

Annex K

Soft Shore Ecology

Annex K1

Monitoring Schedule for Soft Shore Ecology

**Tung Chung New Town Extension (East)
Soft Shore Ecological Monitoring Schedule (June 2023)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Jun	2-Jun	3-Jun
4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun
	Soft Shore Monitoring at Tung Chung Bay					
11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun
18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun
	Soft Shore Monitoring at Tung Chung Bay	Soft Shore Monitoring at Tai Ho Bay				
25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	
					Soft Shore Monitoring at Tung Chung Bay	

Annex K2

Monitoring Results for Soft Shore Ecology

Table K2.1 Results for Horseshoe Crabs during Qualitative Walk-through Surveys in June 2023

Sighting #	Species	Prosomal Width (cm)	Total Length (cm)
Monitoring Date: 5 June 2023			
Monitoring Station: TCB3			
1	<i>Tachypleus tridentatus</i>	1.5	2.5
2	<i>Tachypleus tridentatus</i>	6.4	11.7
3	<i>Tachypleus tridentatus</i>	6.3	12.0
4	<i>Tachypleus tridentatus</i>	8.2	17.7
5	<i>Tachypleus tridentatus</i>	5.5	10.0
6	<i>Tachypleus tridentatus</i>	1.4	2.5
7	<i>Tachypleus tridentatus</i>	2.0	2.5
8	<i>Tachypleus tridentatus</i>	1.1	1.8
9	<i>Tachypleus tridentatus</i>	1.1	2.0
10	<i>Tachypleus tridentatus</i>	0.8	1.1
11	<i>Tachypleus tridentatus</i>	0.8	1.0
	Mean (Range)	3.2 (0.8 – 8.2)	5.9 (1.0 – 17.7)
Monitoring Date: 19 June 2023			
Monitoring Station: TCB2			
1	<i>Tachypleus tridentatus</i>	1.6	2.7
2	<i>Tachypleus tridentatus</i>	12.6	34.0
3	<i>Tachypleus tridentatus</i>	0.8	1.0
4	<i>Tachypleus tridentatus</i>	1.1	1.8
	Mean (Range)	4.0 (0.8 – 12.6)	9.9 (1.0 – 34.0)
Monitoring Date: 20 June 2023			
Monitoring Station: THW			
1	<i>Tachypleus tridentatus</i>	1.4	2.5
2	<i>Tachypleus tridentatus</i>	1.0	1.6
3	<i>Tachypleus tridentatus</i>	1.6	2.6
4	<i>Tachypleus tridentatus</i>	1.5	2.5
5	<i>Tachypleus tridentatus</i>	3.4	6.3
6	<i>Tachypleus tridentatus</i>	1.1	1.8
7	<i>Tachypleus tridentatus</i>	1.2	1.7
8	<i>Tachypleus tridentatus</i>	1.0	1.5
9	<i>Tachypleus tridentatus</i>	1.1	1.6
10	<i>Tachypleus tridentatus</i>	1.5	2.6
11	<i>Tachypleus tridentatus</i>	2.2	4.1
12	<i>Tachypleus tridentatus</i>	1.3	2.4
	Mean (Range)	1.5 (1.0 – 3.4)	2.6 (1.5 – 6.3)
Monitoring Date: 30 June 2023			
Monitoring Station: TCB1			
1	<i>Tachypleus tridentatus</i>	1.5	2.5
2	<i>Tachypleus tridentatus</i>	1.8	2.7
3	<i>Tachypleus tridentatus</i>	1.4	2.5
	Mean	1.6 (1.4 – 1.8)	2.6 (2.5 – 2.7)

Table K2.2 Results for Seagrass during Qualitative Walk-through Surveys in June 2023

Sighting #	Species	Area (m²)	Area Coverage (%)	Seagrass Area (m²)
Monitoring Date: 5 June 2023				
Monitoring Station: TCB3				
1	<i>Halophila ovalis</i>	140.0	60%	84.0
2	<i>Halophila ovalis</i>	40.0	50%	20.0
3	<i>Halophila ovalis</i>	70.0	80%	56.0
Monitoring Date: 19 June 2023				
Monitoring Station: TCB2				
1	<i>Halophila ovalis</i>	3.0	50%	1.5

Table K2.3 Results for Other Intertidal Soft Shore Communities during Qualitative Walk-through Surveys in June 2023

