

Data Appendices

Appendix 1. Example of water level recorder data, August 2006. All data is available in electronic format on the CD.

Addison, ME	Reference	25066	
Date	Time	Uncalibrated	Calibrated
8/3/06 0:00	5:51:36 PM	4342	320
8/3/06 0:00	6:01:36 PM	4374	324
8/3/06 0:00	6:11:36 PM	4366	323
8/3/06 0:00	6:21:36 PM	4347	320
8/3/06 0:00	6:31:36 PM	4353	321
8/3/06 0:00	6:41:36 PM	4333	319
8/3/06 0:00	6:51:36 PM	4294	313
8/3/06 0:00	7:01:36 PM	4269	310
8/3/06 0:00	7:11:36 PM	4238	306
8/3/06 0:00	7:21:36 PM	4207	302
8/3/06 0:00	7:31:36 PM	4144	293
8/3/06 0:00	7:41:36 PM	4074	284
8/3/06 0:00	7:51:36 PM	4025	277
8/3/06 0:00	8:01:36 PM	3985	272
8/3/06 0:00	8:11:36 PM	3957	268
8/3/06 0:00	8:21:36 PM	3911	262
8/3/06 0:00	8:31:36 PM	3855	255
8/3/06 0:00	8:41:36 PM	3783	245
8/3/06 0:00	8:51:36 PM	3702	234
8/3/06 0:00	9:01:36 PM	3633	225
8/3/06 0:00	9:11:36 PM	3587	219
8/3/06 0:00	9:21:36 PM	3479	204
8/3/06 0:00	9:31:36 PM	3402	194
8/3/06 0:00	9:41:36 PM	3353	188
8/3/06 0:00	9:51:36 PM	3268	176
8/3/06 0:00	10:01:36 PM	3197	167
8/3/06 0:00	10:11:36 PM	3129	158
8/3/06 0:00	10:21:36 PM	3096	153
8/3/06 0:00	10:31:36 PM	3008	142
8/3/06 0:00	10:41:36 PM	2958	135
8/3/06 0:00	10:51:36 PM	2923	130
8/3/06 0:00	11:01:36 PM	2867	123
8/3/06 0:00	11:11:36 PM	2808	115
8/3/06 0:00	11:21:36 PM	2755	108
8/3/06 0:00	11:31:36 PM	2705	101
8/3/06 0:00	11:41:36 PM	2693	99
8/3/06 0:00	11:51:36 PM	2666	96
8/4/06 0:00	12:01:36 AM	2641	92
8/4/06 0:00	12:11:36 AM	2611	88
8/4/06 0:00	12:21:36 AM	2607	88
8/4/06 0:00	12:31:36 AM	2570	83
8/4/06 0:00	12:41:36 AM	2546	80
8/4/06 0:00	12:51:36 AM	2537	79
8/4/06 0:00	1:01:36 AM	2528	77
8/4/06 0:00	1:11:36 AM	2561	82
Addison, ME	Restricted	23309	
8/3/06 0:00	9:53:00 PM	2921	59
8/3/06 0:00	10:03:00 PM	2928	59
8/3/06 0:00	10:13:00 PM	2933	60
8/3/06 0:00	10:23:00 PM	2938	60
8/3/06 0:00	10:33:00 PM	2943	60
8/3/06 0:00	10:43:00 PM	2946	60
8/3/06 0:00	10:53:00 PM	2913	58
8/3/06 0:00	11:03:00 PM	2879	56
8/3/06 0:00	11:13:00 PM	2839	54
8/3/06 0:00	11:23:00 PM	2829	54
8/3/06 0:00	11:33:00 PM	2760	50
8/3/06 0:00	11:43:00 PM	2705	46
8/3/06 0:00	11:53:00 PM	2655	44
8/4/06 0:00	12:03:00 AM	2628	42
8/4/06 0:00	12:13:00 AM	2595	40
8/4/06 0:00	12:23:00 AM	2561	38
8/4/06 0:00	12:33:00 AM	2499	34
8/4/06 0:00	12:43:00 AM	2467	33
8/4/06 0:00	12:53:00 AM	2434	31
8/4/06 0:00	1:03:00 AM	2405	29
8/4/06 0:00	1:13:00 AM	2386	28
8/4/06 0:00	1:23:00 AM	2353	26
8/4/06 0:00	1:33:00 AM	2331	25
8/4/06 0:00	1:43:00 AM	2314	24
8/4/06 0:00	1:53:00 AM	2305	23
8/4/06 0:00	2:03:00 AM	2320	24
8/4/06 0:00	2:23:00 AM	2311	24
8/4/06 0:00	2:33:00 AM	2312	24
8/4/06 0:00	2:43:00 AM	2316	24
8/4/06 0:00	2:53:00 AM	2340	25
8/4/06 0:00	3:03:00 AM	2342	25
8/4/06 0:00	3:13:00 AM	2345	26

