

**Figure 2.1.** The study site was divided into three sampling zones (TC1, TC2, TC3) in Tung Chung Bay and one zone in San Tau (ST) (map generated from Google Map).

TC1



TC2



TC3



ST



**Figure 2.2.** *Photographic record of the environment in every sampling zone.*

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

Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)
<u>Sampling site TC1 (Search hour = 2 hrs)</u>				
<i>Carcinoscorpius rotundicauda</i>				
1	M	22° 16.978' N	113° 55.979' E	28.06
1	S	22° 16.997' N	113° 55.986' E	35.46
1	S	22° 17.033' N	113° 55.974' E	65.43
<u>Sampling site TC2 (Search hour = 2 hrs)</u>				
<i>Carcinoscorpius rotundicauda</i>				
1	M	22° 16.924' N	113° 55.898' E	46.28

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 in every sampling zone.

Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)													
Sampling site TC3 (Search hour = 3 hrs)																	
<i>Carcinoscorpius rotundicauda</i>																	
5	S	22° 16.950' N	113° 55.710' E	20.65	20.93	23	24.54	28.51									
11	S	22° 16.945' N	113° 55.718' E	27.45	22.5	25.7	33.62	37.63	24.25	34.66	26.84	26.63	27.02				
1	S	22° 16.933' N	113° 55.732' E	23.52													
1	S	22° 16.901' N	113° 55.741' E	35.72													
4	S	22° 16.953' N	113° 55.721' E	29.3	29.5	36.24	36.86										
1	S	22° 16.977' N	113° 55.720' E	29.37													
1	M	22° 16.978' N	113° 55.662' E	28.72													
1	S	22° 17.000' N	113° 55.656' E	32.9													
2	M	22° 17.011' N	113° 55.638' E	38.6	40.46												
6	M	22° 17.040' N	113° 55.636' E	16.79	19.02	19.91	30.57	32.19	33.6								
2	M	22° 17.056' N	113° 55.645' E	48.49	49.36												
4	M	22° 17.058' N	113° 55.623' E	38.99	44.35	58.75	69.68										
4	M	22° 17.091' N	113° 55.601' E	29.24	51.1	56.07	65.63										

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 in every sampling zone.

Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)							
<u>Sampling site TC3 (Search hour = 3 hrs)</u>											
<i>Tachypleus tridentatus</i>											
3	S	22° 16.952' N	113° 55.709' E	27.37	29.69	31.43					
3	S	22° 16.947' N	113° 55.716' E	30.26	30.52	32.05					
2	S	22° 16.934' N	113° 55.733' E	30.97	31.04						
2	S	22° 17.002' N	113° 55.658' E	30.01	54.11						
2	M	22° 17.040' N	113° 55.637' E	45.84	51.2						
2	M	22° 17.057' N	113° 55.643' E	49.71	56.59						
7	M	22° 17.059' N	113° 55.624' E	28.42	36.91	39.17	45.25	47.27	47.98	52.09	
5	M	22° 17.088' N	113° 55.601' E	49.97	52.4	55.9	60	72.5			
1	M	22° 17.089' N	113° 55.602' E	58.75							

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 in every sampling zone.

Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)			
Sampling site ST (Search hour = 3 hrs)							
<i>Carcinoscorpius rotundicauda</i>							
1	M	22° 17.132' N	113° 55.561' E	46.8			
4	M	22° 17.147' N	113° 55.535' E	51.26	53.51	57.79	61.19
1	M	22° 17.169' N	113° 55.543' E	51.37			
1	M	22° 17.171' N	113° 55.500' E	50.17			
4	G	22° 17.386' N	113° 55.461' E	22.98	36.74	41.36	43.34
2	M	22° 17.234' N	113° 55.495' E	37.15	37.63		
2 *	M	22° 17.155' N	113° 55.549' E	138.2	155.1		

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

\*: Mating pair that is excluded from the data analysis

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

Ind. #	Sub.	GPS coordinate		Record of prosomal width (mm)			
<u>Sampling site ST (Search hour = 3 hrs)</u>							
<i>Tachypleus tridentatus</i>							
4	M	22° 17.133' N	113° 55.560' E	33.73	37.49	39.86	44.21
2	M	22° 17.146' N	113° 55.536' E	53.29	68.74		
1	M	22° 17.169' N	113° 55.543' E	55.52			
4	M	22° 17.158' N	113° 55.517' E	43.85	49.61	51.55	53.81
1	M	22° 17.171' N	113° 55.499' E	51.02			
1	M	22° 17.222' N	113° 55.478' E	40.19			
1	M	22° 17.223' N	113° 55.479' E	52.94			
1	M	22° 17.221' N	113° 55.477' E	72.66			
1	G	22° 17.383' N	113° 55.460' E	63.07			
1	M	22° 17.234' N	113° 55.495' E	48.4			
1	M	22° 17.364' N	113° 55.487' E	71.88			

