

APPENDIX WLIS-1
STATION POSITIONS

Station Name/Designator								
Target Position						Sampling Position		Depth
Latitude	Longitude	Station ID	Replicate	Date	Time	Latitude	Longitude	Range
(N)	(W)					(N)	(W)	(m)
500mE - Farfield								
40° 59.256'	73° 27.630'	WLE5H	1	19-Feb-00	0203	40° 59.243'	73° 27.642'	32
		WLE5H	2	19-Feb-00	0220	40° 59.275'	73° 27.640'	32
		WLE5H	3	19-Feb-00	0236	40° 59.261'	73° 27.662'	32
		WLE5H	1	06-Jul-00	1926	40° 59.273'	73° 27.597'	31! 32
		WLE5H	2	06-Jul-00	1937	40° 59.272'	73° 27.587'	31! 32
		WLE5H	3	06-Jul-00	1947	40° 59.233'	73° 27.642'	31! 32
Eatons Neck EB1 - Historic								
40° 59.571'	73° 27.031'	WLEB1	1	19-Feb-00	0452	40° 59.556'	73° 27.058'	32! 33
		WLEB1	2	19-Feb-00	0502	40° 59.563'	73° 27.036'	32! 33
		WLEB1	3	19-Feb-00	0508	40° 59.576'	73° 27.027'	32! 33
		WLEB1	1	06-Jul-00	1833	40° 59.587'	73° 27.090'	32
		WLEB1	2	06-Jul-00	1854	40° 59.534'	73° 27.122'	32
		WLEB1	3	06-Jul-00	1911	40° 59.573'	73° 27.091'	32
Mound "I" - Active								
40° 59.202'	73° 29.020'	WLMDI	1	19-Feb-00	0250	40° 59.192'	73° 29.023'	29! 31
		WLMDI	2	19-Feb-00	0303	40° 59.206'	73° 29.033'	29! 31
		WLMDI	3	19-Feb-00	0322	40° 59.211'	73° 29.015'	29! 31
		WLMDI	1	06-Jul-00	2001	40° 59.204'	73° 29.028'	29! 31
		WLMDI	2	06-Jul-00	2022	40° 59.179'	73° 28.997'	29! 31
		WLMDI	3	06-Jul-00	2035	40° 59.197'	73° 29.048'	29! 31
SOUTH - No Impact								
40° 58.694'	73° 29.175'	WLSTH	1	19-Feb-00	0104	40° 58.703'	73° 29.163'	26
		WLSTH	2	19-Feb-00	0120	40° 58.690'	73° 29.174'	26
		WLSTH	3	19-Feb-00	0137	40° 58.697'	73° 29.186'	26
		WLSTH	1	06-Jul-00	2127	40° 58.677'	73° 29.188'	23! 24
		WLSTH	2	06-Jul-00	2141	40° 58.688'	73° 29.226'	23! 24
		WLSTH	3	06-Jul-00	2150	40° 58.619'	73° 29.243'	23! 24
500mW - Farfield								
40° 59.256'	73° 29.665'	WLW5H	1	19-Feb-00	0409	40° 59.267'	73° 29.690'	34
		WLW5H	2	19-Feb-00	0422	40° 59.265'	73° 29.669'	34
		WLW5H	3	19-Feb-00	0432	40° 59.238'	73° 29.712'	34
		WLW5H	1	06-Jul-00	2046	40° 59.247'	73° 29.696'	31! 33
		WLW5H	2	06-Jul-00	2104	40° 59.241'	73° 29.683'	31! 33
		WLW5H	3	06-Jul-00	2116	40° 59.181'	73° 29.655'	31! 33

APPENDIX WLIS-2

Sediment Grain Size and Total Organic Carbon

SEDIMENT GRAIN SIZE

Long Island Sound Sediment Grain Size Data					
WLIS February and July 2000					
Sample ID	DESCRIPTION	% Cobbles	% Gravel	% Sand	% Fines
February 2000					
LIS01WLE5HC1C	silty, sandy clay	0	11	31	58
LIS01WLE5HC3C	silty clay	0	0	8	92
LIS01WLE5HC5C	silty, clayey sand with gravel	0	25	32	43
LIS01WLE5HCPC	silty clay	0	0	14	86
LIS01WLEB1C1C	silty clay	0	0	8	92
LIS01WLEB1C3C	silty clay with sand	0	0	15	85
LIS01WLEB1C5C	silty clay	0	0	9	91
LIS01WLEB1CPC	silty clay	0	0	13	87
LIS01WLMDIC1C	silty, clayey sand	0	3	50	47
LIS01WLMDIC3C	silty, clayey sand	0	0	54	46
LIS01WLMDIC5C	silty clay with sand	0	0	27	73
LIS01WLMDICPC	silty, clayey sand	0	2	54	44
LIS01WLSTHC1C	silty sand	0	1	71	28
LIS01WLSTHC3C	silty sand	0	4	70	26
LIS01WLSTHC5C	silty sand	0	4	71	25
LIS01WLSTHCPC	silty sand	0	6	67	27
LIS01WLW5HC1C	silty clay with sand	0	0	19	81
LIS01WLW5HC3C	silty clay	0	0	12	88
LIS01WLW5HC5C	silty clay	0	0	11	89
LIS01WLW5HCPC	silty clay with sand	0	5	21	74
JULY 2000					
Sample ID	DESCRIPTION	% Cobbles	% Gravel	% Sand	% Fines
LIS03WLE5HC1C	---	0	0	16	84
LIS03WLEB1C1C	---	0	0	6	94
LIS03WLMD1C1C	---	0	0	31	69
LIS03WLSTHC1C	---	0	0	55	45
LIS03WLW5HC1C	---	0	0	8	92

