

Appendix 8.8a Benthos Survey Results (Abundance) during Dry Season

Phylum	Family	Species	E1			E2		
			R1	R2	R3	R1	R2	R3
Mollusca	Arcidae	<i>Anadara satowi</i>	0	0	0	5	6	10
Mollusca	Arcidae	<i>Anadara vellicata</i>	0	0	2	1	1	0
Mollusca	Mytilidae	<i>Arcuatula japonica</i>	0	0	0	0	0	2
Mollusca	Mytilidae	<i>Arcuatula senhousia</i>	3	2	4	0	6	7
Mollusca	Veneridae	<i>Circe scripta</i>	0	1	1	0	1	0
Annelida	Eunicidae	<i>Eunice indica</i>	0	1	2	2	4	4
Annelida	Glyceridae	<i>Glycera alba</i>	0	0	0	0	0	1
Annelida	Goniadidae	<i>Glycinde gurjanovae</i>	7	6	10	0	0	2
Mollusca	Tellinidae	<i>Hanleyanus oblongus</i>	0	0	1	0	0	0
Arthropoda	Ischyroceridae	<i>Jassa</i> sp.	0	0	0	0	0	1
Annelida	Amphinomidae	<i>Linopherus paucibranchiata</i>	1	2	8	0	0	0
Mollusca	Veneridae	<i>Lioconcha fastigiata</i>	0	1	0	0	0	0
Annelida	Eunicidae	<i>Lysidice ninetta</i>	0	0	0	0	0	1
Annelida	Spionidae	<i>Malacoceros</i> sp.	1	1	6	1	1	1
Mollusca	Mytilidae	<i>Modiolus nipponicus</i>	0	0	6	93	19	73
Nemertea		Nemertea spp.	3	0	0	0	0	0
Annelida	Phyllodocidae	<i>Nereiphylla castanea</i>	1	0	0	0	0	0
Annelida	Onuphidae	<i>Onuphis eremita</i>	3	2	4	1	0	3
Annelida	Opheliidae	<i>Ophelina acuminata</i>	1	0	1	0	0	0
Annelida	Lacydoniidae	<i>Paralacydonia paradox</i>	0	0	1	0	0	0
Annelida	Poecilochaetidae	<i>Poecilochaetus</i> sp.	0	0	0	0	0	1
Annelida	Spionidae	<i>Prionospio</i> sp.	0	0	0	0	0	1
Arthropoda	Processidae	<i>Processa japonica</i>	1	2	3	10	3	4
Annelida	Pilargidae	<i>Sigambra hanaokai</i>	0	0	0	0	0	1
Sipuncula	Sipunculidae	<i>Sipunculus nudus</i>	0	0	2	0	0	0
Annelida	Syllidae	<i>Syllis</i> sp.	0	0	0	0	0	1
Annelida	Cirratulidae	<i>Tharyx</i> sp.	0	0	0	0	0	1

Appendix 8.8b Benthos Survey Results (Biomass) during Dry Season

Phylum	Family	Species	E1			E2		
			R1	R2	R3	R1	R2	R3
Mollusca	Arcidae	<i>Anadara satowi</i>				19.58	26.59	41.01
Mollusca	Arcidae	<i>Anadara vellicata</i>			2.66	2.38	0.30	
Mollusca	Mytilidae	<i>Arcuatula japonica</i>						0.29
Mollusca	Mytilidae	<i>Arcuatula senhousia</i>	0.93	0.99	1.01		2.17	0.26
Mollusca	Veneridae	<i>Circe scripta</i>		0.61	2.32		3.41	
Annelida	Eunicidae	<i>Eunice indica</i>		0.00	0.00	0.00	0.00	0.01
Annelida	Glyceridae	<i>Glycera alba</i>						
Annelida	Goniadidae	<i>Glycinde gurjanovae</i>	0.03	0.02	0.06			0.01
Mollusca	Tellinidae	<i>Hanleyanus oblongus</i>			0.73			
Arthropoda	Ischyroceridae	<i>Jassa</i> sp.						0.00
Annelida	Amphinomidae	<i>Linopherus paucibranchiata</i>	0.00	0.00	0.01			
Mollusca	Veneridae	<i>Lioconcha fastigiata</i>		0.43				
Annelida	Eunicidae	<i>Lysidice ninetta</i>						
Annelida	Spionidae	<i>Malacoceros</i> sp.	0.00	0.00	0.01	0.00	0.00	
Mollusca	Mytilidae	<i>Modiolus nipponicus</i>			3.06	14.03	3.31	9.95
Nemertea		Nemertea spp.	0.08					
Annelida	Phyllodocidae	<i>Nereiphylla castanea</i>	0.00					
Annelida	Onuphidae	<i>Onuphis eremita</i>	0.00	0.00	0.01	0.00		0.01
Annelida	Opheliidae	<i>Ophelina acuminata</i>	0.00		0.00			
Annelida	Lacydoniidae	<i>Paralacydonia paradox</i>			0.00			
Annelida	Poecilochaetidae	<i>Poecilochaetus</i> sp.						
Annelida	Spionidae	<i>Prionospio</i> sp.						
Arthropoda	Processidae	<i>Processa japonica</i>	0.06	0.02	0.05	1.45	0.10	
Annelida	Pilargidae	<i>Sigambra hanaokai</i>						
Sipuncula	Sipunculidae	<i>Sipunculus nudus</i>			2.28			
Annelida	Syllidae	<i>Syllis</i> sp.						
Annelida	Cirratulidae	<i>Tharyx</i> sp.						

