

**APPENDIX D**

**BENTHIC DATA**



Appendix Table D-1. Benthic species in sediments collected along transects off Kelly Island during October 2001										
Taxonomic Group	Species Name	KIS_3	KIS_5	KIS_7	KIM_3	KIM_5	KIM_7	KIN_3	KIN_5	KIN_7
Nemertinea	Nemertinea	34	23	114	34	11	51	34	40	57
Annelida: Polychaeta	<i>Asabellides oculata</i>	85	250	34	597	11	28	51		767
	<i>Eteone foliosa</i>			6						
	<i>Eteone heteropoda</i>	6	11	17				6	6	6
	<i>Glycera dibranchiata</i>			6	6	6				
	<i>Glycinde solitaria</i>	23	142	324	108	114	330	119	119	312
	<i>Heteromastus filiformis</i>					6	6		11	11
	<i>Leitoscoloplos robustus</i>	17							6	6
	<i>Leitoscoloplos</i> spp.	34	68	45	85	62		51	40	
	<i>Mediomastus ambiseta</i>	159	1119	3028	932	398	1886	4392	1977	1131
	<i>Microphthalmus szelkowitzii</i>			6						
	<i>Neanthes succinea</i>		11	34	6			11	6	6
	<i>Paraprionospio pinnata</i>						6			
	<i>Pectinaria gouldii</i>			6	11					6
	<i>Polydora cornuta</i>		6	45				6		6
	<i>Sabellaria vulgaris</i>			40						
	<i>Spiophanes bombyx</i>							6		
	<i>Streblospio benedicti</i>	40	585	381	205	80	375	1477	739	23
Annelida: Oligochaeta	Oligochaeta	568	3068	722	381	290	3687	10494	9256	1017
Mollusca: Gastropoda	<i>Acteocina canaliculata</i>	17	51	142	91	74	193	11	6	722
	<i>Astyris lunata</i>			6						
	<i>Boonea impressa</i>		62		352		17		40	23
	Gastropoda			6	51					
	<i>Ilyanassa obsoleta</i>	6			6		11		6	11
	<i>Nassarius trivittatus</i>		11							
	<i>Odostomia engonia</i>									6
	<i>Odostomia</i> spp.						6			34
	<i>Polinices duplicata</i>			6	6					
Mollusca: Bivalvia	Bivalvia	6			6	6				6
	<i>Gemma gemma</i>	45	472	68	983	142	6	2136	210	
	<i>Geukensia demissa</i>				6					
	<i>Lyonsia hyalina</i>									6
	<i>Macoma balthica</i>	28	6					6		
	<i>Macoma mitchelli</i>		6		6			11	6	

Appendix Table D-1. Cont'd										
Taxonomic Group	Species Name	KIS_3	KIS_5	KIS_7	KIM_3	KIM_5	KIM_7	KIN_3	KIN_5	KIN_7
	<i>Mulinia lateralis</i>	409	1636	330	2068	1619	1159	500	676	170
	<i>Mya arenaria</i>				28			6	6	
Arthropoda: Mysiacea	<i>Neomysis americana</i>			6						
Arthropoda: Cumacea	<i>Leucon americanus</i>			6	17	17	85	28	284	40
	<i>Oxyurostylis smithi</i>			11			17		6	6
Arthropoda: Isopoda	<i>Edotea triloba</i>		6		23			6		97
	<i>Synidotea laticauda</i>	131	216	40	227		91	528	187	131
Arthropoda: Amphipoda	<i>Ameroculodes</i> species complex									6
	<i>Ampelisca abdita</i>		91	28	239	6	40	74	153	74
	<i>Ampelisca verrilli</i>			6						
	<i>Incisocalliope aestuarius</i>			6					6	
	<i>Melita nitida</i>						6			6
	<i>Unciola</i> spp.			6						
Arthropoda: Decapoda	<i>Crangon septemspinosa</i>			6					6	
	<i>Pinnixa chaetoptera</i>									6
Arthropoda: Chironomidae	Chironomidae					6				
Chordata: Ascidiacea	<i>Bostrichobranchus pilularis</i>			6						

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 3-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> )		Biomass (g/m <sup>2</sup> )
	Total	>= 2cm	Total
Annelida : Oligochaeta			
Oligochaeta	568		0.00227
Annelida : Polychaeta			
Asabellides oculata	136		0.04091
Glycera dibranchiata	23	23	0.25682
Glycinde solitaria	136		0.00455
Leitoscoloplos spp.	23		0.00227
Mediomastus ambiseta	1136		0.03864
Pectinaria gouldii	23		0.00114
Streblospio benedicti	386		0.00909
Arthropoda : Amphipoda			
Ampelisca abdita	364		0.01364
Arthropoda : Cumacea			
Leucon americanus	45		0.00114
Arthropoda : Isopoda			
Synidotea laticauda	227		0.08636
Mollusca : Bivalvia			
Gemma gemma	864		0.33864
Mulinia lateralis	1614		2.95226
Mya arenaria	68		0.02045
Mollusca : Gastropoda			
Acteocina canaliculata	91		0.02955
Boonea impressa	159		0.00455
Ilyanassa obsolota	23	23	2.92272
Polinices duplicata	23		6.08862
Nemertinea			