TOTAL ORGANIC CARBON

WLIS February and July 2000								
					Sample	Station	Total Organic	
Site	Station	Sample ID	Result	Unit	Mean	Mean	Carbon (%C)	
February 2000								
WLIS	WLE5H	LIS01WLE5HC1	27000	mg/kg	25500	27500	2.75%	
WLIS	WLE5H	LIS01WLE5HC1	24000	mg/kg	28500			
WLIS	WLE5H	LIS01WLE5HC3	28000	mg/kg				
WLIS	WLE5H	LIS01WLE5HC3	29000	mg/kg	24500			
WLIS	WLE5H	LIS01WLE5HC5	24000	mg/kg				
WLIS	WLE5H	LIS01WLE5HC5	25000	mg/kg	31500			
WLIS	WLE5H	LIS01WLE5HCP	32000	mg/kg				
WLIS	WLE5H	LIS01WLE5HCP	31000	mg/kg				
WLIS	WLEB1	LIS01WLEB1C1	27000	mg/kg	26500	26125	2.61%	
WLIS	WLEB1	LIS01WLEB1C1	26000	mg/kg	26500			
WLIS	WLEB1	LIS01WLEB1C3	27000	mg/kg				
WLIS	WLEB1	LIS01WLEB1C3	26000	mg/kg	25500			
WLIS	WLEB1	LIS01WLEB1C5	26000	mg/kg				
WLIS	WLEB1	LIS01WLEB1C5	25000	mg/kg	26000			
WLIS	WLEB1	LIS01WLEB1CP	27000	mg/kg				
WLIS	WLEB1	LIS01WLEB1CP	25000	mg/kg				
WLIS	WLMDI	LIS01WLMDIC1	15000	mg/kg	14000	15000	1.50%	
WLIS	WLMDI	LIS01WLMDIC1	14000	mg/kg	13500			
WLIS	WLMDI	LIS01WLMDIC1 DUP	14000	mg/kg				
WLIS	WLMDI	LIS01WLMDIC1 DUP	13000	mg/kg	20500			
WLIS	WLMDI	LIS01WLMDIC3	13000	mg/kg				
WLIS	WLMDI	LIS01WLMDIC3	14000	mg/kg	12000			
WLIS	WLMDI	LIS01WLMDIC5	21000	mg/kg				
WLIS	WLMDI	LIS01WLMDIC5	20000	mg/kg	11375			
WLIS	WLMDI	LIS01WLMDICP	13000	mg/kg				
WLIS	WLMDI	LIS01WLMDICP	11000	mg/kg				
WLIS	WLSTH	LIS01WLSTHC1	11000	mg/kg	15000			1.14%
WLIS	WLSTH	LIS01WLSTHC1	11000	mg/kg				
WLIS	WLSTH	LIS01WLSTHC3	14000	mg/kg		9600		
WLIS	WLSTH	LIS01WLSTHC3	16000	mg/kg				
WLIS	WLSTH	LIS01WLSTHC5	10000	mg/kg		9900		
WLIS	WLSTH	LIS01WLSTHC5	9200	mg/kg				
WLIS	WLSTH	LIS01WLSTHCP	10000	mg/kg				
WLIS	WLSTH	LIS01WLSTHCP	9800	mg/kg				
WLIS	WLW5H	LIS01WLW5HC1	24000	mg/kg	24000	25125	2.51%	
WLIS	WLW5H	LIS01WLW5HC1	24000	mg/kg	24000			
WLIS	WLW5H	LIS01WLW5HC3	24000	mg/kg				
WLIS	WLW5H	LIS01WLW5HC3	24000	mg/kg	27000			
WLIS	WLW5H	LIS01WLW5HC5	27000	mg/kg				
WLIS	WLW5H	LIS01WLW5HC5	27000	mg/kg				