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

**TC1** *Carcinoscorpius rotundicauda*



Moult of *C. rotundicauda*



**TC2** *Carcinoscorpius rotundicauda*



**TC3** *Tachypleus tridentatus*



*Carcinoscorpius rotundicauda*



**Figure 3.1.** Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (7, 8, 20, 21 Mar. 2015)



**ST** *Tachypleus tridentatus*

*Carcinoscorpius rotundicauda*



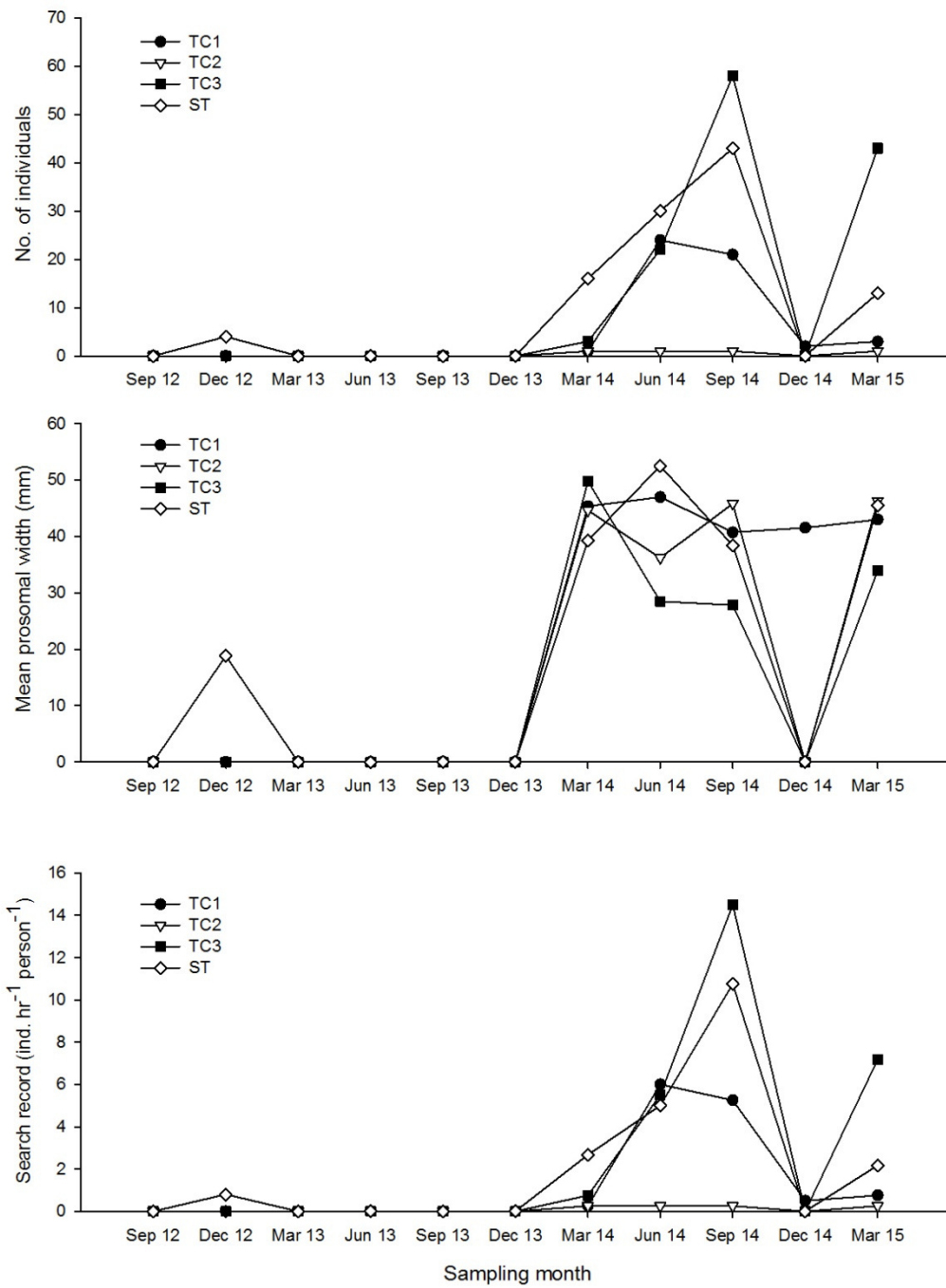
Mating pair of *C. rotundicauda*



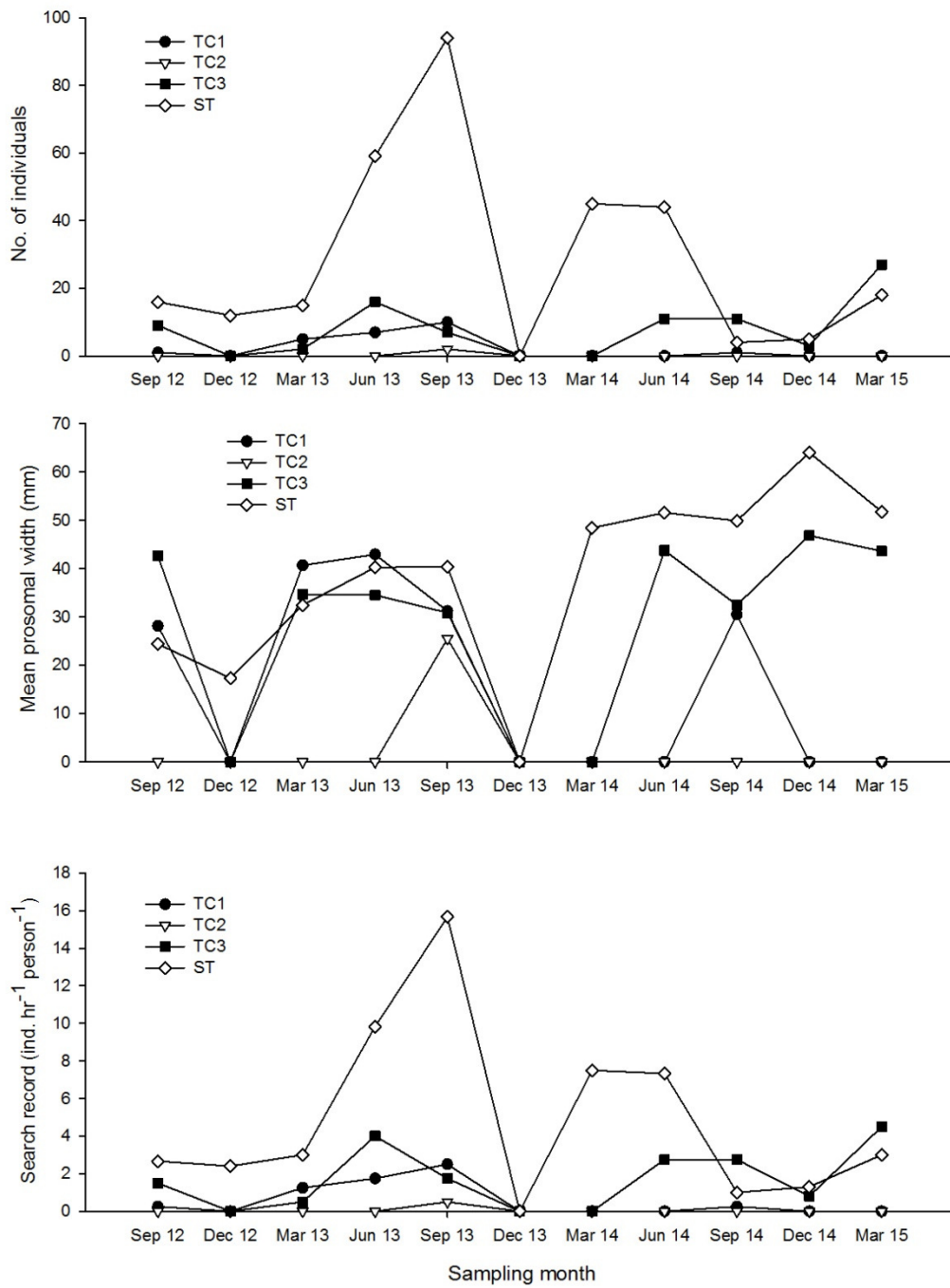
**Figure 3.1 (Cont'd).** *Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (7, 8, 20, 21 Mar. 2015)*

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

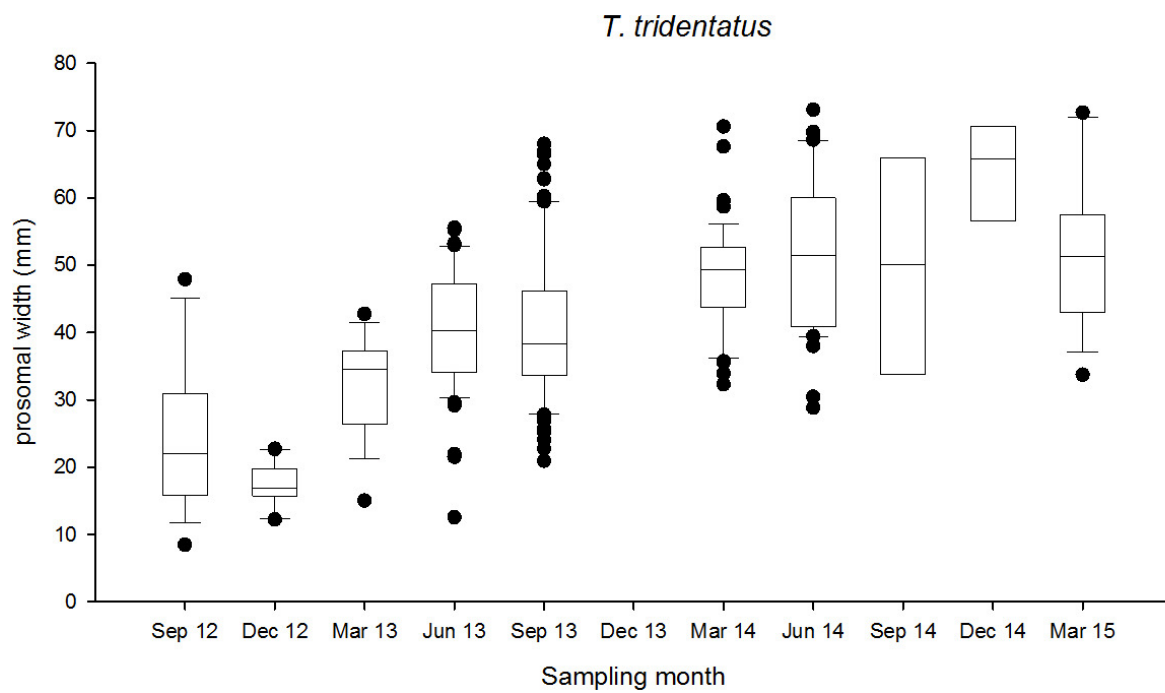
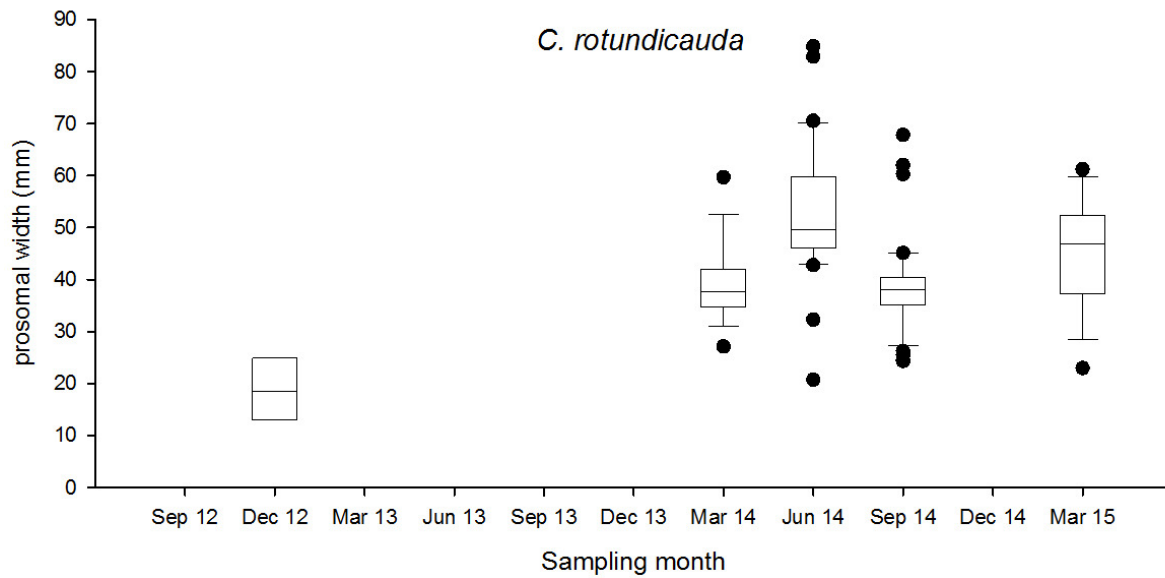
	TC1	TC2	TC3	ST
Search duration (hr)	2	2	3	3
<b><i>Carcinoscorpius rotundicauda</i></b>				
no. of individuals	3	1	43	13
mean prosomal width (mm)	42.98	46.28	33.92	45.48
max. prosomal width (mm)	65.43	\	69.68	61.19
min. prosomal width (mm)	28.06	\	16.79	22.98
Search record (ind. hr <sup>-1</sup> person <sup>-1</sup> )	0.8	0.3	7.2	2.2
<b><i>Tachypleus tridentatus</i></b>				
no. of individuals			27	18
mean prosomal width (mm)			43.61	51.77
max. prosomal width (mm)	N.A.	N.A.	72.50	72.66
min. prosomal width (mm)			27.37	33.73
Search record (ind. hr <sup>-1</sup> person <sup>-1</sup> )			4.5	3.0



**Figure 3.2.** Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Carcinoscorpius rotundicauda* in every sampling zone along the sampling months.



