

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

Species	Prosomal		GPS coordinate	Grouping	Remark
	width (mm)	Substratum			
TC1 (search hour = 2 hr)					
<i>Tachypleus tridentatus</i>	53.95	S	22° 17.006' N	113° 55.988' E	A
<i>T. tridentatus</i>	57.62	S	22° 17.006' N	113° 55.988' E	A
<i>T. tridentatus</i>	54.66	S	22° 17.006' N	113° 55.988' E	A
<i>T. tridentatus</i>	21.44	S	22° 17.004' N	113° 55.992' E	B
<i>T. tridentatus</i>	22.45	S	22° 17.004' N	113° 55.992' E	B
<i>T. tridentatus</i>	55.63	S	22° 17.006' N	113° 55.992' E	
<i>T. tridentatus</i>	34.82	S	22° 17.058' N	113° 55.006' E	
TC2 (search hour = 2 hr)					
No record					
TC3 (search hour = 2 hr)					
<i>T. tridentatus</i>	11.07	S	22° 17.095' N	113° 55.592' E	
<i>T. tridentatus</i>	54.09	S	22° 17.035' N	113° 55.671' E	
<i>T. tridentatus</i>	20.41	S	22° 17.101' N	113° 55.596' E	
<i>T. tridentatus</i>	54.56	S	22° 17.059' N	113° 55.621' E	
<i>T. tridentatus</i>	41.08	S	22° 17.054' N	113° 55.621' E	
<i>T. tridentatus</i>	20.81	S	22° 17.051' N	113° 55.626' E	A
<i>T. tridentatus</i>	49.45	S	22° 17.051' N	113° 55.626' E	A
<i>T. tridentatus</i>	44.89	S	22° 17.006' N	113° 55.638' E	
<i>T. tridentatus</i>	24.19	S	22° 17.009' N	113° 55.640' E	B
<i>T. tridentatus</i>	28.81	S	22° 17.009' N	113° 55.640' E	B
<i>T. tridentatus</i>	32.63	S	22° 17.009' N	113° 55.640' E	B
<i>T. tridentatus</i>	48.01	S	22° 17.006' N	113° 55.643' E	
<i>T. tridentatus</i>	42.72	S	22° 16.983' N	113° 55.654' E	C
<i>T. tridentatus</i>	14.85	S	22° 16.983' N	113° 55.654' E	C
<i>T. tridentatus</i>	34.52	S	22° 16.983' N	113° 55.654' E	
<i>T. tridentatus</i>	30.52	S	22° 16.971' N	113° 55.655' E	

G = Gravel and Boulders, M = Soft mud, S = Sand.

Individuals in a group were given the same grouping letter at the sampling zone.

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

		Prosomal					
Species	width (mm)	Substratum	GPS coordinate		Grouping	Remark	
ST (search hour = 3 hr)							
<i>T. tridentatus</i>	55.51	S	22° 17.234' N	113° 55.492' E	A		
<i>T. tridentatus</i>	49.77	S	22° 17.234' N	113° 55.492' E	A		
<i>T. tridentatus</i>	44.75	S	22° 17.230' N	113° 55.495' E	B		
<i>T. tridentatus</i>	37.93	S	22° 17.230' N	113° 55.495' E	B		
<i>T. tridentatus</i>	30.36	S	22° 17.211' N	113° 55.479' E			
<i>T. tridentatus</i>	36.58	S	22° 17.225' N	113° 55.492' E	C		
<i>T. tridentatus</i>	49.56	S	22° 17.225' N	113° 55.492' E	C		
<i>T. tridentatus</i>	42.12	S, G	22° 17.385' N	113° 55.451' E			
<i>T. tridentatus</i>	47.05	S, G	22° 17.385' N	113° 55.453' E			tail lost
<i>T. tridentatus</i>	45.12	S, G	22° 17.382' N	113° 55.457' E	D		
<i>T. tridentatus</i>	49.38	S, G	22° 17.382' N	113° 55.457' E	D		
<i>T. tridentatus</i>	52.73	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	52.22	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	34.1	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	38.85	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	48.75	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	53.22	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	45.83	S	22° 17.382' N	113° 55.460' E	E		
<i>T. tridentatus</i>	40.3	S	22° 17.385' N	113° 55.458' E	F		
<i>T. tridentatus</i>	48.91	S	22° 17.385' N	113° 55.458' E	F		
<i>T. tridentatus</i>	42.11	S	22° 17.385' N	113° 55.458' E	F		
<i>T. tridentatus</i>	30.86	S	22° 17.386' N	113° 55.458' E			
<i>T. tridentatus</i>	33.57	S	22° 17.390' N	113° 55.455' E	G		
<i>T. tridentatus</i>	46.87	S	22° 17.390' N	113° 55.455' E	G		
<i>T. tridentatus</i>	55.24	S	22° 17.204' N	113° 55.508' E			
<i>T. tridentatus</i>	52.99	S	22° 17.193' N	113° 55.515' E			
<i>T. tridentatus</i>	47.25	S	22° 17.182' N	113° 55.518' E			
<i>T. tridentatus</i>	47.45	S	22° 17.184' N	113° 55.532' E			
<i>T. tridentatus</i>	53.02	S	22° 17.172' N	113° 55.478' E			

G = Gravel and Boulders, M = Soft mud, S = Sand.

Individuals in a group were given the same grouping letter at the sampling zone.

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

		Prosomal				
Species	width (mm)	Substratum	GPS coordinate		Grouping	Remark
ST (search hour = 3 hr) – (Cont'd)						
<i>T. tridentatus</i>	29.58	S	22° 17.160' N	113° 55.508' E	H	
<i>T. tridentatus</i>	33.65	S	22° 17.160' N	113° 55.508' E	H	
<i>T. tridentatus</i>	31.82	S	22° 17.160' N	113° 55.508' E	H	
<i>T. tridentatus</i>	31.34	S	22° 17.172' N	113° 55.478' E	I	
<i>T. tridentatus</i>	35.02	S	22° 17.172' N	113° 55.478' E	I	
<i>T. tridentatus</i>	37.95	S	22° 17.172' N	113° 55.478' E	I	
<i>T. tridentatus</i>	40.02	S	22° 17.172' N	113° 55.478' E	I	
<i>T. tridentatus</i>	40.48	S	22° 17.188' N	113° 55.476' E		
<i>T. tridentatus</i>	41.74	S	22° 17.188' N	113° 55.476' E		
<i>T. tridentatus</i>	40.32	S	22° 17.185' N	113° 55.481' E	J	
<i>T. tridentatus</i>	41.58	S	22° 17.185' N	113° 55.481' E	J	
<i>T. tridentatus</i>	40.33	S	22° 17.185' N	113° 55.481' E	J	
<i>T. tridentatus</i>	39.11	S	22° 17.157' N	113° 55.491' E	K	
<i>T. tridentatus</i>	42.21	S	22° 17.157' N	113° 55.491' E	K	
<i>T. tridentatus</i>	38.08	S	22° 17.157' N	113° 55.491' E	K	
<i>T. tridentatus</i>	43.71	S	22° 17.157' N	113° 55.491' E	K	
<i>T. tridentatus</i>	38.55	S	22° 17.157' N	113° 55.491' E		
<i>T. tridentatus</i>	29.16	S	22° 17.150' N	113° 55.507' E	L	
<i>T. tridentatus</i>	50.31	S	22° 17.150' N	113° 55.507' E	L	
<i>T. tridentatus</i>	31.49	S	22° 17.154' N	113° 55.508' E	M	
<i>T. tridentatus</i>	39.88	S	22° 17.154' N	113° 55.508' E	M	
<i>T. tridentatus</i>	35.83	S	22° 17.154' N	113° 55.508' E	N	
<i>T. tridentatus</i>	36.91	S	22° 17.154' N	113° 55.508' E	N	
<i>T. tridentatus</i>	31.49	S	22° 17.154' N	113° 55.508' E	N	
<i>T. tridentatus</i>	21.92	M	22° 17.143' N	113° 55.518' E	O	
<i>T. tridentatus</i>	21.5	M	22° 17.143' N	113° 55.518' E	O	
<i>T. tridentatus</i>	12.54	M	22° 17.143' N	113° 55.518' E	O	
<i>T. tridentatus</i>	30.74	S	22° 17.143' N	113° 55.518' E		
<i>T. tridentatus</i>	36.52	S	22° 17.159' N	113° 55.518' E		
<i>T. tridentatus</i>	38.37	S	22° 17.155' N	113° 55.523' E		

