

2004

Recommendations for Future Restoration and Management Efforts for Mill Brook, Westbrook, Maine: Appendix A. Mill Brook Survey Data

Casco Bay Estuary Partnership

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Team 1

Habitat Data Entry Sheet (2003)			Date: 2/5/10		Crew: JM - Jeff - DP		File #: D07314A		Page: 1									
Drainage: Mesquimud			Subdrainage: Mill Brook		Trib:													
River Temp: 18			Time: 0:40		Start location: behind Westbrooke Pond		Stream flow:											
Starting UTM(E): 390995			Starting UTM(N): 4841786		End UTM(E): 390904		(N): 4840950											
Hrd pt	Rivpt	Len (ft)	WET W(yds)	Wet W(ft)	DRY W(yds)	Dry W(ft)	Hab type	% Grad	Substrate	Spawn %	Spn Q	Spn Pch	Fry%	Avg. Dep (ft)	Max Dep (ft)	Lg Wood	Canopy (%)	Pool W
	1			32		34												
	2	254'		24		29	Run	-	Cob/sand				40	1'	1.3	2	75-100	
	3	150'		17'		27	Glide	-	Sand/Lg Boulder				0	1.9'	2.5'	3	75-100	
	4	168'		35'		36	Riffle	1	Lg Bould/Sand				40	1.2	1.5	2	75-100	
	5	163'		29'		36	Glide	-	Sm Bould/Sand				0	1.5	1.9	1	75-100	
	6	100'		29'		36	Riff		Sm Bld/Sand				40	0.8	1.3	0	75-100	
	7	20'		42		42	Falls	8	Ledge/Lg Bld				20	1.8	3.0	0	50-75	
	8	404'		32'		37	Rif	0.5	Cob/Grav/Sand				40	1.0	2.0	1	75-100	
	9	135'		17'		30	Glide	-	Cob/Sand/Grav				0	1.3	1.4	4	75-100	
	10	163'		24		30	Riff	0.5	Gravel/Sand				20	0.8	1.4	6	75-100	
	11	160'		21'		23	Run		Pea Grav/Sand				0	0.4	2.0	6	75-100	
	12	167'		22'		22	Glide						0	2.4	3.0	15	75-100	
	13	45'		21'		25	Pool		Sand/fines				0	3.0	4.4	2	75-100	35
	14	376'		25'		26	Run		Sand/Pea Grav/Cobble				0	0.6	1.0	16	75-100	
	15	190'		15'		18	Glide		Sand/Fines				0	1.6	2.8	25	50-75	
	16	401'		36'	46'	36	Run		Pea Gravel/Sand				0	0.6	2.0	6	50-75	
	17	351'		23'		28	Glide		Sand/Fines/Gravel				0	0.7	1.5	5	50-75	
	18	273'		25'		28	Glide		Sand/Pea Grav				0	1.2	2.1	3	75-100	

Team 1

Rivpt				
2	Snowmobile bridge	@ RIVPT 2		
8	(just downstream of 8)	→ small trib, riv/eff,	15°C,	2' wide
9	(135' downstream of RIVPT 9)	- ATV trail		
11	(just upstream of RIVPT 11)	tentsite		
11	(just 100' downstream of RIVPT 11)		16°C,	1ft wide, trib RIV LFT
13	(mid of Pool above RIVPT 13)	2 spring seeps on RIVRT;	16°C, 12°;	both < 1ft wide
	→ Path + clearing on RIVRT here	@ seeps		
14	(AT RIVPT 14)	→ big log jam but	probably passable)	
15	(300' below [⊗] sewer?)	line crossing/old bridge remnants?	(* RIVPT 15)	
16	(200' down from ^{RIVPT} 16)	2ft wide RIVRT	18°C,	Stream temp [millbr] = 19.5°
	↳	2 seeps - 2 nd seep	- 16°C -	1ft wide