Monitoring Station	Shore Height *	No. of Species
TCB1	H	27
	M	25
	L	27
	Overall	39
TCB2	H	19
	M	22
	L	16
	Overall	28
TCB3	H	28
	M	33
	L	31
	Overall	43
THW	H	23
	M	23
	L	18
	Overall	32

* H: +2mCD; M: +1.5mCD; L: +1mCD

Table K2.4 Results for Other Intertidal Soft Shore Communities during Quantitative Transect Surveys in June 2023

Monitoring Station	Shore Height *	Top Three Dominant Species	Density (ind. / m ²)
TCB1	H	1 <i>Cerithidea diadjariensis</i>	475.2
		2 <i>Batillaria zonalis</i>	43.2
		3 <i>Cerithidea rhizophorarum</i>	39.2
	M	1 <i>Cerithidea diadjariensis</i>	68.8
		2 <i>Batillaria zonalis</i>	64.8
		3 <i>Cerithidea cingulata</i>	14.4
	L	1 <i>Oligochaete sp.</i>	4.8
		2 <i>Sipunculus sp.</i>	3.2
		3 <i>Nassarius festivus</i>	1.6
TCB2	H	1 <i>Cerithidea diadjariensis</i>	27.2
		2 <i>Oligochaete sp.</i>	18.4
		3 <i>Batillaria zonalis</i>	5.6
	M	1 <i>Cerithidea diadjariensis</i>	147.2
		2 <i>Batillaria zonalis</i>	41.6
		3 <i>Cerithidea cingulata</i>	24.8
	L	1 <i>Oligochaete sp.</i>	8.8
		2 <i>Hemigrapsus penicillatus</i>	0.8
		3 -	
TCB3	H	1 <i>Batillaria multiformis</i>	526.4
		2 <i>Batillaria zonalis</i>	337.6
		3 <i>Cerithidea diadjariensis</i>	275.2
	M	1 <i>Cerithidea diadjariensis</i>	100.8
		2 <i>Monodonta labio</i>	92.8
		3 <i>Batillaria multiformis</i>	60.0
	L	1 <i>Batillaria zonalis</i>	33.6
		2 <i>Cerithidea diadjariensis</i>	28.8
		3 <i>Cerithidea cingulata</i>	3.2
THW	H	1 <i>Geloina erosa</i>	25.6
		2 <i>Cerithidea diadjariensis</i>	16.0
		3 <i>Cerithidea cingulata</i>	4.8
	M	1 <i>Cerithidea diadjariensis</i>	241.6
		2 <i>Batillaria zonalis</i>	49.6
		3 <i>Cerithidea cingulata</i>	22.4
	L	1 <i>Cerithidea diadjariensis</i>	17.6
		2 <i>Nassarius festivus</i>	8.0
		3 <i>Geloina erosa</i>	6.4