G = Gravel and Boulders, M = Soft mud, S = Sand

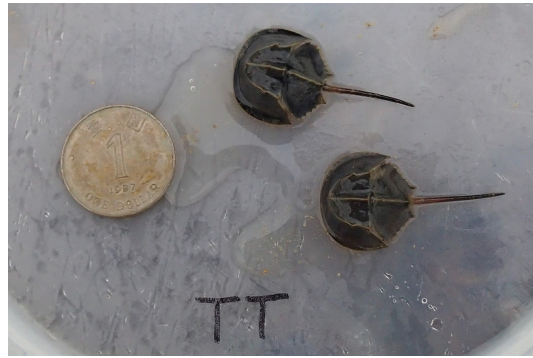
Individuals in a group were given the same grouping letter at the sampling zone.

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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	7	N.A.	16	59
mean prosomal width (mm)	42.94		34.54	40.25
range of prosomal width (mm)	21.44-57.62		11.07-54.56	12.54-55.51
Search record (ind. hr ⁻¹ person ⁻¹)	1.75		4.00	9.83

TC1



TC3



ST



Figure 3.1. Examples of photographic records of horseshoe crab *Tachypleus tridentatus* in the present survey (taken on 10 & 11/06/2013)

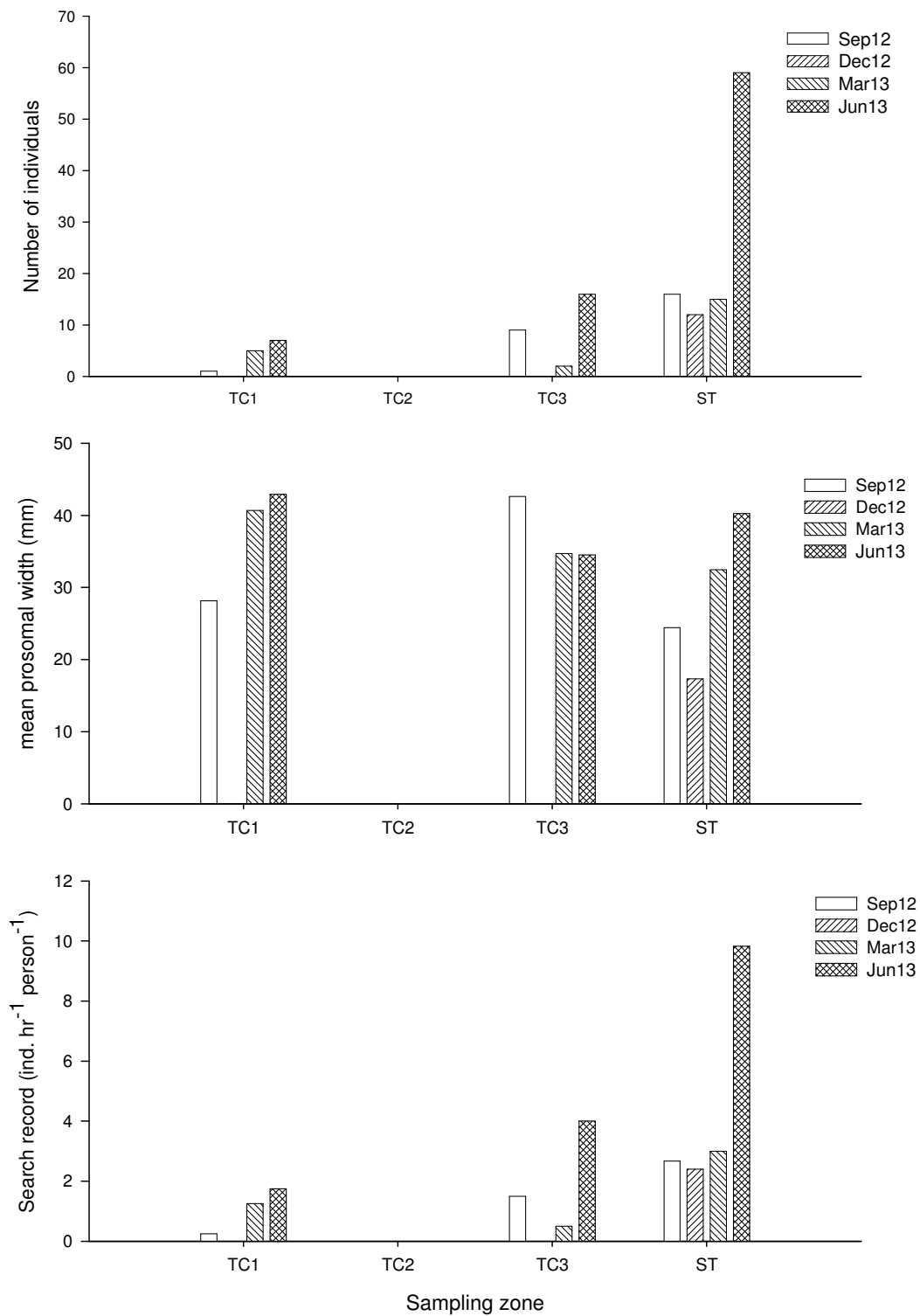


Figure 3.2. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* at the four sampling zones along the sampling months

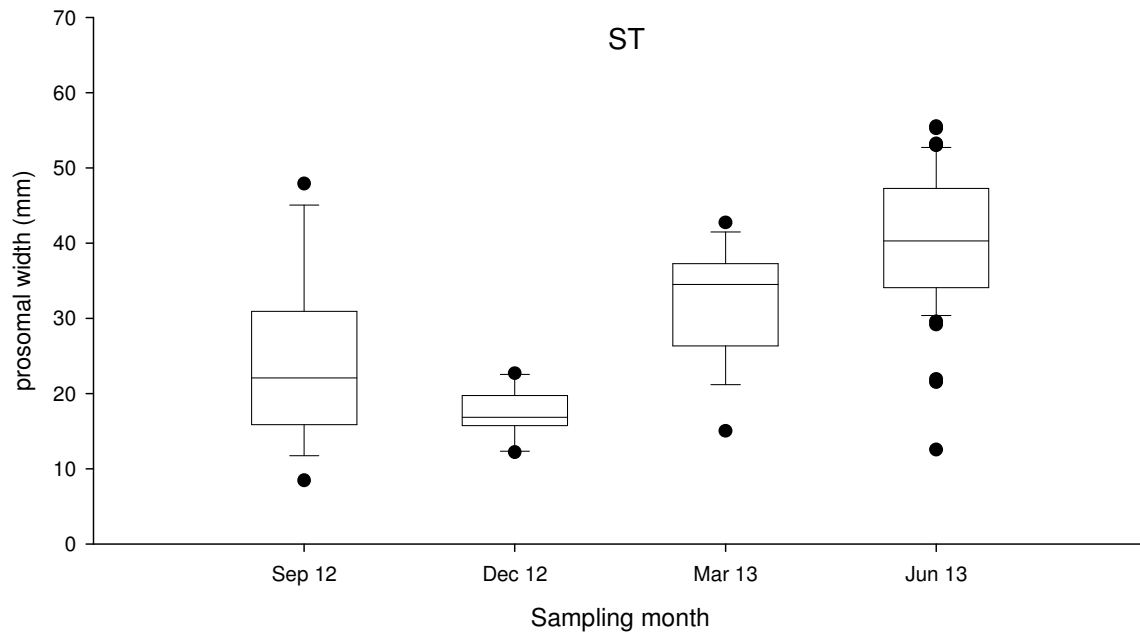


Figure 3.3. Box plot of prosomal width of horseshoe crab *Tachypleus tridentatus* at the sampling zone ST along the sampling months (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample 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>	299.9	22° 17.217' N	113° 55.472' E	--	22° 17.206' N	113° 55.474' E	90-100	Long strands of seagrass bed nearby the seaward side
<i>H. ovalis</i>	463.7	22° 17.206' N	113° 55.474' E	--	22° 17.190' N	113° 55.474' E	90-100	of mangrove area at tidal level 2.0m above C.D.
no. of patches	2							
Total area (m ²)	763.6							
Average area (m ²)	381.8							
A small patch grown in the long strand of another								
<i>Zostera japonica</i>	14.6	22° 17.206' N	113° 55.475' E	--	22° 17.194' N	113° 55.471' E	70-90	seagrass species <i>Halophila ovalis</i>
no. of patches	1							
Total area (m ²)	14.6							
Average area (m ²)	14.6							