Team 1

Habitat Data Entry Sheet (2003)										Date:	Crew:	File #:	Page:						
Drainage: <i>Presumpscot</i>					Subdrainage: <i>M.H. Brook</i>					Trib:									
River Temp: <i>18.5°C</i>					Time: <i>10:30</i>					Start location:					Stream flow:				
Starting UTM(E):					Starting UTM(N):					End UTM(E):					(N):				
Hrd pt	Rivpt	Len (ft)	WET W(yds)	Wet W(ft)	DRY W(yds)	Dry W(ft)	Hab type	% Grad	Substrate	Spawn %	Spn Q	Spn Ptch	Fry%	Avg. Dep (ft)	Max Dep (ft)	Lg Wood	Canopy (%)	Pool W	
	1			24		28													
	2	347		14		30	run		sand, pebbles, fines	15				1.0	2.8	20	50-75		
X	3	104		24		40	glide		sand fines					1.3	2.4	15	50-75		
	4	190		22		37	glide run		sand fines					1.3	2.7	14	25-50		
	5	434		18		24	glide		sand fine					1.1	2.4	7	0-25		
	6	144		14		24	run		sand fine					1.3	1.9	6	0-25		
	7	204		12		24	glide		sand fine					1.3	2.1	10	0-25		
	8	222		14		30	run		sand fine					0.7	2.1	28	0-25		
	9	414		25		35	glide		sand fine					1.1	1.5	27	25-50		
	10	327		15		30	run		pebbles gravel sand					0.8	1.9	35	50-75		
	11	1133		23		25	glide		fines sand					0.9	3.9	32	50-75		
	12	204		23		28	riffle 0.5		ledge fines					1.3	2.5	5	75-100		
	13	142		21		27	riffle 0.5		cosate pebbles gravel					0.4	0.9	6	75-100		
	14	438		20		22	glide		fines fines-sand					1.5	3.0	7	25-50		

Team 1

Rivpt					
4	240'	below rivpt 4	old beaver dam - impassable at low water?		
-	320'	below rivpt 4	small trib river	Left	- 21°C
6	180'	below rivpt 6	trib river	Right	- 17°C 1" deep 6" wide it is a run
6	180'	below rivpt 6	Spring River	Left	- 16°C
8	414'	below rivpts 8	trib river	Right	riffle 2" wide 4" deep
9	327'	below riv pt 9	seep		18°C very brown orange
10	450	below riv pt 10	River	Left	6" deep 15°C
#			seep	River	Right 4" across 1/2" deep 17°C
11	1,000'	trib river	Left		18°C
13	450'	trib river	Left		6" across 1/2" deep 18°C
14	658'	trib river	Left		21°C 5" wide 1/3" deep
15	745'	seep	river	Left	16°C 5" wide 1/4"

Team 2

Habitat Data Entry Sheet (2003)										Date: 7/21/04		Crew: PL Ben Gubbins, L		File #: K070113A		Page: 1		
Drainage: Presumpscot (Mill Stream)										Subdrainage: Mill Stream		Trib:						
River Temp:										Time: 9:50		Start location: Hinkle Lake Dam		Stream flow: low/medium				
Starting UTM(E): 391169					Starting UTM(N): 4824062					End UTM(E): 391048		(N): 4823943						
Hrd pt	Rivpt	Len (ft)	WET W(yds)	Wet W(ft)	DRY W(yds)	Dry W(ft)	Hab type	% Grad	Substrate	Spawn %	Spn Q	Spn Ptch	Fry%	Avg. Dep (ft)	Max Dep (ft)	Lg Wood	Canopy (%)	Pool W
X	1			12			Pool											0
	2	77		5		7	Run	.5	G	0			100	.8	1.0	0	0-25	
	3	138		16		16	Riffle	1	G/C	0			100	.6	1.5	0	75-100	
	4	38		13		13	Run	0	S/G	0				1.2	1.6	1	75-100	
	5	25		11		11	Riffle	1	C/SB	0			100	.7	1.0	0	75-100	
X	6	52		15		15	Pool	0	Sand	0			0	3.5	5.0	0	75-100	15
	7	84		15		15	Glide	0	Sand/Cob	0			0	1.5	2.7	0	0-25	
	8	145		13		13	Riffle	1	G/S	0			100	.8	2.0	0	50-75	
	9	46		13		13	Glide	0	S/G	0			0	1.5	2.5	1	75-100	
	10	371		16		16	Riffle	.5	S/P/G	0			100	.7	1.0	4	25-50	
	11	56		17		17	Pool	0	S/F	0			0	2.5	4	2	25-50	35
	12	392		25		25	Glide	0	F/S	0			0	1.0	2.2	10	0-25	
	13	94		22		22	Riffle	.5	S/G	0			100	.5	1.8	0	0-25	
X	14	144		19		19	Glide	0	S/F	0			0	1.2	2.2	3	0-25	
	15	386		19		19	Riffle	.5	G/S	0			100	.1	1.9	2	50-75	
	16	40		21		21	Pool	0	S/SB	0			0	3	4	3	0-25	20
	17	150		20		20	Riffle	1	C/S	0			100	1	1.8	0	25-50	
	18	110		22		22	Glide	0	C/F	0			0	1.2	1.4	5	50-75	
	19	327		10		16	Riffle	1	C/S	0			100	.8	1.2	0	75-100	
	20	35		16		16	Pool	0	C/S	0			0	2.0	3.5	0	75-100	70

Team 2

Rivpt					
1	121	is	equal	to	entire dam width
2	7	is	only	equal	to fishway outflow, small channel as well on RR equal to 7'
18					
19					