Nemertinea	45		0.00227
<b>Total</b>	<b>5955</b>	<b>45</b>	<b>12.81587</b>
<b>Number of Taxa</b>	<b>19</b>		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 3-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total		Biomass (g/m <sup>2</sup> ) Total
Annelida : Oligochaeta			
Oligochaeta	341		0.00455
Annelida : Polychaeta			
Asabellides oculata	250		0.05455
Glycinde solitaria	91		0.00682
Leitoscoloplos spp.	91		0.00682
Mediomastus ambisetia	568		0.01591
Streblospio benedicti	182		0.00682
Arthropoda : Amphipoda			
Ampelisca abdita	68		0.00909
Arthropoda : Cumacea			
Leucon americanus	23		0.00227
Arthropoda : Isopoda			
Edotea triloba	23		0.00114
Synidotea laticauda	68		0.00682
Mollusca : Bivalvia			
Gemma gemma	864		0.32727
Macoma mitchelli	23		0.02273
Mulinia lateralis	1591	23	2.67045
Mollusca : Gastropoda			
Acteocina canaliculata	114		0.03182
Boonea impressa	295		0.01591
Gastropoda	23		0.00114
Nemertinea			
Nemertinea	23		0.00114
Total	4636	23	3.18522
Number of Taxa	16		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 3-3      REP : 3		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	386	0.00455	
Annelida : Polychaeta			
Asabellides oculata	1773	0.38864	
Glycinde solitaria	114	0.00682	
Leitoscoloplos spp.	23	0.00114	
Mediomastus ambiseta	1364	0.02500	
Neanthes succinea	23	0.00114	
Pectinaria gouldii	23	0.02273	
Streblospio benedicti	205	0.00455	
Arthropoda : Amphipoda			
Ampelisca abdita	364	0.03182	
Arthropoda : Isopoda			
Edotea triloba	45	0.00455	
Synidotea laticauda	386	0.33182	
Mollusca : Bivalvia			
Gemma gemma	1068	0.73182	
Geukensia demissa	23	0.00227	
Mulinia lateralis	2841	6.43862	
Mya arenaria	23	0.00909	
Mollusca : Gastropoda			
Acteocina canaliculata	136	0.02045	
Boonea impressa	795	0.05000	
Nemertinea			
Nemertinea	45	0.00114	
Total	9636	8.07611	
Number of Taxa	18		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 3-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	227	0.00455	
Annelida : Polychaeta			
Asabellides oculata	227	0.06591	
Glycinde solitaria	91	0.00455	
Leitoscoloplos spp.	205	0.01364	
Mediomastus ambiseta	659	0.01818	
Streblospio benedicti	45	0.00227	
Arthropoda : Amphipoda			
Ampelisca abdita	159	0.00682	
Arthropoda : Isopoda			
Edotea triloba	23	0.00114	
Synidotea lateralis	227	0.04318	
Mollusca : Bivalvia			
Bivalvia	23	0.11591	
Gemma gemma	1136	0.46363	
Mulinia lateralis	2227	3.58408	
Mya arenaria	23	0.00682	
Mollusca : Gastropoda			
Acteocina canaliculata	23	0.01364	
Boonea impressa	159	0.00909	
Gastropoda	182	0.00455	
Nemertinea			
Nemertinea	23	0.02045	
Total	5659	4.37840	
Number of Taxa	16		



Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 5-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	136	0.00227	
Annelida : Polychaeta			
Asabellides oculata	23	0.00227	
Glycinde solitaria	159	0.02273	
Heteromastus filiformis	23	0.01136	
Leitoscoloplos spp.	114	0.00227	
Mediomastus ambiseta	159	0.00455	
Streblospio benedicti	23	0.00227	
Arthropoda : Amphipoda			
Annelisca abdita	23	0.00114	
Mollusca : Bivalvia			
Gemma gemma	295	0.26136	
Mulinia lateralis	1636	1.82499	
Mollusca : Gastropoda			
Acteocina canaliculata	91	0.01591	
Total	2682	2.15113	
Number of Taxa	11		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 5-2		REP : 2	SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m		
TAXA	Abundance (#/m <sup>2</sup> )		Biomass (g/m <sup>2</sup> )	
	Total	>= 2cm	Total	
Annelida : Oligochaeta	636		0.00114	
Oligochaeta				
Annelida : Polychaeta				
Glycera dibranchiata	23	23	0.12500	
Glycinde solitaria	205		0.02273	
Mediomastus ambiseta	1000		0.02955	
Streblospio benedicti	159		0.00682	
Arthropoda : Chironomidae				
Chironomidae	23		0.00682	
Arthropoda : Cumacea				