WLIS	WLW5H	LIS01WLW5HCP	25000	mg/kg	25500		
WLIS	WLW5H	LIS01WLW5HCP	26000	mg/kg			
July 2000							
WLIS	WLE5H	LIS03WLE5HC1J	22000	mg/kg	24500	24500	2.45%
WLIS	WLE5H	LIS03WLE5HC1J	27000	mg/kg			
WLIS	WLEB1	LIS03WLEB1C1J	31000	mg/kg	31000	31000	3.10%
WLIS	WLEB1	LIS03WLEB1C1J	31000	mg/kg			
WLIS	WLMDI	LIS03WLMDIC1J	14000	mg/kg	14000	15000	1.50%
WLIS	WLMDI	LIS03WLMDIC1J	16000	mg/kg			
WLIS	WLSTH	LIS03WLSTHC1J	12000	mg/kg	11500	11500	1.15%
WLIS	WLSTH	LIS03WLSTHC1J	11000	mg/kg			
WLIS	WLW5H	LIS03WLW5HC1J	28000	mg/kg	28000	28000	2.80%
WLIS	WLW5H	LIS03WLW5HC1J	28000	mg/kg			

APPENDIX WLIS-3

RAW DATA FOR INFAUNAL BENTHOS

Scolelepis bousfieldi	5001432002	30	6	25	32	15	12	1		4	3	9	1	5	3	10
Carazziella hobsonae	5001432706		1													
POLYCHAETA - Chaetopteridae (parchment worms)																
Chaetopterus variopedatus	5001490101															
Spiochaetopterus oculatus	5001490303							1								
POLYCHAETA - Cirratulidae (fringe worms)																
Cirratulus sp. 1	50015001SP01	10	3	17	45	12	14	1			11	6	11	4		1
Caulleriella sp. B	50015002SP02															
Aphelochaeta nr. monilaris	5001500301															
Monticellina dorsobranchialis	5001500310															
Aphelochaeta sp. 1	50015003ASP01	1														
Monticellina baptisteeae	50015003BAPT															
Tharyx sp. 1A	50015003SP01A															
Tharyx sp. 1B	50015003SP01B															
Tharyx sp. 2	50015003SP02															
Tharyx sp. 3	50015003SP03	15	1	13	16	2	3	83	86	34	21	20	13	5	10	8
Tharyx sp. 4	50015003SP04															
Tharyx sp. 5	50015003SP05															
Chaetozone sp. 2	50015004SP02															
Chaetozone sp. 4	50015004SP04															
Cirratulidae spp. indet.	500150SPP															
POLYCHAETA - Cossuridae																
Cossura sp. 1	50015201SP01	24	12	41	39	12	6	3	18	42	5	7		13	51	47
POLYCHAETA - Flabelligeriae																
Brada villosa	5001540102			8							1	1				
Pherusa affinis	5001540304	7	12	5	8	2		6	3	1	8	1	1	2	4	5
POLYCHAETA - Scalibregmidae																
Scalibregma inflatum	5001570101							1								
POLYCHAETA - Opheliidae (sandbar worms)																
Ophelia bicornis	5001580303															
Travisia carnea	5001580404															
POLYCHAETA - Capitellidae (thread worms)																
Capitella capitata complex	5001600101															
Capitella jonesi	50016001JONE															
Notomastus latericeus	5001600306															
Mediomastus ambiseta	5001600401	300	62		204	124	105	93	57	153	110	131	51		91	151

Meiomenia sp. 1	54030601SP01															
MOLLUSCA																
BIVALVIA (clams)																
Nucula annulata	5502020205	238	329	627	540	374	235	9	1	17	191	126	86	179	190	632
Nucula delphinodonta	5502020206															
Yoldia limatula	5502040511	48	47	29	74	3	20	4	7	29	65	52	27	1	4	7
Anadara transversa	5506010201		1					1				4	1			
Mytilus edulis	5507010101								9							
Crenella decussata	5507010201															
Crenella glandula	5507010203															
Musculus niger	5507010401															
Anomia simplex	5509090202															
Anomia spp.	55090902SPP															
Axinopsida orbicularis	5515020202															
Leptonidae sp. 1	551509SP01															
Aligena elevata	5515100602															
Cyclocardia borealis	5515170106															
Astarte castanea	5515190110															
Astarte undata	5515190113															
Crassinella lunulata	5515200102															
Cerastoderma pinnulatum	5515220601															
Spisula solidissima	5515250102															
Mulinia lateralis	5515250301		2					3	9	2	5	3	2			1
Ensis directus	5515290301		1	3				6	6				1			
Macoma tenta	5515310120	122	153	329	248	132	146	22	22	184	206	142	112	56	37	64
Tellina agilis	5515310205	11	13	10	3		2	25	2	14	73	44	33	2		
Mercenaria mercenaria	5515471101															
Pitar morrhuana	5515471201	8	12		2	1	1	8	3	32	15	20	5	1	2	1
Petricola pholadiformis	5515480102															
Pandora gouldiana	5520020107			16	13	4	1				1				1	3
Pandora spp.	55200201SPP	1								2	1	2	1		2	1
Lyonsia hyalina	5520050206						1		1							
Lyonsia spp.	55200502SPP							2		1						
Asthenothaerus hemphilli	5520080102															
Thracia septentrionalis	5520080208															
Thraciidae spp.	552008SPP															
Bivalvia sp. 1	55SP01								1							

