

Table 3.1. *Record of horseshoe crab survey at every sampling zone.*

Species	Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)	
<u>Sampling site TC1 (Search hour = 2 hrs)</u>						
<i>Tachypleus tridentatus</i>	1	S	22° 16.996' N	113° 55.984' E	26.91	
<i>T. tridentatus</i>	1	S	22° 16.995' N	113° 55.985' E	25.34	
<i>T. tridentatus</i>	1	S	22° 16.993' N	113° 55.986' E	42.34	
<i>T. tridentatus</i>	1	S	22° 17.001' N	113° 55.982' E	25.95	
<i>T. tridentatus</i>	2	S	22° 17.004' N	113° 55.990' E	19.33	25.26
<i>T. tridentatus</i>	1	S	22° 17.006' N	113° 55.992' E	38.92	
<i>T. tridentatus</i>	1	S	22° 17.006' N	113° 55.990' E	31.15	
<i>T. tridentatus</i>	1	M	22° 17.024' N	113° 55.982' E	47.62	
<i>T. tridentatus</i>	1	M	22° 17.065' N	113° 55.985' E	29.38	
<u>Sampling site TC2 (Search hour = 2 hrs)</u>						
<i>Tachypleus tridentatus</i>	1	S	22° 16.855' N	113° 55.833' E	31.28	
<i>T. tridentatus</i>	1	M	22° 16.918' N	113° 55.900' E	19.74	

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Table 3.1 (Cont'd). *Record of horseshoe crab survey at every sampling zone.*

Species	Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)			
<u>Sampling site TC3 (Search hour = 2 hrs)</u>								
<i>Tachypleus tridentatus</i>	1	S	22° 17.061' N	113° 55.620' E	67.63			
<i>T. tridentatus</i>	1	S	22° 17.025' N	113° 55.631' E	34.83			
<i>T. tridentatus</i>	2	S	22° 17.007' N	113° 55.638' E	24.3	22.24		
<i>T. tridentatus</i>	1	S	22° 16.996' N	113° 55.653' E	24.83			
<i>T. tridentatus</i>	1	M	22° 17.023' N	113° 55.681' E	20.85			
<i>T. tridentatus</i>	1	S	22° 16.978' N	113° 55.648' E	21.39			
<u>Sampling site ST (Search hour = 3 hrs)</u>								
<i>Tachypleus tridentatus</i>	2	S	22° 17.239' N	113° 55.492' E	60.14	39.62		
<i>T. tridentatus</i>	1	S	22° 17.230' N	113° 55.492' E	25.25			
<i>T. tridentatus</i>	1	S,G	22° 17.228' N	113° 55.488' E	34.15			
<i>T. tridentatus</i>	3	S,G	22° 17.220' N	113° 55.490' E	25.63	33.45	41.42	
<i>T. tridentatus</i>	1	S,G	22° 17.215' N	113° 55.489' E	35.45			
<i>T. tridentatus</i>	4	S,G	22° 17.219' N	113° 55.476' E	31.91	33.3	47.84	41.47

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Table 3.1 (Cont'd). *Record of horseshoe crab survey at every sampling zone.*

Species	Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)									
<u>Sampling site ST (Search hour = 3 hrs)</u>														
<i>T. tridentatus</i>	4	S	22° 17.212' N	113° 55.474' E	24.05	20.91	36.85	27.77						
<i>T. tridentatus</i>	8	S	22° 17.212' N	113° 55.481' E	32.3	33.9	42.02	33.77	39.68	39.62	44.91	41.82		
<i>T. tridentatus</i>	9	S	22° 17.209' N	113° 55.487' E	29.22	47.55	34.83	36.29	35.02	44.59	39.89	41.83	30.39	
<i>T. tridentatus</i>	1	S	22° 17.209' N	113° 55.490' E	33.6									
<i>T. tridentatus</i>	1	S, G	22° 17.381' N	113° 55.463' E	43.51									
<i>T. tridentatus</i>	1	S	22° 17.382' N	113° 55.453' E	36.25									
<i>T. tridentatus</i>	1	S	22° 17.387' N	113° 55.452' E	47.79									
<i>T. tridentatus</i>	11	S	22° 17.389' N	113° 55.457' E	44.26	33.65	36.86	39.34	36.85	43	41.39	41.2	42.79	38.55
					49.7									
<i>T. tridentatus</i>	1	M	22° 17.366' N	113° 55.483' E	35.08									
<i>T. tridentatus</i>	1	M	22° 17.367' N	113° 55.485' E	29.04									
<i>T. tridentatus</i>	2	S	22° 17.195' N	113° 55.498' E	37.4	60.23								
<i>T. tridentatus</i>	1	S	22° 17.210' N	113° 55.500' E	59.39									
<i>T. tridentatus</i>	1	S	22° 17.191' N	113° 55.509' E	66.96									

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

Table 3.1 (Cont'd). *Record of horseshoe crab survey at every sampling zone.*

Species	Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)									
<u>Sampling site ST (Search hour = 3 hrs)</u>														
<i>T. tridentatus</i>	2	M	22° 17.187' N	113° 55.529' E	66.47	62.75								
<i>T. tridentatus</i>	9	S	22° 17.164' N	113° 55.509' E	25.28	26.79	46.47	28.02	31.46	59.46	35.46	29.54	35.11	
<i>T. tridentatus</i>	9	S	22° 17.172' N	113° 55.489' E	50.63	45.13	46.75	54.33	65.02	62.82	68.01	55.48	44.72	
<i>T. tridentatus</i>	7	S	22° 17.177' N	113° 55.483' E	34.22	36.1	35.02	38.21	28.41	41.65	49.36			
<i>T. tridentatus</i>	5	S	22° 17.188' N	113° 55.478' E	36.99	34.79	35.55	51.19	37.93					
<i>T. tridentatus</i>	2	S	22° 17.177' N	113° 55.471' E	26.98	31.12								
<i>T. tridentatus</i>	2	S	22° 17.159' N	113° 55.476' E	38.79	50.07								
<i>T. tridentatus</i>	3	S	22° 17.148' N	113° 55.490' E	31.19	46.19	46.37							
<i>T. tridentatus</i>	1	M	22° 17.134' N	113° 55.511' E	22.75									
Released artificially breed individuals														
<i>T. tridentatus</i>	9	S	22° 17.212' N	113° 55.483' E	31.45	28.76	32.07	34.55	33.84	38.93	32.92	38.8	56	
<i>T. tridentatus</i>	9	S	22° 17.209' N	113° 55.487' E	34.45	47.08	37.54	38.53	38.09	39.41	38.28	39.92	35.12	

Ind. #: number of Individuals (individuals in a group are shown at the same row)

Sub.: Substratum type; G = Gravel and Boulders, M = Soft mud, S = Sand

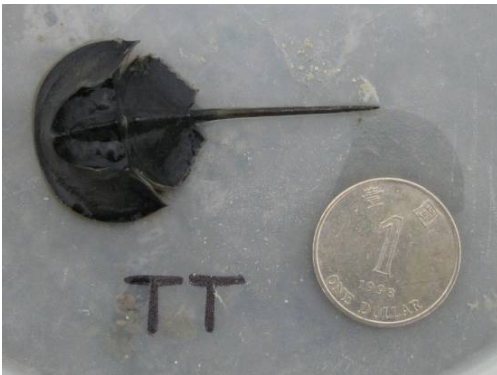
Table 3.2. *Summary of horseshoe crab survey at every sampling zone.*

	TC1	TC2	TC3	ST
Search duration (hr)	2	2	2	3
<u><i>Tachypleus tridentatus</i></u>				
no. of individuals	10	2	7	94
mean prosomal width (mm)	31.22	25.51	30.87	40.39
range of prosomal width (mm)	19.33-47.62	19.74-31.28	20.85-67.63	20.91-68.01
Search record (ind. hr ⁻¹ person ⁻¹)	2.50	0.50	1.75	15.67

TC1



TC2



TC3



Figure 3.1. Examples of photographic records of horseshoe crab *Tachypleus tridentatus* in the present survey (taken on 15 & 21 /09/2013)