Leucon americanus	45		0.00455	
Mollusca : Bivalvia				
Bivalvia	23		0.00455	
Gemma gemma	45		0.03864	
Mulinia lateralis	1432		3.49772	
Mollusca : Gastropoda				
Acteocina canaliculata	68		0.02045	
Nemertinea				
Nemertinea	23		0.00455	
Total	3682	23	3.76249	
Number of Taxa	12			

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 5-3      REP : 3		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	114	0.00682	
Oligochaeta			
Annelida : Polychaeta			
Asabellides oculata	23	0.00455	
Leitoscoloplos spp.	91	0.02045	
Mediomastus ambiseta	273	0.00909	
Streblospio benedicti	23	0.00909	
Mollusca : Bivalvia			
Gemma gemma	182	0.14545	
Mulinia lateralis	1750	2.72726	
Mollusca : Gastropoda			
Acteocina canaliculata	114	0.02273	
Total	2568	2.94545	
Number of Taxa	8		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 5-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	273	0.00455	
Annelida : Polychaeta			
Glycinde solitaria	91	0.01136	
Leitoscoloplos spp.	45	0.00227	
Mediomastus ambiseta	159	0.00114	
Streblospio benedicti	114	0.00455	
Arthropoda : Cumacea			
Leucon americanus	23	0.00114	
Mollusca : Bivalvia			
Gemma gemma	45	0.02955	
Mulinia lateralis	1659	3.54544	
Mollusca : Gastropoda			
Acteocina canaliculata	23	0.00455	
Nemertinea			
Nemertinea	23	0.00682	
Total	2455	3.61135	
Number of Taxa	10		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 7-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	2409	0.04545	
Annelida : Polychaeta			
Asabellides oculata	114	0.04545	
Glycinde solitaria	273	0.02500	
Mediomastus ambiseta	2159	0.07045	
Paraprionospio pinnata	23	0.00455	
Streblospio benedicti	477	0.01136	
Arthropoda : Amphipoda			
Ampelisca abdita	45	0.00114	
Melita nitida	23	0.00114	
Arthropoda : Cumacea			
Leucon americanus	136	0.00227	
Oxyurostylis smithi	45	0.00114	
Arthropoda : Isopoda			
Synidotea lateralis	318	0.00114	
Mollusca : Bivalvia			
Mulinia lateralis	1091	0.94545	
Mollusca : Gastropoda			
Acteocina canaliculata	295	0.01591	
Boonea impressa	23	0.00114	
Nemertinea			
Nemertinea	45	0.11364	
Total	7477	1.28522	
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 7-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	3455	0.06818	
Annelida : Polychaeta			
Glycinde solitaria	386	0.04773	
Heteromastus filiformis	23	0.08409	
Mediomastus ambiseta	2205	0.06818	
Streblospio benedicti	386	0.00909	
Arthropoda : Amphipoda			
Ampelisca abdita	68	0.00227	
Arthropoda : Cumacea			
Leucon americanus	68	0.00455	
Oxyurostylis smithi	23	0.00114	
Mollusca : Bivalvia			
Mulinia lateralis	1068	1.88408	
Mollusca : Gastropoda			
Acteocina canaliculata	68	0.01136	
Odostomia spp.	23	0.00227	
Nemertinea			
Nemertinea	23	0.00455	
Total	7795	2.18749	
Number of Taxa	12		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 7-3      REP : 3		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	5409	0.09318	
Annelida : Polychaeta			
Glycinde solitaria	341	0.05000	
Mediomastus ambiseta	1614	0.04545	
Streblospio benedicti	318	0.01136	
Arthropoda : Amphipoda			
Ampelisca abdita	23	0.00227	
Arthropoda : Cumacea			
Leucon americanus	91	0.00114	
Arthropoda : Isopoda			
Synidotea laticauda	45	0.00455	
Mollusca : Bivalvia			
Gemma gemma	23	0.00114	
Mulinia lateralis	1364	1.65681	
Mollusca : Gastropoda			
Acteocina canaliculata	182	0.01591	
Boonea impressa	23	0.00227	
Ilyanassa obsoleta	45	1.64772	
Nemertinea			
Nemertinea	68	0.00227	
Total	9545	3.53408	
Number of Taxa	13		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIM 7-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : Middle		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	3477	0.07045	
Annelida : Polychaeta			
Glycinde solitaria	318	0.00455	
Mediomastus ambiseta	1568	0.04773	
Streblospio benedicti	318	0.01591	