DATE			5/17/06	5/23/06	5/25/06	6/17/06	7/19/06	7/20/06	7/31/06	7/31/06
Marsh	Hydrology	Station	Sal (ppt)	Sal (ppt)	Sal (ppt)	Sal (ppt)	Sal (ppt)	Sal (ppt)	Sal (ppt)	Sal (ppt)
T Hall	reference	1	21					19	15	
T Hall	reference	2	11					13	18	
T Hall	reference	3	12						0	
Herr	reference	1								
Herr	reference	2								
Herr	reference	3								
Lovit	reference	1		6		3	11			
Lovit	reference	2		5		2	9			
Lovit	reference	3		0		0	3			
JD	restricted	1								
JD	restricted	2								
JD	restricted	3								
Bayrd	restricted	1					0			
Bayrd	restricted	2					0			
Bayrd	restricted	3					0			
P Office	restricted	1							3	0
P Office	restricted	2			0				3	0
P Office	restricted	3			0				1	1

DATE	Marsh	Hydrology	Station	8/1/06 Sal (ppt)	Mean Sal (ppt)	SE Sal (ppt)	Location	n
	T Hall	reference	1	16.0	20.12	1.74	Low Marsh	11
	T Hall	reference	2	14.2	13.67	1.45	High Marsh	8
	T Hall	reference	3	9.9	14.30	2.56	Upper Marsh	9
	Herr	reference	1		7.30	1.35	Low Marsh	7
	Herr	reference	2		4.70	0.83	High Marsh	7
	Herr	reference	3		2.33	0.72	Upper Marsh	7
	Lovit	reference	1		10.58	1.86	Low Marsh	10
	Lovit	reference	2		10.40	1.74	High Marsh	13
	Lovit	reference	3		4.47	1.19	Upper Marsh	13
	JD	restricted	1		17.00		Low Marsh	1
	JD	restricted	2		2.90		High Marsh	1
	JD	restricted	3		0.00		Upper Marsh	1
	Bayrd	restricted	1		1.56	0.76	Low Marsh	5
	Bayrd	restricted	2		1.68	0.87	High Marsh	5
	Bayrd	restricted	3		2.52	1.57	Upper Marsh	5
	PostOffice	restricted	1	0.5	6.33	5.26	Low Marsh	4
	PostOffice	restricted	2	0.5	1.07	0.57	High Marsh	5
	PostOffice	restricted	3		0.50	0.20	Upper Marsh	4

Appendix 3a. Vegetation data showing all entries for 28 samples (9 pp.). All data is available in electronic format on the CD.

Sam-ple	Site	Date	Year	Bfr/Aftr Rest.	Site position	Transect	Plot	Distance	Habitat Description
1	Bayrd	8/24	2004	before rest.	3	1	1	0	creek edge
2	Bayrd	8/24	2004	before rest.	3	1	2	10	high
3	Bayrd	8/24	2004	before rest.	3	1	3	34	berm
4	Bayrd	8/24	2004	before rest.	3	1	4	50	high
5	Bayrd	8/24	2004	before rest.	3	1	5	100	high
6	Bayrd	8/24	2004	before rest.	3	1	6	150	high
7	Bayrd	8/24	2004	before rest.	3	1	7	200	high
8	Bayrd	8/24	2004	before rest.	3	1	8	250	high
9	Bayrd	8/24	2004	before rest.	3	2	1	0	creek edge
10	Bayrd	8/24	2004	before rest.	3	2	2	10	low
11	Bayrd	8/24	2004	before rest.	3	2	3	50	high
12	Bayrd	8/24	2004	before rest.	3	2	4	100	high
13	Bayrd	8/24	2004	before rest.	3	2	5	150	high
14	Bayrd	8/24	2004	before rest.	3	2	6	200	high
15	Bayrd	8/24	2004	before rest.	3	2	7	250	high
16	Bayrd	8/24	2004	before rest.	3	2	8	300	high
17	Bayrd	8/24	2004	before rest.	3	2	9	400	high
18	Bayrd	8/24	2004	before rest.	3	2	10	500	high
19	Bayrd	8/24	2004	before rest.	3	2	11	600	high
20	Town Hall	8/25	2004	reference	1	1	1	0	creek edge
21	Town Hall	8/25	2004	reference	1	1	2	10	low
22	Town Hall	8/25	2004	reference	1	1	3	50	high
23	Town Hall	8/25	2004	reference	1	1	4	100	high
24	Town Hall	8/25	2004	reference	1	1	5	150	pool
25	Town Hall	8/25	2004	reference	1	1	6	200	pool
26	Town Hall	8/25	2004	reference	1	1	7	250	high
27	Town Hall	8/25	2004	reference	1	1	8	300	high
28	Town Hall	8/25	2004	reference	1	1	9	350	high