* H: +2mCD; M: +1.5mCD; L: +1mCD

Group	Species	TCB1			TCB2			TCB3			THW		
		H (Qual)	M (Qual)	L (Qual)	H (Qual)	M (Qual)	L (Qual)	H (Qual)	M (Qual)	L (Qual)	H (Qual)	M (Qual)	L (Qual)
Barnacle	<i>Balanus amphitrite</i>	++	+	++		+	+	+	+	++		++	+
Barnacle	<i>Chthamalus malayensis</i>							++					
Barnacle	<i>Microeuraphia withersi</i>	++	+										
Bivalve	<i>Anomalocardia squamosa</i>									+			
Bivalve	<i>Arcuatula senhousia</i>							+		+			
Bivalve	<i>Barbatia virescens</i>		+	++		++		+	+	+			
Bivalve	<i>Coecella chinensis</i>			+									
Bivalve	<i>Geloina erosa</i>		+		+	+		+	+	+	+++	+++	++
Bivalve	<i>Hiatula diphos</i>	+				+		+	+				
Bivalve	<i>Saccostrea cucullata</i>	+	++	+	+	+	+++	+	++	+++	+	++	+++
Crab	<i>Hemigrapsus penicillatus</i>	+			+		+	+	++	+	++	++	+
Crab	<i>Hemigrapsus sanguineus</i>							+		+			
Crab	<i>Macrophthalmus sp.</i>							+	+				
Crab	<i>Metapograpus frontalis</i>			+++	++	+++	+++		+	++		++	+
Crab	<i>Metapograpus quadridemtatus</i>	+	+	++	+	+++	+++			+		++	+
Crab	<i>Perisesarma bidens</i>	+++			+++			++	+++	+	+++		
Crab	<i>Philyra pisum</i>				+						+		
Crab	<i>Uca arcuata</i>											+++	
Crab	<i>Uca borealis</i>	+++	++	++		++	+	+	++		++		
Crab	<i>Uca lactea</i>	+++	+++	++		+++	+	++	+++	++	+++	+++	+
Crab	<i>Uca splendida</i>	+++						++	++	+	+++		
Fish	<i>Periophthalmus modestus</i>	++	++	+	+++	++	+	+	++	+	+++	++	++
Gastropod	<i>Batillaria multiformis</i>	++	++	+	+	+	+	+++	++	++	+	++	+
Gastropod	<i>Batillaria zonalis</i>	+++	+++	+	++	+++	+	+++	++	++	+	+++	+
Gastropod	<i>Cellana grata</i>			+					++				
Gastropod	<i>Cellana toreuma</i>		+							+			
Gastropod	<i>Cerithidea cingulata</i>	++	++	+	+	++	+	++	++	+	++	++	+
Gastropod	<i>Cerithidea diadjarimensis</i>	+++	+++	+	+++	+++	++	+++	+++	++	+++	+++	++
Gastropod	<i>Cerithidea rhizophorarum</i>	++	+		+	+		+					
Gastropod	<i>Clytho sp.</i>			+		+		+	+		+	+	+
Gastropod	<i>Echinolittorina radiata</i>	+	+	+	+				+				
Gastropod	<i>Littoraria articulata</i>	++	++	++	+	+		+	+++	+		++	
Gastropod	<i>Littoraria melanostoma</i>	++						++			++		
Gastropod	<i>Lunella coronata</i>		+	++					+	+			+
Gastropod	<i>Monodonta labio</i>	++	+++	+++	+	+++	+	+	+++	++		+	+
Gastropod	<i>Nassarius festivus</i>	+	+	+				+++	++	+		+	++
Gastropod	<i>Nerita albicilla</i>					+			+	+++	+	+	
Gastropod	<i>Nerita chamaeleon</i>								+		+		
Gastropod	<i>Nerita polita</i>	+				+			+	+++	+	+	
Gastropod	<i>Patelloida pygmaea</i>		+	+						+			
Gastropod	<i>Planaxis sulcatus</i>	++		+						+			
Gastropod	<i>Terebralia palustris</i>										++	++	
Gastropod	<i>Terebralia sulcata</i>										+++	+++	
Gastropod	<i>Thais clavigera</i>	+						+	+	+	+		
Hermit Crab	<i>Clibanarius sp.</i>	+	+	+++	+	+	+	+	++	+	++	+	+
Hermit Crab	<i>Diogenes sp.</i>	+	+	++			+	+	+	+	+	+	+
Hermit Crab	<i>Pagurus sp.</i>		+	+						+			
Horseshoe Crab	<i>Tachypleus tridentatus</i>			+	+	+		+	++	+	+	++	
Seagrass	<i>Halophila ovalis</i>					+		++	+++	++			
Sea Slater	<i>Ligia oceanica</i>	++			++	+					+		
Worm	<i>Oligochaete sp.</i>		+	+	+++		+		+				
Worm	<i>Sipunculus sp.</i>			+					+++				

Raw Data for Quantitative Transect Survey at Tung Chung Bay and Tai Ho Wan (June 2023)