Arthropoda : Amphipoda			
Ameliscia abdita	23	0.00114	
Arthropoda : Cumacea			
Leucon americanus	45	0.00114	
Mollusca : Bivalvia			
Mulinia lateralis	1114	1.42954	
Mollusca : Gastropoda			
Acteocina canaliculata	227	0.02727	
Boonea impressa	23	0.00682	
Nemertinea			
Nemertinea	68	0.00114	
Total	7182	1.60568	
Number of Taxa	10		



Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 3-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	16818	0.19318	
Annelida : Polychaeta			
Asabellides oculata	159	0.04318	
Eteone heteropoda	23	0.00227	
Glycinde solitaria	182	0.01818	
Leitoscoloplos spp.	68	0.00227	
Mediomastus ambiseta	8705	0.39545	
Streblospio benedicti	1455	0.05227	
Arthropoda : Amphipoda			
Annelisca abdita	91	0.00455	
Arthropoda : Cumacea			
Leucon americanus	23	0.00455	
Arthropoda : Isopoda			
Edotea triloba	23	0.00455	
Synidotea lateralis	1773	2.19999	
Mollusca : Bivalvia			
Gemma gemma	2386	0.92272	
Macoma mitchelli	23	0.02955	
Mulinia lateralis	409	0.69091	
Nemertinea			
Nemertinea	114	0.01136	
Total	32250	4.57499	
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 3-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	9636	0.11136	
Annelida : Polychaeta			
Asabellides oculata	45	0.01364	
Glycinde solitaria	136	0.01364	
Leitoscoloplos spp.	45	0.00227	
Mediomastus ambiseta	5023	0.14318	
Neanthes succinea	45	0.05455	
Streblospio benedicti	3341	0.05000	
Arthropoda : Amphipoda			
Ameliscia abdita	159	0.00909	
Arthropoda : Isopoda			
Synidotea lateralis	182	0.28636	
Mollusca : Bivalvia			
Gemma gemma	3523	1.81590	
Macoma balthica	23	0.07727	
Macoma mitchelli	23	0.00114	
Mulinia lateralis	591	0.85000	
Mya arenaria	23	0.00455	
Mollusca : Gastropoda			
Acteocina canaliculata	45	0.02500	
Nemertinea			
Nemertinea	23	0.00114	
Total	22864	3.45908	
Number of Taxa	16		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 3-3 TRANSECT : North	REP : 3	SAMPLING GEAR : Young Grab SAMPLED AREA : 0.044 sq. m
TAXA	Abundance (#/m <sup>2</sup> ) Total >= 2cm	Biomass (g/m <sup>2</sup> ) Total
Annelida : Oligochaeta	7932	0.11136
Oligochaeta		
Annelida : Polychaeta		
Glycinde solitaria	136	0.01136
Leitoscoloplos spp.	91	0.01136
Mediomastus ambiseta	2159	0.18182
Spiophanes bombyx	23	0.00114
Streblospio benedicti	614	0.02500
Mollusca : Bivalvia		
Gemma gemma	568	0.23864
Mulinia lateralis	523	0.45682
Total	12045	1.03750
Number of Taxa	8	

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 3-4	REP : 4	SAMPLING GEAR : Young Grab
TRANSECT : North		SAMPLED AREA : 0.044 sq. m
=====		
TAXA	Abundance (#/m <sup>2</sup> ) Total >= 2cm	Biomass (g/m <sup>2</sup> ) Total
Annelida : Oligochaeta		
Oligochaeta	7591	0.11364
Annelida : Polychaeta		
Glycinde solitaria	23	0.00114
Mediomastus ambiseta	1682	0.07727
Polydora cornuta	23	0.00114
Streblospio benedicti	500	0.02955
Arthropoda : Amphipoda		
Ampelisca abdita	45	0.00227
Arthropoda : Cumacea		
Leucon americanus	91	0.00114
Arthropoda : Isopoda		
Synidotea lateralis	159	0.24318
Mollusca : Bivalvia		
Gemma gemma	2068	0.88863
Mulinia lateralis	477	0.63863
Total	12659	1.99658
Number of Taxa	10	
=====		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 5-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> )	Biomass (g/m <sup>2</sup> )	
	Total	Total	
Annelida : Oligochaeta			
Oligochaeta	7955		0.17273
Annelida : Polychaeta			
Glycinde solitaria	182		0.00909
Mediomastus ambiseta	2023		0.09318
Streblospio benedicti	591		0.02500
Arthropoda : Amphipoda			
Annelisca abdita	91		0.00909
Incisocalliope aestuarius	23		0.00114
Arthropoda : Cumacea			
Leucon americanus	568		0.02045
Arthropoda : Isopoda			
Synidotea lateralis	68		0.01136
Mollusca : Bivalvia			
Gemma gemma	68		0.01364
Mulinia lateralis	409		0.51363
