

**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)			
Sampling site TC1 (Search hour = 2 hrs)							
<i>Carcinoscorpius rotundicauda</i>							
3	S	22° 16.993' N	113° 55.987' E	24.47	31.07	42.46	
2	S	22° 16.996' N	113° 55.985' E	29.47	30.55		
4	S	22° 17.004' N	113° 55.990' E	26.96	30.14	36.62	40.3
4	M	22° 17.038' N	113° 55.972' E	63	63.21	65.2	70.93
1	M	22° 17.033' N	113° 55.959' E	65.04			
2	M	22° 17.075' N	113° 56.014' E	36.16	40.27		
1	M	22° 17.038' N	113° 56.044' E	41.15			
4	S	22° 17.063' N	113° 56.060' E	28.5	29.72	29.92	30.21
<i>Tachypleus tridentatus</i>							
1	S	22° 17.005' N	113° 55.993' E	30.48			

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 TC2 (Search hour = 2 hrs)</u>													
<i>Carcinoscorpius rotundicauda</i>													
1	M	22° 16.929' N	113° 55.883' E	45.82									
<u>Sampling site TC3 (Search hour = 2 hrs)</u>													
<i>Carcinoscorpius rotundicauda</i>													
9	S	22° 16.952' N	113° 55.718' E	19.36	22.64	28.26	26.4	27.65	30.51	29.51	30.26	40.2	
1	S	22° 16.959' N	113° 55.711' E	27.66									
1	S	22° 16.964' N	113° 55.701' E	20.44									
6	S	22° 16.948' N	113° 55.713' E	21.24	21.12	25.88	22.06	19.42	20.66				
2	S	22° 16.977' N	113° 55.654' E	20.81	28.51								
9	S	22° 16.994' N	113° 55.653' E	21.18	22.78	24.47	31.8	34.51	34.6	36.57	37.22	55.72	
4	S	22° 17.011' N	113° 55.658' E	15.74	17.13	21.8	22.65						
14	S	22° 17.020' N	113° 55.636' E	35.47	35.8	37.87	27.73	31.88	28.12	35.1	20.18	27.34	37.34
				39.58	39.16	34.71	34.8						
5	S	22° 17.034' N	113° 55.644' E	20.78	23.71	26.03	27.9	31.15					
7	S	22° 17.036' N	113° 55.633' E	15.39	18.84	18.59	20.39	20.97	25.69	39.84			

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 = 2 hrs)</u>						
<i>Tachypleus tridentatus</i>						
1	S	22° 16.953' N	113° 55.719' E	32.43		
2	S	22° 16.943' N	113° 55.717' E	27.82	29.3	
2	S	22° 16.977' N	113° 55.654' E	27.33	29.06	
1	S	22° 16.995' N	113° 55.653' E	31.3		
3	S	22° 17.010' N	113° 55.659' E	31.96	36.24	46.94
1	S	22° 17.021' N	113° 55.637' E	29.99		
1	S	22° 17.035' N	113° 55.632' E	34.87		

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 = 2 hrs)															
<i>Carcinoscorpius rotundicauda</i>															
3	S	22° 17.164' N	113° 55.495' E	45.07	60.29	67.82									
1	S	22° 17.166' N	113° 55.496' E	25.5											
11	S	22° 17.182' N	113° 55.475' E	24.35	28.92	61.99	36.29	40.75	29.09	37.19	24.46	39.28	37.95		
				35.94											
5	S	22° 17.190' N	113° 55.475' E	26.23	35.07	39.83	40.39	40.96							
8	S	22° 17.207' N	113° 55.475' E	35.12	35.39	30.72	36.8	39.85	40.34	41.64	37.12				
3	S	22° 17.202' N	113° 55.481' E	37.58	38.52	40.89									
7	S	22° 17.215' N	113° 55.475' E	30.93	37.73	39.17	39.56	39.79	40.21	40.33					
2	S	22° 17.217' N	113° 55.483' E	29.66	45.1										
1	S	22° 17.242' N	113° 55.494' E	34.49											
2	S	22° 17.390' N	113° 55.459' E	38.07	44.37										
Artificially released individuals															
1	S	22° 17.202' N	113° 55.481' E	52.05											
1	S	22° 17.217' N	113° 55.483' E	37.26											