ST

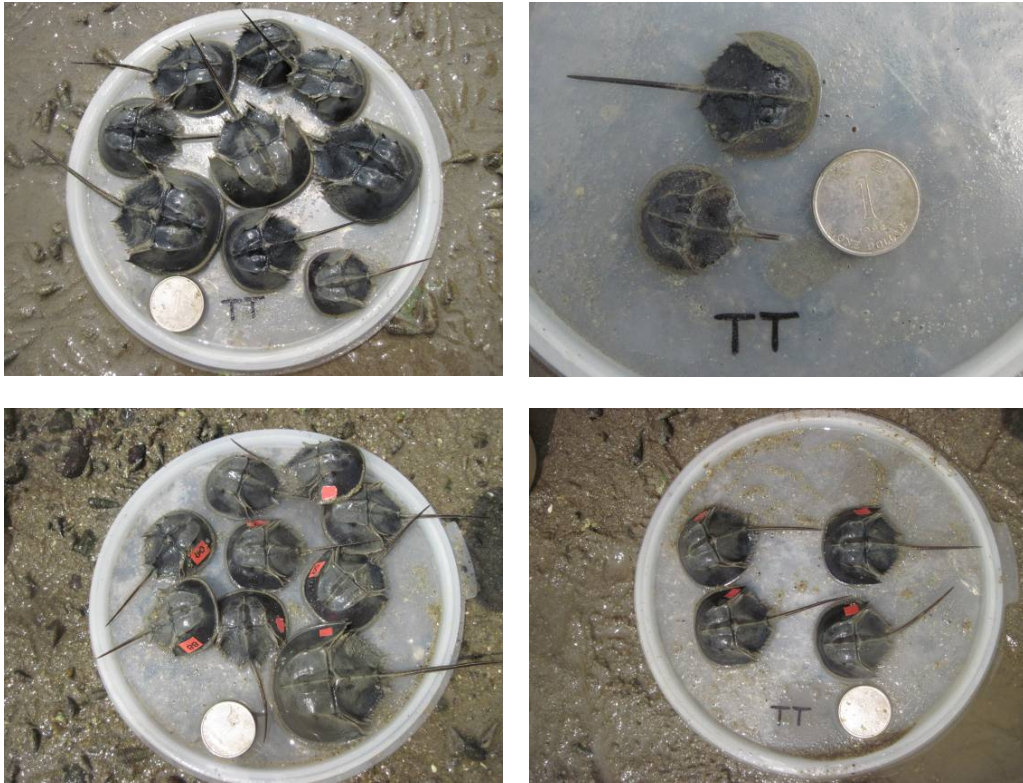


Figure 3.1 (Cont'd). Examples of photographic records of horseshoe crab *Tachypleus tridentatus* in the present survey (taken on 15 & 21 /09/2013)

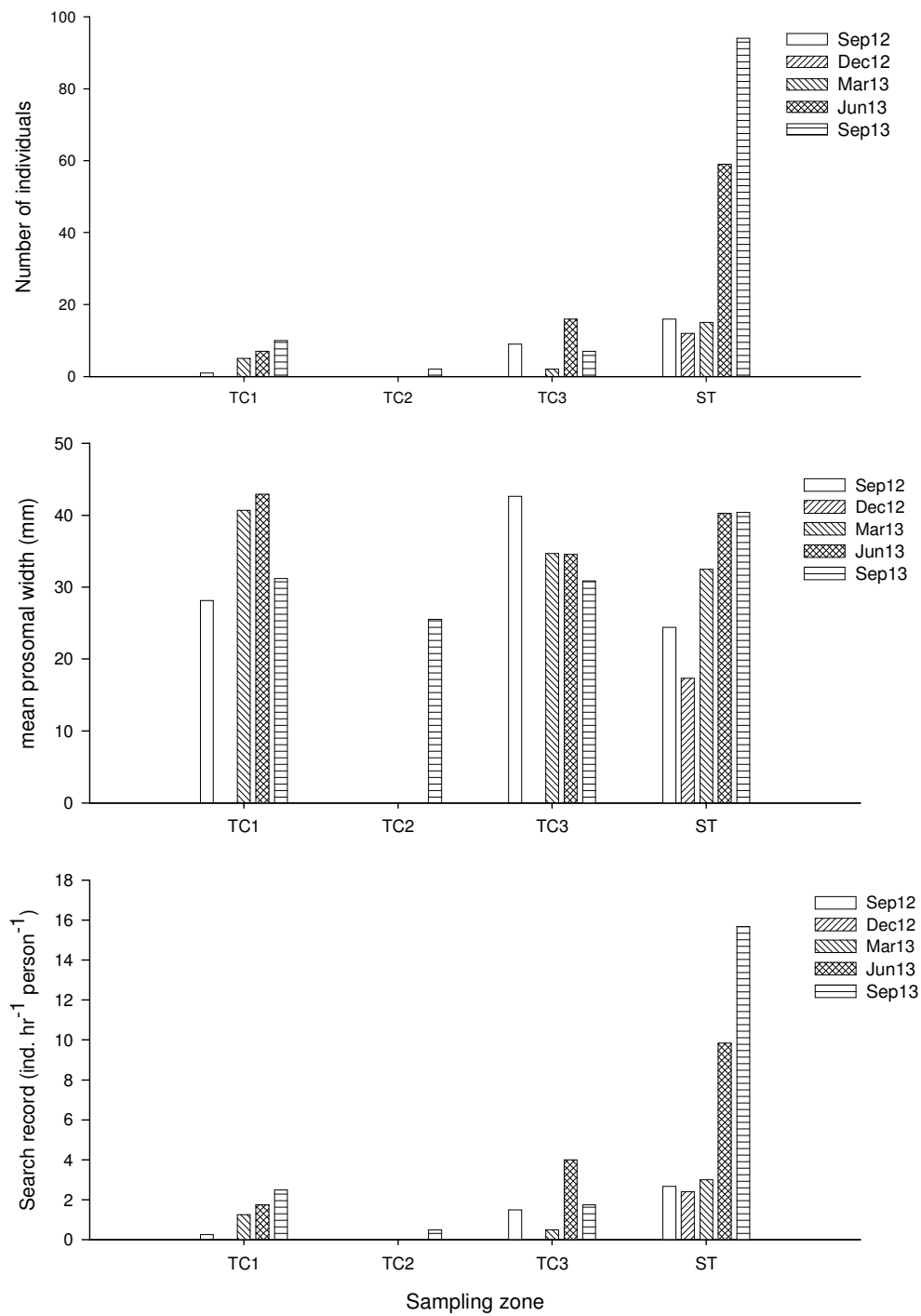


Figure 3.2. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* at the four sampling zones along the sampling months

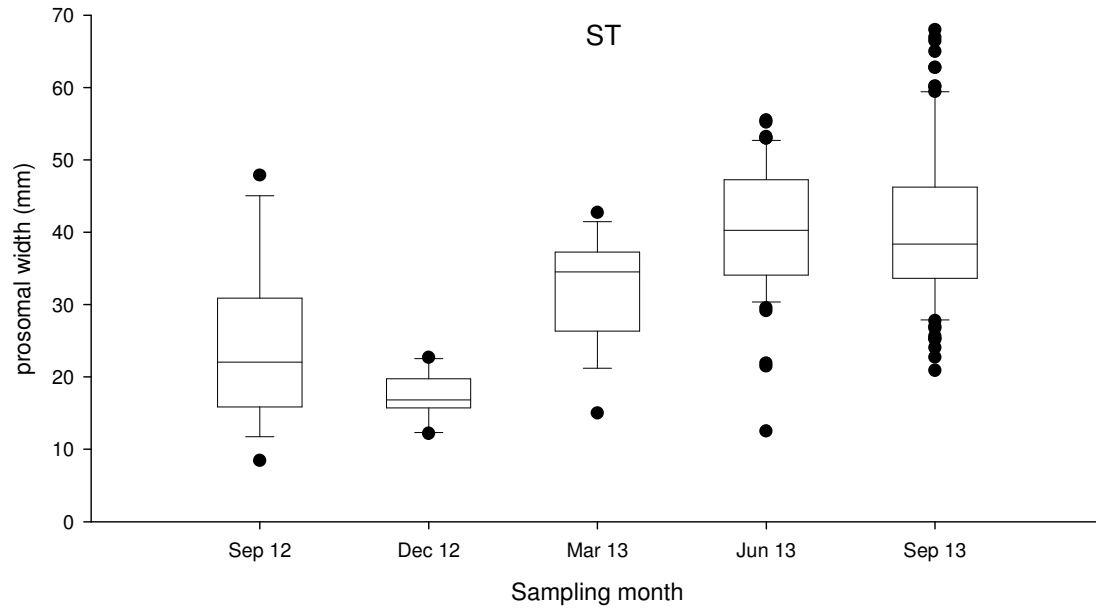


Figure 3.3. Box plot of prosomal width of horseshoe crab *Tachypleus tridentatus* at the sampling zone ST along the sampling months (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outlier.)