Group	Species	TCB1																	
		H1	H2	H3	H4	H5	Density (ind. / m ² or % cover)	M1	M2	M3	M4	M5	Density (ind. / m ² or % cover)	L1	L2	L3	L4	L5	Density (ind. / m ² or % cover)
Barnacle	<i>Balanus amphitrite</i>						0%		<5%				<5%						0%
Bivalve	<i>Anomalocardia squamosa</i>						0					0						0	
Bivalve	<i>Arcuatula senhousia</i>						0					0						0	
Bivalve	<i>Barbatia virescens</i>						0					0						0	
Bivalve	<i>Coecella chinensis</i>						0					0			1			0.8	
Bivalve	<i>Geloina erosa</i>						0	1			1	1.6						0	
Bivalve	<i>Hiatula diphos</i>					1	0.8					0						0	
Bivalve	<i>Saccostrea cucullata</i>					5%	1%					0%						0%	
Crab	<i>Hemigrapsus penicillatus</i>						0					0						0	
Crab	<i>Macrophthalmus sp.</i>						0					0						0	
Crab	<i>Metapograpsus frontalis</i>						0					0						0	
Crab	<i>Metapograpsus quadridentatus</i>						0					0	1					0.8	
Crab	<i>Uca lactea</i>						0			1		0.8	1					0.8	
Fish	<i>Periophthalmus modestus</i>						0					0						0	
Gastropod	<i>Batillaria multiformis</i>	10					8			2	8	8					1	0.8	
Gastropod	<i>Batillaria zonalis</i>	6	6	8	34		43.2	19	10	26	22	4	64.8	4	4		2	8	
Gastropod	<i>Cellana grata</i>						0					0						0	
Gastropod	<i>Cellana toreuma</i>						0					0						0	
Gastropod	<i>Cerithidea cingulata</i>	10	8	4	8	10	32	12		2	4	14.4						0	
Gastropod	<i>Cerithidea diajariensis</i>	110	128	118	131	107	475.2	18	44	24		68.8						0	
Gastropod	<i>Cerithidea rhizophorarum</i>	6	3	5	21	14	39.2					0						0	
Gastropod	<i>Clithon spp.</i>						0					0						0	
Gastropod	<i>Echinolittorina radiata</i>						0					0				1		0.8	
Gastropod	<i>Littoraria articulata</i>						0					0			1			0.8	
Gastropod	<i>Lunella coronata</i>						0					0						0	
Gastropod	<i>Monadonta labio</i>						0					0						0	
Gastropod	<i>Nassarius festivus</i>	2		2	1		4					0		2				1.6	
Gastropod	<i>Nerita chamealeon</i>						0					0						0	
Gastropod	<i>Nerita polita</i>						0					0						0	
Gastropod	<i>Terebralia palustris</i>						0					0						0	
Gastropod	<i>Terebralia sulcata</i>						0					0						0	
Gastropod	<i>Thais clavigera</i>					2	1.6					0						0	
Hermit Crab	<i>Diogenes sp.</i>						0					0					1	0.8	
Worm	<i>Oligochaete sp.</i>						0	2	2	3		5.6	1		3		2	4.8	
Worm	<i>Sipunculus sp.</i>						0					0		2	2			3.2	

Raw Data for Quantitative Transect Survey at Tung Chung Bay and Tai Ho Wan (June 2023)

Group	Species	TCB2																	
		H1	H2	H3	H4	H5	Density (ind. / m ² or % cover)	M1	M2	M3	M4	M5	Density (ind. / m ² or % cover)	L1	L2	L3	L4	L5	Density (ind. / m ² or % cover)
Barnacle	<i>Balanus amphitrite</i>						0%						0%						0%
Bivalve	<i>Anomalocardia squamosa</i>						0						0						0
Bivalve	<i>Arcuatula senhousia</i>						0						0						0
Bivalve	<i>Barbatia virescens</i>						0						0						0
Bivalve	<i>Coecella chinensis</i>						0						0						0
Bivalve	<i>Geloina erosa</i>	2					1.6						0						0
Bivalve	<i>Hiatula diphos</i>						0				1		0.2						0
Bivalve	<i>Saccostrea cucullata</i>			<5%			<5%	<5%	5%				1%	20%	10%	10%	<5%	25%	13%
Crab	<i>Hemigrapsus penicillatus</i>				1		0.8						0				1		0.8
Crab	<i>Macrophthalmus sp.</i>						0						0						0
Crab	<i>Metapograpus frontalis</i>			2			1.6						0						0
Crab	<i>Metapograpus quadridentatus</i>						0						0						0
Crab	<i>Uca lactea</i>						0						0						0
Fish	<i>Periophthalmus modestus</i>					1	0.8		1			3	3.2						0
Gastropod	<i>Batillaria multiformis</i>						0	1				1	1.6						0
Gastropod	<i>Batillaria zonalis</i>				7		5.6	6		18	21	7	41.6						0
Gastropod	<i>Cellana grata</i>						0						0						0
Gastropod	<i>Cellana toreuma</i>						0						0						0
Gastropod	<i>Cerithidea cingulata</i>		1		2		2.4	3	9			19	24.8						0
Gastropod	<i>Cerithidea diajariensis</i>	6	3	6	9	10	27.2	63	14	6	35	66	147.2						0
Gastropod	<i>Cerithidea rhizophorarum</i>						0	2					1.6						0
Gastropod	<i>Clithon spp.</i>						0						0						0
Gastropod	<i>Echinolittorina radiata</i>						0						0						0
Gastropod	<i>Littoraria articulata</i>						0						0						0
Gastropod	<i>Lunella coronata</i>						0						0						0
Gastropod	<i>Monadonta labio</i>						0		2	1			2.4						0
Gastropod	<i>Nassarius festivus</i>						0						0						0
Gastropod	<i>Nerita chamaeleon</i>						0						0						0
Gastropod	<i>Nerita polita</i>						0						0						0
Gastropod	<i>Terebralia palustris</i>						0						0						0
Gastropod	<i>Terebralia sulcata</i>						0						0						0
Gastropod	<i>Thais clavigera</i>						0						0						0
Hermit Crab	<i>Diogenes sp.</i>						0						0						0
Worm	<i>Oligochaete sp.</i>	4	2	10	7		18.4						0			4		7	8.8
Worm	<i>Sipunculus sp.</i>						0						0						0