Nemertinea			
Nemertinea	23		0.00114
Total	12000		0.87045
Number of Taxa	11		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 5-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	11909	0.18182	
Oligochaeta			
Annelida : Polychaeta			
Glycinde solitaria	91	0.00909	
Leitoscoloplos spp.	68	0.00455	
Mediomastus ambiseta	2159	0.07273	
Streblospio benedicti	818	0.03182	
Arthropoda : Amphipoda			
Ampelisca abdita	205	0.00682	
Arthropoda : Cumacea			
Leucon americanus	159	0.00455	
Oxyurostylis smithi	23	0.00227	
Mollusca : Bivalvia			
Gemma gemma	227	0.06364	
Mulinia lateralis	614	0.86818	
Mya arenaria	23	0.00455	
Nemertinea			
Nemertinea	45	0.00114	
Total	16341	1.25113	
Number of Taxa	12		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 5-3      REP : 3		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	6773	0.12727	
Annelida : Polychaeta			
Glycinde solitaria	68	0.00227	
Leitoscoloplos robustus	23	0.13864	
Leitoscoloplos spp.	45	0.00114	
Mediomastus ambiseta	2114	0.09545	
Streblospio benedicti	614	0.02045	
Arthropoda : Amphipoda			
Ampelisca abdita	91	0.00227	
Arthropoda : Cumacea			
Leucon americanus	91	0.00455	
Arthropoda : Decapoda			
Crangon septemspinosus	23	0.00909	
Arthropoda : Isopoda			
Synidotea lateralis	341	0.08182	
Mollusca : Bivalvia			
Gemma gemma	273	0.08864	
Macoma mitchelli	23	0.08864	
Mulinia lateralis	773	0.15682	
Nemertinea			
Nemertinea	91	0.08409	
Total	11341	0.90113	
Number of Taxa	13		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 5-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	10386	0.18409	
Oligochaeta			
Annelida : Polychaeta			
Eteone heteropoda	23	0.00227	
Glycinde solitaria	136	0.00455	
Heteromastus filiformis	45	0.00909	
Leitoscoloplos spp.	45	0.02045	
Mediomastus ambiseta	1614	0.04773	
Neanthes succinea	23	0.00455	
Streblospio benedicti	932	0.03636	
Arthropoda : Amphipoda			
Ampelisca abdita	227	0.02045	
Arthropoda : Cumacea			
Leucon americanus	318	0.00227	
Arthropoda : Isopoda			
Synidotea lateralis	341	0.08864	
Mollusca : Bivalvia			
Gemma gemma	273	0.09545	
Mulinia lateralis	909	1.43181	
Mollusca : Gastropoda			
Acteocina canaliculata	23	0.00909	
Boonea impressa	159	0.01136	
Ilyanassa obsoleta	23	1.55681	
Total	15477	3.52499	
Number of Taxa	16		



Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 7-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	705		0.00682
Annelida : Polychaeta			
Asabellides oculata	727		0.43636
Glycinde solitaria	477		0.04318
Mediomastus ambiseta	955		0.02727
Neanthes succinea	23		0.00455
Pectinaria gouldii	23		0.00455
Streblospio benedicti	23		0.00114
Arthropoda : Amphipoda			
Ameroculodes species complex	23		0.00114
Ampelisca abdita	45		0.00227
Arthropoda : Cumacea			
Leucon americanus	68		0.00227
Oxyurostylis smithi	23		0.00455
Arthropoda : Isopoda			
Edotea triloba	250		0.01136
Synidotea laticauda	409		0.00114
Mollusca : Bivalvia			
Mulinia lateralis	114		0.21818
Mollusca : Gastropoda			
Acteocina canaliculata	818		0.03409
Boonea impressa	68		0.00114
Ilyanassa obsolleta	23		0.20682
Odostomia spp.	136		0.01591
Nemertinea			
Nemertinea	68		0.00227
Total	4977		1.02500
Number of Taxa	19		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 7-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	1636	0.01818	
Oligochaeta			
Annelida : Polychaeta			
Asabellides oculata	23	0.00455	
Eteone heteropoda	23	0.00114	
Glycinde solitaria	295	0.03182	
Heteromastus filiformis	23	0.05682	
Mediomastus ambisetia	1409	0.04545	
Streblospio benedicti	45	0.00114	
Arthropoda : Amphipoda			
Ameliscia abdita	45	0.00909	
Arthropoda : Cumacea			
Leucon americanus	45	0.00455	
Arthropoda : Decapoda			
Pinnixa chaetoptera	23	0.20454	
Arthropoda : Isopoda			