Table 3.3. *Summary of seagrass beds survey at every sampling zone*

Species	Estimated area (m ²)	GPS coordinate	Estimated coverage (%)	Remark
TC1 (search hour = 2 hr) & TC2 (search hour = 2 hr) & TC3 (search hour = 2 hr)				
No record				
ST (search hour = 3 hr)				
<i>Halophila ovalis</i>		22° 17.221' N 113° 55.474' E --		A large patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
	758.9	22° 17.195' N 113° 55.475' E	85-90	
	1.2	22° 17.130' N 113° 55.538' E	15	
	8.0	22° 17.130' N 113° 55.541' E	30	A small patch of seagrass bed on soft mud between 1.0 and 1.5 m above C.D.
	3.8	22° 17.108' N 113° 55.556' E	50	
	5.0	22° 17.113' N 113° 55.562' E	50	
	7.0	22° 17.105' N 113° 55.571' E	70	
	1.5	22° 17.138' N 113° 55.556' E	50	
no. of patches	7			
Total area (m ²)	785.3			
Average area (m ²)	112.2			

Table 3.3 (Cont'd). *Summary of seagrass beds survey at every sampling zone*

Species	Estimated area (m ²)	GPS coordinate	Estimated coverage (%)	Remark
ST (search hour = 3 hr)				
<i>Zostera japonica</i>	3.7	22° 17.221' N 113° 55.475' E	95	A small patch grown in the long strand of another seagrass species <i>Halophila ovalis</i>
no. of patches	1			
Total area (m²)	3.7			
Average area (m²)	3.7			

Halophila ovalis



Zostera japonica



Figure 3.4. Examples of photographic records of seagrass beds survey at ST (taken on 15/09/2013)

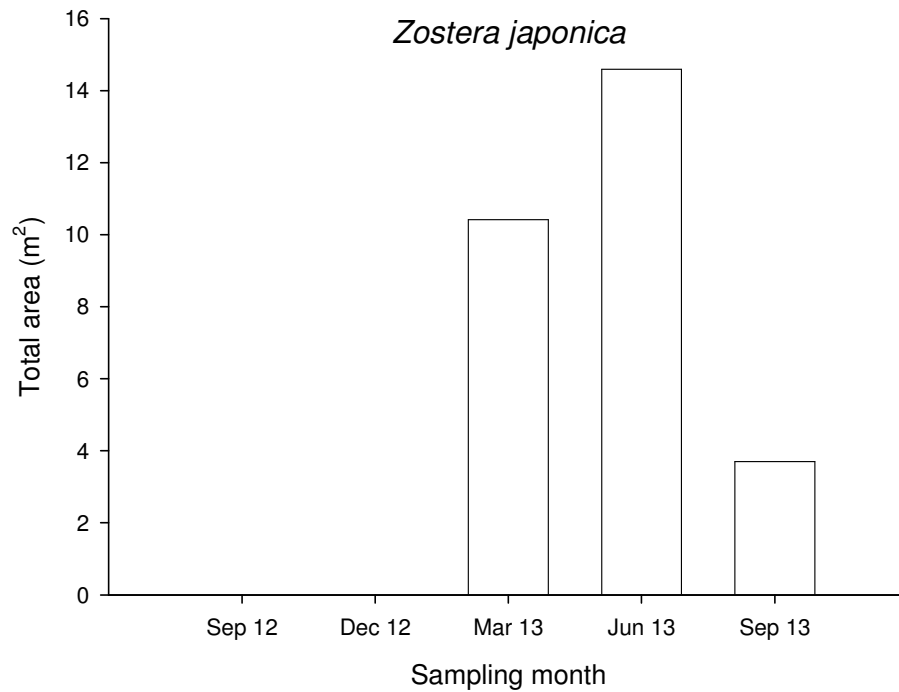
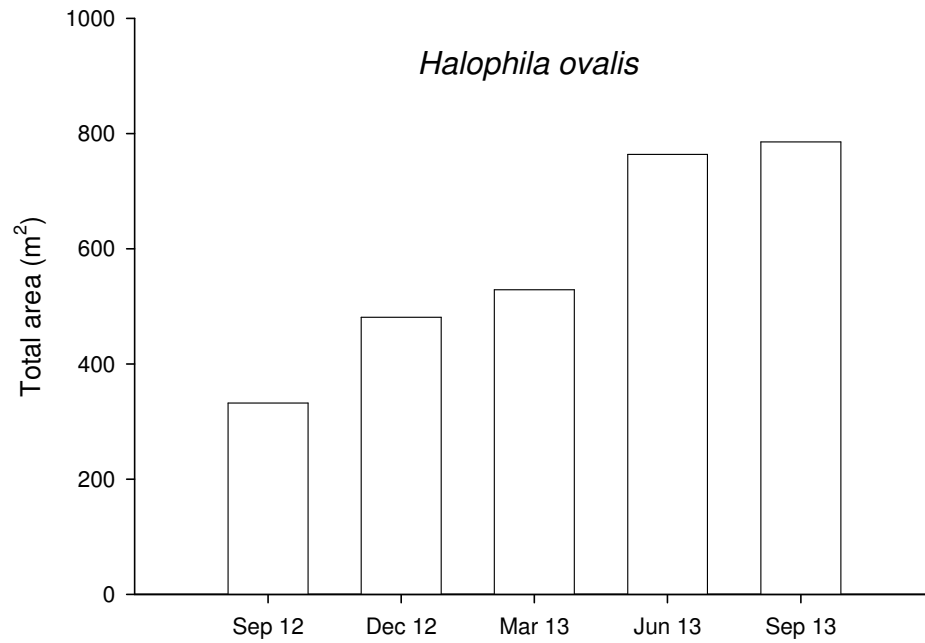


Figure 3.5. *Changes of estimated total area of seagrass beds at sampling zone ST along the sampling months*

Table 3.4. *Relative distribution (%) of types of substratum along the horizontal transect at every tidal level and sampling zone.*

Sampling zone	Tidal level	Percentage		
		Gravels and Boulders	Sands	Soft mud
TC1	H	40	60	
	M	80	10	10
	L	20	40	40
TC2	H		60	40
	M	20	30	50
	L		30	70
TC3	H		100	
	M		80	20
	L	60	30	10
ST	H	100		
	M	50	50	
	L	20		80

H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.