Nephasoma diaphanes	7200020305																
Phascolion strombi	7200020401	1	3	1	1	3	1			2	11		6				1
Sipuncula spp.	72SPP	2	2		1							3	2			1	1
PHORONIDA (phoronid worms)																	
Phoronis architecta	7700010203								1			1	1				
ECHINODERMATA (spiny-skinned animals)																	
OPHIUROIDEA (brittle stars)																	
Ophiuroidea spp.	8120SPP																
Ophiura robusta	8127010611																
Axiognathus squamatus	8129030202																
ECHINOIDEA (sea urchins and sand dollars)																	
Echinoidea spp.	8136SPP																
Echinarachnius parma	8155020101																
HOLOTHUROIDEA (sea cucumbers)																	
Holothuroidea sp. 1	8170SP01					1	1								1		1
Leptosynapta tenuis	8178010202														1		
HEMICHORDATA (acorn worms)																	
Stereobalanus canadensis	8201010201		1		3	3	1			2							
Saccoglossus kowalevskii	8201010302	2			3		2										1
CHORDATA (tunicates)																	
Molgula manhattensis	8406030108																
Grand Total		1457	954	1568	1696	983	786	478	337	885	1099	896	546	385	515	1123	

Long Island Sound Faunal Data	Station	WLE5H			WLEB1			WLMDI			WLSTH			WLW5H			
July 2000	Replicate	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Taxon	NODC Code																
CNIDARIA																	
HYDROZOA (hydroids)																	
Ceriantheopsis americanus	3743010201	3	1	3	1			1	2		7	4	8	3	6	6	
Edwardsia elegans	3759010101				3									1		1	
PLATYHELMINTHES (flatworms)																	
Turbellaria sp. 1	3901SP01		2	5	1		2		4		8		2	5	2	4	
NEMERTEA (ribbon worms)																	
Carinomella lactea	4302010201	3	19	13	13	27	19	7	11	3	9	8	9	7	14	16	
Cerebratulus lacteus	4303020209	1	1	1				3	2	1			1		1		

Micrura spp.	43030205SPP		2			1		1		1	2	1	2			
Amphiporus angulatus	4306050101															
Nemertea spp.	43SPP				2					1					2	
ANNELIDA (segmented worms)																
POLYCHAETA - Polynoidae (scale worms)																
Harmothoe extenuata	5001020803	1										1				1
Lepidonotus squamatus	5001021103															
POLYCHAETA - Sigalionidae (scale worms)																
Pholoe longa	50010601LONG								1							
Sigalion arenicola	5001060401															
POLYCHAETA - Pisionidae																
Pisione remota	5001070101															
POLYCHAETA - Phyllodocidae (paddle worms)																
Phyllodoce maculata	5001130106															
Paranaitis speciosa	5001130801	2	4	2					1		1			1	1	3
Eumida sanguinea	5001131101															
Phyllodoce arenae	5001131410															
POLYCHAETA - Hesionidae																
Gyptis vittata	5001210103															
Microphthalmus szcelkowi	5001210201															
Podarke obscura	5001211502															
POLYCHAETA - Pilargiidae																
Ancistrosyllis groenlandica	5001220104															
Sigambra tentaculata	5001220201		4	9	3	7	9	6	6	5	9	2	4	1	7	5
POLYCHAETA - Syllidae																
Autolytus prolifer	5001230104	2						1				1				
Autolytus sp. 1	50012301SP01															
Syllis (T.) alternata	5001230501							2	1		1				1	1
Exogone dispar	5001230701															
Exogone hebes	5001230707															
Sphaerosyllis longicauda	5001230817															
Sphaerosyllis sp. 1	50012308SP01															
Streptosyllis cf. arenae	5001231601CF															
Streptosyllis cf. websteri	5001231603CF															
Parapionosyllis longicirrata	5001231701															
POLYCHAETA - Nereidae (clam worms)																

