

APPENDIX I

**BENTHIC MACROINVERTEBRATE
CLASSIFICATION**

Phylum	Class	Order	Family	McKenzie 01	McKenzie 02
Annelida	Hirudinea				
Annelida	Oligochaeta				1
Annelida	Oligochaeta	Haplotaxida	Enchytraeidae		
Annelida	Aeolosomata	Aeolosomata	Aeolosomatidae		
Arthropoda	Arachnida	Actinedida	Hydrachnidiae	1	
Arthropoda	Insecta	Diptera	-		
Arthropoda	Insecta	Coleoptera	Staphylinidae		
Arthropoda	Insecta	Coleoptera	Elmidae		
Arthropoda	Insecta	Diptera	Ceratopogonidae		
Arthropoda	Insecta	Diptera	Chironomidae	8	7
Arthropoda	Insecta	Diptera	Tanyderidae		
Arthropoda	Insecta	Diptera	Simuliidae		1
Arthropoda	Insecta	Diptera	Athericidae	2	
Arthropoda	Insecta	Diptera	Empididae		
Arthropoda	Insecta	Diptera	Tipulidae		
Arthropoda	Insecta	Ephemeroptera	Caenidae		
Arthropoda	Insecta	Ephemeroptera	Ephemerellidae	2	
Arthropoda	Insecta	Ephemeroptera	Ephemeridae		
Arthropoda	Insecta	Ephemeroptera	Heptageniidae	2	4
Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae		
Arthropoda	Insecta	Ephemeroptera	Polymitarcyidae		
Arthropoda	Insecta	Ephemeroptera	Corixidae		
Arthropoda	Insecta	Ephemeroptera	Libellulidae		
Arthropoda	Insecta	Ephemeroptera	Siphonuridae		
Arthropoda	Insecta	Ephemeroptera	Baetiscidae		
Arthropoda	Insecta	Ephemeroptera	Baetidae	7	4
Arthropoda	Insecta	Hemiptera	Corixidae		
Arthropoda	Insecta	Plecoptera	Chloroperlidae	4	
Arthropoda	Insecta	Plecoptera	Capniidae		2
Arthropoda	Insecta	Plecoptera	Leuctridae		
Arthropoda	Insecta	Plecoptera	Nemouridae		
Arthropoda	Insecta	Plecoptera	Taeniopterygidae	1	
Arthropoda	Insecta	Plecoptera	Perlodidae		
Arthropoda	Insecta	Trichoptera	Hydropsychidae		1
Arthropoda	Insecta	Trichoptera	Brachycentridae		
Arthropoda	Insecta	Trichoptera	Hydroptilidae	1	
Arthropoda	Insecta	Trichoptera	Limnephilidae		
Arthropoda	Insecta	Trichoptera	Polycentropodidae		
Arthropoda	Insecta	Trichoptera	Gossosomatidae		
Arthropoda	Insecta	Trichoptera	Odontoceridae		
Arthropoda	Insecta	Trichoptera	Lepidostomatidae		1
Arthropoda	Insecta	Odonata	Anisoptera		
Arthropoda	Malacostraca	Amphipoda			
Mollusca	Bivalvia				
Mollusca	Gastropoda				
Mollusca	Gastropoda	Prosobranchia	Valvatidae		
Fish Eggs					

McKenzie 03	Mckenzie 04	McKenzie 05
	1	1
	1	
	1	
16	20	18
1		
3	5	6
3	2	2
	2	
7	19	5
2	3	
	4	
		1
	3	1
1	1	

APPENDIX J

SEAL SAMPLING DATA

Sample ID	Length (cm)	Weight (kg)	Zone	Easting	Northing	Age	dC13	dN15	Muscle Hg	Liver Hg	
RS01	91.4	63.5	21	325107	5948343	1	-18.62	14.58	0.160	0.980	
RS02	61.0	27.2	21	338132	5955820	0	-19.28	16.28	0.014	0.180	
RS03	61.0	27.2	21	326520	5936915	0	-19.38	16.52	0.073	0.400	
RS04	61.0	27.2	21	317923	5946889	0	-19.52	16.91	0.073	0.750	
RS05	61.0	27.2	21	358198	5960127	0	-19.03	16.60	0.021	0.160	
RS06	114.3	90.7	21	323609	5949816	6	-18.50	15.16	0.180	13.000	
RS07	61.0	27.2	21	345401	5956338	0	-20.94	15.45	0.036	0.170	
RS08	61.0	27.2	21	314596	5941593	0	-18.67	16.41	0.012	0.210	
RS09	61.0	27.2	21	313166	5937747	0	-19.16	16.58	0.051	0.180	
RS10	61.0	27.2	21	315060	5946562	0	-19.37	16.11	0.070	0.280	
RS11	61.0	27.2	21	317698	5938099	0	-19.53	17.08	0.023	0.580	
RS12	61.0	27.2	21	341202	5953286	0	-19.10	15.96	0.018	0.110	
RS13	101.6	81.6	21	316850	5943803	6	-18.59	15.76	0.210	14.000	
RS14	61.0	27.2	21	317902	5970773	0	-19.48	16.45	0.081	0.350	
RS15	61.0	27.2	21	348805	5957382	0	-18.83	17.07	<0.010	0.220	
RS16	114.3	90.7	21	328869	5955914	7	-18.38	14.98	0.210	38.000	
RS17	91.4	54.4	21	330218	5944490	0	-19.07	16.47	0.028	0.180	
RS18	61.0	27.2	21	317087	5937628	0	-19.30	16.52	0.022	0.170	
RS19	Tag Wet, position, length, weight not recorded						0	-19.58	16.78	0.031	0.340
RS20	61.0	27.2	21	318983	5944426	0	-19.04	16.44	0.035	0.170	
RS21	61.0	27.2	21	338324	5953239	0	-18.83	17.76	0.073	0.430	
RS22	61.0	27.2	21	314642	5948456	0	-20.13	14.06	0.046	0.370	
RS23	61.0	27.2	21	345109	5954962	0	-19.07	16.13	0.026	0.035	
RS24	61.0	27.2	21	314184	5950365	0	-18.99	16.31	0.021	0.200	
RS25	61.0	27.2	21	348337	5958144	0	-19.36	16.07	0.031	0.290	
RS26	61.0	27.2	21	352788	5959917	0	-19.01	15.94	0.028	0.120	
RS27	91.4	68.0	21	354169	5962307	6	-18.38	15.58	0.380	62.000	
RS28	121.9	113.4	21	359092	5965060	10	-19.15	15.35	6.300	110.000	
RS29	61.0	27.2	21	347829	5961065	0	-18.75	16.39	0.037	0.180	
RS30	63.5	27.2	21	322776	5943703	0	-19.02	17.08	0.160	1.700	