**Figure 3.3.** Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* in every sampling zone along the sampling months.



**Figure 3.4.** Box plot of prosomal width of horseshoe crab in 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.)

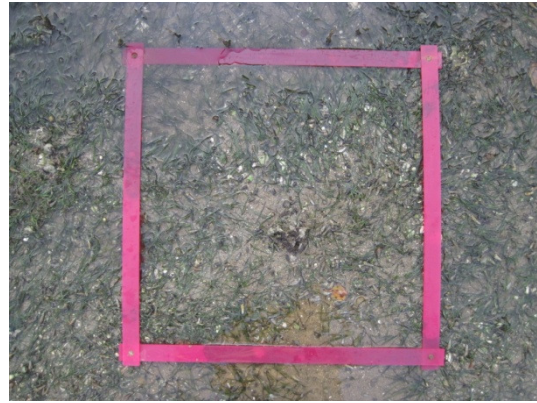
**Table 3.3.** Record of seagrass beds survey in every sampling zone

Estimated area (m <sup>2</sup> )	Estimated coverage (%)		GPS coordinate	Remark
TC1 (search hour = 2 hrs) & TC2 (search hour = 2 hrs) & TC3 (search hour = 3 hrs)				
No record				
ST (search hour = 3 hrs) <i>Halophila ovalis</i>				
1.0	30	\	22° 17.210' N 113° 55.475' E	A small patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D., coinhabiting with another seagrass species
4.0	30	\	22° 17.212' N 113° 55.475' E	A small patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D., coinhabiting with another seagrass species
ST (search hour = 3 hrs) <i>Zostera japonica</i>				
69.6	50-70	Horizontal line	22° 17.216' N 113° 55.475' E 22° 17.199' N 113° 55.473' E	-- A long strand nearby the seaward side of mangrove area at tidal level 2.0m above C.D.

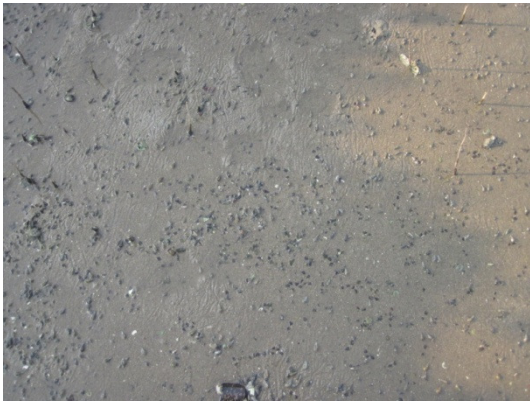
**Table 3.4.** *Summary of seagrass beds survey in the sampling zone ST.*

<b>Summary</b>	<i>Halophila ovalis</i>	<i>Zostera japonica</i>
<b>no. of patches</b>	2	1
<b>Total area (m<sup>2</sup>)</b>	5	69.6
<b>Average area (m<sup>2</sup>)</b>	2.5	23.2

*Zostera japonica*

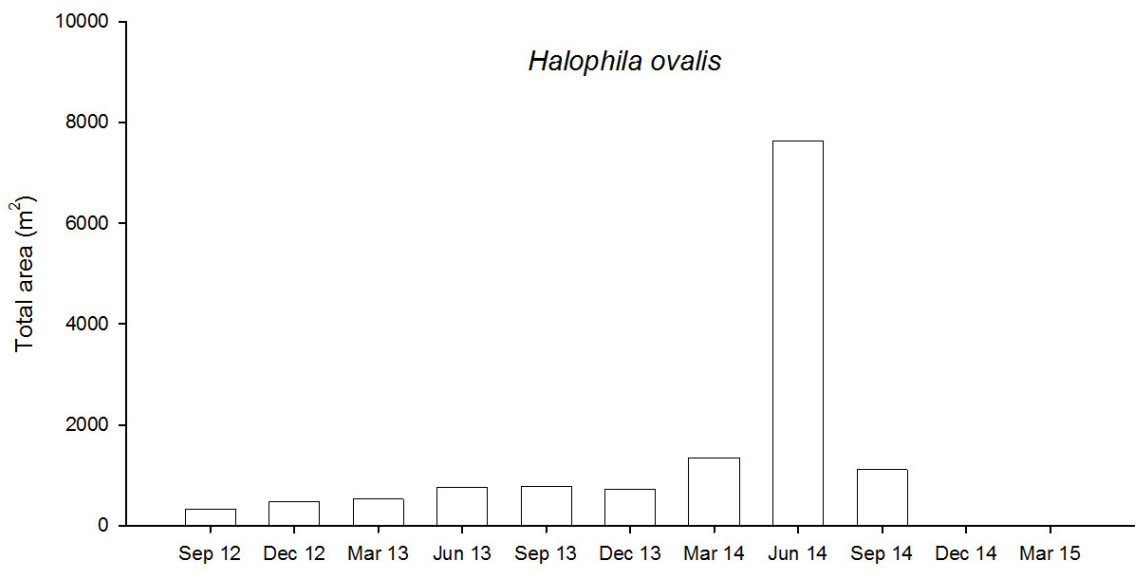
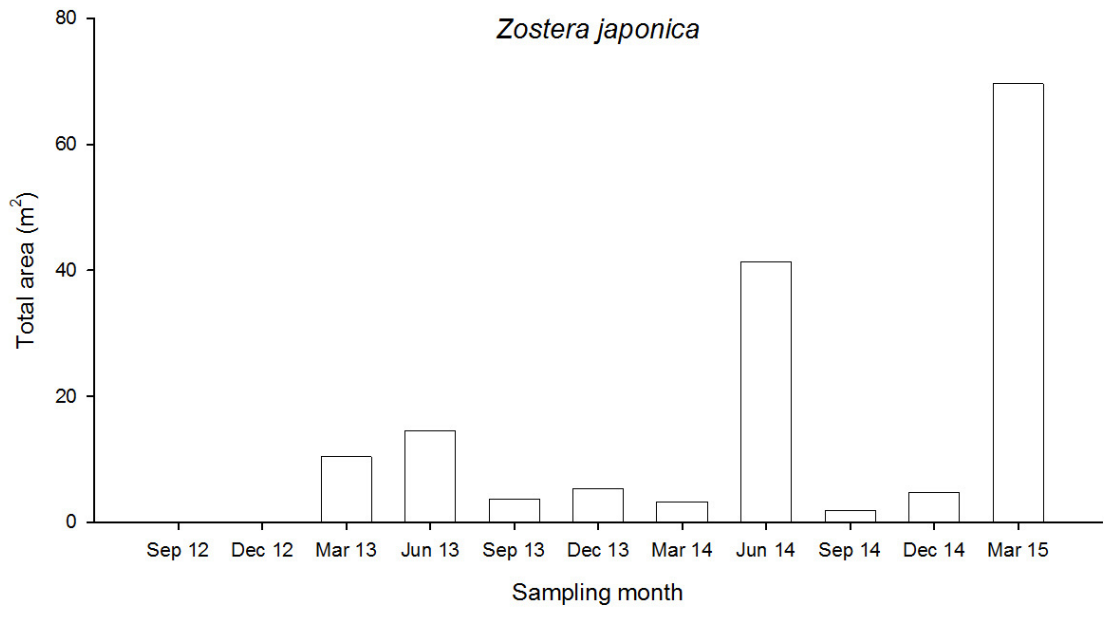