Sabelliidae spp.	500170SPP															
POLYCHAETA																
Polychaeta spp.	5001SPP															
POLYCHAETA - Polygordiidae																
Polygordius sp. A	50020501SP01															
OLIGOCHAETA																
Oligochaeta spp.	5003SPP	20	31	37	52	121	58	16	58		9	27	15	1	15	44
MOLLUSCA																
GASTROPODA (snails)																
Margarites helicinus	5102100302															
Lacuna vincta	5103090305															
Caecum johnsoni	5103360304															
Cerithiopsis greeni	5103460207															
Triphora nigrocincta	5103480104															
Epitonium multistriatum	5103500107															
Epitonium rupicola	5103500108															
Acirsa costulata	5103500602															
Melanella intermedia	5103530105															
Melanella conoidea	5103530107															
Crepidula fornicata	5103640204	1		1		2		21	2		3	4				1
Crepidula plana	5103640207											1				
Crepidula spp.	51036402SPP	1	1			1		7	3	2		3				
Euspira heros	5103761201		1	3	3	3	3					2		1	1	4
Urosalpinx cinerea	5105010301															
Mitrella lunata	5105030207		1													
Anachis lafresnayi	5105030306															
Ilyanassa trivittata	5105080202	13	3	14	8	8	6	14	8	3	12	5	29	2	3	6
Kurtziella cerina	5106021102															
Odostomia eburnea	5108010134		3	13	3		9	7	1		5	7	5	9	2	28
Turbonilla areolata	5108010209AR															
Turbonilla aequalis	5108010224															
Turbonilla elegantula	5108010275										8	6	1			1
Turbonilla spp.	51080102SPP															
Odostomia hendersoni	5108010922		1											2		
Turbonilla sumneri	5108011102	4	2	2	1	1		5	3		2	5	5	4	1	8
Boonea seminuda	5108011403															
Fargoa bartschi	5108011501															
Rictaxis punctostriatus	5110010403											1				

Pagurus spp.	61830602SPP				1							2				
Polyonyx gibbesi	6183120401															
Upogebia affinis	6183170102															
CRUSTACEA - Decapoda (true crabs)																
Libinia dubia	6187010901															
Cancer irroratus	6188030108	4	7	2		2	2	1	2	2		2			4	3
Dyspanopeus sayi	6189020703															
Panopeus herbstii	6189020801							3				2			1	
Xanthidae spp.	618902SPP											1				
Zaops maculatus	6189060201															
Pinnixa chaetoptera	6189060405						1				5	2	2			1
SIPUNCULA (peanut worms)																
Phascolopsis gouldii	7200010501															
Nephasoma diaphanes	7200020305											1				
Phascolion strombi	7200020401	12	3	3	3	1	1		6		5	5	1	7	6	1
Sipuncula spp.	72SPP															
PHORONIDA (phoronid worms)																
Phoronis architecta	7700010203		1								1				1	
ECHINODERMATA (spiny-skinned animals)																
ASTEROIDEA (sea stars)																
Astroidea spp.	8104SPP															
OPHIUROIDEA (brittle stars)																
Ophiuroidea spp.	8120SPP															
Axiognathus squamatus	8129030202															
Amphioplus abditus	8129030901															
ECHINOIDEA (sea urchins and sand dollars)																
Echinarachnius parma	8155020101															
HOLOTHUROIDEA (sea cucumbers)																
Holothuroidea sp. 1	8170SP01					1	1									
Holothuroidea spp.	8170SPP															
HEMICHORDATA (acorn worms)																
Stereobalanus canadensis	8201010201															
Saccoglossus kowalevskii	8201010302						1								1	
CHORDATA (tunicates)																
Molgula manhattensis	8406030108															
Grand Total		1085	1605	2048	992	2126	1153	902	1482	384	834	1176	1018	598	1744	1635

APPENDIX WLIS-4

DOMINANCE TABLES AND SPECIES CODES

DOMINANCE TABLES FOR WLIS STATIONS

February 2000: Station WLE5H - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	30.01	30.10	1194	9950
2	<i>Macoma tenta</i> (bivalve)	15.18	15.23	604	5033
3	<i>Oligochaeta</i> spp. (oligochaete)	14.10	14.14	561	4675
4	<i>Mediomastus ambiseta</i> (polychaete)	9.10	9.13	362	3017
5	<i>Acteocina canaliculata</i> (gastropod)	7.67	7.69	305	2542
6	<i>Yoldia limatula</i> (bivalve)	3.12	3.13	124	1033
7	<i>Asabellides oculata</i> (polychaete)	2.81	2.82	112	933
8	<i>Streblospio benedicti</i> (polychaete)	2.31	2.32	92	767
9	<i>Cossura</i> sp. 1 (polychaete)	1.94	1.94	77	642
10	<i>Cylichna oryza</i> (gastropod)	1.78	1.79	71	592
	Total - 10 taxa	88.01	88.28	3502	29183
	Remaining infauna – 45 taxa	11.99	--	477	3975
	Total infauna - 55 taxa	100.00	--	3979	33158
	No epifaunal taxa present				

July 2000: Station WLE5H - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	45.22	45.30	2140	17983
2	<i>Macoma tenta</i> (bivalve)	13.31	13.34	630	5294
3	<i>Acteocina canaliculata</i> (gastropod)	9.57	9.59	453	3807
4	<i>Mediomastus ambiseta</i> (polychaete)	7.92	7.94	375	3151
5	<i>Ampharete finmarchica</i> (polychaete)	7.67	7.68	363	3050
6	<i>Asabellides oculata</i> (polychaete)	2.11	2.12	100	840
7	<i>Oligochaeta</i> spp. (oligochaete)	1.86	1.86	88	739
8	<i>Scolecopsis bousfieldi</i> (polychaete)	1.52	1.52	72	605
9	<i>Cylichna oryza</i> (gastropod)	1.14	1.14	54	454
10	<i>Pandora gouldiana</i> (bivalve)	0.89	0.89	42	353
	Total - 10 taxa	91.23	91.38	4317	36277
	Remaining infauna – 42 taxa	8.77	--	415	3487
	Total infauna - 52 taxa	100.00	--	4732	39765
	Three (3) epifaunal taxa present				