Halophila ovalis



Zostera japonica



Figure 3.4. Examples of photographic records of seagrass beds survey at ST (taken on 10/06/2013)

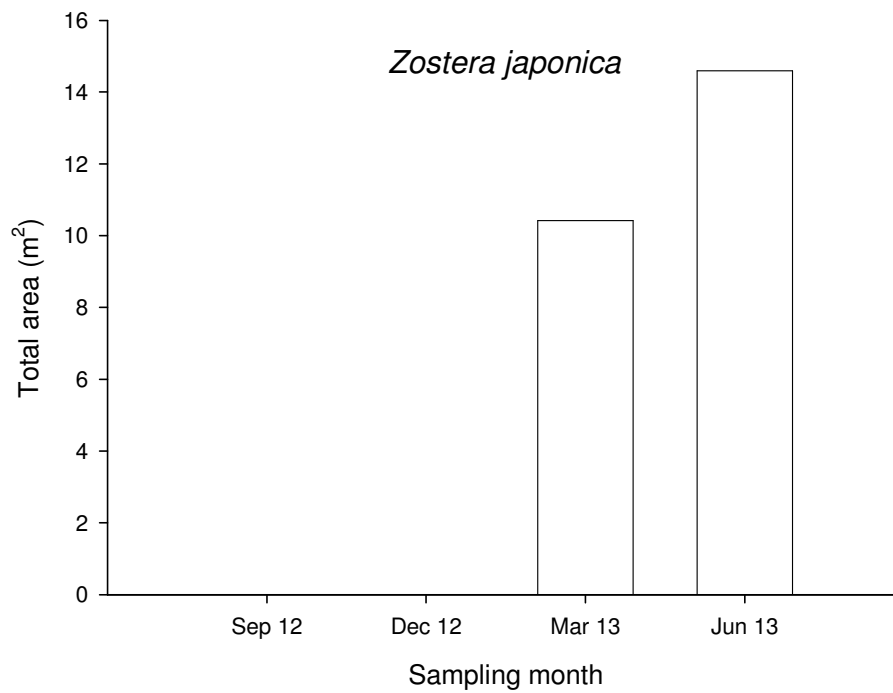
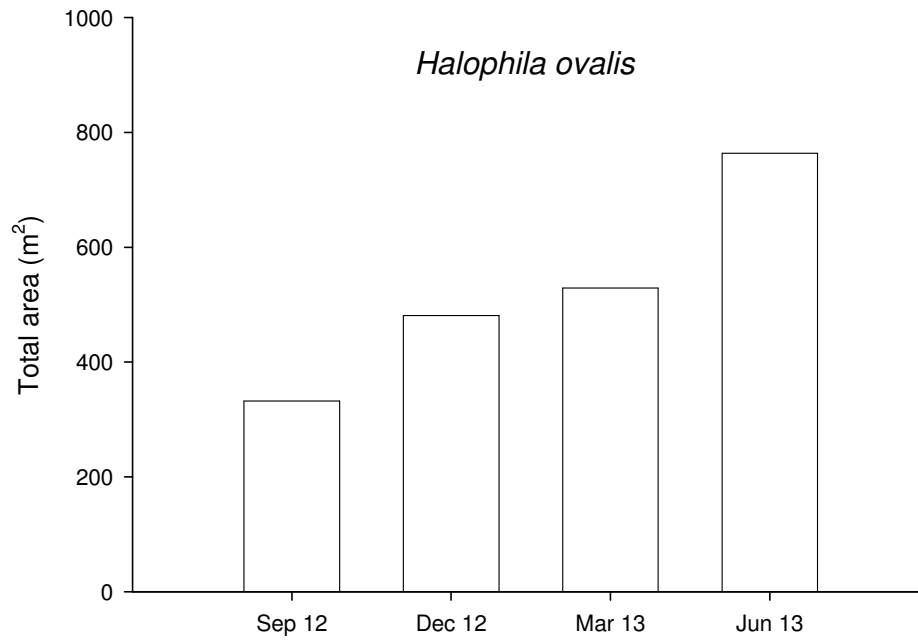


Figure 3.5. Changes of estimated total area of seagrass beds at sampling zone ST along the sampling months

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	30	70	
	M	80	20	
	L	50	40	10
TC2	H	10	80	10
	M	20	60	20
	L		20	80
TC3	H		90	10
	M	10	60	30
	L	70	10	20
ST	H	100		
	M	70	30	
	L	20	40	40