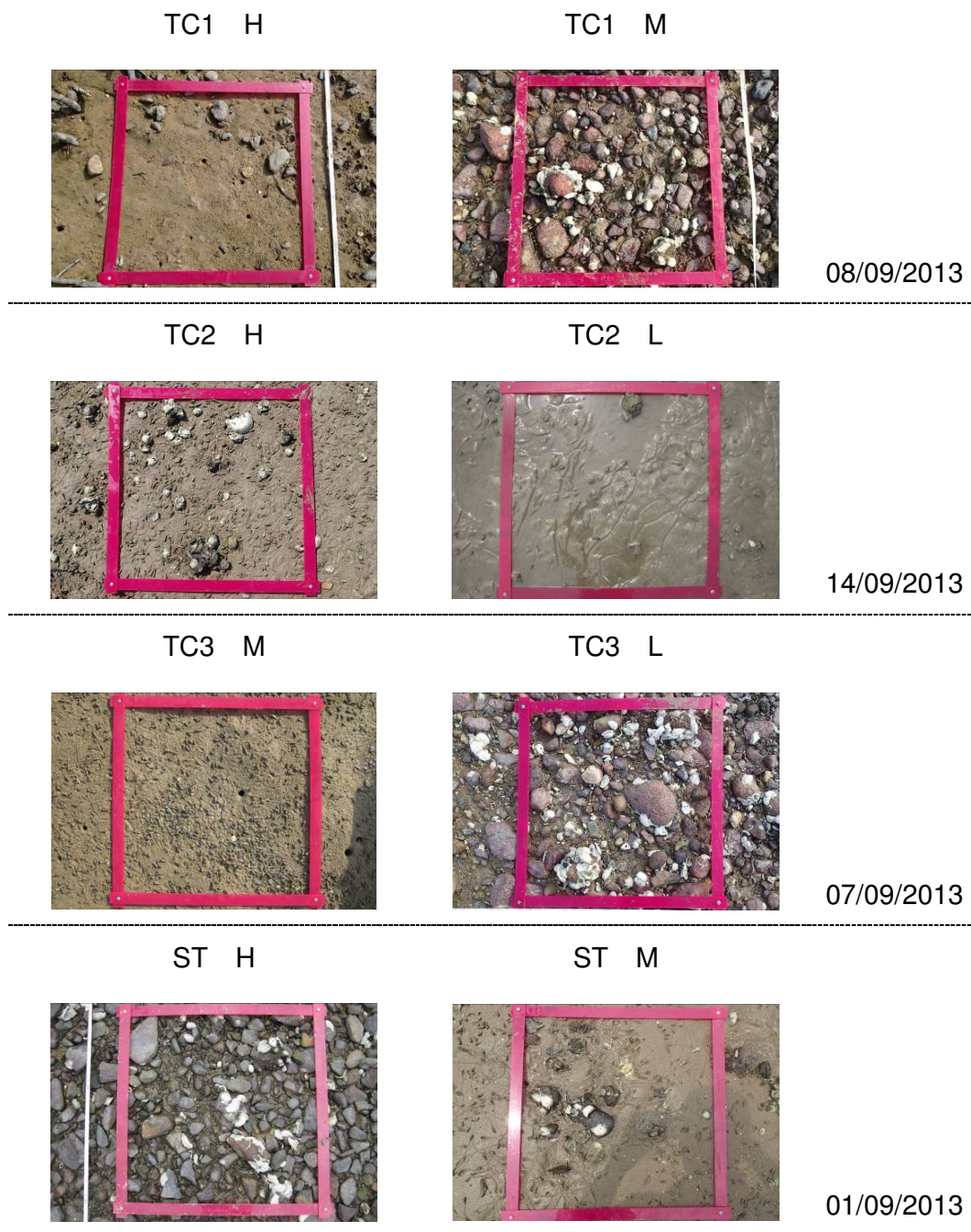


Figure 3.6. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.5. *Total abundance, density and number of taxon of every phylum*

Phylum	Total Abundance	%	Density (ind. m ⁻²)	Number of taxon
<i>Sep 2013</i>				
Mollusca	18738	96.9	625	37
Arthropoda	421	2.2	14	13
Annelida	116	0.6	4	8
Sipuncula	33	0.2	1	1
Echinodermata	9	0.0	0	1
Chordata	5	0.0	0	1
Cnidaria	4	0.0	0	1
Nemertea	3	0.0	0	1
Total	19329			

0.0 %: Total abundance of the phylum is less than 0.1% of relative abundance.

0 ind. m⁻²: Density of the phylum is less than 1 ind. m⁻².

Table 3.6. *The number of individuals, relative abundance (percentage) and density of each phylum at every sampling zone.*

Phylum	TC1	%	Density (ind. m ⁻²)	TC2	%	Density (ind. m ⁻²)	TC3	%	Density (ind. m ⁻²)	ST	%	Density (ind. m ⁻²)
Mollusca	4303	97.8	574	3806	93.7	507	7510	98.8	1001	3119	95.6	416
Arthropoda	76	1.7	10	185	4.6	25	49	0.6	7	111	3.4	15
Annelida	12	0.3	2	57	1.4	8	33	0.4	4	14	0.4	2
Sipuncula	8	0.2	1	6	0.1	1	6	0.1	1	13	0.4	2
Chordata	2	0.0	0	1	0.0	0	1	0.0	0	1	0.0	0
Nemertea				2	0.0	0				1	0.0	0
Cnidaria										4	0.1	1
Echinodermata				3	0.1	0	6	0.1	1			
Sub-total	4401			4060			7605			3263		

0.0 %: Total abundance of the phylum is less than 0.1% of relative abundance of the sampling zone.

0 ind. m⁻²: Density of the phylum is less than 1 ind. m⁻² of the sampling zone.

Table 3.7. *The abundant species (relative abundance >10%) at every sampling zone.*

Sampling zone TC1	Group	Species	mean density (ind. m ⁻²)	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	403	64	64
	G	<i>Cerithidea djadjariensis</i>	111	18	82
Mid	G	<i>Batillaria multiformis</i>	406	51	51
	G	<i>Monodonta labio</i>	135	17	68
	Bi	<i>Saccostrea cucullata</i>	96	12	80
Low	G	<i>Cerithidea djadjariensis</i>	98	29	29
	Bi	<i>Saccostrea cucullata</i>	61	18	48
	G	<i>Batillaria multiformis</i>	32	10	57

Bi = Bivalve, G = Gastropod

Table 3.7(Cont'd). *The abundant species (relative abundance >10%) at every sampling zone.*

Sampling zone TC2	Group	Species	mean density (ind. m ⁻²)	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Cerithidea cingulata</i>	412	50	50
	G	<i>Cerithidea djadjariensis</i>	271	33	83
Mid	G	<i>Cerithidea djadjariensis</i>	182	38	38
	Bi	<i>Saccostrea cucullata</i>	72	15	53
	G	<i>Cerithidea cingulata</i>	61	13	66
Low	G	<i>Cerithidea djadjariensis</i>	167	52	52
	G	<i>Batillaria zonalis</i>	42	13	66

Bi = Bivalve, G = Gastropod

Table 3.7(Cont'd). *The abundant species at every sampling zone.*

Sampling zone TC3	Group	Species	mean density (ind. m ⁻²)	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	526	49	49
	G	<i>Cerithidea djadjarisensis</i>	310	29	77
	G	<i>Cerithidea cingulata</i>	206	19	96
Mid	G	<i>Batillaria multiformis</i>	857	63	63
	G	<i>Cerithidea djadjarisensis</i>	244	18	80
	G	<i>Cerithidea cingulata</i>	191	14	94
Low	G	<i>Monodonta labio</i>	196	33	33
	Bi	<i>Saccostrea cucullata</i>	158	27	60
	G	<i>Batillaria multiformis</i>	91	15	76

Bi = Bivalve, G = Gastropod

Table 3.7(Cont'd). *The abundant species at every sampling zone.*

Sampling zone ST	Group	Species	mean density (ind. m ⁻²)	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	329	55	55
	G	<i>Monodonta labio</i>	108	18	72
Mid	G	<i>Cerithidea djadjariensis</i>	88	18	18
	Bi	<i>Saccostrea cucullata</i>	88	18	36
	G	<i>Batillaria multiformis</i>	58	12	48
	G	<i>Cerithidea cingulata</i>	58	12	60
	G	<i>Lunella coronata</i>	56	12	72
Low	G	<i>Cerithidea djadjariensis</i>	95	44	44
	G	<i>Batillaria zonalis</i>	24	11	55

Bi = Bivalve, G = Gastropod

Table 3.8. Mean values of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) at every tidal level and sampling zone

Sampling zone	Tidal level	Mean number of species (spp. 0.25 m ⁻²)	Mean density (ind. m ⁻²)	Mean H'	Mean H' across tidal level	Mean J	Mean J across tidal level
TC1	H	7	628	1.00	1.36	0.55	0.62
	M	10	800	1.36		0.60	
	L	11	332	1.73		0.72	
TC2	H	7	827	1.06	1.40	0.57	0.63
	M	13	478	1.70		0.67	
	L	9	320	1.45		0.67	
TC3	H	7	1080	1.03	1.22	0.54	0.58
	M	10	1371	1.12		0.51	
	L	11	590	1.52		0.68	
ST	H	12	602	1.43	1.56	0.58	0.66
	M	15	485	2.07		0.76	
	L	8	218	1.19		0.63	

Figure 3.7. Temporal changes of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean $\pm$ SD) at every tidal level and sampling zone