*Halophila ovalis*



**Figure 3.5.** Examples of photographic records of seagrass beds survey in ST (20 Mar. 2015)





**Figure 3.6.** Changes of estimated total area of seagrass beds in ST along the sampling months

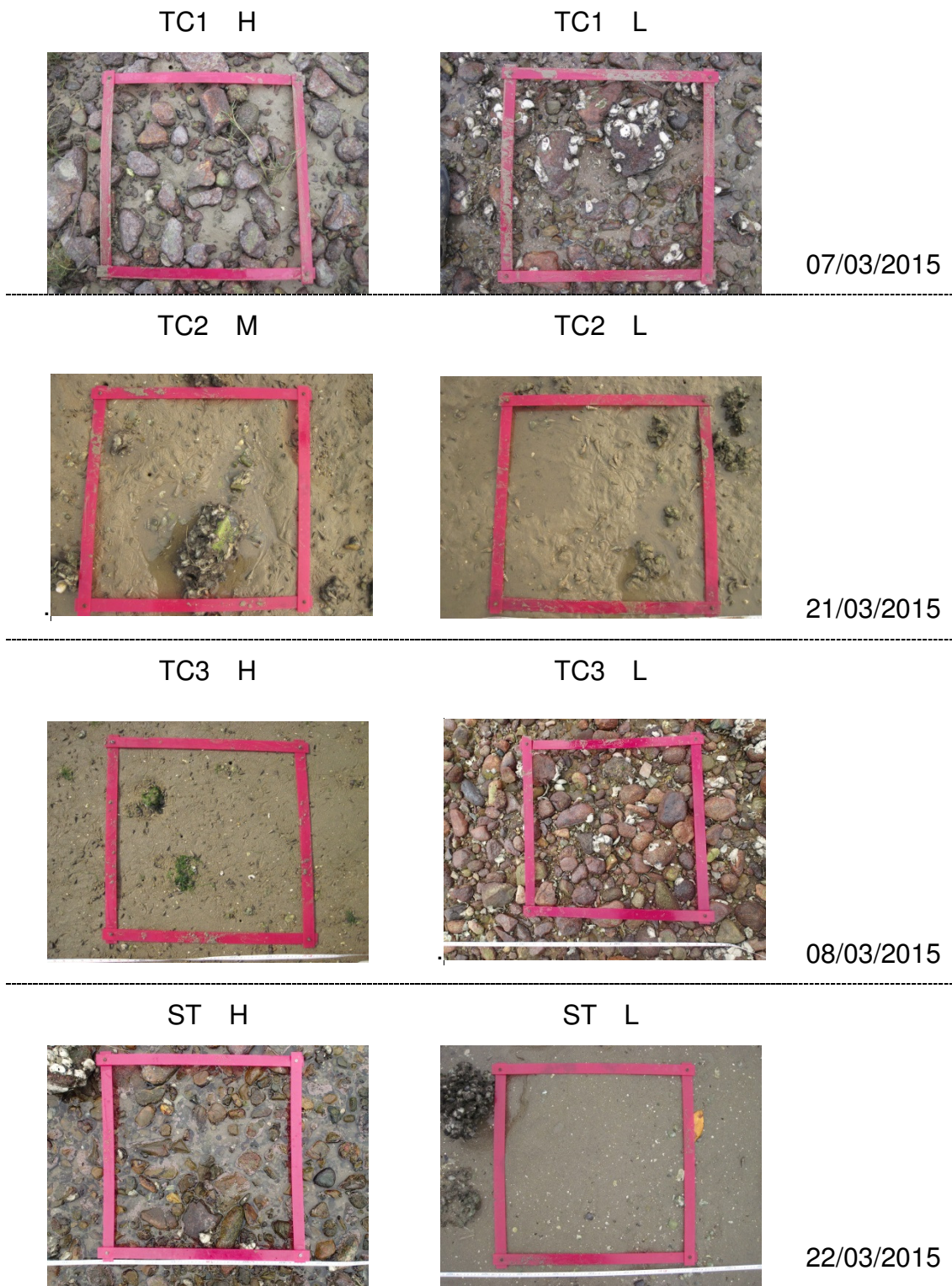


**Figure 3.7.** Comparison of pictures between June 2014 (top), December 2014 (middle) and March 2015 (bottom) shows the disappearance of seagrass *Halophila ovalis* followed by replacement of seagrass *Zostera japonica*.

**Table 3.5.** *Relative distribution (%) of types of substratum along the horizontal transect at every tidal level and in every sampling zone.*

Sampling zone	Tidal level	Percentage		
		Gravels and Boulders	Sands	Soft mud
TC1	H	80		20
	M	90	10	
	L	90	10	
TC2	H		50	50
	M		60	40
	L		30	70
TC3	H		50	50
	M		50	50
	L	100		
ST	H	100		
	M	80	20	
	L	30	40	30

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



**Figure 3.8.** *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 3.6.** *Total abundance, density and number of taxon of every phylum*

<b>Phylum</b>	<b>Total Abundance</b>	<b>%</b>	<b>Density (ind. m<sup>-2</sup>)</b>	<b>Number of taxon</b>
<i>Mar. 2015</i>				
Mollusca	15115	97.9	504	45
Arthropoda	154	1.0	5	13
Annelida	75	0.5	3	8
Sipuncula	47	0.3	2	2
Cnidaria	36	0.2	1	1
Echinodermata	8	0.1	0	1
Nemertea	3	0.0	0	1
Chordata	1	0.0	0	1
Platyhelminthes	1	0.0	0	1
<b>Total</b>	<b>15440</b>			

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

0 ind. m<sup>-2</sup>: Density of the phylum is less than 1 ind. m<sup>-2</sup>.

**Table 3.7.** The number of individuals, relative abundance (percentage) and density of each phylum in every sampling zone.

Phylum	TC1	%	Density (ind. m <sup>-2</sup> )	TC2	%	Density (ind. m <sup>-2</sup> )	TC3	%	Density (ind. m <sup>-2</sup> )	ST	%	Density (ind. m <sup>-2</sup> )
Annelida	15	0.3	2	27	0.8	4	31	0.8	4	2	0.1	0
Arthropoda	18	0.4	2	90	2.6	12	11	0.3	1	35	1.0	5
Chordata										1	0.0	0
Cnidaria										36	1.0	5
Echinodermata	5	0.1	1				2	0.1	0	1	0.0	0
Mollusca	4247	98.8	566	3387	96.4	452	3894	98.4	519	3587	97.7	478
Nemertea				2	0.1	0				1	0.0	0
Platyhelminthes										1	0.0	0
Sipuncula	15	0.3	2	8	0.2	1	18	0.5	2	6	0.2	1
<b>Sub-total</b>	<b>4300</b>			<b>3514</b>			<b>3956</b>			<b>3670</b>		

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

0 ind. m<sup>-2</sup>: Density of the phylum is less than 1 ind. m<sup>-2</sup> of the sampling zone.

**Table 3.8.** *The abundant species (relative abundance >10%) in every sampling zone.*

Sampling zone TC1	Group	Species	mean density (ind. m <sup>-2</sup> )	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	434	77	77
Mid	G	<i>Batillaria multiformis</i>	446	69	69
	G	<i>Monodonta labio</i>	65	10	79
Low	Bi	<i>Saccostrea cucullata</i>	169	33	33
	G	<i>Batillaria multiformis</i>	136	27	60
	G	<i>Monodonta labio</i>	92	18	78

Bi = Bivalve, G = Gastropod

**Table 3.8 (Cont'd).** *The abundant species (relative abundance >10%) in every sampling zone.*

Sampling zone TC2	Group	Species	mean density (ind. m <sup>-2</sup> )	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Cerithidea djadjariensis</i>	506	66	66
	G	<i>Cerithidea cingulata</i>	144	19	85
Mid	G	<i>Cerithidea djadjariensis</i>	150	33	33
	Bi	<i>Saccostrea cucullata</i>	91	20	54
	G	<i>Batillaria zonalis</i>	54	12	66
Low	G	<i>Cerithidea djadjariensis</i>	62	33	33
	Bi	<i>Saccostrea cucullata</i>	41	22	55
	G	<i>Batillaria zonalis</i>	37	20	75

Bi = Bivalve, G = Gastropod



**Table 3.8 (Cont'd).** *The abundant species (relative abundance >10%) in every sampling zone.*

Sampling zone TC3	Group	Species	mean density (ind. m <sup>-2</sup> )	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Cerithidea djadjariensis</i>	290	47	47
	G	<i>Batillaria multiformis</i>	175	28	76
	G	<i>Cerithidea cingulata</i>	129	21	97
Mid	G	<i>Cerithidea djadjariensis</i>	264	46	46
	G	<i>Cerithidea cingulata</i>	161	28	73
	G	<i>Batillaria multiformis</i>	79	14	87
Low	Bi	<i>Saccostrea cucullata</i>	140	36	36
	G	<i>Monodonta labio</i>	109	28	65
	G	<i>Batillaria multiformis</i>	49	13	77

Bi = Bivalve, G = Gastropod

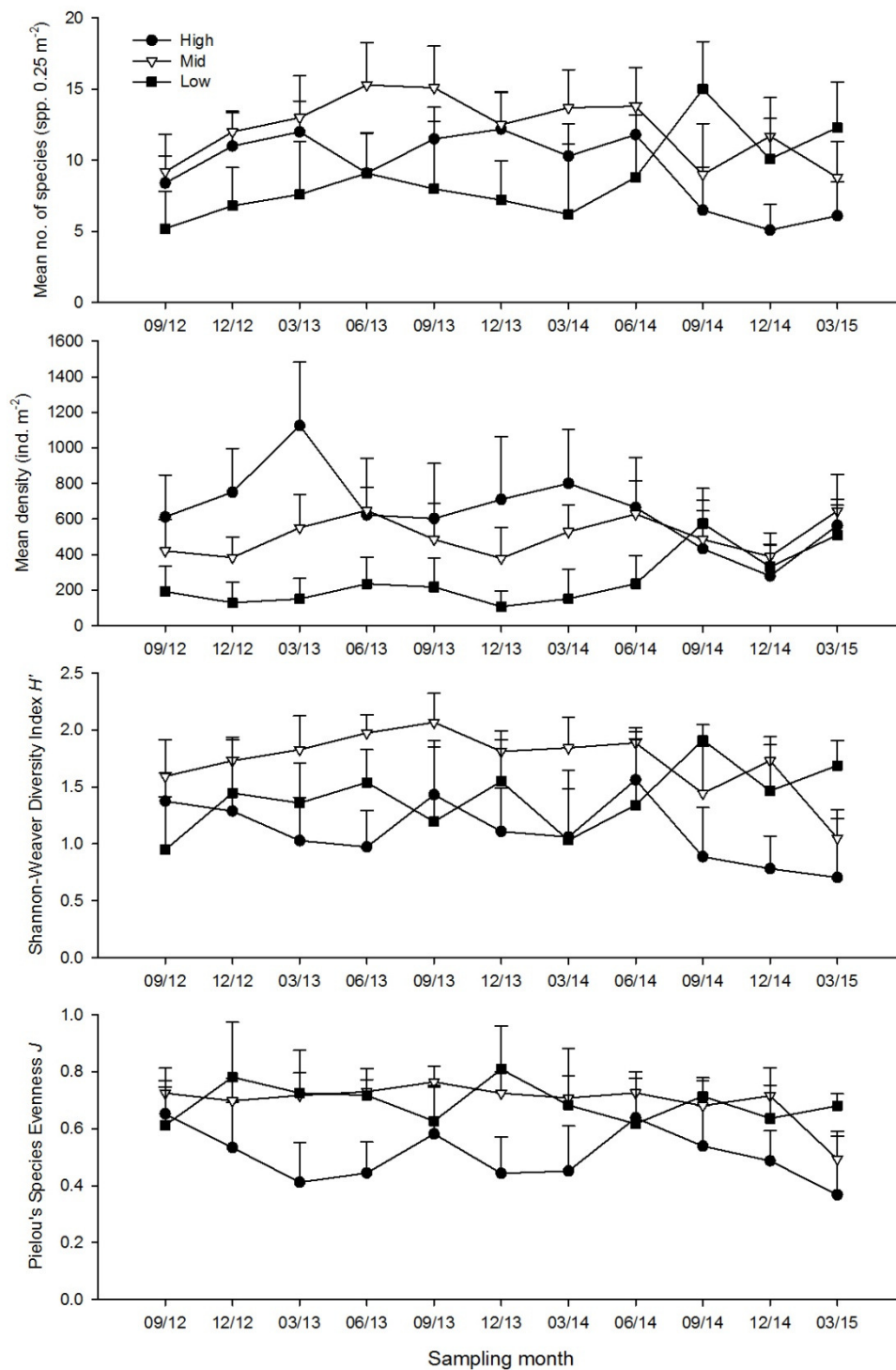
**Table 3.8 (Cont'd).** *The abundant species (relative abundance >10%) in every sampling zone.*