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

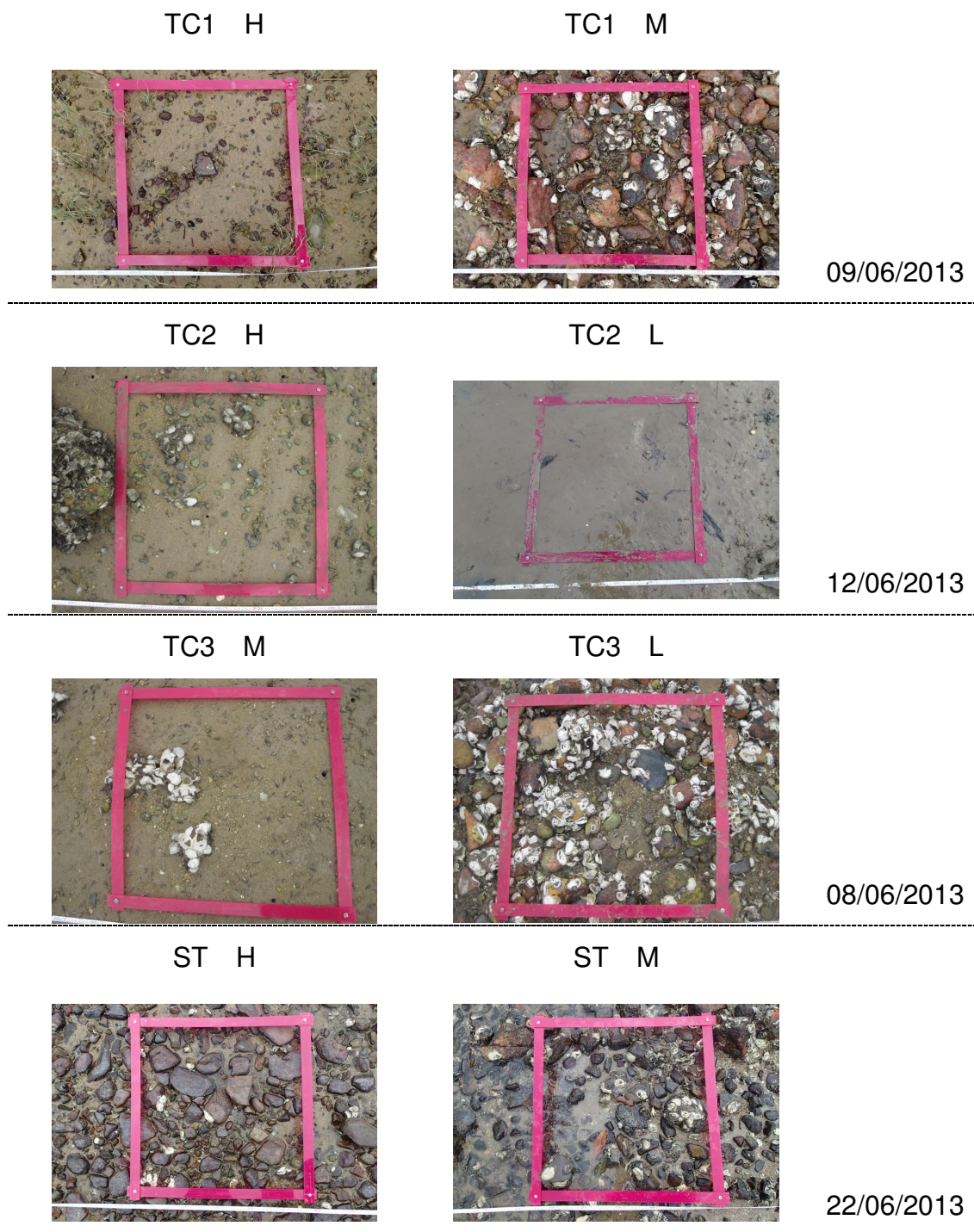


Figure 3.6. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

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

Phylum	Total Abundance	%	Density (ind. m ⁻²)	Number of taxon
<i>Jun 2013</i>				
Mollusca	16751	96.7	558	43
Arthropoda	416	2.4	14	17
Annelida	79	0.5	3	14
Sipuncula	63	0.4	2	2
Cnidaria	10	0.1	0	1
Echinodermata	5	0.0	0	2
Nemertea	4	0.0	0	1
Chordata	1	0.0	0	1
Total	17329			

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	4990	95.9	665	2608	96.0	348	5464	96.8	729	3689	97.9	492
Arthropoda	164	3.2	22	65	2.4	9	136	2.4	18	51	1.4	7
Sipuncula	34	0.7	5	2	0.1	0	21	0.4	3	6	0.2	1
Annelida	9	0.2	1	39	1.4	5	20	0.4	3	11	0.3	1
Nemertea	2	0.0	0	1	0.0	0				1	0.0	0
Echinodermata	2	0.0	0	2	0.1	0	1	0.0	0			
Chordata										1	0.0	0
Cnidaria							1	0.0	0	9	0.2	1
Sub-total	5201			2717			5643			3768		

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>	450	56	56
	G	<i>Cerithidea djadjariensis</i>	208	26	81
Mid	G	<i>Batillaria multiformis</i>	379	41	41
	G	<i>Monodonta labio</i>	164	18	59
	Bi	<i>Saccostrea cucullata</i>	143	16	74
	G	<i>Cerithidea djadjariensis</i>	105	11	86
Low	Bi	<i>Saccostrea cucullata</i>	66	19	19
	G	<i>Cerithidea djadjariensis</i>	45	13	32
	G	<i>Lunella coronata</i>	44	12	44

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 djadjariensis</i>	142	36	36
	G	<i>Batillaria multiformis</i>	84	21	57
	Bi	<i>Saccostrea cucullata</i>	56	14	71
Mid	G	<i>Cerithidea djadjariensis</i>	164	31	31
	Bi	<i>Saccostrea cucullata</i>	84	16	47
	G	<i>Monodonta labio</i>	76	14	62
Low	G	<i>Cerithidea djadjariensis</i>	92	55	55
	G	<i>Cerithidea cingulata</i>	20	12	67
	G	<i>Batillaria multiformis</i>	19	11	79
	G	<i>Batillaria zonalis</i>	19	11	90

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>	438	52	52
	G	<i>Cerithidea djadjarisensis</i>	294	35	87
Mid	G	<i>Batillaria multiformis</i>	391	47	47
	G	<i>Cerithidea djadjarisensis</i>	212	25	72
	G	<i>Cerithidea cingulata</i>	96	11	83
Low	Bi	<i>Saccostrea cucullata</i>	164	28	28
	G	<i>Monodonta labio</i>	92	16	44
	G	<i>Lunella coronata</i>	64	11	55

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>	392	63	63
	G	<i>Monodonta labio</i>	127	20	83
Mid	G	<i>Batillaria multiformis</i>	136	21	21
	Bi	<i>Saccostrea cucullata</i>	120	19	40
	G	<i>Monodonta labio</i>	66	10	50
	G	<i>Cerithidea djadjarisensis</i>	65	10	60
Low	G	<i>Cerithidea djadjarisensis</i>	89	38	38
	Bi	<i>Saccostrea cucullata</i>	30	13	50
	G	<i>Batillaria zonalis</i>	26	11	61

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	8	810	1.03	1.54	0.51	0.64
	M	15	921	1.69		0.63	
	L	12	349	1.88		0.77	
TC2	H	10	396	1.57	1.41	0.69	0.65
	M	13	525	1.65		0.65	
	L	6	166	1.01		0.60	
TC3	H	7	838	1.00	1.39	0.54	0.60
	M	10	838	1.29		0.55	
	L	15	580	1.88		0.71	
ST	H	9	623	0.97	1.50	0.44	0.63
	M	15	648	1.97		0.73	
	L	9	236	1.54		0.72	