Appendix 8.8c Benthos Survey Results (Abundance) during Wet Season

Phylum	Family	Species	E1			E2		
			R1	R2	R3	R1	R2	R3
Mollusca	Semelidae	<i>Abrina lunella</i>	1	2				
Annelida	Nephtyidae	<i>Aglaophamus dibranchis</i>	1		1			
Mollusca	Arcidae	<i>Anadara satowi</i>					3	31
Mollusca	Arcidae	<i>Anadara vellicata</i>	1	3		1	6	2
Mollusca	Corbulidae	<i>Anisocorbula scaphoides</i>				2	1	
Mollusca	Veneridae	<i>Antigona lamellaris</i>		1				
Mollusca	Mytilidae	<i>Arcuatula senhousia</i>	2	1		4	17	22
Annelida	Chrysopetalidae	<i>Bhavana brevis</i>						1
Annelida	Chaetopteridae	<i>Chaetopterus</i> sp.						1
Mollusca	Veneridae	<i>Circe scripta</i>	4		4			
Annelida	Cirratulidae	<i>Cirriformia</i> sp.		1				
Annelida	Eunicidae	<i>Eunice indica</i>	2	1	3	25	11	5
Annelida	Glyceridae	<i>Glycera chirori</i>	1				1	
Annelida	Goniadidae	<i>Glycinde gurjanovae</i>	5	3	3			
Mollusca	Tellinidae	<i>Hanleyanus oblongus</i>		1	1			
Annelida	Serpulidae	<i>Hydroides albiceps</i>	1					
Arthropoda	Ischyroceridae	<i>Jassa</i> sp.				1		
Annelida	Amphinomidae	<i>Linopherus paucibranchiata</i>	3	1	1	5		
Mollusca	Veneridae	<i>Lioconcha fastigiata</i>	2	5	1		1	
Annelida	Sabellariidae	<i>Lygdamis</i> sp.					1	
Annelida	Eunicidae	<i>Lysidice ninetta</i>		1				
Annelida	Eunicidae	<i>Marphysa sanguinea</i>			2	1		
Annelida	Capitellidae	<i>Mediomastus</i> sp.		2	1			
Mollusca	Mytilidae	<i>Modiolus nipponicus</i>	1			7	60	127
Annelida	Orbiniidae	<i>Naineris</i> sp.					1	
Nemertea		Nemertea spp.	5	2		3	1	2
Annelida	Phyllodocidae	<i>Nereiphylla castanea</i>	2					
Annelida	Capitellidae	<i>Notomastus</i> sp.	1	4		1		
Annelida	Onuphidae	<i>Onuphis eremita</i>	2	1		4	2	2
Annelida	Opheliidae	<i>Ophelina acuminata</i>	1		1	2	1	
Annelida	Lacydoniidae	<i>Paralacydonia paradox</i>	1		1	2		
Platyhelminthes		<i>Platyhelminthes</i> spp.			1			
Annelida	Spionidae	<i>Prionospio malmgreni</i>	2		1			
Arthropoda	Processidae	<i>Processa japonica</i>	2	1	1	1	1	
Echinodermata	Temnopleuridae	<i>Salmacis sphaeroides</i>		1		1		
Annelida	Dorvilleidae	<i>Schistomeringos</i> sp.				2		
Sipuncula	Sipunculidae	<i>Sipunculus nudus</i>				1		
Annelida	Syllidae	<i>Syllis</i> sp.	1					
Annelida	Trichobranchidae	<i>Terebellides stroemii</i>				1		
Annelida	Cirratulidae	<i>Tharyx</i> sp.			1			1