Sampling zone ST	Group	Species	mean density (ind. m <sup>-2</sup> )	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	288	42	42
	G	<i>Monodonta labio</i>	114	17	59
	Bi	<i>Saccostrea cucullata</i>	100	15	73
Mid	Bi	<i>Saccostrea cucullata</i>	136	24	24
	G	<i>Monodonta labio</i>	115	20	44
	G	<i>Batillaria multiformis</i>	92	16	60
Low	G	<i>Lunella coronata</i>	55	26	26
	Bi	<i>Saccostrea cucullata</i>	46	22	48

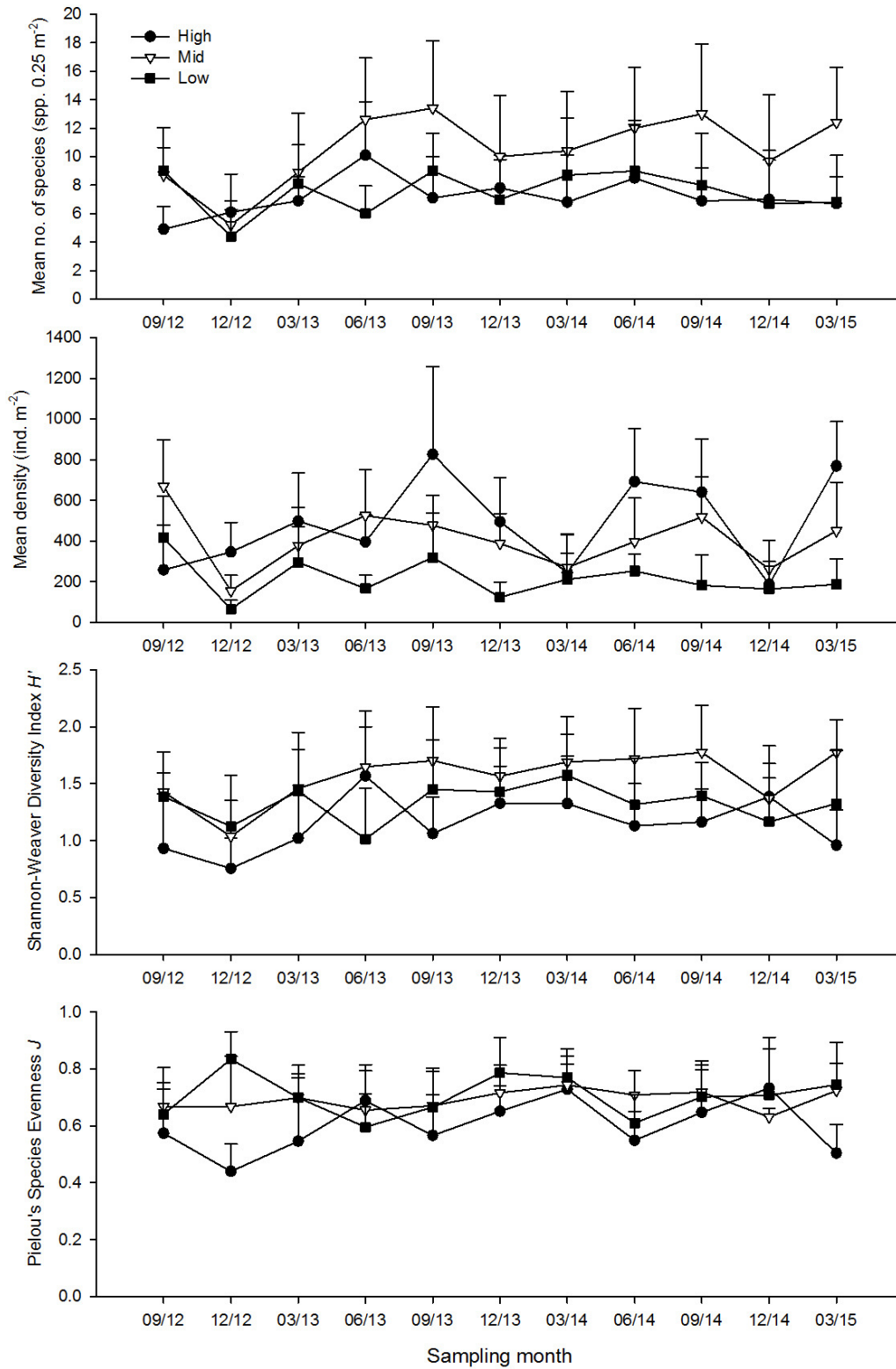
Bi = Bivalve, G = Gastropod

**Table 3.9.** Mean values of number of species, density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) at every tidal level and in every sampling zone

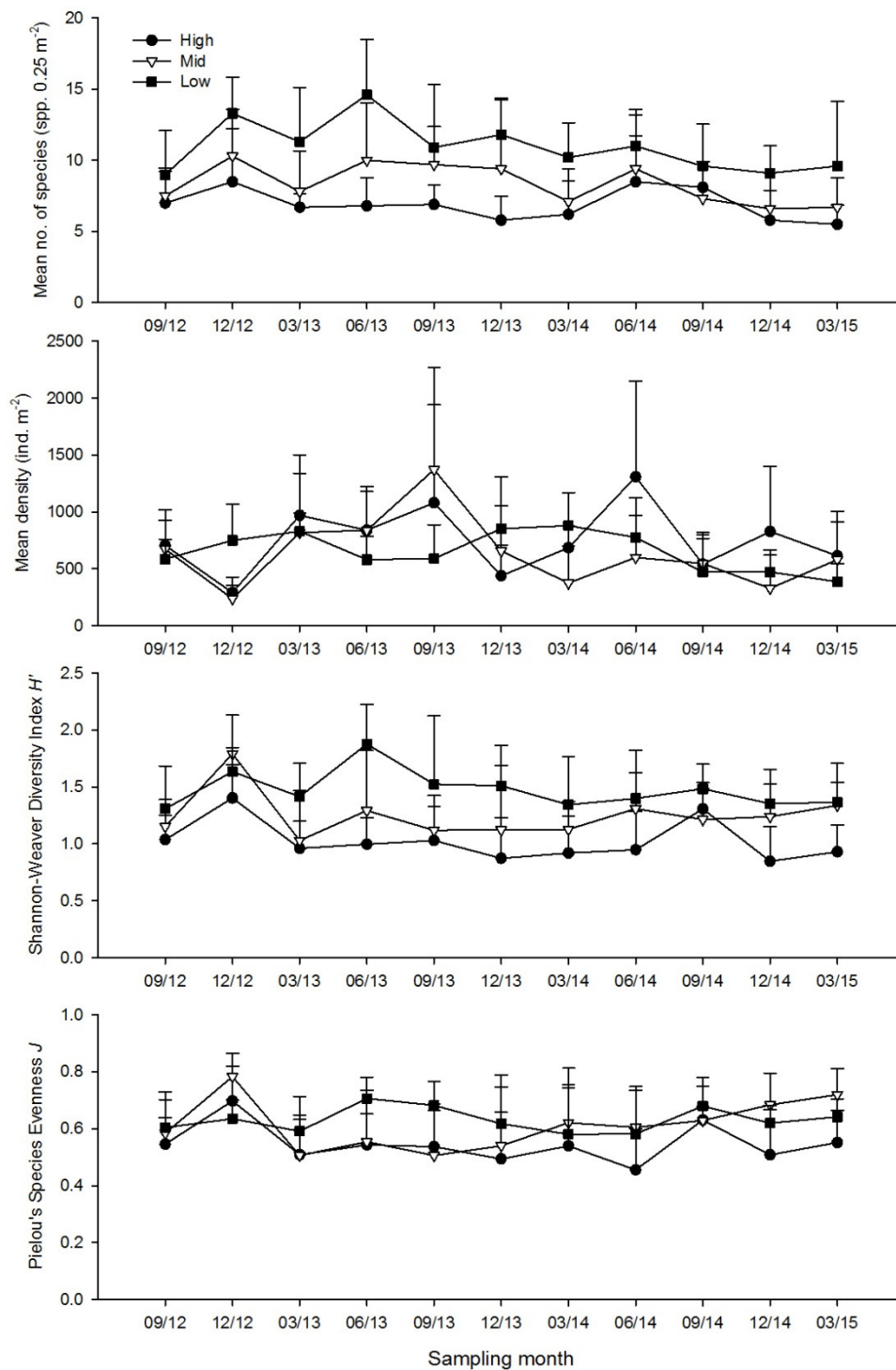
Sampling zone	Tidal level	Mean number of species (spp. 0.25 m <sup>-2</sup> )	Mean density (ind. m <sup>-2</sup> )	Mean $H'$	Mean $H'$ across tidal level	Mean $J$	Mean $J$ across tidal level
TC1	H	6	564	0.70	1.15	0.37	0.51
	M	9	646	1.05		0.49	
	L	12	510	1.69		0.68	
TC2	H	7	768	0.96	1.35	0.50	0.66
	M	12	450	1.77		0.72	
	L	7	187	1.33		0.74	
TC3	H	6	615	0.93	1.21	0.55	0.64
	M	7	581	1.34		0.72	
	L	10	387	1.37		0.64	
ST	H	15	686	1.81	1.81	0.67	0.73
	M	13	571	1.87		0.72	
	L	11	211	1.75		0.79	