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 = 2 hrs)				
<i>Tachypleus tridentatus</i>				
1	S	22° 17.165' N	113° 55.495' E	63.83
1	S	22° 17.203' N	113° 55.482' E	66.74
1	S	22° 17.214' N	113° 55.476' E	36.28
1	S	22° 17.217' N	113° 55.483' E	32.87
Artificially released individuals				
1	S	22° 17.217' N	113° 55.483' E	51.18

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

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

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

	TC1	TC2	TC3	ST
Search duration (hr)	2	2	2	2
<b><i>Carcinoscorpius rotundicauda</i></b>				
no. of individuals	21	1	58	43
mean prosomal width (mm)	40.73	45.82	27.81	38.39
max. prosomal width (mm)	70.93	\	55.72	67.82
min. prosomal width (mm)	24.47	\	15.39	24.35
Search record (ind. hr-1 person-1)	5.3	0.3	14.5	10.8
<b><i>Tachypleus tridentatus</i></b>				
no. of individuals	1		11	4
mean prosomal width (mm)	30.48		32.48	49.93
max. prosomal width (mm)	\	N.A.	46.94	66.74
min. prosomal width (mm)	\		27.33	32.87
Search record (ind. hr-1 person-1)	0.3		2.8	0.7



**TC1** *Carcinoscorpius rotundicauda*

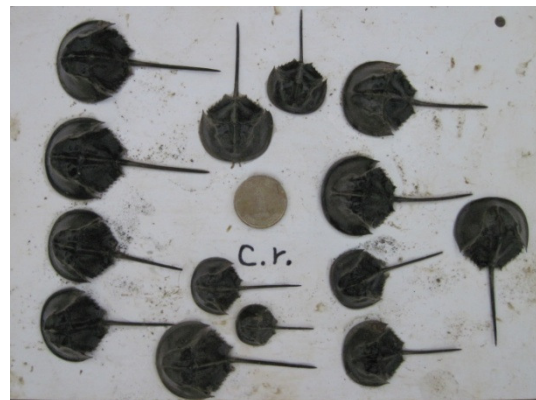
*Tachypleus tridentatus*



**TC2** *Carcinoscorpius rotundicauda*



**TC3** *Carcinoscorpius rotundicauda*



**Figure 3.1.** Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (8 & 21 Sep. 2014)

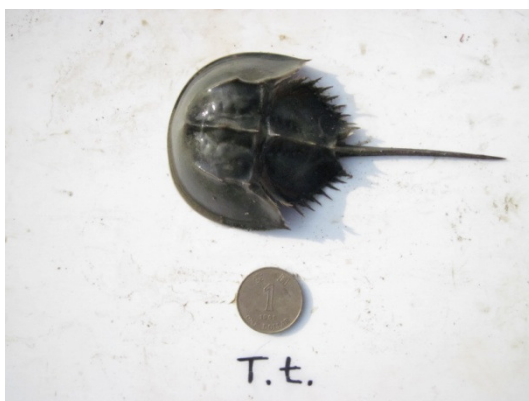
**TC3** *Tachypleus tridentatus*



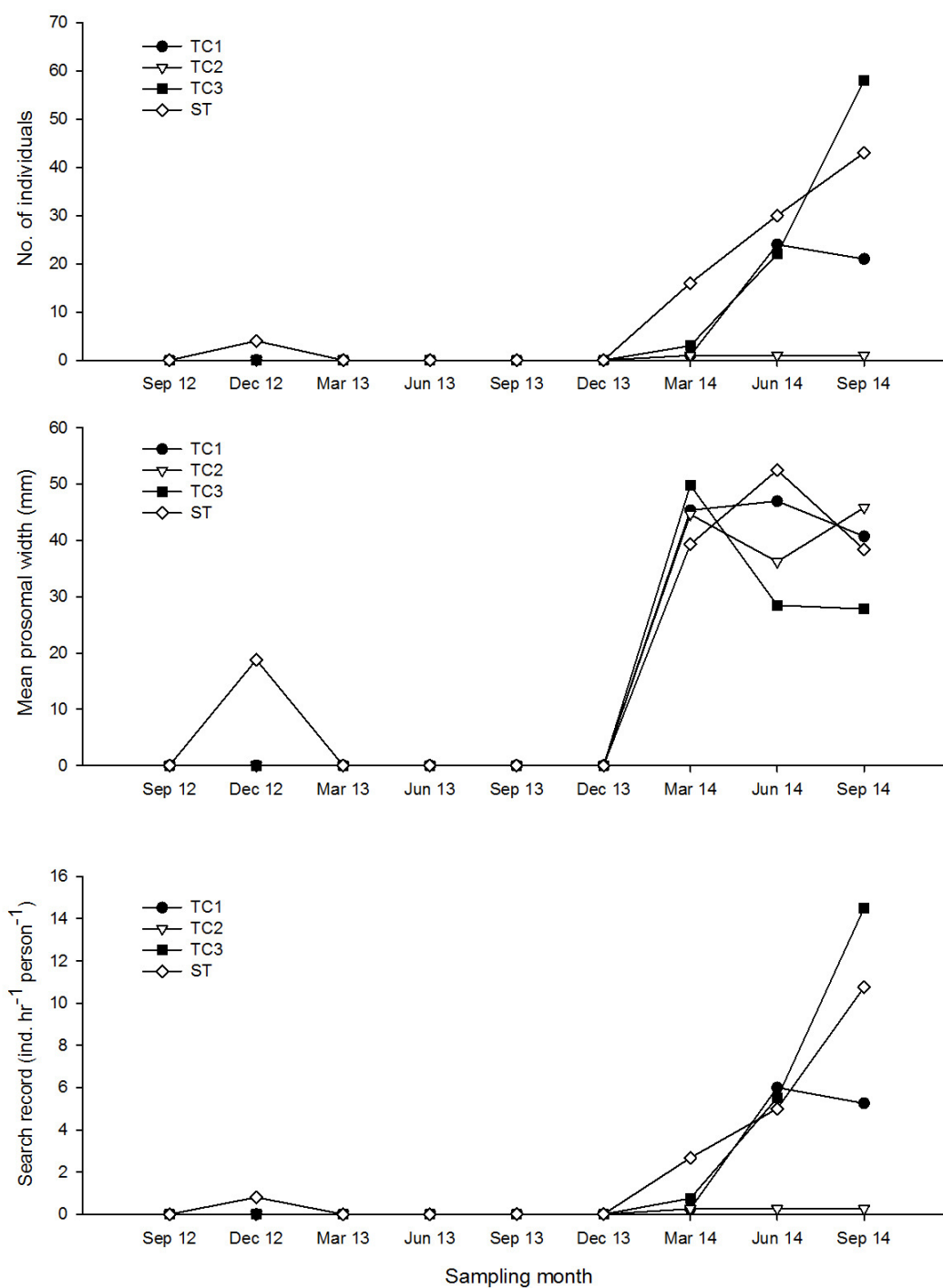
**ST** *Carcinoscorpius rotundicauda*



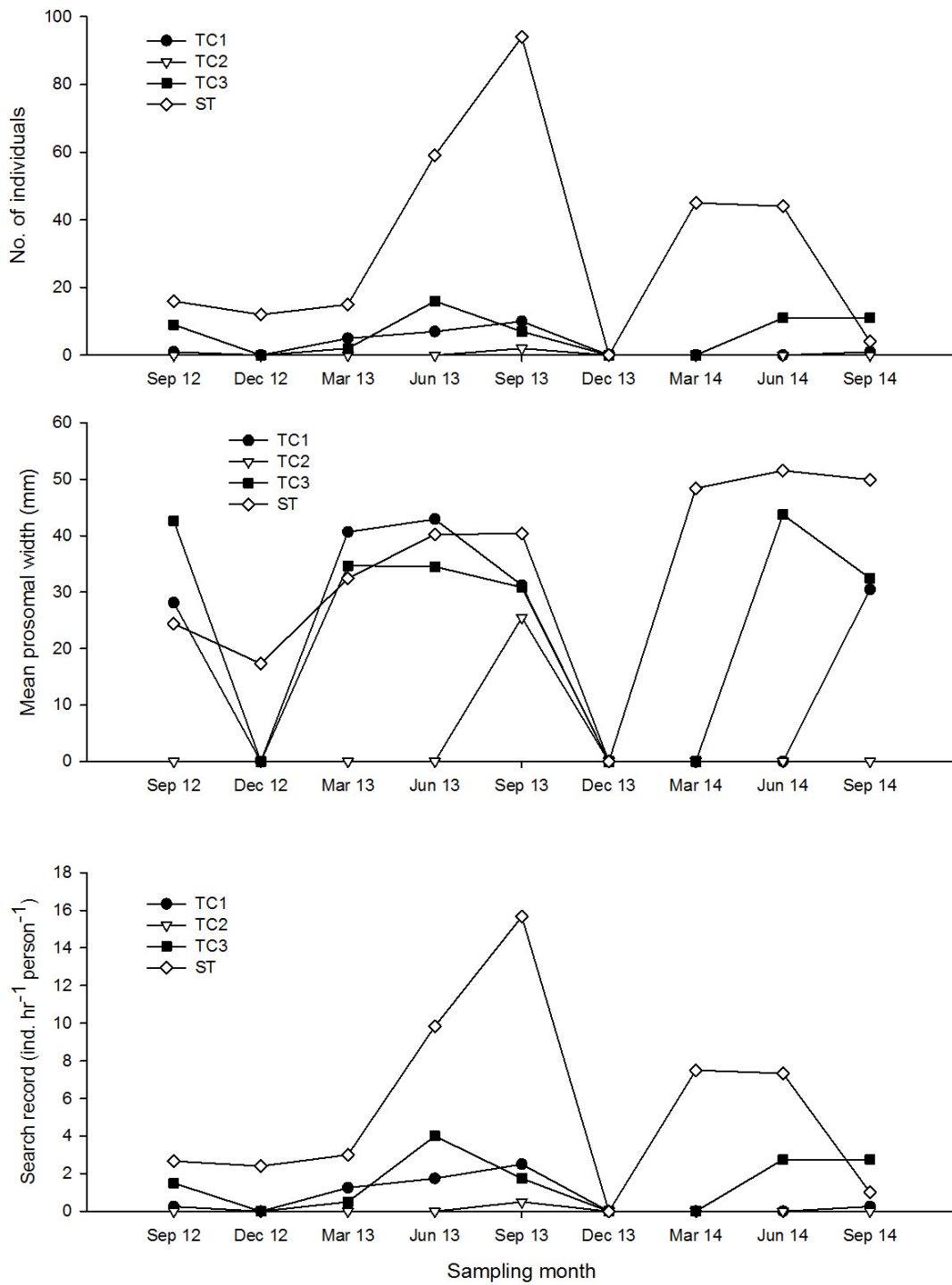
**ST** *Tachypleus tridentatus*



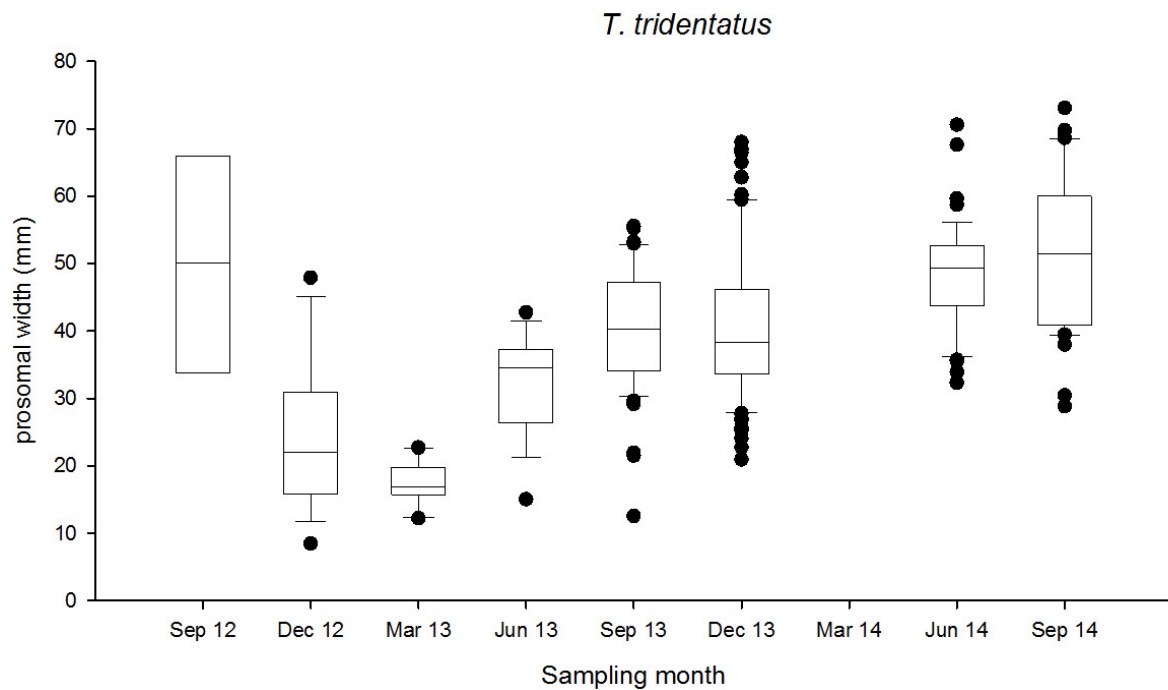
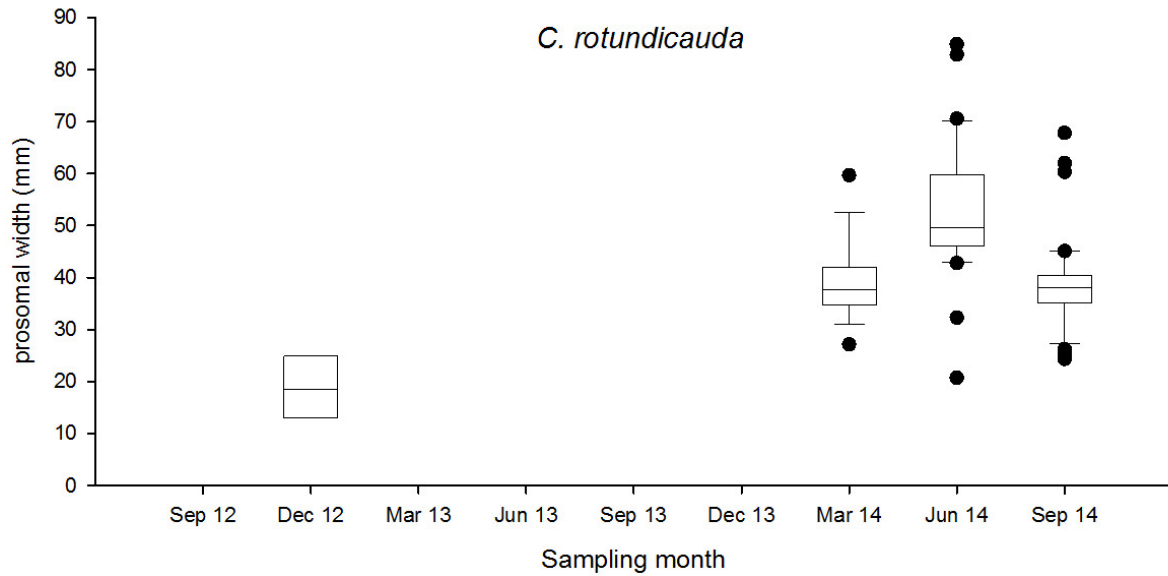