Appendix 8.8d Benthos Survey Results (Biomass) during Wet Season

Phylum	Family	Species	E1			E2		
			R1	R2	R3	R1	R2	R3
Mollusca	Semelidae	<i>Abrina lunella</i>	0.09	0.55				
Annelida	Nephtyidae	<i>Aglaophamus dibranchis</i>	0.00		0.00			
Mollusca	Arcidae	<i>Anadara satowi</i>					13.94	143.63
Mollusca	Arcidae	<i>Anadara vellicata</i>	0.49	1.22		0.29	2.30	0.57
Mollusca	Corbulidae	<i>Anisocorbula scaphoides</i>				1.21	0.34	
Mollusca	Veneridae	<i>Antigona lamellaris</i>		0.50				
Mollusca	Mytilidae	<i>Arcuatula senhousia</i>	0.10	0.06		0.14	0.83	0.99
Annelida	Chrysopetalidae	<i>Bhawania brevis</i>						0.00
Annelida	Chaetopteridae	<i>Chaetopterus</i> sp.						0.01
Mollusca	Veneridae	<i>Circe scripta</i>	1.15		11.15			
Annelida	Cirratulidae	<i>Cirriformia</i> sp.		0.00				
Annelida	Eunicidae	<i>Eunice indica</i>	0.01	0.00	0.03	0.17	0.10	0.03
Annelida	Glyceridae	<i>Glycera chirori</i>	0.08				0.00	
Annelida	Goniadidae	<i>Glycinde gurjanovae</i>	0.01	0.00	0.01			
Mollusca	Tellinidae	<i>Hanleyanus oblongus</i>		0.41	0.10			
Annelida	Serpulidae	<i>Hydroides albiceps</i>	0.00					
Arthropoda	Ischyroceridae	<i>Jassa</i> sp.				0.00		
Annelida	Amphinomidae	<i>Linopherus paucibranchiata</i>	0.01	0.00	0.00	0.02		
Mollusca	Veneridae	<i>Lioconcha fastigiata</i>	1.62	3.16	0.18		0.08	
Annelida	Sabellariidae	<i>Lygdamis</i> sp.					0.00	
Annelida	Eunicidae	<i>Lysidice ninetta</i>		0.00				
Annelida	Eunicidae	<i>Marphysa sanguinea</i>			0.25	0.01		
Annelida	Capitellidae	<i>Mediomastus</i> sp.		0.00	0.00			
Mollusca	Mytilidae	<i>Modiolus nipponicus</i>	0.36			1.72	8.93	20.08
Annelida	Orbiniidae	<i>Naineris</i> sp.					0.03	
Nemertea		<i>Nemertea</i> spp.	0.04	0.01		0.03	0.01	0.02
Annelida	Phyllodoceidae	<i>Nereiphylla castanea</i>	0.00					
Annelida	Capitellidae	<i>Notomastus</i> sp.	0.00	0.01		0.00		
Annelida	Onuphidae	<i>Onuphis eremita</i>	0.00	0.00		0.02	0.04	0.00
Annelida	Opheliidae	<i>Ophelina acuminata</i>	0.00		0.00	0.01	0.00	
Annelida	Lacydoniidae	<i>Paralacydonia paradox</i>	0.00		0.00	0.00		
Platyhelminthes		<i>Platyhelminthes</i> spp.			0.00			
Annelida	Spionidae	<i>Prionospio malmgreni</i>	0.00		0.00			
Arthropoda	Processidae	<i>Processa japonica</i>	0.09	0.00	0.01	0.01	0.03	
Echinodermata	Temnopleuridae	<i>Salmacis sphaeroides</i>		0.15		0.34		
Annelida	Dorvilleidae	<i>Schistomeringos</i> sp.				0.00		
Sipuncula	Sipunculidae	<i>Sipunculus nudus</i>				0.23		
Annelida	Syllidae	<i>Syllis</i> sp.	0.00					
Annelida	Trichobranchidae	<i>Terebellides stroemii</i>				0.10		
Annelida	Cirratulidae	<i>Tharyx</i> sp.			0.01			0.00