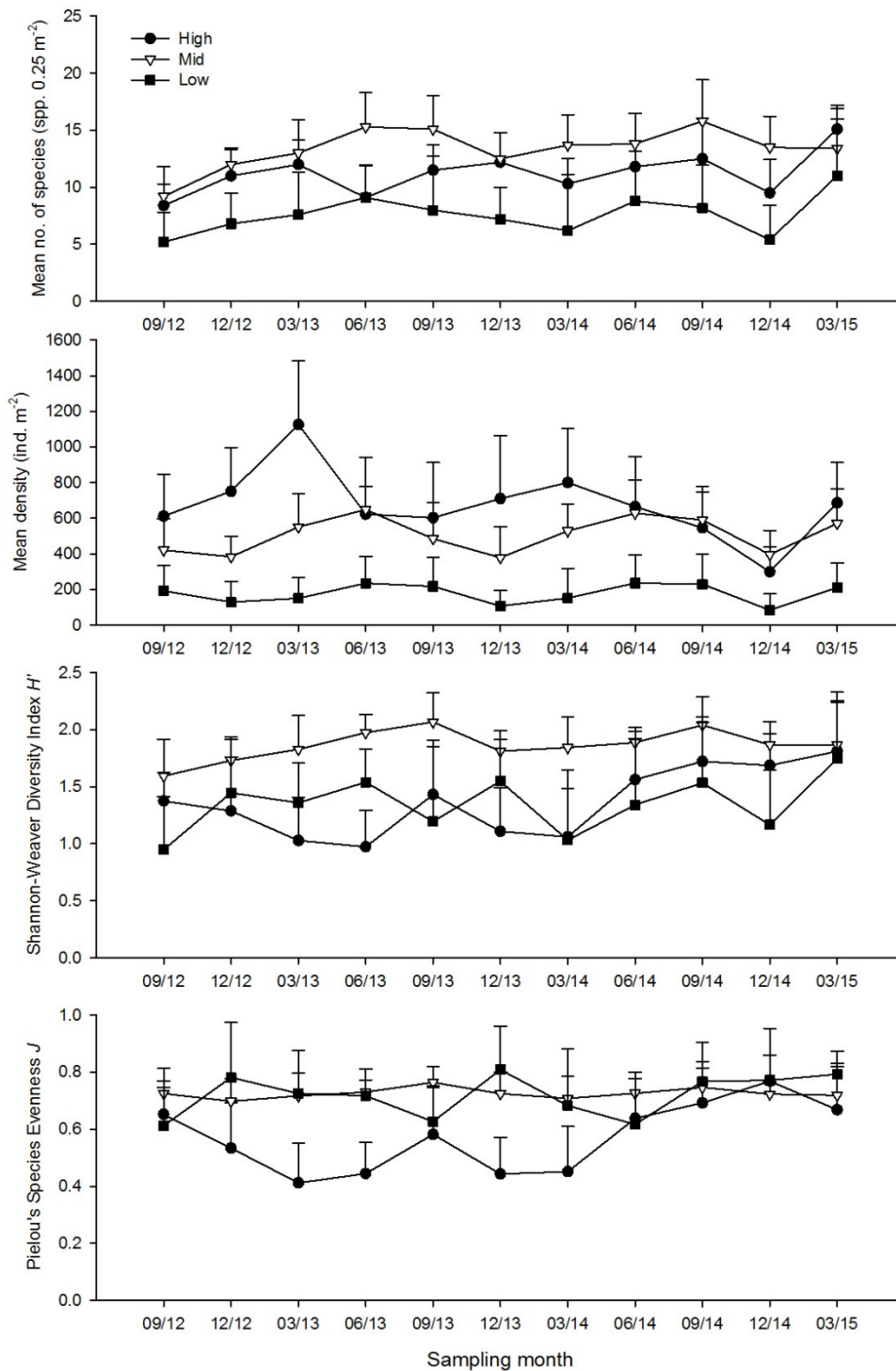
**Figure 3.9.** Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) (mean + SD) at every tidal level in sampling zone TC1



**Figure 3.10.** Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) (mean + SD) at every tidal level in sampling zone TC2



**Figure 3.11.** Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) (mean + SD) at every tidal level in sampling zone TC3



**Figure 3.12.** Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) (mean + SD) at every tidal level in sampling zone ST

**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	Nereididae	Nereididae spp.
Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Cirratulidae	Cirratulidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Pectinariidae	Pectinariidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Penaeidae	<i>Penaeus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Clibanarius</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	<i>Pagurus dubius</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	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Perisesarma fasciata</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus penicillatus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Xanthidae	<i>Etisus laevimanus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	<i>Alpheus brevicristatus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Unidentified goby spp.
Animalia	Cnidaria				Sea anemone spp.
Animalia	Echinodermata	Holothuroidea			Sea cucumber spp.
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	<i>Geloina erosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Glauconomidae	<i>Glaucanome chinensis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Psammobiidae	<i>Soletellina diphos</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Anomalocardia squamosa</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Circe</i> sp.
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Cyclina sinesis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Marcia japonica</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Ruditapes philippinarum</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia signata</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia virescens</i>

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

<b>Kingdom</b>	<b>Phylum</b>	<b>Class</b>	<b>Order</b>	<b>Family</b>	<b>Species</b>
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	Pterioida	Pteriidae	<i>Isognomon isognomon</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	Planaxidae	<i>Planaxis sulcatus</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	Littorinimorpha	Assimineidae	<i>Assiminea lutea</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Peasiella</i> spp.
Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	<i>Pisania ignea</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	<i>Thais luteostoma</i>
Animalia	Mollusca	Gastropoda	Cephalaspidea	Philinidae	<i>Philine vitrea</i>
Animalia	Mollusca	Gastropoda	Pulmonata	Ellobiidae	<i>Pythia cecillei</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		Lottiidae	<i>Nipponacmea concinna</i>
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Patelloida pygmaea</i>
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Patelloida saccharina</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana grata</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana toreuma</i>
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		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.

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

<b>Kingdom</b>	<b>Phylum</b>	<b>Class</b>	<b>Order</b>	<b>Family</b>	<b>Species</b>
Animalia	Mollusca	Scaphopoda	Dentaliida	Dentaliidae	<i>Dentalium sinuosum</i>
Animalia	Nemertea				Nemertea spp.
Animalia	Platyhelminthes				Platyhelminthes 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 in every sampling zone

Mar 2015 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																2
Bi	<i>Saccostrea cucullata</i>			11						1												12
Bi	<i>Xenostrobus atrata</i>																1					1
C	<i>Hemigrapsus penicillatus</i>																1					1
C	<i>Nanosesarma minutum</i>							3														3
Ec	Sea cucumber spp.									1												1
G	<i>Assiminea lutea</i>																		1			1
G	<i>Batillaria multiformis</i>	89		46		45	3	110		141		102		188		112		108		140		1084
G	<i>Batillaria zonalis</i>	4		2																		6
G	<i>Cellana toreuma</i>					1																1
G	<i>Cerithidea cingulata</i>	31		18		4	1			2												56
G	<i>Cerithidea djadjariensis</i>	40		20		42	19	2		3										1		127
G	<i>Cerithidea rhizophorarum</i>	3					3					1		2								9
G	<i>Clithon faba</i>	1		8																		9
G	<i>Clithon oualaniensis</i>	1		1																		2
G	<i>Lepidozona</i> sp.			1																		1
G	<i>Littoraria articulata</i>							8		2		3				2				2		17
G	<i>Lunella coronata</i>			1																		1
																					Total	699

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

Mar 2015    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			
G	<i>Monodonta labio</i>	1						20		6		2		1		14		6		12		62
G	<i>Nassarius festivus</i>	4																				4
G	<i>Nassarius</i> sp.					4																4
G	<i>Pythia cecillei</i>							3														3
OI	Marine oligochaete spp.																			1		1
P	Maldanidae spp.						1					1										2
																					Total	1410

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

Mar 2015 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	
Bi	<i>Barbatia signata</i>											1							1			2
Bi	<i>Geloina erosa</i>													3								3
Bi	<i>Glauconome chinensis</i>		1																			1
Bi	<i>Saccostrea cucullata</i>			7		16		11		9		13				8		24				88
Bi	<i>Xenostrobus atrata</i>					2						2		6				1				11
C	<i>Nanosesarma minutum</i>																	1				1
C	<i>Perisesarma fasciata</i>													1								1
C	<i>Uca vocans</i>			1																		1
Ec	Sea cucumber spp.			1				1				1										3
G	<i>Batillaria multiformis</i>	50	2	54		209		126		171		103		110		78		106		105		1114
G	<i>Cellana toreuma</i>					1				1								1				3
G	<i>Cerithidea cingulata</i>	10	7					5		1						1		3				27
G	<i>Cerithidea djadjariensis</i>	43	3	9		3		29		6		1		1		10		15				120
G	<i>Cerithidea rhizophorarum</i>	5						1		2		2				1						11
G	<i>Clithon faba</i>															1						1
G	<i>Clithon oualaniensis</i>	1																				1
G	<i>Littoraria articulata</i>					7				2		3		19				1		14		46
G	<i>Lunella coronata</i>							1										1				2
G	<i>Monodonta labio</i>	4		27		29		14		20		17		12		20		14		5		162

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

Mar 2015 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			
G	<i>Nassarius festivus</i>	1																				1
G	<i>Nassarius hepaticus</i>	1																				1
G	<i>Nerita polita</i>																		1			1
G	<i>Patelloida pygmaea</i>					2						1		1					1			5
Hc	<i>Clibanarius</i> sp.					1																1
Ol	Marine oligochaete spp.					1								2		1					1	5
P	Ampharetidae spp.		1																			1
P	Nereididae spp.									1												1
Sp	<i>Sipunculus nudus</i>												1									1
																					Total	1615