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

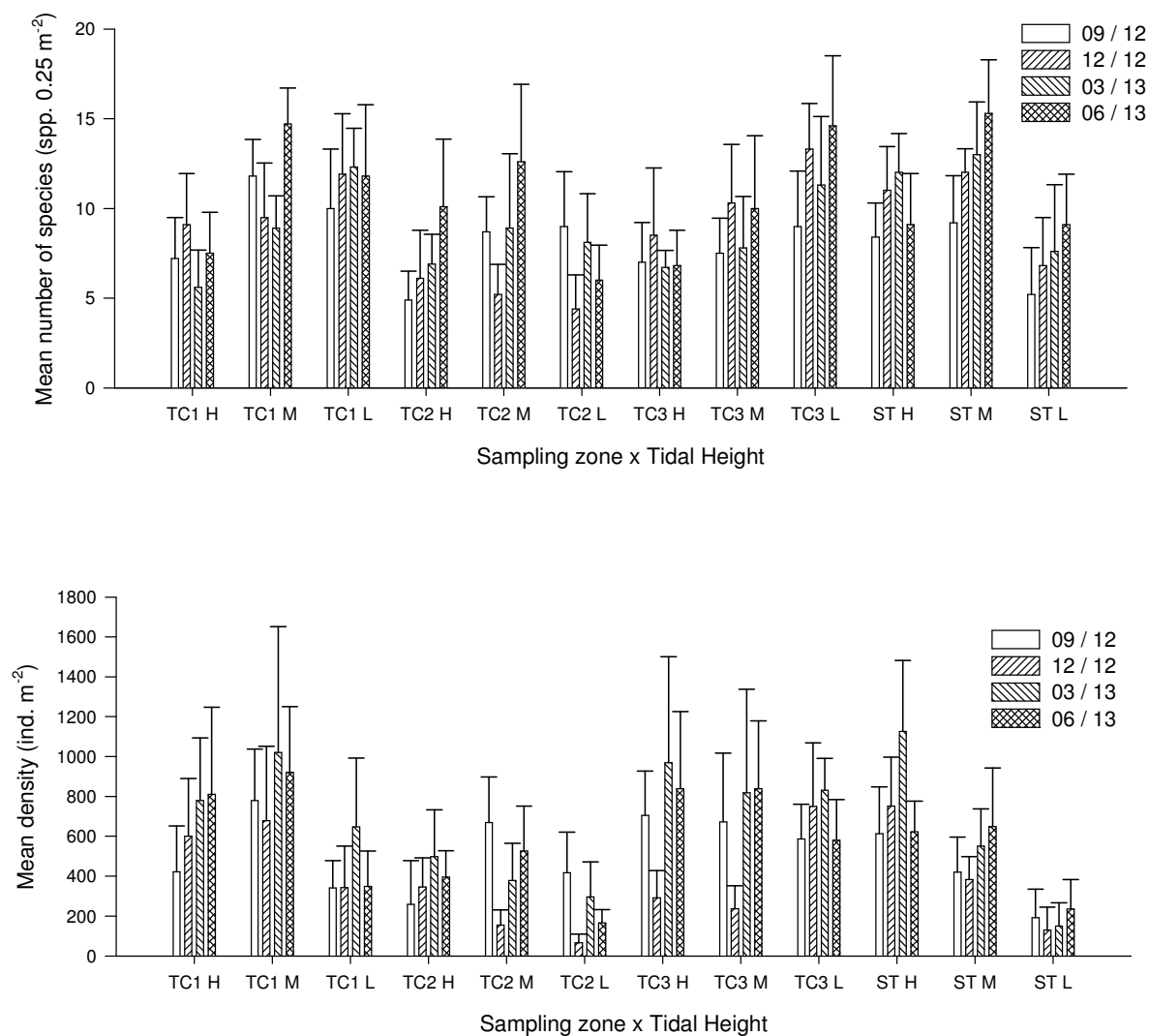
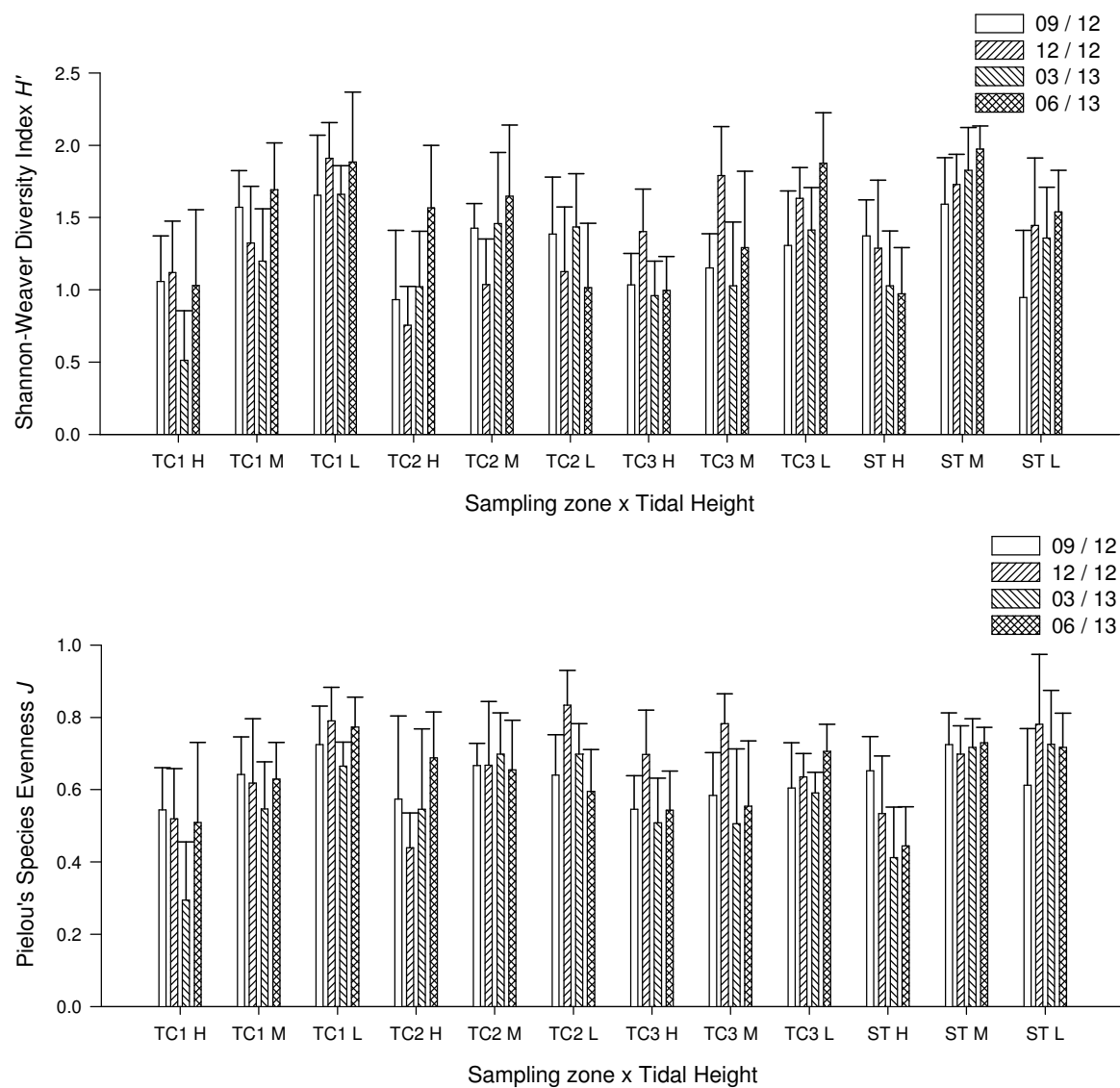


Figure 3.7 (Cont'd). Temporal changes of number of species, density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean $\pm$ SD) at every tidal level and sampling zone



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	Eunicidae	Eunicidae spp.
Animalia	Annelida	Polychaeta	Eunicida	Lumbrineridae	Lumbrineridae spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Glyceridae	Glyceridae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Goniadidae	Goniadidae 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	Spionida	Spionidae	Spionidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinariidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae 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>Uca borealis</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca lactea</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca</i> sp.
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	Portunidae	<i>Lupocyclus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Chasmagnathus convexus</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	Arthropoda	Merostomata	Xiphosurida	Limulidae	<i>Tachypleus tridentatus</i>
Animalia	Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Omobranchus fasciolatoceps</i>
Animalia	Cnidaria				Sea anemone spp.

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

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Echinodermata	Holothuroidea			Sea cucumber spp.
Animalia	Echinodermata	Ophiuroidea	Ophiurida	Amphiuridae	<i>Amphioplus laevis</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia signata</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia virescens</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Scapharca cornea</i>
Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	<i>Xenostrobus atrata</i>
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Saccostrea cucullata</i>
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	<i>Geloina erosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Lucinidae	<i>Anodontia stearnsiana</i>
Animalia	Mollusca	Bivalvia	Veneroida	Mesodesmatidae	<i>Caecella chinensis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Psammobiidae	<i>Soletellina diphos</i>
Animalia	Mollusca	Bivalvia	Veneroida	Solenidae	<i>Solen</i> sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Anomalocardia squamosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Cyclina sinesis</i>
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 djadjariensis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea rhizophorarum</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Terebralia sulcata</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>Littoria melanostoma</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Peasiella</i> spp.
Animalia	Mollusca	Gastropoda	Littorinimorpha	Naticidae	<i>Natica</i> sp.
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	<i>Thais luteostoma</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius festivus</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	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius semiplicatus</i>
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	Gastropoda			<i>unidentified limpet</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>Siphonosoma cumanense</i>
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

Jun 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>Geloina erosa</i>											1		1		3						5
Bi	<i>Saccostrea cucullata</i>	28		1										1				2		1		33
Bi	<i>Xenostrobus atrata</i>	1				1																2
C	<i>Hemigrapsus penicillatus</i>													1						2		3
C	<i>Lupocyclus</i> sp.			1																		1
C	<i>Nanosesarma minutum</i>	4																				4
C	<i>Uca lactea</i>													3		1						4
C	<i>Uca</i> sp.			1										2								3
G	<i>Batillaria multiformis</i>	13		24	1	225		42		239	8	2		64	25	71	32	164	45	171		1126
G	<i>Cellana grata</i>											1										1
G	<i>Cellana toreuma</i>	2																				2
G	<i>Cerithidea cingulata</i>	18		61	1	1				45	5			19		9		29	1	9		198
G	<i>Cerithidea djadjariensis</i>	31		136	2	12		1		25		6		102		50		109	1	44		519
G	<i>Cerithidea rhizophorarum</i>	2		5		1		1		9				10		3		4		3		38
G	<i>Clithon faba</i>	4								1		2						1				8
G	<i>Clithon oualaniensis</i>											2				1		1		2		6
G	<i>Littoraia melanostoma</i>					2																2
G	<i>Littoraria articulata</i>	14				2																16