Edotea triloba	23	0.00227	
Mollusca : Bivalvia			
Bivalvia	23	0.00114	
Mulinia lateralis	182	0.11364	
Mollusca : Gastropoda			
Acteocina canaliculata	977	0.06136	
Boonea impressa	23	0.00455	
Nemertinea			
Nemertinea	45	0.00455	
Total	4841	0.56477	
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 7-3      REP : 3		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	1205	0.01364	
Oligochaeta			
Annelida : Polychaeta			
Asabellides oculata	818	0.31591	
Glycinde solitaria	182	0.01591	
Heteromastus filiformis	23	0.05909	
Mediomastus ambiseta	977	0.02500	
Polydora cornuta	23	0.00227	
Streblospio benedicti	23	0.00682	
Arthropoda : Amphipoda			
Ameliscia abdita	68	0.00682	
Melita nitida	23	0.00114	
Arthropoda : Cumacea			
Leucon americanus	23	0.00114	
Arthropoda : Isopoda			
Synidotea lateralis	23	0.00682	
Mollusca : Bivalvia			
Mulinia lateralis	114	0.15000	
Mollusca : Gastropoda			
Acteocina canaliculata	545	0.03182	
Nemertinea			
Nemertinea	45	0.00114	
Total	4091	0.63750	
Number of Taxa	14		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIN 7-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : North		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total		Biomass (g/m <sup>2</sup> ) Total
Annelida : Oligochaeta			
Oligochaeta	523		0.01136
Annelida : Polychaeta			
Asabellides oculata	1500		0.71136
Glycinde solitaria	295		0.06364
Leitoscoloplos robustus	23		0.10455
Mediomastus ambiseta	1182		0.03636
Arthropoda : Amphipoda			
Ampelisca abdita	136		0.00227
Arthropoda : Cumacea			
Leucon americanus	23		0.00114
Arthropoda : Isopoda			
Edotea triloba	114		0.00455
Synidotea laticauda	91		0.01818
Mollusca : Bivalvia			
Lyonsia hyalina	23		0.01136
Mulinia lateralis	273		0.43636
Mollusca : Gastropoda			
Acteocina canaliculata	545		0.01591
Ilyanassa obsoleta	23	23	2.55226
Odostomia engonia	23		0.00114
Nemertinea			
Nemertinea	68		0.00909
Total	4841	23	3.97953
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 3-1 TRANSECT : South	REP : 1	SAMPLING GEAR : Young Grab SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> )		Biomass (g/m <sup>2</sup> )
	Total	>= 2cm	Total
Annelida : Oligochaeta	1250		0.01818
Oligochaeta			
Annelida : Polychaeta			
Asabellides oculata	114	23	0.05000
Leitoscoloplos spp.	91		0.00682
Mediomastus ambiseta	477		0.02500
Streblospio benedicti	91		0.00227
Arthropoda : Isopoda			
Synidotea laticauda	45		0.00682
Mollusca : Bivalvia			
Bivalvia	23	23	3.80453
Macoma balthica	23		0.01591
Mulinia lateralis	364		0.56136
Mollusca : Gastropoda			
Acteocina canaliculata	23		0.00227
Nemertinea			
Nemertinea	23		0.00227
Total	2523	45	4.49544
Number of Taxa	11		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 3-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	318	0.00909	
Oligochaeta			
Annelida : Polychaeta			
Asabellides oculata	205	0.12273	
Eteone heteropoda	23	0.00455	
Glycinde solitaria	68	0.01364	
Mediomastus ambiseta	68	0.00114	
Streblospio benedicti	23	0.00227	
Arthropoda : Isopoda			
Synidotea lateralis	364	0.07955	
Mollusca : Bivalvia			
Gemma gemma	68	0.02273	
Macoma balthica	68	0.25682	
Mulinia lateralis	477	0.60454	
Mollusca : Gastropoda			
Acteocina canaliculata	23	0.00455	
Ilyanassa obsoleta	23	2.24090	
Nemertinea			
Nemertinea	68	0.02500	
Total	1795	3.38749	
Number of Taxa	13		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 3-3	REP : 3	SAMPLING GEAR : Young Grab
TRANSECT : South		SAMPLED AREA : 0.044 sq. m
=====		
TAXA	Abundance (#/m <sup>2</sup> ) Total >= 2cm	Biomass (g/m <sup>2</sup> ) Total
-----	-----	-----
Annelida : Oligochaeta		
Oligochaeta	364	0.00455
Annelida : Polychaeta		
Asabellides oculata	23	0.00909
Glycinde solitaria	23	0.00227
Leitoscoloplos robustus	23	0.19091