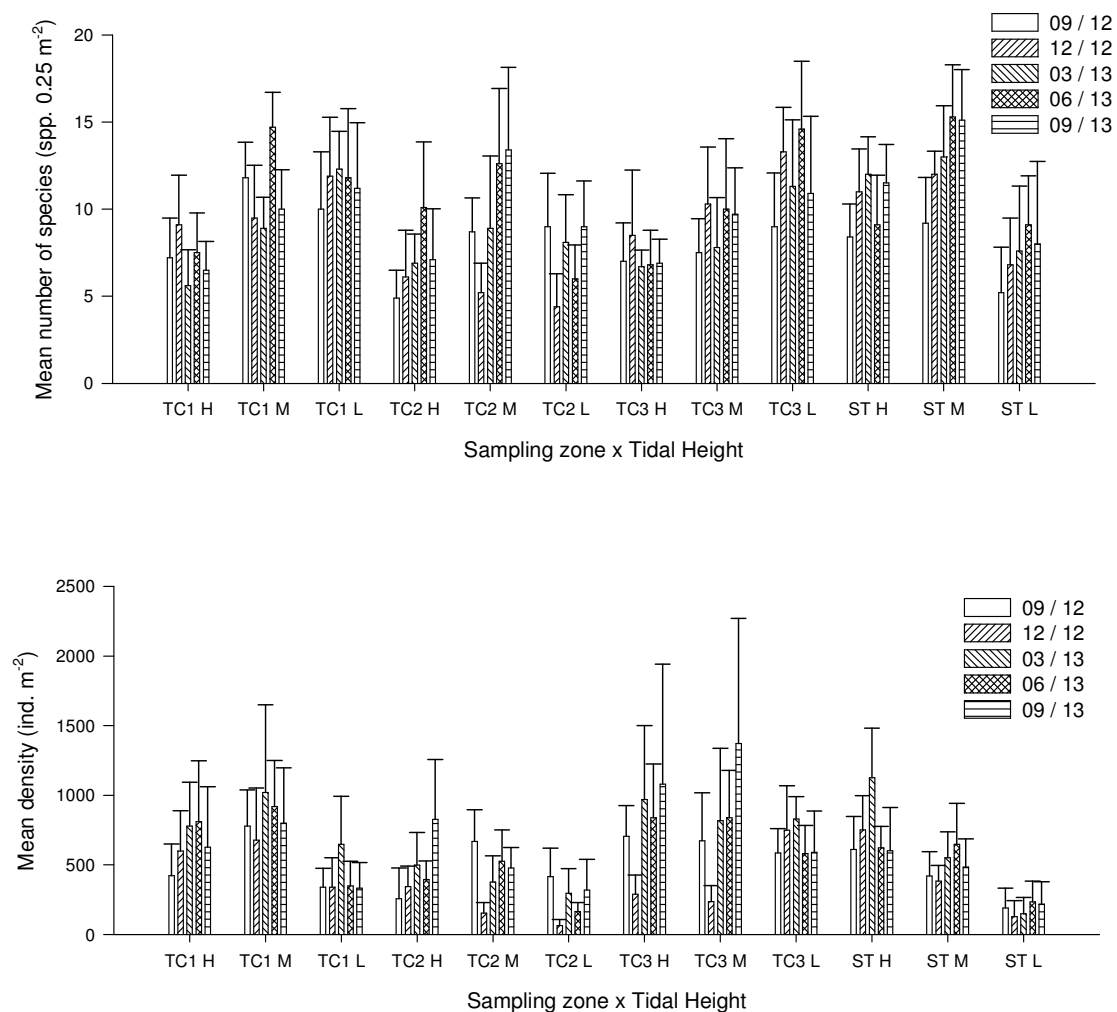
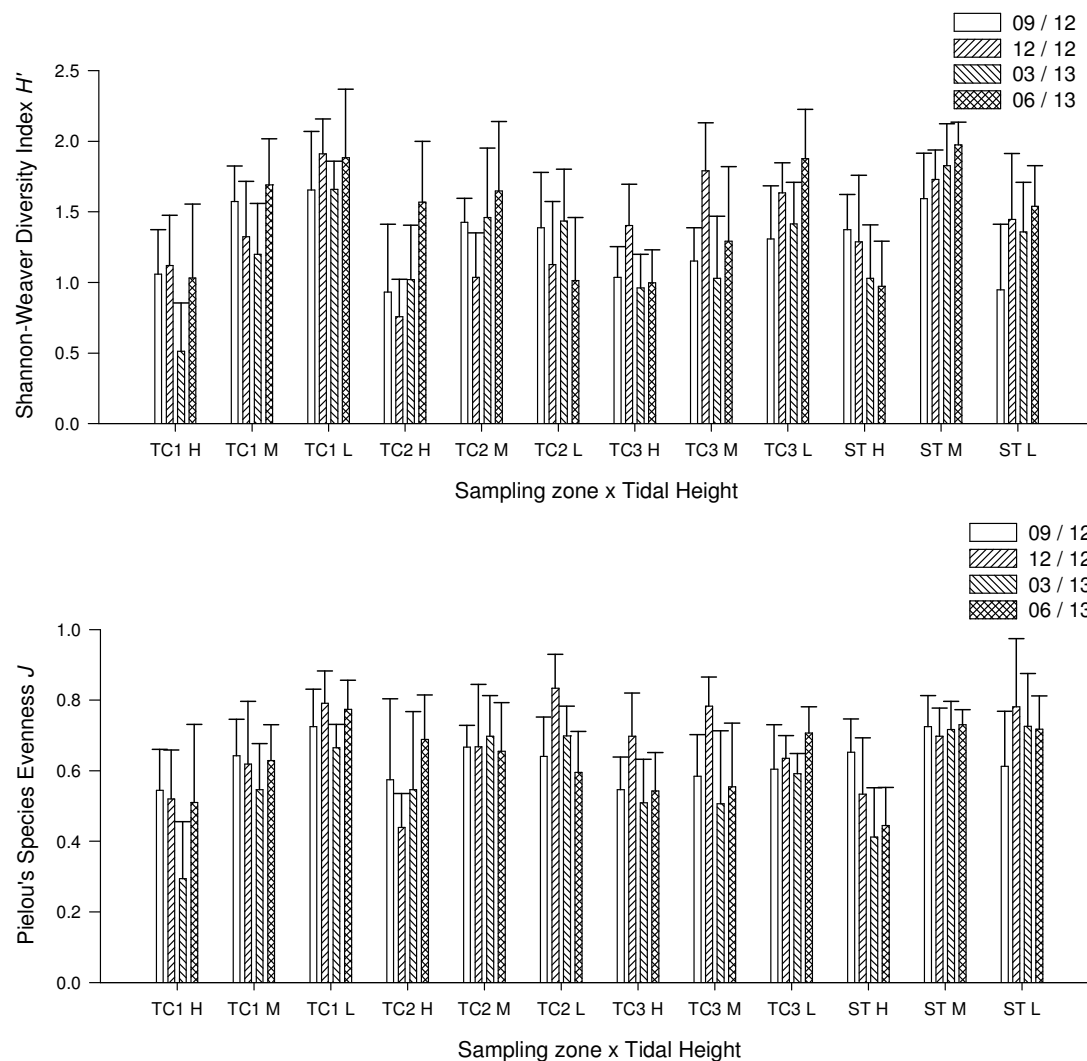


Figure 3.7 (Cont'd). Temporal changes of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean $\pm$ SD) at every tidal level and sampling zone



Annex I Location of sampling zones (map from ATKINS China Ltd.)