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

Mar 2015 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	
Bi	<i>Barbatia signata</i>	7				3		1				4		4								19
Bi	<i>Barbatia virescens</i>							5				5		2								12
Bi	<i>Saccostrea cucullata</i>	85				44		65		16		47		60		40		34		31		422
Bi	<i>Xenostrobus atrata</i>	7				1		1				3		1						3		16
C	<i>Hemigrapsus penicillatus</i>																	2				2
C	<i>Metopograpsus latifrons</i>							1														1
C	<i>Nanosesarma minutum</i>	1				1								3						1		6
Ec	Sea cucumber spp.															1						1
G	<i>Batillaria bornii</i>			1		2																3
G	<i>Batillaria multiformis</i>	59		5		9		19		15		32		45		66		51		40		341
G	<i>Batillaria zonalis</i>			20		1																21
G	<i>Cellana toreuma</i>	5				2		12		3				1								23
G	<i>Cerithidea cingulata</i>	1				5		2				1								1		10
G	<i>Cerithidea djadjariensis</i>	4		10						1		2				2		5		6		30
G	<i>Cerithidea rhizophorarum</i>	1		1		2		1												6		11
G	<i>Clithon faba</i>					1				1								6		1		9
G	<i>Clithon oualaniensis</i>	1				1		1		1								1		4		9
G	<i>Euchelus scaber</i>							5														5
G	<i>Lepidozona</i> sp.					1																1



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

Mar 2015 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>Littoraria articulata</i>	2						3											1		1	7
G	<i>Lunella coronata</i>	12				10		10		3		3		4		3		3		8		56
G	<i>Monodonta labio</i>	19				4		25		17		28		38		42		33		25		231
G	<i>Nassarius festivus</i>															1						1
G	<i>Nassarius</i> sp.									1												1
G	<i>Nerita polita</i>	1										1				2		3		1		8
G	<i>Nipponacmea concinna</i>													2							1	3
G	<i>Patelloida pygmaea</i>											4						1		1		6
Hc	<i>Clibanarius</i> sp.																				1	1
Ol	Marine oligochaete spp.															1						1
P	Maldanidae spp.				1	1																2
P	Onuphidae spp.				1																	1
P	Oweniidae spp.				1																	1
Sp	<i>Sipunculus nudus</i>					7						4		1				1		1		14
																					Total	1275

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

Mar 2015 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	
Bi	<i>Barbatia signata</i>					1																1
Bi	<i>Saccostrea cucullata</i>					69								7		3		2			8	89
Bi	<i>Xenostrobus atrata</i>													3								3
C	<i>Uca lactea</i>	6												1		3		6			1	17
G	<i>Batillaria multiformis</i>					2				7		6		10	1	10	1	10	1	5		53
G	<i>Batillaria zonalis</i>											3		6	1	21		10		25		66
G	<i>Cerithidea cingulata</i>	24		11		7		38	1	41		24	1	45	1	47	2	57		57	5	361
G	<i>Cerithidea djadjariensis</i>	85		89		87		191	3	160		106	2	151	2	137	9	160	1	79	3	1265
G	<i>Cerithidea rhizophorarum</i>	3						2		3				10		9		5		7		39
G	<i>Lunella coronata</i>					3														2		5
G	<i>Monodonta labio</i>					1				1		1		2		2				3		10
G	<i>Nassarius festivus</i>			2				2														4
G	<i>Nerita polita</i>									1												1
G	<i>Patelloida pygmaea</i>													1								1
G	<i>Philine vitrea</i>	3																				3
Ne	Nemertea spp.						1															1
P	Ampharetidae spp.		1		1																	2

Total 1921

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

Mar 2015 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>			1								2										3
Bi	<i>Barbatia signata</i>											1		7		3						11
Bi	<i>Barbatia virescens</i>	1		2								9		6		4						22
Bi	<i>Isognomon isognomon</i>																				1	1
Bi	<i>Ruditapes philippinarum</i>															1		1				2
Bi	<i>Saccostrea cucullata</i>	25		17				7		12		81		32		54						228
Bi	<i>Xenostrobus atrata</i>	3																				3
C	<i>Hemigrapsus penicillatus</i>											1				2					1	4
C	<i>Metopograpsus latifrons</i>											1										1
C	<i>Nanosesarma minutum</i>	1										2		1		4						8
C	<i>Uca lactea</i>																		11			11
C	<i>Uca vocans</i>														1							1
G	<i>Batillaria bornii</i>											2				12					1	15
G	<i>Batillaria multiformis</i>	8		3				2		1		8		5		3		6		5		41
G	<i>Batillaria zonalis</i>			5		6		4	1			21	2	28	2	19	1	25	3	17	2	136
G	<i>Cellana grata</i>	1		1																		2
G	<i>Cellana toreuma</i>	1								2						4						7
G	<i>Cerithidea cingulata</i>	5		8				7		2		7		16	1	4		36	1	17		104
G	<i>Cerithidea djadjariensis</i>	28		56		2		46		5		52		68	1	13		57		48		376

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

Mar 2015 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>Cerithidea rhizophorarum</i>			3				1				1		2				2	1	6		16
G	<i>Clithon oualaniensis</i>							1														1
G	<i>Dentalium sinuosum</i>																			1		1
G	<i>Euchelus scaber</i>																1					1
G	<i>Lepidozona</i> sp.									1												1
G	<i>Lunella coronata</i>			2				1		5		6		6		4				2		26
G	<i>Monodonta labio</i>	21		1						6		2		2		24						56
G	<i>Nassarius festivus</i>					1		3		3		1		1		1		1		2		13
G	<i>Nerita polita</i>									2						2						4
G	<i>Patelloida pygmaea</i>			1						2				3		2						8
G	<i>Patelloida saccharina</i>	2																				2
G	<i>Thais luteostoma</i>									1												1
Ne	Nemertea spp.					1																1
P	Maldanidae spp.				2		4	1													1	8
P	Onuphidae spp.						2															2
P	Oweniidae spp.																				1	1
Sp	<i>Sipunculus nudus</i>									1		2	1			3						7
																					Total	1125

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

Mar 2015 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>					9							18				11		3		1	42
Bi	<i>Anomalocardia squamosa</i>																		1		1	2
Bi	<i>Barbatia signata</i>																				1	1
Bi	<i>Barbatia virescens</i>																				6	6
Bi	<i>Circe</i> sp.															2						2
Bi	<i>Saccostrea cucullata</i>					11		9					28				24		15		16	103
Bi	<i>Xenostrobus atrata</i>												2									2
C	<i>Nanosesarma minutum</i>					1																1
G	<i>Batillaria bornii</i>																				5	5
G	<i>Batillaria multiformis</i>					1															1	2
G	<i>Batillaria zonalis</i>			1		17		10		1	1	19	1	2		18		22		1	93	
G	<i>Cerithidea cingulata</i>	1																6		3	10	
G	<i>Cerithidea djadjariensis</i>		1	6		9		25		22		9		9		15		27		33	156	
G	<i>Cerithidea rhizophorarum</i>															1			1		2	
G	<i>Lepidozona</i> sp.											2										2
G	<i>Lunella coronata</i>					5		5				4									3	17
G	<i>Nerita polita</i>																				1	1
G	<i>Patelloida pygmaea</i>															3						3
G	<i>Pisania ignea</i>							1														1

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

Mar 2015 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			
Hc	<i>Clibanarius</i> sp.							1														1
Hc	<i>Pagurus dubius</i>					1																1
P	Maldanidae spp.				1				2		1						1		1			6
P	Onuphidae spp.			1									2		1		1				1	6
P	Oweniidae spp.								1						1							2
Sp	<i>Sipunculus nudus</i>																		1			1
																					Total	468

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

Mar 2015 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>Circe</i> sp.		1																			1
Bi	<i>Geloina erosa</i>							1							1							2
Bi	<i>Saccostrea cucullata</i>			3		1				4				1								9
Bi	<i>Soletellina diphos</i>						1															1
C	<i>Uca</i> sp.									1												1
G	<i>Batillaria multiformis</i>	68	1	27		69		30		58		24		71	3	84	2	1				438
G	<i>Batillaria zonalis</i>	2		1						1												4
G	<i>Cerithidea cingulata</i>	63	1	36	1	25	2			52	1	102		12		21	2		1	2	1	322
G	<i>Cerithidea djadjariensis</i>	92		223	5	131		2		21		20		73		106	9	22		21	1	726
G	<i>Cerithidea rhizophorarum</i>	3		6		2		1		1				3			1	2		2		21
G	<i>Clithon oualaniensis</i>			1																		1
G	<i>Nassarius festivus</i>															2						2
G	<i>Nassarius hepaticus</i>											1										1
G	<i>Nassarius</i> sp.			1																		1
P	Maldanidae spp.												3								4	7
																					Total	1537

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

Mar 2015 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	
Bi	<i>Circe</i> sp.															1						1
Bi	<i>Cyclina sinesis</i>		1																			1
Bi	<i>Marcia japonica</i>															1						1
Bi	<i>Ruditapes philippinarum</i>					1																1
G	<i>Batillaria bornii</i>									1												1
G	<i>Batillaria multiformis</i>	39		10		34		42		18		6		1	1			8		39		198
G	<i>Batillaria zonalis</i>	31	2	9	1	21		10		21		12		12		3		2		1		125
G	<i>Cerithidea cingulata</i>	81	3	72	7	76		70		35	1	8	2	1		4		8		34		402
G	<i>Cerithidea djadjariensis</i>	70	1	125	3	87		109		90	2	37	8	23		27	2	14		63		661
G	<i>Cerithidea rhizophorarum</i>			2		3		4		2		1		5		3		7		6		33
G	<i>Clithon oualaniensis</i>									1												1
G	<i>Nassarius festivus</i>									1				1								2
G	<i>Nassarius hepaticus</i>													2								2
P	Ampharetidae spp.				1											1		2				4
P	Maldanidae spp.							1					5			6		4				16
P	Onuphidae spp.															1						1
P	Pectinariidae spp.																	1				1
S	<i>Penaeus</i> sp.	1																				1
																					Total	1452