Group	Species	TCB3																	
		H1	H2	H3	H4	H5	Density (ind. / m ² or % cover)	M1	M2	M3	M4	M5	Density (ind. / m ² or % cover)	L1	L2	L3	L4	L5	Density (ind. / m ² or % cover)
Barnacle	<i>Balanus amphitrite</i>						0%						0%		<5%	<5%		<5%	<5%
Bivalve	<i>Anomalocardia squamosa</i>						0						0	1					0.8
Bivalve	<i>Arcuatula senhousia</i>	3					2.4						0		2				1.6
Bivalve	<i>Barbatia virescens</i>						0				3		2.4		3				2.4
Bivalve	<i>Coecella chinensis</i>						0						0						0
Bivalve	<i>Geloina erosa</i>					1	0.8				2	1	2.4	1					0.8
Bivalve	<i>Hiatula diphos</i>	6	2	5	2		3				2		0.4						0
Bivalve	<i>Saccostrea cucullata</i>	<5%		<5%	5%	2	1%	10%	<5%		15%		5%		30%	10%	25%		13%
Crab	<i>Hemigrapsus penicillatus</i>						0				2		1.6	1					0.8
Crab	<i>Macrophthalmus sp.</i>						0	1					0.8						0
Crab	<i>Metapograpsus frontalis</i>						0						0						0
Crab	<i>Metapograpsus quadridentatus</i>						0						0						0
Crab	<i>Uca lactea</i>						0	2					1.6	1					0.8
Fish	<i>Periophthalmus modestus</i>						0						0						0
Gastropod	<i>Batillaria multiformis</i>	134	206	128	118	72	526.4	32	32	5	6		60				2		1.6
Gastropod	<i>Batillaria zonalis</i>	84	186	52	74	26	337.6	6	8	4	12	24	43.2	20	6		16		33.6
Gastropod	<i>Cellana grata</i>						0	11					8.8						0
Gastropod	<i>Cellana toreuma</i>						0	2					1.6						0
Gastropod	<i>Cerithidea cingulata</i>	6	10	34	14	12	60.8		2	4			4.8	2			2		3.2
Gastropod	<i>Cerithidea diajariensis</i>	42	42	56	116	88	275.2	18	32	44		32	100.8	4	14	4	8	6	28.8
Gastropod	<i>Cerithidea rhizophorarum</i>		1				0.8						0						0
Gastropod	<i>Clithon spp.</i>	6					4.8						0						0
Gastropod	<i>Echinolittorina radiata</i>						0	10					8						0
Gastropod	<i>Littoraria articulata</i>						0	8			3		8.8						0
Gastropod	<i>Lunella coronata</i>						0	2			2		3.2						0
Gastropod	<i>Monodonta labio</i>						0	92			24		92.8						0
Gastropod	<i>Nassarius festivus</i>	38	66	6			88					4	3.2						0
Gastropod	<i>Nerita chamaeleon</i>						0	2					1.6						0
Gastropod	<i>Nerita polita</i>						0	1					0.8						0
Gastropod	<i>Terebralia palustris</i>						0						0						0
Gastropod	<i>Terebralia sulcata</i>						0						0						0
Gastropod	<i>Thais clavigera</i>						0						0						0
Hermit Crab	<i>Diogenes sp.</i>						0						0						0
Worm	<i>Oligochaete sp.</i>						0				7		5.6						0
Worm	<i>Sipunculus sp.</i>						0	24			6		24						0