Annex II *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Annelida	Clitellata			Marine oligochaete spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoidae spp.
Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Clibanarius</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Diogenes</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus erato</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca lactea</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca vocans</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	<i>Pagurus dubius</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	<i>Penaeus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus penicillatus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Xanthidae	<i>Etisus laevimanus</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Periophthalmus cantonensis</i>
Animalia	Cnidaria				Sea anemone spp.
Animalia	Echinodermata	Holothuroidea			Holothuroidea spp.
Animalia	Mollusca	Bivalvia	Anomalodesmata	Laternulidae	<i>Laternula anatina</i>
Animalia	Mollusca	Bivalvia	Arcoidea	Arcidae	<i>Barbatia signata</i>
Animalia	Mollusca	Bivalvia	Arcoidea	Arcidae	<i>Barbatia virescens</i>
Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	<i>Xenostrobus atrata</i>
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Saccostrea cucullata</i>
Animalia	Mollusca	Bivalvia	Veneroida	Mesodesmatidae	<i>Caecella chinensis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Anomalocardia squamosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Cyclina sinesis</i>

Annex II (Cont'd) *Taxonomic resolution of every recorded species of intertidal soft shore community survey*

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Dosinia japonica</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Meretrix meretrix</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Ruditapes philippinarum</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria bornii</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria multiformis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria zonalis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea cingulata</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea djarjariensis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea rhizophorarum</i>
Animalia	Mollusca	Gastropoda	Cephalaspidea	Philinidae	<i>Philine vitrea</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Clithon faba</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Clithon oualaniensis</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Nerita polita</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Peasiella</i> spp.
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius festivus</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius hepaticus</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius</i> sp.
Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	<i>Onchidium</i> sp.
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Nipponacmea concinna</i>
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Patelloida pygmaea</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana grata</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana toreuma</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Euchelus scaber</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Monodonta labio</i>
Animalia	Mollusca	Gastropoda		Turbinidae	<i>Chlorostoma argyrostoma</i>
Animalia	Mollusca	Gastropoda		Turbinidae	<i>Lunella coronata</i>
Animalia	Mollusca	Polyplacophora	Chitonida	Ischnochitonidae	<i>Lepidozona</i> sp.
Animalia	Mollusca	Scaphopoda	Dentaliida	Dentaliidae	<i>Dentalium sinuosum</i>
Animalia	Nemertea				Nemertea spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	<i>Sipunculus nudus</i>

Annex III List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Saccostrea cucullata</i>	3		2		5																10
Bi	<i>Xenostrobus atrata</i>					4																4
C	<i>Hemigrapsus penicillatus</i>			4										1				1		1		7
C	<i>Uca lactea</i>			7				5		1		13		1				1				28
G	<i>Batillaria multiformis</i>	16	2	63		178		1		117		3		41		57	19	320		190		1007
G	<i>Batillaria zonalis</i>	5																				5
G	<i>Cerithidea cingulata</i>	56	1			7								5		60	1	6				136
G	<i>Cerithidea djadjariensis</i>	89		2		6				46		21		19		46	2	41		6		278
G	<i>Cerithidea rhizophorarum</i>	7				3		2		6		3		7		10	2	13				53
G	<i>Clithon faba</i>	4								1				2		1				2		10
G	<i>Littoraria articulata</i>					4																4
G	<i>Monodonta labio</i>			5		1		1		8						2				3		20
G	<i>Nassarius hepaticus</i>		1																			1
G	<i>Onchidium</i> sp.							1														1
G	<i>Patelloida pygmaea</i>					1																1
P	Ampharetidae spp.																1					1
P	Maldanidae spp.		2																			2
P	Polynoidae spp.			2																		2

Total 1570

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013	Sampling zone TC 1	Mid tidal level (1.5 m above C.D.)																				
		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Bi	<i>Barbatia signata</i>															1						1
Bi	<i>Barbatia virescens</i>															3						3
Bi	<i>Cyclina sinesis</i>		1																			1
Bi	<i>Ruditapes philippinarum</i>									1												1
Bi	<i>Saccostrea cucullata</i>	2				52		42		9		27		3		22		40		44		241
Bi	<i>Xenostrobus atrata</i>					10		23				15				12		5				65
C	<i>Hemigrapsus penicillatus</i>					1				1		1		1		1		3		1		9
C	<i>Metopograpsus latifrons</i>					1								1								2
C	<i>Nanosesarma minutum</i>					2		1				1				1						5
C	<i>Uca lactea</i>			2						1												3
G	<i>Batillaria bornii</i>	1																				1
G	<i>Batillaria multiformis</i>	10		1		93		69		141		51		126		100		313		111		1015
G	<i>Batillaria zonalis</i>	1		12																		13
G	<i>Cellana toreuma</i>	1				2		1				2				1						7
G	<i>Cerithidea cingulata</i>	17		15		2				17				3		5						59
G	<i>Cerithidea djadjariensis</i>	45		33		4		7		55				1		11		4		10		170
G	<i>Cerithidea rhizophorarum</i>	7		2				1		5						6				1		22
G	<i>Clithon faba</i>	1								1						5						7
G	<i>Littoraria articulata</i>							3				1		8				7		5		24

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013	Sampling zone TC 1	Mid tidal level (1.5 m above C.D.)																					
		1		2		3		4		5		6		7		8		9		10			
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total	
G	<i>Lunella coronata</i>					1																1	
G	<i>Monodonta labio</i>	1				58		48		3		35		75		25		52		40		337	
G	<i>Nassarius festivus</i>			1												1						2	
G	<i>Nerita polita</i>					1												1				2	
G	<i>Nipponacmea concinna</i>							1								2						3	
G	<i>Patelloida pygmaea</i>																	1				1	
Ol	Marine oligochaete spp.													2								2	
P	Maldanidae spp.																			2		2	
P	Oweniidae spp.																			1		1	
																						Total	2000

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>	4		2										3		3				2		14
Bi	<i>Barbatia signata</i>					1								5				11		1		18
Bi	<i>Barbatia virescens</i>	5		1										5		2		4		7		24
Bi	<i>Caecella chinensis</i>											1										1
Bi	<i>Ruditapes philippinarum</i>			2																		2
Bi	<i>Saccostrea cucullata</i>	15		66										13		5		30		23		152
Bi	<i>Xenostrobus atrata</i>	3		13												5		2		6		29
C	<i>Hemigrapsus penicillatus</i>	1		1												1		2				5
C	<i>Macrophthalmus erato</i>											1										1
C	<i>Nanosesarma minutum</i>																	2				2
F	<i>Periopthalmus cantonensis</i>					1				1												2
G	<i>Batillaria multiformis</i>	22		5		14	1	9		3				2		5		18				79
G	<i>Batillaria zonalis</i>	5	1	3		13	1	18		18		1										60
G	<i>Cellana toreuma</i>			3														2		3		8
G	<i>Cerithidea cingulata</i>	16	1	4		2		1		1		1		2		1						29
G	<i>Cerithidea djadjariensis</i>	65	4	22		22	1	37	1	43		18	1	13		4				13		244
G	<i>Cerithidea rhizophorarum</i>	5				1				1				2				3		1		13
G	<i>Clithon faba</i>													2								2
G	<i>Clithon oualaniensis</i>											1										1

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Euchelus scaber</i>																	1				1
G	<i>Lepidozona</i> sp.							1						1				3		1		6
G	<i>Lunella coronata</i>	13		11		1								6		3		9		3		46
G	<i>Monodonta labio</i>			10										15		4		30		3		62
G	<i>Nassarius festivus</i>					2				1								1				4
G	<i>Nassarius hepaticus</i>					3																3
G	<i>Nerita polita</i>	1		1												1		1				4
G	<i>Nipponacmea concinna</i>			2												1				3		6
G	<i>Patelloida pygmaea</i>															1		2				3
P	Maldanidae spp.										1											1
P	Onuphidae spp.								1													1
Sp	<i>Sipunculus nudus</i>			7														1				8
																					Total	831

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>			12								3										15
Bi	<i>Barbatia signata</i>							1														1
Bi	<i>Barbatia virescens</i>													1								1
Bi	<i>Cyclina sinensis</i>																	3				3
Bi	<i>Saccostrea cucullata</i>			25				3				29		24				1				82
Bi	<i>Xenostrobus atrata</i>													1								1
C	<i>Hemigrapsus penicillatus</i>											1				1						2
C	<i>Nanosesarma minutum</i>					1		1														2
C	<i>Uca lactea</i>																			12		12
F	<i>Periophthalmus cantonensis</i>		1																			1
G	<i>Batillaria multiformis</i>							13	3	52	7	10	3	11		10	5	25	3	16	4	162
G	<i>Batillaria zonalis</i>									2		1	1			1		4		11	1	21
G	<i>Cerithidea cingulata</i>	3		21	1	25	1	163	7	49		198	9	139	1	184	18	134	3	69	5	1030
G	<i>Cerithidea djadjariensis</i>	18		30	2	104	6	74	7	89	6	83	5	124	2	47	3	49	6	18	4	677
G	<i>Cerithidea rhizophorarum</i>					1						2		6		1				1		11
G	<i>Clithon oualaniensis</i>					1												1				2
G	<i>Littoraria articulata</i>											2										2
G	<i>Lunella coronata</i>							1				4		9				2				16
G	<i>Monodonta labio</i>			1				1				10		6								18

Annex III (Cont'd) *List of recorded fauna of intertidal soft shore community survey at every sampling zone*