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

Mar 2015 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	
Bi	<i>Barbatia signata</i>			2								12										14
Bi	<i>Barbatia virescens</i>											3										3
Bi	<i>Saccostrea cucullata</i>	37		55		33		9		66		79		54		18						351
Bi	<i>Xenostrobus atrata</i>									2		1		3		20		3		11		40
C	<i>Etisus laevimanus</i>									1												1
C	<i>Hemigrapsus penicillatus</i>											1		1						1		3
C	<i>Metopograpsus latifrons</i>			1																		1
C	<i>Nanosesarma minutum</i>			1		1				1										1		4
Ec	Sea cucumber spp.									2												2
G	<i>Batillaria multiformis</i>	16		5		6		1		6		8		1		3		1		76		123
G	<i>Batillaria zonalis</i>											2		4								6
G	<i>Cellana toreuma</i>	5		3						4		2		1		3						18
G	<i>Cerithidea cingulata</i>	2		1						1		2		1								7
G	<i>Cerithidea djadjariensis</i>	1								1		3		2								7
G	<i>Cerithidea rhizophorarum</i>	1																		1		2
G	<i>Clithon oualaniensis</i>	1																				1
G	<i>Euchelus scaber</i>											3										3
G	<i>Lepidozona</i> sp.													2						1		3
G	<i>Littoraria articulata</i>					3		9		1						2		2		1		18

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

Mar 2015    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>	13		2						4		17		9								45
G	<i>Monodonta labio</i>	31		35		36		41		21		24		5		43		12		25		273
G	<i>Nerita polita</i>	1		6						7		1		1								16
G	<i>Nipponacmea concinna</i>											3				1						4
G	<i>Patelloida pygmaea</i>											2										2
P	Cirratulidae spp.	1																				1
P	Maldanidae spp.													1								1
Sp	<i>Siphonosoma cumanense</i>	1																				1
Sp	<i>Sipunculus nudus</i>	2		5						1				9								17
																					Total	967

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

Mar 2015 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		
Ba	<i>Balanus amphitrite</i>																		1		1		2
Bi	<i>Barbatia signata</i>																2						2
Bi	<i>Barbatia virescens</i>														9		2						11
Bi	<i>Saccostrea cucullata</i>	8		8		36		16		11		24		28		49		31		40		251	
Bi	<i>Xenostrobus atrata</i>					1		3				1		3		5						13	
C	<i>Etisus laevimanus</i>									1												1	
C	<i>Hemigrapsus penicillatus</i>	1																				1	
C	<i>Metopograpsus latifrons</i>																		1			1	
C	<i>Nanosesarma minutum</i>					1															1	2	
Cn	Sea anemone spp.	2				2				1		1		2		3		1		2		14	
G	<i>Batillaria bornii</i>	5		7		3		4		9		8		4		10		2		7		59	
G	<i>Batillaria multiformis</i>	68		160		41		230		29		43		34		42		39		34		720	
G	<i>Batillaria zonalis</i>	4		1																		5	
G	<i>Cellana grata</i>					1								6				4				11	
G	<i>Cellana toreuma</i>	2		1		2		3		5		2		18		17		12		16		78	
G	<i>Cerithidea cingulata</i>	8		5				2		4		10		1		4				2		36	
G	<i>Cerithidea djadjariensis</i>	26		8		3		3		3		28		1		2		7		7		88	
G	<i>Cerithidea rhizophorarum</i>	4						1				2								1		8	
G	<i>Clithon faba</i>	2		1		3		3						1								10	

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

Mar 2015 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>Clithon oualaniensis</i>	2		1		2		4														9
G	<i>Euchelus scaber</i>													2		1					1	4
G	<i>Lepidozona</i> sp.									2												2
G	<i>Littoraria articulata</i>	1				1		1						2								5
G	<i>Lunella coronata</i>	3		4		4		1		8		4		12		5		7		2		50
G	<i>Monodonta labio</i>	15		10		46		29		9		21		38		37		44		35		284
G	<i>Nassarius festivus</i>											1		1		1						3
G	<i>Nassarius</i> sp.																	2				2
G	<i>Nerita polita</i>	3				4		2				2		5		6		1		5		28
G	<i>Nipponacmea concinna</i>							1		1		1										3
G	<i>Patelloida pygmaea</i>			1		1		1				3								2		8
G	<i>Planaxis sulcatus</i>													1								1
Ne	Nemertea spp.													1								1
P	Cirratulidae spp.									1												1
S	<i>Alpheus brevicristatus</i>							1														1
																					Total	1715

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

Mar 2015 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	
Bi	<i>Barbatia signata</i>									2		6					3				1	12
Bi	<i>Barbatia virescens</i>													5		12		2			2	21
Bi	<i>Isognomon isognomon</i>			1																		1
Bi	<i>Saccostrea cucullata</i>	43		38				43		36		37		27		50		27			39	340
Bi	<i>Xenostrobus atrata</i>	8						1		3		3				5		13				33
C	<i>Hemigrapsus penicillatus</i>							1														1
C	<i>Metopograpsus latifrons</i>																				1	1
C	<i>Nanosesarma minutum</i>	2						1		2		1						1				7
C	<i>Uca lactea</i>	6																				6
Cn	Sea anemone spp.	2								4		1		3		1		1			3	15
Ec	Sea cucumber spp.	1																				1
G	<i>Batillaria bornii</i>			3				22				16		5		17		8			17	88
G	<i>Batillaria multiformis</i>	3		19				2		48		29		13		61		20			34	229
G	<i>Batillaria zonalis</i>			4		2																6
G	<i>Cellana grata</i>			1				1		4		1		1		2		3			2	15
G	<i>Cellana toreuma</i>			9				2		6		8		24		13		15			3	80
G	<i>Cerithidea cingulata</i>			7		4		8		2		3		3		5		3			1	36
G	<i>Cerithidea djadjariensis</i>			18		49		7				2		1		4		2			1	84
G	<i>Cerithidea rhizophorarum</i>			1		3		2														6

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

Mar 2015		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>Chlorostoma argyrostoma</i>					1																1			
G	<i>Clithon oualaniensis</i>														2							2			
G	<i>Lepidozona</i> sp.													1								1			
G	<i>Lunella coronata</i>	4		17				26		10		16		14		10		7		6		110			
G	<i>Monodonta labio</i>	21		14				9		57		26		27		44		47		43		288			
G	<i>Nassarius festivus</i>			1				1								2						4			
G	<i>Nerita polita</i>			1								1		1		3						6			
G	<i>Nipponacmea concinna</i>									3				1				6				10			
G	<i>Patelloida pygmaea</i>			1						7		1		3		6		1		2		21			
G	<i>Peasiella</i> spp.													1								1			
Sp	<i>Sipunculus nudus</i>	1																				1			
																					Total	1427			

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

Mar 2015 Sampling zone ST 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>					1																1
Bi	<i>Barbatia signata</i>			1										9		2		4		2		18
Bi	<i>Barbatia virescens</i>	5		1		2																8
Bi	<i>Circe</i> sp.							1		2		5										8
Bi	<i>Ruditapes philippinarum</i>			1																		1
Bi	<i>Saccostrea cucullata</i>	8		46		30				1						9		13		8		115
Bi	<i>Scapharca cornea</i>					1																1
Bi	<i>Xenostrobus atrata</i>	1				1								1								3
C	<i>Hemigrapsus penicillatus</i>			2															1			3
C	<i>Nanosesarma minutum</i>									1				5		1						7
Cn	Sea anemone spp.	1												3		2		1				7
F	Unidentified goby spp.															1						1
G	<i>Batillaria bornii</i>	1		20										1		8					12	42
G	<i>Batillaria multiformis</i>			2		3				2						1		2		1		11
G	<i>Batillaria zonalis</i>			1		16		3				6		2								28
G	<i>Cellana grata</i>																				1	1
G	<i>Cellana toreuma</i>	4		1																		5
G	<i>Cerithidea cingulata</i>			4						7						4		1		5		21
G	<i>Cerithidea djadjariensis</i>			4		2				3						7		1		10		27

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

Mar 2015 Sampling zone ST 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 rhizophorarum</i>	2		1																		3
G	<i>Chlorostoma argyrostoma</i>	1																				1
G	<i>Euchelus scaber</i>	6		5		3								2		6		2		1		25
G	<i>Lepidozona</i> sp.	2																2				4
G	<i>Lunella coronata</i>	30		17		12				2				5		18		28		25		137
G	<i>Monodonta labio</i>	5		3														1		1		10
G	<i>Nassarius festivus</i>	1										2	1	6		1				2		13
G	<i>Nerita polita</i>													2				2				4
G	<i>Patelloida pygmaea</i>	1		3		1								1		1						7
G	<i>Pisania ignea</i>			6																		6
G	<i>Thais luteostoma</i>													1				1				2
P	Cirratulidae spp.	1																				1
Pl	Platyhelminthes spp.																		1			1
S	<i>Penaeus</i> sp.					1																1
Sp	<i>Sipunculus nudus</i>					1						1		2				1				5
																					Total	528