Sam- ple	Algae	Wrack	Bare Mud	Dead	Open Water	Wrack+ Dead	Non- veg	AGMA Halophyte	ATPA Halophyte	AGRE Halophyte
1					80		80			
2				20		20				2
3				15		15				
4				15		15				
5				78		78				10
6										
7				9		9				
8				25		25				
9					40		40			
10				10		10				
11				43		43				
12				10		10				
13				15		15				
14				20		20				
15				45		45				
16				10		10				
17				15		15				
18				15		15				
19				2		2				
20			70				70			
21			10				10			
22	5			10		10				
23		1	3	2		3	3			
24	50	5			45	5	45			
25	78	2			15	2	15			
26										
27				5		5				
28				27		27				

Sam-ple	PAVI Halophyte	RHEU Fresh	RUMA Halophyte	TORA Brackish	SPAL Halophyte	SAEU Halophyte	SULI Halophyte	SCOL Brackish	SCMA Brackish
1					5				
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20					30				
21					90				
22					15	10			
23						40	15		
24			20						
25					3	2			
26									
27									
28					3				

Sam- ple	SCVA Fresh	SPPA Halophyte	SPPE Brackish	SPLA Fresh	SCRO Brackish	SOSE Halophyte	SOGR Fresh	TYLA Fresh	TYAN Brackish
1			1				10		
2									
3									
4									
5									
6			100						
7				75					
8				20			5		
9			30						
10			10				35		
11							5		
12			90						
13			85						
14			80						
15			55						
16			90						
17			80			5			
18			30	30					
19			80						
20									
21									
22		60							
23		39							
24									
25									
26		98							
27		55							
28		20							

Sam- ple	Juncus spp Fresh	Sonchus spp Fresh	Aster spp Fresh	Other 1 Brackish	%	Other 1 Fresh	%	TotFresh Cov	TotBrack Cov	TotHalop Cov
1								11	4	5
2						Vetch	15	15	0	2
3						Dogbane	5	5	0	0
4						Vetch	5	5	0	0
5								0	0	10
6								0	100	0
7						POAR	1	76	0	0
8			15	ERHI	15			40	15	0
9	5							5	55	0
10								40	45	0
11						Vetch	2	7	10	0
12								0	90	0
13								0	85	0
14								0	80	0
15								0	55	0
16								0	90	0
17								0	80	5
18			5					45	30	0
19						Vetch	3	3	80	0
20								0	0	30
21								0	0	90
22								0	0	85
23								0	0	94
24								0	0	20
25								0	0	5
26								0	0	100
27								0	0	95
28								0	0	73

Appendix 3b.

Plant list from vegetation surveys with abbreviations and assignment of plant taxa into three groups (halophyte, brackish, freshwater marsh) based on salinity tolerance and typical habitat.