Sep 2013 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Patelloida pygmaea</i>													1								1
Hc	<i>Clibanarius</i> sp.			1																		1
Hc	<i>Pagurus dubius</i>											1										1
Ol	Marine oligochaete spp.									1												1
P	Ampharetidae spp.								1				3									4
Total																						2067

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>					2		33						1		20		1		2		59
Bi	<i>Barbatia signata</i>									1						1						2
Bi	<i>Barbatia virescens</i>			1		1		7		5		1		1		5		2				23
Bi	<i>Cyclina sinesis</i>													3				1				4
Bi	<i>Ruditapes philippinarum</i>													1			1					2
Bi	<i>Saccostrea cucullata</i>	12		43		5		38		17		7		26		16		15		2		181
Bi	<i>Xenostrobus atrata</i>	12		9						2		2		2		7						34
C	<i>Hemigrapsus penicillatus</i>			5										4				3				12
C	<i>Macrophthalmus erato</i>															1						1
C	<i>Metopograpsus latifrons</i>			1				1														2
C	<i>Nanosesarma minutum</i>			1										2		2						5
Ec	Holothuroidea spp.			3																		3
G	<i>Batillaria bornii</i>							1			1			3		1	1	1				8
G	<i>Batillaria multiformis</i>			10		1		2	2	4		4	1	10	1	6	2	14	4	6	5	72
G	<i>Batillaria zonalis</i>					1		6	2	2	1			2		1	1	8	2	4		30
G	<i>Cerithidea cingulata</i>	1		16		14	1	9		21		16	1	13		7		21		31	1	152
G	<i>Cerithidea djadjariensis</i>	1		5		74	2	44		74	1	47	1	36		27		55		87	2	456
G	<i>Cerithidea rhizophorarum</i>					1		1								1						3
G	<i>Euchelus scaber</i>													1								1

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>			1		2		2		6		2		10		7		7				37
G	<i>Monodonta labio</i>	7		45				1		2		1		9		5		1		1		72
G	<i>Nassarius festivus</i>														1			1				2
G	<i>Nerita polita</i>			1						1				1						1		4
G	<i>Patelloida pygmaea</i>					1								1		1						3
Hc	<i>Pagurus dubius</i>							4						2								6
Ne	Nemertea spp.															1						1
P	Ampharetidae spp.																		2			2
P	Maldanidae spp.						1		2				1			2			1		1	8
P	Nereididae spp.			1																		1
P	Onuphidae spp.																		1			1
P	Oweniidae spp.												1							1		2
Sp	<i>Sipunculus nudus</i>										1			3				1				5
Total																						1194

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>			2				27				18		1						8		56
Bi	<i>Anomalocardia squamosa</i>															1						1
Bi	<i>Caecella chinensis</i>													1			1					2
Bi	<i>Cyclina sinesis</i>															1						1
Bi	<i>Dosinia japonica</i>																1					1
Bi	<i>Meretrix meretrix</i>	1																				1
Bi	<i>Ruditapes philippinarum</i>			1																		1
Bi	<i>Saccostrea cucullata</i>			2				7				7						9		3		28
C	<i>Uca lactea</i>			8																		8
G	<i>Batillaria multiformis</i>			19	1	1		4	1	4	1	8		3						1	1	44
G	<i>Batillaria zonalis</i>	2		6		6		4		13		17	1	9		18		23		7		106
G	<i>Cerithidea cingulata</i>	46	1	10				1				1			1	2		4		5		71
G	<i>Cerithidea djadjariensis</i>	177	1	12		29		21	3	29	1	21	4	22	1	21	1	36	5	33	1	418
G	<i>Cerithidea rhizophorarum</i>											1				1		1		1		4
G	<i>Clithon faba</i>									1												1
G	<i>Euchelus scaber</i>																			1		1
G	<i>Lepidozona</i> sp.																	1				1
G	<i>Lunella coronata</i>											1						1		2		4
G	<i>Monodonta labio</i>					1																1

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Nassarius festivus</i>														1					1		2
G	<i>Nassarius hepaticus</i>					1		2						1								4
Hc	<i>Diogenes</i> sp.	1																				1
Hc	<i>Pagurus dubius</i>																	1		1		2
Ne	Nemertea spp.																			1		1
Ol	Marine oligochaete spp.						1															1
P	Maldanidae spp.			1	2	3		2				4		7		1						20
P	Onuphidae spp.		1			1						2		2		3		1		4		14
P	Oweniidae spp.			1	1			1														3
Sp	<i>Sipunculus nudus</i>																	1				1
Total																						799

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Cyclina sinensis</i>					1				1		2		1				1		1		7
Bi	<i>Dosinia japonica</i>				1								4									5
Bi	<i>Laternula anatina</i>												1									1
Bi	<i>Saccostrea cucullata</i>							7										2				9
C	<i>Macrophthalmus</i> sp.																	1				1
C	<i>Nanosesarma minutum</i>																			1		1
G	<i>Batillaria multiformis</i>	96	2	37	7	10	1	22	3	754	2	39	11	66		2		15		245	3	1315
G	<i>Batillaria zonalis</i>							1														1
G	<i>Cerithidea cingulata</i>	90	1	56	2	15		104	5	31		96		41		17		32		23	1	514
G	<i>Cerithidea djadjariensis</i>	80		69	2	156		102	5	52		16		50		92		64		86		774
G	<i>Cerithidea rhizophorarum</i>	5				5	1	5	1	1		4		4		5		9		10		50
G	<i>Clithon faba</i>	1		1																		2
G	<i>Clithon oualaniensis</i>	2						1						1								4
G	<i>Lunella coronata</i>							1														1
G	<i>Monodonta labio</i>	1								1												2
G	<i>Nassarius festivus</i>					1																1
P	Ampharetidae spp.								1				1				2					4

Annex III (Cont'd) *List of recorded fauna of intertidal soft shore community survey at every sampling zone*

Sep 2013 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		sub-total
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
P	Maldanidae spp.					2						5				1						8
P	Onuphidae spp.																	1				1
Total																						2701

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>			1				1														2
Bi	<i>Cyclina sinensis</i>					1	1			1												3
Bi	<i>Dosinia japonica</i>														1							1
Bi	<i>Ruditapes philippinarum</i>					1				1												2
Bi	<i>Saccostrea cucullata</i>			1		10		7												2		20
C	<i>Hemigrapsus penicillatus</i>					1																1
C	<i>Nanosesarma minutum</i>							1								1						2
C	<i>Uca lactea</i>																	2		1		3
C	<i>Uca vocans</i>					1																1
F	<i>Periopthalmus cantonensis</i>															1						1
G	<i>Batillaria bornii</i>					1																1
G	<i>Batillaria multiformis</i>	49	2	191	6	304	10	407		133	1	29	6	11	1			377	15	585	16	2143
G	<i>Batillaria zonalis</i>	20		7	2	2	2	5		3		18		16				1		1		77
G	<i>Cerithidea cingulata</i>	36		59	4	93	2	114		57	3	14		4		9	1	48	1	31	2	478
G	<i>Cerithidea djadjariensis</i>	59		50		52		74		93	1	78		39		63	1	49		50	2	611
G	<i>Cerithidea rhizophorarum</i>			2		4		2		2		3		2		2		3		3		23
G	<i>Clithon faba</i>	2		1		2		2												1		8
G	<i>Clithon oualaniensis</i>	1		1														1		1		4
G	<i>Littoraria articulata</i>					1																1

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>					3		3														6
G	<i>Monodonta labio</i>					1	1											1				3
G	<i>Nassarius festivus</i>	1		1	1	1		6				2								2		14
G	<i>Nassarius hepaticus</i>											2		2		1						5
Hc	<i>Pagurus dubius</i>							1														1
P	Ampharetidae spp.				1																	1
P	Maldanidae spp.		2										2		4	1	5					14
P	Nereididae spp.									1												1
P	Oweniidae spp.															1						1
																					Total	3428