February 2000: Station WLEB1 - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	33.16	33.19	1149	9575
2	<i>Macoma tenta</i> (bivalve)	15.18	15.19	526	4383
3	<i>Mediomastus ambiseta</i> (polychaete)	12.50	12.51	433	3608
4	Oligochaeta spp. (oligochaete)	7.82	7.83	271	2258
5	<i>Acteocina canaliculata</i> (gastropod)	7.45	7.45	258	2150
6	<i>Sabaco elongatus</i> (polychaete)	2.91	2.92	101	842
7	<i>Yoldia limatula</i> (bivalve)	2.80	2.80	97	808
8	<i>Cylichna oryza</i> (gastropod)	2.37	2.37	82	683
9	<i>Cirratulus</i> sp. 1 (polychaete)	2.05	2.05	71	592
10	<i>Scolecopsis bousfieldi</i> (polychaete)	1.70	1.70	59	492
	Total - 10 taxa	87.94	88.01	3047	25392
	Remaining infauna – 40 taxa	12.06	--	418	3483
	Total infauna - 50 taxa	100.00	--	3465	28875
	No epifaunal taxa present				

July 2000: Station WLEB1 - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	47.49	47.59	2027	17034
2	<i>Mediomastus ambiseta</i> (polychaete)	15.70	15.73	670	5630
3	<i>Macoma tenta</i> (bivalve)	9.68	9.70	413	3471
4	Oligochaeta spp. (oligochaete)	5.41	5.42	231	1941
5	<i>Acteocina canaliculata</i> (gastropod)	2.98	2.98	127	1067
6	<i>Cossura</i> sp. 1 (polychaete)	1.92	1.93	82	689
6	<i>Sabaco elongatus</i> (polychaete)	1.92	1.93	82	689
7	<i>Scolecopsis bousfieldi</i> (polychaete)	1.71	1.71	73	613
8	<i>Asabellides oculata</i> (polychaete)	1.52	1.53	65	546
9	<i>Ampharete finmarchica</i> (polychaete)	1.48	1.48	63	529
10	<i>Carinomella lactea</i> (nemertean)	1.38	1.39	59	496
	Total - 11 taxa	91.19	91.38	3892	32706
	Remaining infauna – 43 taxa	8.81	--	376	3160
	Total infauna - 54 taxa	100.00	--	4268	35866
	Two (2) epifaunal taxa present				

February 2000: Station WLMDI - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Mediomastus ambiseta</i> (polychaete)	17.93	18.07	303	2525
2	<i>Macoma tenta</i> (bivalve)	13.49	13.60	228	1900
3	<i>Tharyx</i> sp. 3 (polychaete)	12.01	12.10	203	1692
4	<i>Ampharete finmarchica</i> (polychaete)	10.89	10.97	184	1533
5	Oligochaeta spp. (oligochaete)	6.63	6.68	112	933
6	<i>Asabellides oculata</i> (polychaete)	5.09	5.13	86	717
7	<i>Euclymene collari</i> (polychaete)	3.79	3.82	64	533
8	<i>Cossura</i> sp. 1 (polychaete)	3.73	3.76	63	525
9	<i>Acteocina canaliculata</i> (gastropod)	3.43	3.46	58	483
10	<i>Pitar morrhuana</i> (bivalve)	2.54	2.56	43	358
	Total - 10 taxa	79.53	80.14	1344	11200
	Remaining infauna – 47 taxa	20.47	--	346	2883
	Total infauna - 57 taxa	100.00	--	1690	14083
	Two (2) epifaunal taxa present				

July 2000: Station WLMDI - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Mediomastus ambiseta</i> (polychaete)	18.12	18.14	495	4160
2	<i>Nucula annulata</i> (bivalve)	15.34	15.35	419	3521
3	<i>Ampharete finmarchica</i> (polychaete)	15.23	15.24	416	3496
4	<i>Macoma tenta</i> (bivalve)	10.91	10.92	298	2504
5	<i>Tharyx</i> sp. 1B (polychaete)	7.61	7.62	208	1748
6	<i>Asabellides oculata</i> (polychaete)	6.19	6.19	169	1420
7	<i>Cossura</i> sp. 1 (polychaete)	3.77	3.77	103	866
8	<i>Acteocina canaliculata</i> (gastropod)	3.73	3.74	102	857
9	Oligochaeta spp. (oligochaete)	2.71	2.71	74	622
10	<i>Pherusa affinis</i> (polychaete)	2.23	2.24	61	513
	Total - 10 taxa	85.83	85.93	2345	19706
	Remaining infauna - 40 taxa	14.17	--	387	3252
	Total infauna - 50 taxa	100.00	--	2732	22958
	Three (3) epifaunal taxa present				