Abbreviation	Scientific Name	Common Name	Typical Habitat
AGPU	<i>Agropyron pungens</i>	Stiff-leaf Quackgrass	Halophyte
AGHY	<i>Agrostis hyemalis</i>	Ticklegrass	Fresh
AGST	<i>Agrostis stolonifera</i>	Creeping Bent Grass	Brackish
ASTE	<i>Aster subulatus</i>	Annual Salt Marsh Aster	Halophyte
ATPA	<i>Atriplex patula</i>	Marsh Orach	Halophyte
BICO	<i>Bidens connata</i>	Swamp Beggar Ticks	Fresh
CACA	<i>Calamagrostis canadensis</i>	Bluejoint	Fresh
CAHO	<i>Carex hormathodes</i>	Marsh Straw Sedge	Brackish
CAMA	<i>Carex mackenzii</i>	Mackenzie's Sedge	Brackish
CAPA	<i>Carex palacaea</i>	Salt Marsh Sedge	Brackish
COSE	<i>Convolvulus sepium</i>	Hedge Bindweed	Brackish
CUGR	<i>Cuscuta gronovii</i>	Common Dodder	Brackish
DISP	<i>Distichlis spicata</i>	Spike Grass	Halophyte
ELPA	<i>Eleocharis parvula</i>	Dwarf Spike-rush	Brackish
ELVI	<i>Elymus virginicus</i>	Virginia Rye Grass	Brackish
ERHI	<i>Erechtites hieracifolia</i>	Fireweed	Brackish
FERU	<i>Festuca rubra</i>	Red Fescue	Halophyte
GLMA	<i>Glaux maritima</i>	Sea Milkwort	Halophyte
HIOD	<i>Hierochloe odorata</i>	Sweet Grass	Halophyte
HOJU	<i>Hordeum jubatum</i>		Fresh
HYVI	<i>Hypericum virginicum</i>	Marsh St. John's-wort	Fresh
JUBA	<i>Juncus balticus</i>	Baltic Rush	Halophyte
JUEF	<i>Juncus effusus</i>	Soft Rush	Fresh
JUGE	<i>Juncus gerardii</i>	Black Grass	Halophyte
LACA	<i>Lactuca canadensis</i>	Wild Lettuce	Fresh
LISC	<i>Ligusticum scoticum</i>	Lovage	Fresh
LINA	<i>Limonium nashii</i>	Sea Lavender	Halophyte
MYGA	<i>Myrica gale</i>	Sweet Gale	Fresh
ONSE	<i>Onoclea sensibilis</i>	Sensitive Fern	Fresh
PHAU	<i>Phragmites australis</i>	Common Reed	Brackish
PLMA	<i>Plantago maritima</i>	Seaside Plantain	Halophyte
POPA	<i>Poa palustris</i>	Fowl Meadow Grass	Fresh
POPR	<i>Poa pratensis</i>	Kentucky Bluegrass	Fresh
POAR	<i>Polygonum arifolium</i>	Halbred-leaved Tearthumb	Fresh
PORA	<i>Polygonum ramosissimum</i>	Bushy Knotweed	Halophyte
POAN	<i>Potentilla anserina</i>	Silverweed	Halophyte
PRVI	<i>Prunus virginiana</i>	Chokecherry	Fresh
PUMA	<i>Puccinellia maritima</i>	Seashore Alkali Grass	Halophyte
PYME	<i>Pyrus melanocarpa</i>	Black Raspberry	Fresh
RUOC	<i>Rubus occidentalis</i>	Black Chokecherry	Fresh
RUCR	<i>Rumex crispus</i>	Sour Dock	Brackish
RUMA	<i>Ruppia maritima</i>	Widgeon Grass	Halophyte
SAEU	<i>Salicornia europaea</i>	Common Glasswort	Halophyte
SCMA	<i>Scirpus maritimus</i>	Salt Marsh Bulrush	Brackish
SCVA	<i>Scirpus validus</i>	Soft-stemmed Bulrush	Fresh
SEGE	<i>Setaria geniculata</i>	Foxtail Grass	Fresh
SOGR	<i>Solidago graminifolia</i>	Grass-leaved Goldenrod	Fresh
SORU	<i>Solidago rugosa</i>	Rough-stemmed Goldenrod	Brackish
SOSE	<i>Solidago sempervirens</i>	Seaside Goldenrod	Halophyte
SPAL	<i>Spartina alterniflora</i>	Smooth Cordgrass	Halophyte
SPPA	<i>Spartina patens</i>	Salt Hay	Halophyte
SPPE	<i>Spartina pectinata</i>	Rough Cordgrass	Brackish

SPLA	<i>Spiraea latifolia</i>	Meadowsweet	Fresh
SULI	<i>Suaeda linearis</i>	Sea Blite	Halophyte
TECA	<i>Teucrium canadense</i>	American Germander	Brackish
TRMA	<i>Triglochin maritimum</i>	Seaside Arrow Grass	Halophyte
TYAN	<i>Typha angustifolia</i>	Narrow-leaved Cattail	Brackish
TYLA	<i>Typha latifolia</i>	Broad-Leaf Cattail	Fresh
VICR	<i>Vicia cracca</i>	Cow Vetch	Fresh
	Lowest Taxon Name		
-	<i>Ambrosia spp.</i>		Fresh
-	<i>Agrostis species</i>	Grass	Fresh
-	<i>Alnus species</i>	Alder	Fresh
-	<i>Apocynum species</i>	Dogbane	Fresh
-	<i>Aster species</i>	Aster	Fresh
-	<i>Carex species</i>	Sedge	Fresh
-	<i>Dryopteris species</i>	Wood Fern	Fresh
-	<i>Eleocharis species</i>	Sedge	Fresh
-	<i>Galium species</i>	Bedstraw	Fresh
-	<i>Glyceria species</i>	Grass	Fresh
-	<i>Iris species</i>	Iris	Fresh
-	<i>Juncus species</i>	Rush	Fresh
-	Moss species	Moss	Fresh
-	<i>Poa species</i>	Grass	Fresh
-	<i>Rosa species</i>	Wild Rose	Fresh
-	<i>Scutellaria species</i>	Skullcap	Fresh
-	Sedge species	Sedge	Fresh
-	<i>Solidago species</i>	Goldenrod	Fresh
-	<i>Sonchus species</i>	Sow Thistles	Fresh
-	<i>Spirea species</i>	Spirea	Fresh

Appendix 4. Nekton.

