Depth inches	Color		Texture	Structure	Consistence			Reaction	Bound- ary
		<del>Dry</del> Mottles	Moist			<del>Grnd Dry</del> %	Moist	Wet		
O1	1-0		10YR 2/2							ss
A1	0-5		10YR 3/2	sl	1 vfr sbk	5	vfr	po ss	4.8	cu
B2	5-12		10YR 5/4	gr sl	0	15	vfr	po ss	4.8	gu
C1	12-20	common faint fine	2.5Y 5/4	gr sl	0	20	vfr	po so	4.8	gu
		(plus 10% 2.5Y 6/2 and 10YR 5/6)								
C2	20-32	+ common faint fine	2.5Y 5/4	gr ls	0	20	vfr	po so	5.0	
Excavation		limited by cobbles								



Soil type	Sudbury fs/		Date	4/20/76	Stop No.	3
Classification	Aquic Dystrachrepts		Area	Carolina Black, R.T.		
Location	Carolina Mt. Area on photo no. H-52					
N. veg. (or crop)	Wooded		Climate			
Parent material	Glacial outwash					
Physiography	Outwash plains					
Relief	Slight depression	Drainage	MWD	Salt or alkali	-	
Elevation	90 FT	Gr. water	75 FT	Stoniness	Class 1	
Slope	4%	Moisture	Moist			
Aspect		Root distrib.	A <sub>1</sub> many fine & med B <sub>1</sub> common finest med B <sub>2</sub> few fine and med II C few	% Clay *		
Erosion	-	% Coarse fragments	II C few	% Coarser than V.F.S. *		
Permeability	Mod. rapid above gravel layer					
Additional notes						

Soil type  
Sudbury fs/

File No.  
107  
50746E

Coarse fragments: 2% in A<sub>1</sub>; 5% in B<sub>21</sub> and B<sub>22</sub>; 25-30% in upper II C grading to 35%+ in lower II C

Horizon	Depth (inches)	Color		Texture	Structure	Consistence			Reaction	Bound-ary
		Dry	Moist			Dry	Moist	Wet		
01	3-1	Fresh Litter								
02	1-0	Partially decomposed Litter								
A1	0-5		10YR 3/3	Fs/	1 fgr		vfr		5.0	GW
B21	5-15	<sup>fragments of</sup> A1-10YR 3/3 in clay pan	10YR 5/6	Fs/	1 ms blk → 1 fgr		vfr		5.2	GW
B22	15-21	p.f. - 7.5YR 5/8 off	2.5Y 5/4	Gr fs/	massive → 1 ms blk		fr		5.4	GW
II C	21-52	cid-10YR 4/2 off	2.5Y 6/6	Gr S	sq		Loose		5.4	

Soil type \_\_\_\_\_ Date 8-26-76 Stop No. \_\_\_\_\_

Classification Sudbury Area RT-3

Location 40 mi N of Maple Rte. Drive East of RT 3 M-42

N. veg. (or crop) White, pitch pine, red maple Climate \_\_\_\_\_

Parent material Glacisburg

Physiography \_\_\_\_\_

Relief \_\_\_\_\_ Drainage Mod. Salt or alkali \_\_\_\_\_

Elevation \_\_\_\_\_ Gr. water 40" Stoniness None

Slope 2% Moisture \_\_\_\_\_

Aspect South Root distrib. \_\_\_\_\_ % Clay \* \_\_\_\_\_

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

Permeability \_\_\_\_\_

Additional notes White Pine & Pitch pine wood land site.

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SOIL DESCRIPTION SCS-Soils-232D, Rev.12-70 \* Control section average Woodland Site #31 USDA-SCS

Soil type  
Sudbury  
File No. 20

Horizon	Depth	Color		Texture	Structure	Consistence			Reaction	Boundary
		Dry	Moist			Dry	Moist	Wet C.F.		
01	2-1	loose leave matter								
02	1-0	partially decomposed forest litter								
AP	0-6		10YR 3/3	sl	1f sbk	vfr	5	5.0	AS	
B21	6-9		10YR 4/4	sl	1f sbk	vfr	10	5.2	CW	
B22	9-14	1f1	10YR 5/4 2.5Y 5/3	ls	1f sbk	vfr	15	5.2	CW	
B3	14-19	1m2 3M2	10YR 5/4 2.5YR 5/4 2.5Y 5/2	ls	1f sbk	vfr	18	5.2	GW	
C1	19-42	3M3	2.5Y 6/2 2.5YR 6/3	gs	1	sg	22	5.2	AS	
C2	42-60		2.5Y 7/5	s	1	sg	0	5.2		