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

Jun 2013		Sampling zone TC 1		High tidal level (2.0 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>Monodonta labio</i>	49				1														1		51
G	<i>Nerita polita</i>			1																		1
G	<i>Terebralia sulcata</i>											1										1
P	Onuphidae spp.					1																1
S	<i>Penaeus</i> sp.				1																	1
																					Total	2026

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

Jun 2013 Sampling zone TC 1 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		6				1										11		3		23
Bi	<i>Barbatia signata</i>							1										1				2
Bi	<i>Barbatia virescens</i>	1		1				1		12		1		11		2		12		2		43
Bi	<i>Cyclina sinesis</i>					1																1
Bi	<i>Geloina erosa</i>																			1		1
Bi	<i>Ruditapes philippinarum</i>																	11				11
Bi	<i>Saccostrea cucullata</i>	38		6		3		28		58		54		45		63		13		49		357
Bi	<i>Solen</i> sp.					1																1
Bi	<i>Xenostrobus atrata</i>	1						2		1		3		11		4				2		24
C	<i>Hemigrapsus penicillatus</i>	2				1		1				1		1				1		2		9
C	<i>Macrophthalmus erato</i>																	2				2
C	<i>Nanosesarma minutum</i>	3						4		2				1		3				1		14
C	<i>Uca lactea</i>				1																	1
C	<i>Uca vocans</i>				1	2																3
Ec	Sea cucumber spp.											1										1
G	<i>Batillaria multiformis</i>	54		43		29		127		131		196		137		105		43		82		947
G	<i>Batillaria zonalis</i>			3	1																	4
G	<i>Cellana grata</i>											2		2								4

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

Jun 2013 Sampling zone TC 1 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>Cellana toreuma</i>									1												1
G	<i>Cerithidea cingulata</i>	7		1		1				1		3		6		2		4		2		27
G	<i>Cerithidea djadjariensis</i>	25		16		71	1	9		3		7		45		19		32		34		262
G	<i>Cerithidea rhizophorarum</i>	1				3		2										3		4		13
G	<i>Clithon faba</i>			1																		1
G	<i>Clithon oualaniensis</i>			1				1														2
G	<i>Lepidozona</i> sp.															1						1
G	<i>Littoraria articulata</i>	4						1		2		1										8
G	<i>Lunella coronata</i>	5		1				1		2		1		8		13		2		5		38
G	<i>Monodonta labio</i>	61		13		1		66		63		65		33		53		20		34		409
G	<i>Nassarius festivus</i>				1																	1
G	<i>Nerita polita</i>	1												4				3				8
G	<i>Nipponacmea concinna</i>	4		1				10		2		11		2		15		4		7		56
G	<i>Patelloida pygmaea</i>							1		2		3				1				1		8
Hc	<i>Clibanarius</i> sp.					1																1
Ne	Nemertea spp.													2								2
P	Maldanidae spp.			1	1																	2
P	Polynoidae spp.							1														1

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

Jun 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	
Sp	<i>Sipunculus nudus</i>	1		2												1		1		8		13	
																						Total	2302

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

Jun 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>	13		1						8		3				4		14		5		48
Bi	<i>Barbatia signata</i>	10								3				1				4				18
Bi	<i>Barbatia virescens</i>									3		1		3		8		12				27
Bi	<i>Dosinia japonica</i>						2															2
Bi	<i>Ruditapes philippinarum</i>									2		5	4	11						4		26
Bi	<i>Saccostrea cucullata</i>	49		7						25		21		17		2		28		17		166
Bi	<i>Solen</i> sp.						1															1
Bi	<i>Soletellina diphos</i>									1												1
Bi	<i>Xenostrobus atrata</i>	5										6				16		15		20		62
C	<i>Hemigrapsus penicillatus</i>	1								1		1		4		3		10		2		22
C	<i>Nanosesarma minutum</i>	8								4				3		2		6		2		25
Ec	Sea cucumber spp.								1													1
G	<i>Batillaria bornii</i>									4	1	7						3				15
G	<i>Batillaria multiformis</i>			2		3		8		15	1	22	4	1				3		2		61
G	<i>Batillaria zonalis</i>	2		24	1	20		19		2		7	6	2		2						85
G	<i>Cerithidea cingulata</i>			5																		5
G	<i>Cerithidea djadjariensis</i>	56		21		7		1		14		13										112
G	<i>Cerithidea rhizophorarum</i>	8		2																		10

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

Jun 2013	Sampling zone TC 1	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>Clithon oualaniensis</i>	1																				1
G	<i>Lepidozona</i> sp.											2		2						2		6
G	<i>Lunella coronata</i>	8		1						11		9		9		23		26		22		109
G	<i>Monodonta labio</i>									8	1	6		6								21
G	<i>Nassarius festivus</i>					1							1									2
G	<i>Nerita polita</i>	1								3		2		1		3		4				14
G	<i>Nipponacmea concinna</i>											1		1		1						3
G	<i>Patelloida pygmaea</i>													1		1				1		3
G	<i>Peasiella</i> spp.															1						1
P	<i>Glyceridae</i> spp.																	1				1
P	<i>Maldanidae</i> spp.						1															1
P	<i>Onuphidae</i> spp.				1		1			1												3
Sp	<i>Sipunculus nudus</i>	9								2				7		2				1		21
																					Total	873

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

Jun 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>									1				1		6		3				11
Bi	<i>Barbatia signata</i>																	1				1
Bi	<i>Barbatia virescens</i>																	3		1		4
Bi	<i>Cyclina sinesis</i>			1														1			1	3
Bi	<i>Meretrix meretrix</i>											1										1
Bi	<i>Saccostrea cucullata</i>					2		5		22		13		13		31		37		17		140
Bi	<i>Solen</i> sp.																		1			1
Bi	<i>Xenostrobus atrata</i>											6		1		5		3		7		22
C	<i>Hemigrapsus penicillatus</i>											1				3		2		1	1	8
C	<i>Nanosesarma minutum</i>															1						1
Ec	Sea cucumber spp.												1									1
G	<i>Batillaria bornii</i>											2				1						3
G	<i>Batillaria multiformis</i>	6				17	2	42		15	7	17	2	9		17		43	1	28	4	210
G	<i>Batillaria zonalis</i>									2	1			3		5	1		2	15		29
G	<i>Cerithidea cingulata</i>			14	1	6		6		6	2		1	3	1	7	8	2	9	17	9	92
G	<i>Cerithidea djadjariensis</i>	3		62	1	69	2	45		24	3	47	2	28	3	21		20	2	19	5	356
G	<i>Cerithidea rhizophorarum</i>	15		5	1	2	1	1		3	1	2		1				3				35
G	<i>Clithon faba</i>															1						1

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

Jun 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>Clithon oualaniensis</i>					1												1				2
G	<i>Littoraiia melanostoma</i>	1																				1
G	<i>Lunella coronata</i>							1		1		1		1		4		11		3		22
G	<i>Monodonta labio</i>			1				2		18		1		1		2		4				29
G	<i>Nassarius festivus</i>			1																		1
G	<i>Nipponacmea concinna</i>									3												3
G	<i>Patelloida pygmaea</i>															2		1				3
G	<i>Terebralia sulcata</i>			1																		1
G	<i>Thais luteostoma</i>	1																				1
Ol	Marine oligochaete spp.	5				1																6
P	Onuphidae spp.																		1			1
																					Total	989

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

Jun 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>			5		2				3				1		7				7		25
Bi	<i>Anomalocardia squamosa</i>							2					1									3
Bi	<i>Barbatia signata</i>	1														6				1		8
Bi	<i>Barbatia virescens</i>			2										2		7				3		14
Bi	<i>Caecella chinensis</i>																1					1
Bi	<i>Cyclina sinensis</i>													1				2				3
Bi	<i>Dosinia japonica</i>								1													1
Bi	<i>Ruditapes philippinarum</i>							1												1		2
Bi	<i>Saccostrea cucullata</i>	7		55		5		4		1				13		77		15		33		210
Bi	<i>Xenostrobus atrata</i>			5										4		21				9		39
C	<i>Hemigrapsus penicillatus</i>	4		1										1		3				1		10
C	<i>Nanosesarma minutum</i>													1		2		1				4
Ec	Sea cucumber spp.			1																		1
G	<i>Batillaria bornii</i>					2								4		5		2				13
G	<i>Batillaria multiformis</i>			21		1		1		10		17	1	8	1	15	2	8		27	5	117
G	<i>Batillaria zonalis</i>							16	5	3		6		2		9		9		23		73
G	<i>Cellana toreuma</i>													3								3
G	<i>Cerithidea cingulata</i>			6		5	1	35		14		3				1		3		1		69