MARS H	STATION	DATE	YEAR	HYDROL OGY	HABITA T	GEAR	Fish Area	Mummi- chog	Nine- Spine	Three- Spine	Four- Spine
T Hall	P1	8/24	2004	REF	Pool	Liftnet	1.66	33	0	0	0
T Hall	P2	8/24	2004	REF	Pool	Liftnet	0.91	26	2	0	0
T Hall	P3	8/24	2004	REF	Pool	Liftnet	1.80	12	0	0	0
T Hall	P4	8/24	2004	REF	Pool	Liftnet	2.05	27	0	0	0
T Hall	P5	8/24	2004	REF	Pool	Liftnet	1.44	104	1	0	0
T Hall	D1	8/24	2004	REF	Creek	Ditchnet	0.64	0	0	0	0
T Hall	D2	8/24	2004	REF	Creek	Ditchnet	0.57	4	0	0	0
T Hall	D3	8/24	2004	REF	Creek	Ditchnet	0.85	0	0	0	0
T Hall	P1	7/19	2005	REF	Pool	Liftnet	1.80	1	0	0	0
T Hall	P2	7/19	2005	REF	Pool	Liftnet	1.75	1	4	6	0
T Hall	P3	7/19	2005	REF	Pool	Liftnet	1.29	13	4	5	0
T Hall	P4	7/19	2005	REF	Pool	Liftnet	1.78	9	0	5	0
T Hall	P5	7/19	2005	REF	Pool	Liftnet	1.19	5	3	74	0
T Hall	D1	7/19	2005	REF	Creek	Ditchnet	0.85	1	3	0	0
T Hall	D2	7/19	2005	REF	Creek	Ditchnet	ND	0	0	1	0
T Hall	D1	7/21	2005	REF	Creek	Ditchnet	0.66	0	7	4	0
T Hall	D2	7/21	2005	REF	Creek	Ditchnet	0.92	1	0	0	0
T Hall	D3	7/21	2005	REF	Creek	Ditchnet	0.60	0	0	3	0
T Hall	P1	8/10	2005	REF	Pool	Liftnet	2.00	4	0	0	0
T Hall	P2	8/10	2005	REF	Pool	Liftnet	1.32	29	0	0	0
T Hall	P3	8/10	2005	REF	Pool	Liftnet	1.57	0	0	0	0
T Hall	P4	8/10	2005	REF	Pool	Liftnet	0.53	5	0	0	0
T Hall	ND	8/10	2005	REF	Pool	ThrowTr	1.00	8	0	0	0
T Hall	P4	8/10	2005	REF	Pool	ThrowTr	1.00	74	0	0	0
T Hall	D1	8/10	2005	REF	Creek	Ditchnet	0.97	0	1	0	0
T Hall	D2	8/10	2005	REF	Creek	Ditchnet	0.84	0	0	0	0
T Hall	D3	8/10	2005	REF	Creek	Ditchnet	1.09	0	0	0	0
T Hall	D4	8/10	2005	REF	Creek	Ditchnet	0.93	4	0	0	0
T Hall	P1	9/19	2005	REF	Pool	Liftnet	1.80	7	66	0	0
T Hall	P2	9/19	2005	REF	Pool	Liftnet	2.14	23	1	0	0
T Hall	P3	9/19	2005	REF	Pool	Liftnet	1.43	46	25	0	0
T Hall	P4	9/19	2005	REF	Pool	Liftnet	1.01	0	0	0	0
T Hall	D1	9/19	2005	REF	Creek	Ditchnet	0.82	2	1	0	0
T Hall	D2	9/19	2005	REF	Creek	Ditchnet	0.90	20	0	0	0
T Hall	D3	9/19	2005	REF	Creek	Ditchnet	0.58	0	1	0	0