Mediomastus ambisetia	45	0.00114
Streblospio benedicti	45	0.00114
Arthropoda : Isopoda		
Synidotea lateralis	91	0.00682
Mollusca : Bivalvia		
Gemma gemma	45	0.00114
Mulinia lateralis	318	0.56136
-----	-----	-----
Total	977	0.77841
Number of Taxa	9	
=====		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 3-4	REP : 4	SAMPLING GEAR : Young Grab
TRANSECT : South		SAMPLED AREA : 0.044 sq. m
=====		
TAXA	Abundance (#/m <sup>2</sup> ) Total >= 2cm	Biomass (g/m <sup>2</sup> ) Total
-----	-----	-----
Annelida : Oligochaeta	341	0.00455
Oligochaeta		
Annelida : Polychaeta		
Leitoscoloplos robustus	45	0.43636
Leitoscoloplos spp.	45	0.00227
Mediomastus ambiseta	45	0.00114
Arthropoda : Isopoda		
Synidotea laticauda	23	0.00114
Mollusca : Bivalvia		
Gemma gemma	68	0.00909
Macoma balthica	23	0.03636
Mulinia lateralis	477	0.48409
Mollusca : Gastropoda		
Acteocina canaliculata	23	0.00455
Nemertinea		
Nemertinea	45	0.00114
-----	-----	-----
Total	1136	0.98068
Number of Taxa	9	
=====		



Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 5-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	2386	0.03409	
Annelida : Polychaeta			
Asabellides oculata	159	0.07273	
Glycinde solitaria	182	0.00909	
Leitoscoloplos spp.	23	0.00455	
Mediomastus ambiseta	636	0.01818	
Streblospio benedicti	477	0.01818	
Arthropoda : Amphipoda			
Ampelisca abdita	91	0.00227	
Arthropoda : Isopoda			
Synidotea laticauda	114	0.00114	
Mollusca : Bivalvia			
Gemma gemma	159	0.05000	
Mulinia lateralis	1386	2.42272	
Mollusca : Gastropoda			
Acteocina canaliculata	23	0.00909	
Nemertinea			
Nemertinea	23	13.26132	
Total	5659	15.90336	
Number of Taxa	12		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 5-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta	5205	0.06591	
Oligochaeta			
Annelida : Polychaeta			
Asabellides oculata	205	0.04318	
Eteone heteropoda	23	0.00114	
Glycinde solitaria	114	0.00455	
Leitoscoloplos spp.	182	0.01364	
Mediomastus ambiseta	2295	0.05682	
Neanthes succinea	45	0.04545	
Polydora cornuta	23	0.00227	
Streblospio benedicti	727	0.02955	
Arthropoda : Amphipoda			
Ampelisca abdita	114	0.00227	
Arthropoda : Isopoda			
Synidotea laticauda	295	0.39091	
Mollusca : Bivalvia			
Gemma gemma	273	0.04318	
Macoma balthica	23	0.03636	
Mulinia lateralis	1273	2.48181	
Nemertinea			
Nemertinea	45	0.00227	
Total	10841	3.21931	
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 5-3	REP : 3	SAMPLING GEAR : Young Grab
TRANSECT : South		SAMPLED AREA : 0.044 sq. m
=====		
TAXA	Abundance (#/m <sup>2</sup> ) Total >= 2cm	Biomass (g/m <sup>2</sup> ) Total
Annelida : Oligochaeta		
Oligochaeta	2545	0.04091
Annelida : Polychaeta		
Asabellides oculata	91	0.01818
Glycinde solitaria	114	0.00682
Mediomastus ambiseta	591	0.01818
Streblospio benedicti	659	0.03864
Arthropoda : Amphipoda		
Ampelisca abdita	68	0.00682
Arthropoda : Isopoda		
Edotea triloba	23	0.00114
Synidotea laticauda	114	0.04545
Mollusca : Bivalvia		
Gemma gemma	705	0.06818
Mulinia lateralis	1705	3.61590
Mollusca : Gastropoda		
Acteocina canaliculata	45	0.00682
Boonea impressa	23	0.00227
Nemertinea		
Nemertinea	23	0.00227
Total	6705	3.87158
Number of Taxa	13	
=====		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 5-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	2136	0.03864	
Annelida : Polychaeta			
Asabellides oculata	545	0.20000	
Eteone heteropoda	23	0.00114	
Glycinde solitaria	159	0.01364	
Leitoscoloplos spp.	68	0.00227	
Mediomastus ambiseta	955	0.02727	
Streblospio benedicti	477	0.02045	
Arthropoda : Amphipoda			
Annelisca abdita	91	0.00227	
Arthropoda : Isopoda			
Synidotea lateralis	341	0.65454	
Mollusca : Bivalvia			
Gemma gemma	750	0.10000	
Macoma mitchelli	23	0.04318	
Mulinia lateralis	2182	5.32044	