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

Jun 2013	Sampling zone TC 2	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>Cerithidea djadjariensis</i>	2		14		31	1	81	5	48	2	57	2	21		46		48		50	3	411	
G	<i>Cerithidea rhizophorarum</i>	2		5				4		1				3		2		1		2		20	
G	<i>Euchelus scaber</i>															1						1	
G	<i>Lunella coronata</i>			7		5		1		1				16		15		7		5		57	
G	<i>Monodonta labio</i>	107		43		4								14		21						189	
G	<i>Nassarius festivus</i>							1				2				1						4	
G	<i>Nerita polita</i>													1		3						4	
G	<i>Nipponacmea concinna</i>	3		3				1														7	
G	<i>Patelloida pygmaea</i>	1		3										1		1						6	
Hc	<i>Pagurus dubius</i>															1						1	
Ol	Marine oligochaete spp.	1																				1	
P	Lumbrineridae spp.								1													1	
P	Maldanidae spp.								4		4		3									11	
P	Onuphidae spp.										1		1									2	
Sp	<i>Siphonosoma cumanense</i>													1				1				2	
																						Total	1313

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

Jun 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>									5												5
Bi	<i>Anodontia stearnsiana</i>		1																			1
Bi	<i>Ruditapes philippinarum</i>			1																		1
Bi	<i>Solen</i> sp.		1				1															2
G	<i>Batillaria multiformis</i>			28	5	9						1			1					3		47
G	<i>Batillaria zonalis</i>	1		7		5		2	2		2	8	1	5				4		10		47
G	<i>Cerithidea cingulata</i>	28	4	5	2			2	1		2	1						1		3		49
G	<i>Cerithidea djadjariensis</i>	10	6	10	3	21		20	6	33		20	7	10	3		6	42		33		230
G	<i>Cerithidea rhizophorarum</i>		1	2						1				1				1				6
G	<i>Dentalium sinuosum</i>																			1		1
G	<i>Lunella coronata</i>											1						1		1		3
G	<i>Nassarius festivus</i>			1		3								1								5
Ne	Nemertea spp.					1																1
P	Maldanidae spp.						3		1				1		1							6
P	Nereididae spp.												3									3
P	Onuphidae spp.										2											2
P	Oweniidae spp.								1													1
P	Pectinariidae spp.								1		2				1							4

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

Jun 2013		Sampling zone TC 2		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	
P	Spionidae spp.						1															1	
																						Total	415

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

Jun 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>Anomalocardia squamosa</i>									1												1
Bi	<i>Caecella chinensis</i>																			1		1
Bi	<i>Cyclina sinensis</i>									1		1	2				1					5
Bi	<i>Dosinia japonica</i>		1																			1
Bi	<i>Geloina erosa</i>																			1		1
Bi	<i>Saccostrea cucullata</i>				44																	44
Bi	<i>Xenostrobus atrata</i>				7																	7
C	<i>Hemigrapsus penicillatus</i>											1										1
C	<i>Uca borealis</i>					1																1
C	<i>Uca lactea</i>											1								1		2
C	<i>Uca vocans</i>					3																3
G	<i>Batillaria multiformis</i>	24	10	143		67	14	119	10	59	23	62	6	77	6	2	5	116	11	286	54	1094
G	<i>Batillaria zonalis</i>			1				3														4
G	<i>Cellana toreuma</i>							1														1
G	<i>Cerithidea cingulata</i>	10	1	22		2		21	4	18	1	15		2		4		17		15	6	138
G	<i>Cerithidea djadjariensis</i>	103	5	69		28		73	2	110		78		51		71	1	91		54		736
G	<i>Cerithidea rhizophorarum</i>	11		1		2		3		2		10				2						31
G	<i>Clithon faba</i>	1		2																3		6

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

Jun 2013	Sampling zone TC 3	High tidal level (2.0 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>Clithon oualaniensis</i>	2										1						2				5
G	<i>Lunella coronata</i>			3																		3
G	<i>Monodonta labio</i>															1						1
HSc	<i>Tachypleus tridentatus</i>									1												1
P	Maldanidae spp.		3										1				3					7
P	Onuphidae spp.								1													1
S	<i>Penaeus</i> sp.																			1		1
																					Total	2096

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

Jun 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		2				3						6
Bi	<i>Barbatia virescens</i>											1										1
Bi	<i>Cyclina sinesis</i>	1							1													2
Bi	<i>Saccostrea cucullata</i>			1						11		42		2		18						74
Bi	<i>Xenostrobus atrata</i>											3				7						10
C	<i>Hemigrapsus penicillatus</i>									2		1				2						5
C	<i>Lupocyclus</i> sp.							1														1
C	<i>Uca lactea</i>	1								2	1			3				1				8
G	<i>Batillaria bornii</i>																	1				1
G	<i>Batillaria multiformis</i>	70	1	95		3		16	2	14	15	13	23	28	8	171	25	147	4	309	33	977
G	<i>Batillaria zonalis</i>	8			1	18		19		9		4			1							60
G	<i>Cerithidea cingulata</i>	83		28		2		18		33	8	20	7	7	20	6	2	1		6		241
G	<i>Cerithidea djadjariensis</i>	69		37		68		63	1	56		50		94	1	45	3	39	3	1		530
G	<i>Cerithidea rhizophorarum</i>	7		2		8		2	2	5		3		11		7		10				57
G	<i>Clithon faba</i>								1	1												2
G	<i>Clithon oualaniensis</i>			1						1												2
G	<i>Littoraria articulata</i>											1				5	1	1		2		10
G	<i>Lunella coronata</i>									1		1		2		3						7

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

Jun 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>Monodonta labio</i>			1						1		7				60						69
G	<i>Nassarius festivus</i>					1			1													2
G	<i>Nassarius semiplicatus</i>					1		10														11
G	<i>Nerita polita</i>									1		3										4
G	<i>Patelloida pygmaea</i>													1								1
G	unidentified limpet											3										3
Hc	<i>Pagurus dubius</i>									1						1						2
P	Ampharetidae spp.													1								1
P	Maldanidae spp.	1	1				4							1								7
P	Polynoidae spp.											1										1
S	<i>Penaeus</i> sp.						1															1
																					Total	2096

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

Jun 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		28				6		1						10				9		57
Bi	<i>Barbatia signata</i>	19		30				5		13		8		1		4		1				81
Bi	<i>Barbatia virescens</i>	7		3						2				5		2		2				21
Bi	<i>Dosinia japonica</i>								1													1
Bi	<i>Ruditapes philippinarum</i>	5														1		1				7
Bi	<i>Saccostrea cucullata</i>	69		71				1		31		71		61		77		16		14		411
Bi	<i>Xenostrobus atrata</i>	2		4						1		9				2		1		2		21
C	<i>Chasmagnathus convexus</i>											1										1
C	<i>Etisus laevimanus</i>															1						1
C	<i>Hemigrapsus penicillatus</i>	3		2						1				4				3		2		15
C	<i>Metopograpsus latifrons</i>	1		5						1												7
C	<i>Nanosesarma minutum</i>	1		3		1				2		3		1		1						12
Cn	Sea anemone spp.	1																				1
Ec	<i>Amphioplus laevis</i>								1													1
G	<i>Batillaria bornii</i>	2							3			1						2		12	4	24
G	<i>Batillaria multiformis</i>	2						2		25		11		11		10		36		2		99
G	<i>Batillaria zonalis</i>	1				6		1												10	1	19
G	<i>Cellana toreuma</i>									3		1		10		3		5				22