T Hall	D4	9/19	2005	REF	Creek	Ditchnet	0.56	0	0	0	0
Lovit	P1	8/10	2005	REF	Pool	Liftnet	1.35	35	0	0	0
Lovit	P2	8/10	2005	REF	Pool	Liftnet	1.14	1	0	0	0
Lovit	P3	8/10	2005	REF	Pool	Liftnet	1.45	12	8	0	0
Lovit	P4	8/10	2005	REF	Pool	Liftnet	1.76	6	0	0	0
Lovit	P5	8/10	2005	REF	Pool	Liftnet	1.19	21	0	0	0
Lovit	D1	8/10	2005	REF	Creek	Ditchnet	0.87	5	2	0	0
Lovit	D2	8/10	2005	REF	Creek	Ditchnet	0.80	1	1	0	0
Lovit	D3	8/10	2005	REF	Creek	Ditchnet	0.95	0	0	0	0
Lovit	D4	8/10	2005	REF	Creek	Ditchnet	0.79	1	0	0	0
Lovit	D5	8/10	2005	REF	Creek	Ditchnet	0.77	0	0	0	0
P Office	R1	8/13	2005	RESTR	River	Liftnet	1.71	2	0	0	0
P Office	R2	8/13	2005	RESTR	River	Liftnet	1.39	4	3	0	0
P Office	R3	8/13	2005	RESTR	River	Liftnet	1.48	10	0	0	0
P Office	R4	8/13	2005	RESTR	River	Liftnet	1.80	4	0	0	0
UPPER	C1	8/14	2005	RESTR	Creek	Liftnet	2.18	0	0	0	0
UPPER	C2	8/14	2005	RESTR	Creek	Liftnet	1.76	0	0	0	0
UPPER	C3	8/14	2005	RESTR	Creek	Liftnet	1.72	0	0	0	1
UPPER	C4	8/14	2005	RESTR	Creek	Liftnet	1.57	0	0	0	0
T Hall	PP5	8/1	2006	REF	pool	liftnet	1.40	63	1	0	0
T Hall	D4	8/1	2006	REF	creek	ditchnet	1.00	0	0	0	0
T Hall	PP3	8/1	2006	REF	pool	liftnet	2.28	25	0	0	0
T Hall	PP1	8/1	2006	REF	pool	liftnet	1.43	25	0	0	0
T Hall	PP2	8/1	2006	REF	pool	liftnet	2.22	11	1	0	0
T Hall	PP4	8/1	2006	REF	pool	liftnet	1.50	6	0	0	0
T Hall	D3	8/1	2006	REF	creek	ditchnet	0.70	1	0	0	0
T Hall	D5	8/1	2006	REF	creek	ditchnet	0.95	0	0	0	0
T Hall	D2	8/1	2006	REF	creek	ditchnet	1.21	0	0	0	0
T Hall	TP3	8/1	2006	REF	pool	throw	1.00	27	3	0	0
T Hall	TP2	8/1	2006	REF	pool	throw	1.00	9	1	0	0
T Hall	TP1	8/1	2006	REF	pool	throw	1.00	19	0	0	0
P Office	R6	8/1	2006	RESTR	river	liftnet	2.22	0	1	0	0
P Office	R5	8/1	2006	RESTR	river	liftnet	1.55	0	4	0	0
P Office	R4	8/1	2006	RESTR	river	liftnet	0.59	0	0	0	1
P Office	R3	8/1	2006	RESTR	creek	throw	1.00	0	0	0	0
P Office	R2	8/1	2006	RESTR	creek	throw	1.00	0	0	0	0
P Office	R1	8/1	2006	RESTR	creek	throw	1.00	0	0	0	0