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>					3																3
Bi	<i>Barbatia signata</i>	7		12		17				1												37
Bi	<i>Barbatia virescens</i>	8		6						1				2								17
Bi	<i>Saccostrea cucullata</i>	71		78		9				74		48		27		50		35		4		396
Bi	<i>Xenostrobus atrata</i>	5		10		6				3		16		3		9		5				57
C	<i>Etisus laevimanus</i>									2												2
C	<i>Hemigrapsus penicillatus</i>	1				5								4		3		2		5		20
C	<i>Metopograpsus latifrons</i>											1		1		1						3
C	<i>Nanosesarma minutum</i>	2				1				5												8
Ec	Holothuroidea spp.											1		2				2		1		6
G	<i>Batillaria multiformis</i>	10		2						11		31		29		23		76		46		228
G	<i>Batillaria zonalis</i>																	2				2
G	<i>Cellana toreuma</i>	1		14												1						16
G	<i>Cerithidea cingulata</i>					1										1		8		1		11
G	<i>Cerithidea djadjariensis</i>	1				4				1		1				2		21		8		38
G	<i>Cerithidea rhizophorarum</i>															1		11		4		16
G	<i>Euchelus scaber</i>					2																2
G	<i>Lepidozona</i> sp.					1																1
G	<i>Littoraria articulata</i>									2		1		8		1		4		1		17

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>	18		16		16				7		3						3		5		68
G	<i>Monodonta labio</i>	95		30		4				91		80		50		63		63		15		491
G	<i>Nerita polita</i>	3		2		1				8						2		2				18
G	<i>Patelloida pygmaea</i>			2		4												3				9
Hc	<i>Clibanarius</i> sp.									1												1
P	Polynoidae spp.					1				1										1		3
Sp	<i>Sipunculus nudus</i>	2		1		3																6
Total																						1476

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone ST High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia signata</i>							1						2		1						4
Bi	<i>Barbatia virescens</i>															2		1				3
Bi	<i>Ruditapes philippinarum</i>																			1		1
Bi	<i>Saccostrea cucullata</i>	21		15		4		5		6		13		25		21		8		18		136
Bi	<i>Xenostrobus atrata</i>			1				1		3				2		4		2				13
C	<i>Hemigrapsus penicillatus</i>	2		2		6		1		3				8								22
C	<i>Macrophthalmus erato</i>											1										1
C	<i>Metopograpsus latifrons</i>											1										1
C	<i>Nanosesarma minutum</i>	2				3				1												6
Cn	Sea anemone spp.									1				1		1						3
G	<i>Batillaria bornii</i>	1		1		3				4										2		11
G	<i>Batillaria multiformis</i>	130		39		186		95		23		28		94		5		143		79		822
G	<i>Batillaria zonalis</i>	3		1																		4
G	<i>Cellana toreuma</i>									1				3						1		5
G	<i>Cerithidea cingulata</i>	16		16						1		2				6		1		7		49
G	<i>Cerithidea djarjariensis</i>	10		3		2				31		1				7		14		15		83
G	<i>Cerithidea rhizophorarum</i>	3						1								2		2		6		14
G	<i>Clithon faba</i>	1		2				3												5		11
G	<i>Lepidozona</i> sp.	1				2								5		2				1		11

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone ST High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Littoraria articulata</i>													1								1
G	<i>Lunella coronata</i>			1						1		5		2		4		4		5		22
G	<i>Monodonta labio</i>	24		9		66		7		28		12		114		2		1		6		269
G	<i>Nerita polita</i>											1		1		1				1		4
G	<i>Nipponacmea concinna</i>															2						2
G	<i>Patelloida pygmaea</i>					1								1								2
G	<i>Philine vitrea</i>			1																		1
Hc	<i>Clibanarius</i> sp.																			1		1
Ne	Nemertea spp.			1																		1
P	Maldanidae spp.									2												2
S	<i>Penaeus</i> sp.							1														1
																					Total	1506

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>											2										2
Bi	<i>Barbatia signata</i>									2		1		4								7
Bi	<i>Barbatia virescens</i>							2		3		1		1		2		1		3		13
Bi	<i>Dosinia japonica</i>		2		2						1		1									6
Bi	<i>Ruditapes philippinarum</i>					1								1						1		3
Bi	<i>Saccostrea cucullata</i>	44		15		20		22		13		37		22		13		9		24		219
Bi	<i>Xenostrobus atrata</i>	9		2		1				4				1						5		22
C	<i>Hemigrapsus penicillatus</i>	3				3		1		1				4		1		2				15
C	<i>Metopograpsus latifrons</i>					1																1
C	<i>Nanosesarma minutum</i>					4										1						5
Cn	Sea anemone spp.															1						1
F	<i>Periopthalmus cantonensis</i>	1																				1
G	<i>Batillaria bornii</i>	3	1	1	1			1		3	1	1	4	1								17
G	<i>Batillaria multiformis</i>	36		14	1	17		32		1		1		18		8		6		10		144
G	<i>Batillaria zonalis</i>	3	1	18	3																	25
G	<i>Cellana grata</i>													1								1
G	<i>Cellana toreuma</i>	4				1												2				7
G	<i>Cerithidea cingulata</i>	20		24	1	31		29		11	1	1	3	5		7		3		8		144
G	<i>Cerithidea djadjariensis</i>	25		81	2	5		1		36	1	18	5	18		5		1		22		220

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Cerithidea rhizophorarum</i>	6		16		9		5		11	1	2		2		1				4		57
G	<i>Chlorostoma argyrostoma</i>													1								1
G	<i>Clithon faba</i>							1														1
G	<i>Clithon oualaniensis</i>		1																			1
G	<i>Euchelus scaber</i>									1				2				4				7
G	<i>Lepidozona</i> sp.			1										1		1						3
G	<i>Lunella coronata</i>	9		9		9		4		5		10		22		20		37		16		141
G	<i>Monodonta labio</i>	33		4		10		1				1		15		7		9		5		85
G	<i>Nassarius festivus</i>									2												2
G	<i>Nassarius</i> sp.											1		1								2
G	<i>Nerita polita</i>	4				3						1				1				1		10
G	<i>Patelloida pygmaea</i>	3				4																7
Hc	<i>Pagurus dubius</i>	13		3		4				2		1		4						1		28
Ol	Marine oligochaete spp.																	1				1
P	Glyceridae spp.				1															1		2
P	Maldanidae spp.													1								1
P	Onuphidae spp.																	1				1
Sp	<i>Sipunculus nudus</i>			1								6		2						1		10

Total 1213

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013	Sampling zone ST	Low tidal level (1.0 m above C.D.)																				
		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Ba	<i>Balanus amphitrite</i>			23						1												24
Bi	<i>Barbatia signata</i>	1																3				4
Bi	<i>Barbatia virescens</i>	4		2																		6
Bi	<i>Caecella chinensis</i>												1									1
Bi	<i>Dosinia japonica</i>								1						1					1		3
Bi	<i>Saccostrea cucullata</i>	12		20						12								2				46
Bi	<i>Xenostrobus atrata</i>	2		2						5								1				10
C	<i>Hemigrapsus penicillatus</i>										1											1
C	<i>Nanosesarma minutum</i>			1						1												2
G	<i>Batillaria bornii</i>	6													1							7
G	<i>Batillaria multiformis</i>	5		8				3		4		2	1							4		27
G	<i>Batillaria zonalis</i>	12		14		4		22		2		4		1						1		60
G	<i>Cerithidea cingulata</i>	9										8		5				3		1	2	28
G	<i>Cerithidea djadjariensis</i>	49		14						21	1	40	2	16	2	11	1	31		47	3	238
G	<i>Cerithidea rhizophorarum</i>	7		1								1		1		2						12
G	<i>Chlorostoma argyrostoma</i>	1																				1
G	<i>Dentalium sinuosum</i>																			1		1
G	<i>Euchelus scaber</i>	1																3				4
G	<i>Lepidozona</i> sp.	1		1																		2

Annex III (Cont'd) List of recorded fauna of intertidal soft shore community survey at every sampling zone

Sep 2013 Sampling zone ST Low tidal level (1.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	<i>Lunella coronata</i>	23		17						1						1		7				49
G	<i>Nassarius festivus</i>									1	1				1							3
G	<i>Nassarius</i> sp.																	1				1
G	<i>Nipponacmea concinna</i>			1																		1
G	<i>Patelloida pygmaea</i>	1																				1
G	<i>Peasiella</i> spp.	1																				1
P	<i>Glyceridae</i> spp.	2																				2
P	<i>Maldanidae</i> spp.																			1		1
P	<i>Onuphidae</i> spp.							2							1					1		4
S	<i>Penaeus</i> sp.																			1		1
Sp	<i>Sipunculus nudus</i>			1						2												3
Total																						544