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

Jun 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>Cerithidea cingulata</i>					2		1												3		6
G	<i>Cerithidea djadjariensis</i>	3				39		19	2	11		6		1				10		40	1	132
G	<i>Cerithidea rhizophorarum</i>	1				6		8	2	3				3				1		12		36
G	<i>Chlorostoma argyrostoma</i>			9																		9
G	<i>Lepidozonia</i> sp.	1								3				1				1		1		7
G	<i>Lunella coronata</i>	32		12						20		18		15		22		26		16		161
G	<i>Monodonta labio</i>	27								45		21		76		36		26				231
G	<i>Nassarius festivus</i>	1		1																		2
G	<i>Nerita polita</i>	1		3						1		1		2		2		2				12
G	<i>Patelloida pygmaea</i>					1						1						1		2		5
G	unidentified limpet			14																		14
Hc	<i>Diogenes</i> sp.							6														6
Hc	<i>Pagurus dubius</i>			1										3								4
P	Maldanidae spp.			1																		1
P	Polynoidae spp.																	1				1
P	Terebellidae spp.								1													1
S	<i>Penaeus</i> sp.																			1		1
Sp	<i>Siphonosoma cumanense</i>											4										4

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

Jun 2013	Sampling zone TC 3	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	
Sp	<i>Sipunculus nudus</i>	6		6								4						1				17	
																						Total	1451

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

Jun 2013	Sampling zone ST	High tidal level (2.0 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
Bi	<i>Barbatia signata</i>																			1		1
Bi	<i>Caecella chinensis</i>			10		1		5				1				8				47		72
Bi	<i>Ruditapes philippinarum</i>							1														1
Bi	<i>Saccostrea cucullata</i>	7				2				8								3				20
Bi	<i>Xenostrobus atrata</i>			1		1														2		4
C	<i>Hemigrapsus penicillatus</i>									3								1				4
C	<i>Nanosesarma minutum</i>	1		1																3		5
Cn	Sea anemone spp.					1				2				1								4
G	<i>Batillaria bornii</i>	3				1				1		5		4				3		2		19
G	<i>Batillaria multiformis</i>	127		179		68		104		68		63		146		65		135		25		980
G	<i>Cellana toreuma</i>			1								6		1				1				9
G	<i>Cerithidea cingulata</i>	7		6								2		7				6		1		29
G	<i>Cerithidea djadjariensis</i>	5		7		1		1		1		9		5		1		17		1		48
G	<i>Cerithidea rhizophorarum</i>			2										2				2		1		7
G	<i>Clithon faba</i>											3		1		2		5				11
G	<i>Littoraria articulata</i>					1		1												2		4
G	<i>Lunella coronata</i>											3						1		1		5
G	<i>Monodonta labio</i>	15		7		66		6		39		87		4		8		3		83		318

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

Jun 2013	Sampling zone ST	High tidal level (2.0 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>Nerita polita</i>	1																			3		4
G	<i>Nipponacmea concinna</i>																				8		8
G	<i>Patelloida pygmaea</i>									1		1						1			2		5
																						Total	1558

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

Jun 2013	Sampling zone ST	High 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	
Ba	<i>Balanus amphitrite</i>			1																		1	
Bi	<i>Barbatia signata</i>									1										4		5	
Bi	<i>Barbatia virescens</i>							3		2		4		3		1				3		16	
Bi	<i>Dosinia japonica</i>				2		1		2													5	
Bi	<i>Ruditapes philippinarum</i>			1																		1	
Bi	<i>Saccostrea cucullata</i>	8		9		21		66		26		62		28		31		19		30		300	
Bi	<i>Xenostrobus atrata</i>			1				1		2		2				3						9	
C	<i>Hemigrapsus penicillatus</i>	1				1		2		7						3		1		2		17	
C	<i>Nanosesarma minutum</i>	1				1		1		1		2		1		3						10	
Cn	Sea anemone spp.			1				1				1		1						1		5	
G	<i>Batillaria bornii</i>	11		15	2	19	3	3		29		13		8		6		9		4		122	
G	<i>Batillaria multiformis</i>	98		43		50	3	50		61		4		8		12		9		3		341	
G	<i>Batillaria zonalis</i>	3		12	1	3		1														20	
G	<i>Cellana toreuma</i>	1				1		1		4		5								6		18	
G	<i>Cerithidea cingulata</i>	25		26	1	36	1	15		28		6		2		8		1		1		150	
G	<i>Cerithidea djadjariensis</i>	18		31	4	41	1			19		7		17		19		1		5		163	
G	<i>Cerithidea rhizophorarum</i>	12		8		13		7		7		2		1		3				2		55	
G	<i>Clithon faba</i>	4								1												5	

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

Jun 2013	Sampling zone	ST	High 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>Clithon oualaniensis</i>				1		2																3
G	<i>Lepidozona</i> sp.				1												1						2
G	<i>Lunella coronata</i>		3		1		5		7		27		29		7		32		9		40		160
G	<i>Monodonta labio</i>		2		1		3		17		88		36		2		1				16		166
G	<i>Nassarius festivus</i>				4	1	2	1	1														9
G	<i>Nassarius semiplicatus</i>				1																		1
G	<i>Nerita polita</i>		1								3		5						1		1		11
G	<i>Nipponacmea concinna</i>		7																				7
G	<i>Patelloida pygmaea</i>										1		1				1						3
G	Peasiella spp.																		1				1
G	<i>Thais luteostoma</i>																				1		1
Hc	<i>Pagurus dubius</i>										2		4		1								7
Ne	Nemertea spp.							1															1
P	Glyceridae spp.							1															1
P	Onuphidae spp.									2													2
Sp	<i>Siphonosoma cumanense</i>						2																2
Sp	<i>Sipunculus nudus</i>												1										1
																						Total	1621

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

Jun 2013	Sampling zone	ST	High 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
Bi	<i>Anomalocardia squamosa</i>							1															1
Bi	<i>Barbatia virescens</i>		2										1										3
Bi	<i>Cyclina sinesis</i>															1							1
Bi	<i>Dosinia japonica</i>						1		1		1												3
Bi	<i>Saccostrea cucullata</i>		6		2		2		5				6				47				6		74
Bi	<i>Scapharca cornea</i>																				1		1
Bi	<i>Xenostrobus atrata</i>									2			4				5						11
C	<i>Hemigrapsus penicillatus</i>		1														1						2
C	<i>Nanosesarma minutum</i>						1						1				2						4
F	<i>Omobranchus fasciolatoceps</i>																1						1
G	<i>Batillaria bornii</i>		8		4												3				2		17
G	<i>Batillaria multiformis</i>		26		3		4		8	1	1	1	9		1		1				1		56
G	<i>Batillaria zonalis</i>		2		15		27		17			4		1									66
G	<i>Cellana toreuma</i>		2																				2
G	<i>Cerithidea cingulata</i>		6		7						6		7								1		27
G	<i>Cerithidea djadjariensis</i>		39		55		13		30	1	14	1	23		4		3		6		33		222
G	<i>Cerithidea rhizophorarum</i>		9		8		1		3		4				1		1		1		1	1	30
G	<i>Chlorostoma argyrostoma</i>																		1				1

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

Jun 2013	Sampling zone ST	High 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>Dentalium sinuosum</i>								1													1	
G	<i>Euchelus scaber</i>																3					3	
G	<i>Lunella coronata</i>	15		4													20		1		2	42	
G	<i>Monodonta labio</i>	5																				5	
G	<i>Nassarius festivus</i>							1		1												2	
G	<i>Natica</i> sp.			1																		1	
G	<i>Patelloida pygmaea</i>																1					1	
Hc	<i>Pagurus dubius</i>	1																				1	
P	Eunicidae spp.												1									1	
P	Goniadidae spp.											1										1	
P	Maldanidae spp.								2							1						3	
P	Onuphidae spp.						1		1						1							3	
Sp	<i>Sipunculus nudus</i>																1				2	3	
																						Total	589