Mollusca : Gastropoda			
Acteocina canaliculata	136	0.01136	
Boonea impressa	227	0.00909	
Nassarius trivittatus	45	0.20682	
Total	8159	6.65112	
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 7-1      REP : 1		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	1227	0.01591	
Annelida : Polychaeta			
Asabellides oculata	45	0.02500	
Glycinde solitaria	295	0.01364	
Leitoscoloplos spp.	23	0.00114	
Mediomastus ambiseta	4159	0.09091	
Neanthes succinea	23	0.00114	
Polydora cornuta	45	0.00114	
Sabellaria vulgaris	68	0.00455	
Streblospio benedicti	500	0.00909	
Arthropoda : Amphipoda			
Ampelisca abdita	68	0.00227	
Ampelisca verrilli	23	0.00114	
Arthropoda : Cumacea			
Oxyurostylis smithi	45	0.00227	
Arthropoda : Isopoda			
Synidotea laticauda	68	0.01136	
Arthropoda : Mysidacea			
Neomysis americana	23	0.00227	
Chordata : Ascidiacea			
Bostriochobranthus pilularis	23	0.68182	
Mollusca : Bivalvia			
Gemma gemma	91	0.00114	
Mulinia lateralis	432	0.27500	
Mollusca : Gastropoda			
Acteocina canaliculata	227	0.01136	
Gastropoda	23	0.00114	
	Total	Total	>= 2cm
Nemertinea			
Nemertinea	227	0.02273	
	Total		
Total	7636	1.17500	
Number of Taxa	20		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 7-2      REP : 2		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	591	0.00682	
Annelida : Polychaeta			
Asabellides oculata	23	0.00909	
Glycinde solitaria	409	0.05227	
Leitoscoloplos spp.	23	0.00682	
Mediomastus ambiseta	3500	0.08636	
Pectinaria gouldii	23	0.12045	
Sabellaria vulgaris	23	0.02500	
Streblospio benedicti	295	0.01591	
Arthropoda : Amphipoda			
Unciola spp.	23	0.00455	
Arthropoda : Cumacea			
Leucon americanus	23	0.00227	
Arthropoda : Decapoda			
Crangon septemspinosus	23	0.18636	
Mollusca : Bivalvia			
Gemma gemma	114	0.04091	
Mulinia lateralis	341	0.26136	
Mollusca : Gastropoda			
Acteocina canaliculata	159	0.01591	
Nemertinea			
Nemertinea	91	0.00909	
Total	5659	0.84318	
Number of Taxa	15		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 7-3      REP : 3		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	386	0.01136	
Annelida : Polychaeta			
Eteone heteropoda	45	0.00114	
Glycinde solitaria	250	0.02727	
Leitoscoloplos spp.	45	0.00114	
Mediomastus ambiseta	1864	0.05000	
Streblospio benedicti	227	0.00114	
Arthropoda : Amphipoda			
Ampelisca abdita	23	0.00227	
Mollusca : Bivalvia			
Gemma gemma	23	0.01136	
Mulinia lateralis	318	0.12955	
Mollusca : Gastropoda			
Acteocina canaliculata	159	0.02273	
Polinices duplicata	23	0.02273	
Nemertinea			
Nemertinea	68	0.01136	
Total	3432	0.29204	
Number of Taxa	12		

Benthic Macroinvertebrate Abundance and Biomass (Ash-Free Dry Weight) Data  
Kelly Island

STATION : KIS 7-4      REP : 4		SAMPLING GEAR : Young Grab	
TRANSECT : South		SAMPLED AREA : 0.044 sq. m	
TAXA	Abundance (#/m <sup>2</sup> ) Total	Biomass (g/m <sup>2</sup> ) Total	
Annelida : Oligochaeta			
Oligochaeta	682	0.00909	
Annelida : Polychaeta			
Asabellides oculata	68	0.07045	
Eteone foliosa	23	0.00682	
Eteone heteropoda	23	0.00455	
Glycera dibranchiata	23	0.01818	
Glycinde solitaria	341	0.02045	
Leitoscoloplos spp.	91	0.12045	
Mediomastus ambi seta	2591	0.07045	
Microphthalmus szelkowi	23	0.00114	
Neanthes succinea	114	0.02955	
Polydora cornuta	136	0.00455	
Sabellaria vulgaris	68	0.02045	
Streblospio benedicti	500	0.01818	
Arthropoda : Amphipoda			
Annelisca abdita	23	0.00455	
Inci socalliope aestuarius	23	0.00114	
Arthropoda : Isopoda			
Synidotea laticauda	91	0.00227	
Mollusca : Bivalvia			
Gemma gemma	45	0.00114	
Mulinia lateralis	227	0.16591	
Mollusca : Gastropoda			
Acteocina canaliculata	23	0.00227	
Astyris lunata	23	0.00114	
	Total	Total	>= 2cm
Nemertinea			
Nemertinea	68	0.00227	
Total	5205	0.57500	
Number of Taxa	21		