February 2000: Station WLSTH - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Macoma tenta</i> (bivalve)	18.10	18.26	460	3833
2	<i>Nucula annulata</i> (bivalve)	15.86	16.00	403	3358
3	<i>Mediomastus ambiseta</i> (polychaete)	11.49	11.59	292	2433
4	<i>Ampharete finmarchica</i> (polychaete)	8.42	8.50	214	1783
5	<i>Acteocina canaliculata</i> (gastropod)	6.53	6.59	166	1383
6	<i>Tellina agilis</i> (bivalve)	5.90	5.95	150	1250
7	<i>Yoldia limatula</i> (bivalve)	5.67	5.72	144	1200
8	<i>Sabaco elongatus</i> (polychaete)	4.05	4.09	103	858
9	<i>Cylichna oryza</i> (gastropod)	2.48	2.50	63	525
10	Oligochaeta spp. (oligochaete)	2.28	2.30	58	483
	Total - 10 taxa	80.79	81.50	2053	17108
	Remaining infauna - 48 taxa	19.21	--	488	4067
	Total infauna - 58 taxa	100.00	--	2541	21175
	No epifaunal taxa present				

July 2000: Station WLSTH - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	19.46	19.53	587	4933
2	<i>Ampharete finmarchica</i> (polychaete)	16.81	16.87	507	4261
3	<i>Mediomastus ambiseta</i> (polychaete)	13.63	13.67	411	3454
4	<i>Macoma tenta</i> (bivalve)	9.22	9.25	278	2336
5	<i>Tharyx</i> sp. 1B (polychaete)	5.34	5.36	161	1353
6	<i>Asabellides oculata</i> (polychaete)	5.21	5.22	157	1319
7	<i>Pitar morrhuana</i> (bivalve)	3.22	3.23	97	815
8	<i>Euclymene collaris</i> (polychaete)	2.95	2.96	89	748
9	<i>Acteocina canaliculata</i> (gastropod)	2.79	2.79	84	706
10	<i>Pherusa affinis</i> (polychaete)	1.92	1.93	58	487
	Total - 10 taxa	80.54	80.81	2429	20412
	Remaining infauna - 55 taxa	19.46	--	587	4933
	Total infauna - 65 taxa	100.00	--	3016	25345
	Four (4) epifaunal taxa present				

February 2000: Station WLW5H - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	49.48	49.70	1001	8342
2	<i>Mediomastus ambiseta</i> (polychaete)	11.96	12.02	242	2017
3	<i>Macoma tenta</i> (bivalve)	7.76	7.80	157	1308
4	<i>Acteocina canaliculata</i> (gastropod)	7.61	7.65	154	1283
5	<i>Cossura</i> sp. 1 (polychaete)	5.49	5.51	111	925
6	<i>Cylichna oryza</i> (gastropod)	3.21	3.23	65	542
7	Oligochaeta spp. (oligochaete)	1.58	1.59	32	267
8	<i>Asabellides oculata</i> (polychaete)	1.48	1.49	30	250
9	<i>Carinomella lactea</i> (nemertean)	1.19	1.19	24	200
10	<i>Tharyx</i> sp. 3 (polychaete)	1.14	1.14	23	192
	Total - 10 taxa	90.90	91.31	1839	15325
	Remaining infauna - 33 taxa	9.10	--	184	1533
	Total infauna - 43 taxa	100.00	--	2023	16858
	No epifaunal taxa present				

July 2000: Station WLW5H - 3 replicates					
Rank	Species	Percent of total infauna	Percent of identified infauna	Total count (3 reps)	Density (ind./m ²)
1	<i>Nucula annulata</i> (bivalve)	31.80	31.85	1265	10630
2	<i>Mediomastus ambiseta</i> (polychaete)	16.62	16.64	661	5555
3	<i>Ampharete finmarchica</i> (polychaete)	8.77	8.79	349	2933
4	<i>Asabellides oculata</i> (polychaete)	8.57	8.59	341	2866
5	<i>Macoma tenta</i> (bivalve)	8.22	8.23	327	2748
6	<i>Cossura</i> sp. 1 (polychaete)	3.54	3.55	141	1185
7	<i>Acteocina canaliculata</i> (gastropod)	3.32	3.32	132	1109
8	<i>Pherusa affinis</i> (polychaete)	2.79	2.79	111	933
9	<i>Tharyx</i> sp. 1B (polychaete)	2.31	2.32	92	773
10	Oligochaeta spp. (oligochaete)	1.51	1.51	60	504
	Total - 10 taxa	87.46	87.59	3479	29235
	Remaining infauna - 47 taxa	12.54	--	499	4193
	Total infauna - 57 taxa	100.00	--	3978	33429
	One (1) epifaunal taxon present				