Raw Data for Quantitative Transect Survey at Tung Chung Bay and Tai Ho Wan (June 2023)

Group	Species	THW															Density (ind. / m ² or % cover)		
		H1	H2	H3	H4	H5	Density (ind. / m ² or % cover)	M1	M2	M3	M4	M5	Density (ind. / m ² or % cover)	L1	L2	L3		L4	L5
Barnacle	<i>Balanus amphitrite</i>						0%				<5%		<5%						0%
Bivalve	<i>Anomalocardia squamosa</i>						0						0						0
Bivalve	<i>Arcuatula senhousia</i>						0						0						0
Bivalve	<i>Barbatia virescens</i>						0						0						0
Bivalve	<i>Coecella chinensis</i>						0						0						0
Bivalve	<i>Geloina erosa</i>	3	16	5	5	3	25.6	8		1	3	5	13.6		4	1	1	2	6.4
Bivalve	<i>Hiatula diphos</i>						0						0						0
Bivalve	<i>Saccostrea cucullata</i>					<5%	<5%			15%			3%		30%	40%	25%		19%
Crab	<i>Hemigrapsus penicillatus</i>						0						0						0
Crab	<i>Macrophthalmus sp.</i>						0						0						0
Crab	<i>Metapograpus frontalis</i>						0						0						0
Crab	<i>Metapograpus quadridentatus</i>						0						0						0
Crab	<i>Uca lactea</i>						0						0						0
Fish	<i>Periophthalmus modestus</i>						0						0						0
Gastropod	<i>Batillaria multiformis</i>						0	5	8	6	8		21.6						0
Gastropod	<i>Batillaria zonalis</i>						0	10	4		42	6	49.6						0
Gastropod	<i>Cellana grata</i>						0						0						0
Gastropod	<i>Cellana toreuma</i>						0						0						0
Gastropod	<i>Cerithidea cingulata</i>	4	2				4.8	8	4	4	8	4	22.4						0
Gastropod	<i>Cerithidea diajariensis</i>	16	2			2	16	52	122	28	86	14	241.6		10	10	2		17.6
Gastropod	<i>Cerithidea rhizophorarum</i>						0						0						0
Gastropod	<i>Clithon spp.</i>						0						0						0
Gastropod	<i>Echinolittorina radiata</i>						0						0						0
Gastropod	<i>Littoraria articulata</i>						0						0						0
Gastropod	<i>Lunella coronata</i>						0						0						0
Gastropod	<i>Monadonta labio</i>						0						0						0
Gastropod	<i>Nassarius festivus</i>						0						0			10			8
Gastropod	<i>Nerita chamaeleon</i>						0						0						0
Gastropod	<i>Nerita polita</i>						0						0						0
Gastropod	<i>Terebralia palustris</i>						0	1					0.8						0
Gastropod	<i>Terebralia sulcata</i>				1		0.8	1	1				1.6						0
Gastropod	<i>Thais clavigera</i>						0						0						0
Hermit Crab	<i>Diogenes sp.</i>						0						0						0
Worm	<i>Oligochaete sp.</i>						0						0						0
Worm	<i>Sipunculus sp.</i>						0						0						0

Annex K3

Event and Action Plan for Soft Shore Ecology

Annex K3 Event and Action Plan for Soft Shore Ecological Monitoring

Event	Action			
	ET	IEC	ER	Contractor
Density or the distribution pattern of horseshoe crab, seagrass and intertidal soft shore communities recorded in the impact or post-construction monitoring are significantly lower than or different from those recorded in the baseline monitoring.	<ol style="list-style-type: none"> 1. Review historical data to ensure differences are as a result of natural variation or previously observed seasonal differences; 2. Identify source(s) of impact; 3. Inform the IEC, ER and Contractor; 4. Check monitoring data; 5. Discuss additional monitoring and any other measures, with the IEC, ER and Contractor. 	<ol style="list-style-type: none"> 1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review proposals for additional monitoring and any other measures submitted by the Contractor and advise the ER accordingly; 3. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Discuss with the IEC additional monitoring requirements and any other measures proposed by the ET; 2. Make agreement on the measures to be implemented. 	<ol style="list-style-type: none"> 1. Inform the ER and in writing; 2. Discuss with the ET and the IEC and propose measures to the IEC and the ER; 3. Implement the agreed measures; 4. Resubmit proposals of remedial actions if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.