MARS H	STATION	DATE	YEAR	Silversid es	Eel	Menhad en	Crangon s.	Carcinus m.	Notro pis	Spotfin killi	Total Nekton
T Hall	P1	8/24	2004	5	0	0	0	0	0	0	38
T Hall	P2	8/24	2004	8	0	0	0	0	0	0	36
T Hall	P3	8/24	2004	26	0	0	0	0	0	0	38
T Hall	P4	8/24	2004	0	0	0	0	0	0	0	27
T Hall	P5	8/24	2004	1	0	0	0	0	0	0	106
T Hall	D1	8/24	2004	0	0	0	0	0	0	0	0
T Hall	D2	8/24	2004	0	0	0	0	0	0	0	4
T Hall	D3	8/24	2004	0	0	0	0	0	0	0	0
T Hall	P1	7/19	2005	0	0	0	0	0	0	0	1
T Hall	P2	7/19	2005	0	0	0	0	0	0	0	11
T Hall	P3	7/19	2005	0	0	0	0	0	0	0	22
T Hall	P4	7/19	2005	0	0	0	0	0	0	0	14
T Hall	P5	7/19	2005	0	0	0	0	0	0	0	82
T Hall	D1	7/19	2005	0	0	0	0	0	0	0	4
T Hall	D2	7/19	2005	0	0	0	0	0	0	0	1
T Hall	D1	7/21	2005	0	0	0	0	0	0	0	11
T Hall	D2	7/21	2005	0	0	0	0	0	0	0	1
T Hall	D3	7/21	2005	0	0	0	0	0	0	0	3
T Hall	P1	8/10	2005	0	0	0	0	0	0	0	4
T Hall	P2	8/10	2005	0	0	0	0	0	0	0	29
T Hall	P3	8/10	2005	0	0	0	0	0	0	0	0
T Hall	P4	8/10	2005	0	0	0	0	0	0	1	6
T Hall	ND	8/10	2005	1	0	0	0	0	0	0	9
T Hall	P4	8/10	2005	5	0	0	0	0	0	0	79
T Hall	D1	8/10	2005	0	0	0	0	0	0	0	1
T Hall	D2	8/10	2005	0	0	0	0	0	0	0	0
T Hall	D3	8/10	2005	0	0	0	0	1	0	0	1
T Hall	D4	8/10	2005	0	0	0	0	0	0	0	4
T Hall	P1	9/19	2005	6	0	0	0	0	0	0	79
T Hall	P2	9/19	2005	0	0	0	0	0	0	0	24
T Hall	P3	9/19	2005	0	0	0	0	0	0	0	71
T Hall	P4	9/19	2005	0	0	0	0	0	0	0	0
T Hall	D1	9/19	2005	0	0	0	0	0	0	0	3
T Hall	D2	9/19	2005	0	0	0	0	0	0	0	20
T Hall	D3	9/19	2005	0	0	0	2	0	0	0	3
T Hall	D4	9/19	2005	0	0	0	0	0	0	0	0
Lovit	P1	8/10	2005	0	0	0	0	0	0	0	35
Lovit	P2	8/10	2005	0	0	0	0	0	0	0	1
Lovit	P3	8/10	2005	0	0	0	0	0	0	0	20
Lovit	P4	8/10	2005	0	0	0	0	0	0	0	6
Lovit	P5	8/10	2005	0	0	0	0	0	0	0	21
Lovit	D1	8/10	2005	0	2	0	0	0	0	0	9
Lovit	D2	8/10	2005	0	0	0	0	0	0	0	2
Lovit	D3	8/10	2005	0	0	0	0	0	0	0	0
Lovit	D4	8/10	2005	0	0	0	0	0	0	0	1
Lovit	D5	8/10	2005	0	0	2	0	0	0	0	2
P Office	R1	8/13	2005	1	0	0	1	0	0	0	4
P Office	R2	8/13	2005	0	0	0	0	0	0	0	7
P Office	R3	8/13	2005	0	0	0	0	0	0	0	10
P Office	R4	8/13	2005	0	0	0	0	0	0	0	4
UPPER	C1	8/14	2005	0	0	0	0	0	0	0	0
UPPER	C2	8/14	2005	0	0	0	0	0	1	0	1
UPPER	C3	8/14	2005	0	0	0	0	0	13	0	14
UPPER	C4	8/14	2005	0	0	0	0	0	5	0	5
T Hall	PP5	8/1	2006	0	0	0	0	0	0	0	64
T Hall	D4	8/1	2006	0	0	0	0	0	0	0	0
T Hall	PP3	8/1	2006	0	0	0	0	0	0	0	25
T Hall	PP1	8/1	2006	0	0	0	0	0	0	0	25
T Hall	PP2	8/1	2006	0	0	0	0	0	0	0	12
T Hall	PP4	8/1	2006	7	0	0	0	0	0	0	13
T Hall	D3	8/1	2006	0	0	0	0	0	0	0	1
T Hall	D5	8/1	2006	0	0	0	0	0	0	0	0
T Hall	D2	8/1	2006	0	0	0	0	0	0	0	0
T Hall	TP3	8/1	2006	0	0	0	0	0	0	0	30
T Hall	TP2	8/1	2006	0	0	0	0	0	0	0	10
T Hall	TP1	8/1	2006	0	0	0	0	0	0	0	19
P Office	R6	8/1	2006	0	0	0	0	0	0	0	1
P Office	R5	8/1	2006	0	0	0	0	0	2	0	6
P Office	R4	8/1	2006	0	0	0	0	0	4	0	5
P Office	R3	8/1	2006	0	0	0	0	0	29	0	29
P Office	R2	8/1	2006	0	0	0	0	0	2	0	2
P Office	R1	8/1	2006	0	0	0	0	0	2	0	2