PCA-H CODE NUMBERS FOR WLIS SPECIES

Code	Species	Code	Species
1	<i>Acteocina canaliculata</i>	51	<i>Neomysis americana</i>
2	<i>Ampelisca abdita</i>	52	<i>Nephasoma diaphanes</i>
3	<i>Ampelisca vadorum</i>	53	<i>Nephtys bucera</i>
4	<i>Ampharete finmarchica</i>	54	<i>Nephtys incisa</i>
5	<i>Amphiporus angulatus</i>	55	<i>Nephtys picta</i>
6	<i>Anadara transversa</i>	56	<i>Nicolea venustula</i>
7	<i>Aphelochaeta</i> sp. 1	57	<i>Nucula annulata</i>
8	<i>Aricidea catherinae</i>	58	<i>Nucula delphinodonta</i>
9	<i>Asabellides oculata</i>	59	<i>Odostomia eburnea</i>
10	<i>Autolytus prolifer</i>	60	<i>Odostomia hendersoni</i>
11	<i>Bivalvia</i> sp. 1	61	<i>Oligochaeta</i> spp.
12	<i>Brada villosa</i>	62	<i>Owenia</i> sp. 1
13	<i>Cancer irroratus</i>	63	<i>Owenia</i> sp. 2
14	<i>Carazziella hobsonae</i>	64	<i>Oxyurostylis smithi</i>
15	<i>Carinomella lactea</i>	65	<i>Pandora gouldiana</i>
16	<i>Cerebratulus lacteus</i>	66	<i>Panopeus herbstii</i>
17	<i>Ceriantheopsis americanus</i>	67	<i>Parametopella cypris</i>
18	<i>Cirratulus</i> sp. 1	68	<i>Paranaitis speciosa</i>
19	<i>Clymenella torquata</i>	69	<i>Pectinaria gouldii</i>
20	<i>Cossura</i> sp. 1	70	<i>Phascolion strombi</i>
21	<i>Crangon septemspinosus</i>	71	<i>Pherusa affinis</i>
22	<i>Cylichna oryza</i>	72	<i>Pholoe longa</i>
23	<i>Dipolydora socialis</i>	73	<i>Phoronis architecta</i>
24	<i>Dyspanopeus sayi</i>	74	<i>Phoxocephalus holbolli</i>
25	<i>Edotia triloba</i>	75	<i>Phyllodoce arenae</i>
26	<i>Edwardsia elegans</i>	76	<i>Pinnixa chaetoptera</i>
27	<i>Ensis directus</i>	77	<i>Pista</i> cf. <i>maculata</i>
28	<i>Epitonium rupicola</i>	78	<i>Pista palmata</i>
29	<i>Eteone heteropoda</i>	79	<i>Pitar morrhuana</i>
30	<i>Euclymene collaris</i>	80	<i>Polycirrus eximius</i>
31	<i>Euspira heros</i>	81	<i>Polydora cornuta</i>
32	<i>Fargoa bartschi</i>	82	<i>Prionospio steenstrupi</i>
33	<i>Flabellina</i> sp. 1	83	<i>Rictaxis punctostriatus</i>
34	<i>Glycera americana</i>	84	<i>Sabaco elongatus</i>
35	<i>Gyptis vittata</i>	85	<i>Saccoglossus kowalevskii</i>
36	<i>Harmothoe extenuata</i>	86	<i>Scalibregma inflatum</i>
37	<i>Holothuroidea</i> sp. 1	87	<i>Scolelepis bousfieldi</i>
38	<i>Ilyanassa trivittata</i>	88	<i>Scoletoma</i> ?sp. 2
39	<i>Jassa marmorata</i>	89	<i>Sigambra tentaculata</i>
40	<i>Leitoscoloplos robustus</i>	90	<i>Spiochaetopterus oculatus</i>
41	<i>Leptocheirus pinguis</i>	91	<i>Stereobalanus canadensis</i>
42	<i>Leptosynapta tenuis</i>	92	<i>Streblospio benedicti</i>
43	<i>Leucon americanus</i>	93	<i>Syllis</i> (T.) <i>alternata</i>
44	<i>Levinsenia gracilis</i>	94	<i>Tellina agilis</i>
45	<i>Lyonsia hyalina</i>	95	<i>Tharyx</i> sp. 1B
46	<i>Macoma tenta</i>	96	<i>Tharyx</i> sp. 3
47	<i>Mediomastus ambiseta</i>	97	<i>Turbellaria</i> sp. 1
48	<i>Melinna cristata</i>	98	<i>Turbonilla elegantula</i>
49	<i>Mitrella lunata</i>	99	<i>Turbonilla sumneri</i>
50	<i>Mulinia lateralis</i>	100	<i>Unciola irrorata</i>
		101	<i>Yoldia limatula</i>
		102	<i>Zaops maculatus</i>