MARS H	STATION	DATE	YEAR	Total Density	Estu Abund	EST FISH/M2	fw abundance	fw fish	est. spp.	fw spp.
T Hall	P1	8/24	2004	22.95	38	22.95	0	0	2	0
T Hall	P2	8/24	2004	39.56	36	39.56	0	0	2	0
T Hall	P3	8/24	2004	21.11	38	21.11	0	0	2	0
T Hall	P4	8/24	2004	13.17	27	13.17	0	0	2	0
T Hall	P5	8/24	2004	73.61	106	73.61	0	0	2	0
T Hall	D1	8/24	2004	0.00	0	0.00	0	0	2	0
T Hall	D2	8/24	2004	7.02	4	7.02	0	0	2	0
T Hall	D3	8/24	2004	0.00	0	0.00	0	0	2	0
T Hall	P1	7/19	2005	0.56	1	0.56	0	0	2	0
T Hall	P2	7/19	2005	6.29	11	6.29	0	0	2	0
T Hall	P3	7/19	2005	17.05	22	17.05	0	0	2	0
T Hall	P4	7/19	2005	7.87	14	7.87	0	0	2	0
T Hall	P5	7/19	2005	68.91	82	68.91	0	0	2	0
T Hall	D1	7/19	2005	4.71	4	4.71	0	0	2	0
T Hall	D2	7/19	2005		1		0		2	0
T Hall	D1	7/21	2005	16.67	11	16.67	0	0	2	0
T Hall	D2	7/21	2005	1.09	1	1.09	0	0	2	0
T Hall	D3	7/21	2005	5.00	3	5.00	0	0	2	0
T Hall	P1	8/10	2005	2.00	4	2.00	0	0	2	0
T Hall	P2	8/10	2005	21.97	29	21.97	0	0	2	0
T Hall	P3	8/10	2005	0.00	0	0.00	0	0	2	0
T Hall	P4	8/10	2005	11.32	6	11.32	0	0	2	0
T Hall	ND	8/10	2005	9.00	9	9.00	0	0	2	0
T Hall	P4	8/10	2005	79.00	79	79.00	0	0	2	0
T Hall	D1	8/10	2005	1.03	1	1.03	0	0	2	0
T Hall	D2	8/10	2005	0.00	0	0.00	0	0	2	0
T Hall	D3	8/10	2005	0.92	0	0.00	0	0	2	0
T Hall	D4	8/10	2005	4.30	4	4.30	0	0	2	0
T Hall	P1	9/19	2005	43.89	79	43.89	0	0	2	0
T Hall	P2	9/19	2005	11.20	24	11.20	0	0	2	0
T Hall	P3	9/19	2005	49.82	71	49.82	0	0	2	0
T Hall	P4	9/19	2005	0.00	0	0.00	0	0	2	0
T Hall	D1	9/19	2005	3.66	3	3.66	0	0	2	0
T Hall	D2	9/19	2005	22.22	20	22.22	0	0	2	0
T Hall	D3	9/19	2005	5.17	1	1.72	0	0	2	0
T Hall	D4	9/19	2005	0.00	0	0.00	0	0	2	0
Lovit	P1	8/10	2005	25.93	35	25.93	0	0	2	0
Lovit	P2	8/10	2005	0.88	1	0.88	0	0	2	0
Lovit	P3	8/10	2005	13.79	20	13.79	0	0	2	0
Lovit	P4	8/10	2005	3.41	6	3.41	0	0	2	0
Lovit	P5	8/10	2005	17.65	21	17.65	0	0	2	0
Lovit	D1	8/10	2005	10.34	9	10.34	0	0	2	0
Lovit	D2	8/10	2005	2.50	2	2.50	0	0	2	0
Lovit	D3	8/10	2005	0.00	0	0.00	0	0	2	0
Lovit	D4	8/10	2005	1.27	1	1.27	0	0	2	0
Lovit	D5	8/10	2005	2.60	2	2.60	0	0	2	0
P Office	R1	8/13	2005	2.34	3	1.75	0	0	2	0
P Office	R2	8/13	2005	5.04	7	5.04	0	0	2	0
P Office	R3	8/13	2005	6.76	10	6.76	0	0	2	0
P Office	R4	8/13	2005	2.22	4	2.22	0	0	2	0
UPPER	C1	8/14	2005	0.00	0	0.00	0	0	2	0
UPPER	C2	8/14	2005	0.57	0	0.00	1	0.5	2	1
UPPER	C3	8/14	2005	8.14	1	0.58	13	7.5	2	1
UPPER	C4	8/14	2005	3.18	0	0.00	5	3.1	2	1
T Hall	PP5	8/1	2006	45.74	64	45.74	0	0	2	0
T Hall	D4	8/1	2006	0.00	0	0.00	0	0	0	0
T Hall	PP3	8/1	2006	10.96	25	10.96	0	0	1	0
T Hall	PP1	8/1	2006	17.48	25	17.48	0	0	1	0
T Hall	PP2	8/1	2006	5.41	12	5.41	0	0	2	0
T Hall	PP4	8/1	2006	8.67	13	8.67	0	0	2	0
T Hall	D3	8/1	2006	1.43	1	1.43	0	0	1	0
T Hall	D5	8/1	2006	0.00	0	0.00	0	0	0	0
T Hall	D2	8/1	2006	0.00	0	0.00	0	0	0	0
T Hall	TP3	8/1	2006	30.00	30	30.00	0	0	2	0
T Hall	TP2	8/1	2006	10.00	10	10.00	0	0	2	0
T Hall	TP1	8/1	2006	19.00	19	19.00	0	0	1	0
P Office	R6	8/1	2006	0.45	1	0.45	0	0	1	0
P Office	R5	8/1	2006	3.87	4	2.58	2	1.2	1	1
P Office	R4	8/1	2006	8.47	1	1.69	4	6.7	1	1
P Office	R3	8/1	2006	29.00	0	0.00	29	29	1	1
P Office	R2	8/1	2006	2.00	2	2.00	2	2	1	1
P Office	R1	8/1	2006	2.00	2	2.00	2	2	1	1