**Figure 3.1 (Cont'd).** Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (8 & 21 Sep. 2014)



**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 = 2 hrs)				
No record				
ST (search hour = 3 hrs) <i>Halophila ovalis</i>				
253.1	85	Horizontal line	22° 17.211' N 113° 55.475' E -- 22° 17.199' N 113° 55.473' E	A large patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
		Vertical line	22° 17.206' N 113° 55.473' E -- 22° 17.208' N 113° 55.479' E	
52.8	85	\	22° 17.210' N 113° 55.476' E	A medium patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
6.3	60	\	22° 17.221' 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.
13.0	30	\	22° 17.221' N 113° 55.479' E	A small patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.

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

Estimated area (m <sup>2</sup> )	Estimated coverage (%)		GPS coordinate	Remark
<b>ST (search hour = 3 hrs)</b>		<i>Halophila ovalis</i>		
785.9	70	Horizontal line	22° 17.179' N 113° 55.496' E -- 22° 17.171' N 113° 55.492' E	A large area of seagrass bed in patchy distribution on soft mud between 1.0 and 1.5 m above C.D.
		Vertical line	22° 17.185' N 113° 55.478' E -- 22° 17.170' N 113° 55.501' E	
<b>ST (search hour = 3 hrs)</b>		<i>Zostera japonica</i>		
0.3	50	\	22° 17.212' N 113° 55.475' E	A small patch grown in the co-inhabiting another seagrass species <i>Halophila ovalis</i>
1.6	55	\	22° 17.210' N 113° 55.475' E	A small patch grown in the co-inhabiting another seagrass species <i>Halophila ovalis</i>

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

<b>Summary</b>	<i>Halophila ovalis</i>	<i>Zostera japonica</i>
<b>no. of patches</b>	5	2
<b>Total area (m<sup>2</sup>)</b>	1110.98	1.92
<b>Average area (m<sup>2</sup>)</b>	222.20	0.96



*Halophila ovalis*

A



B



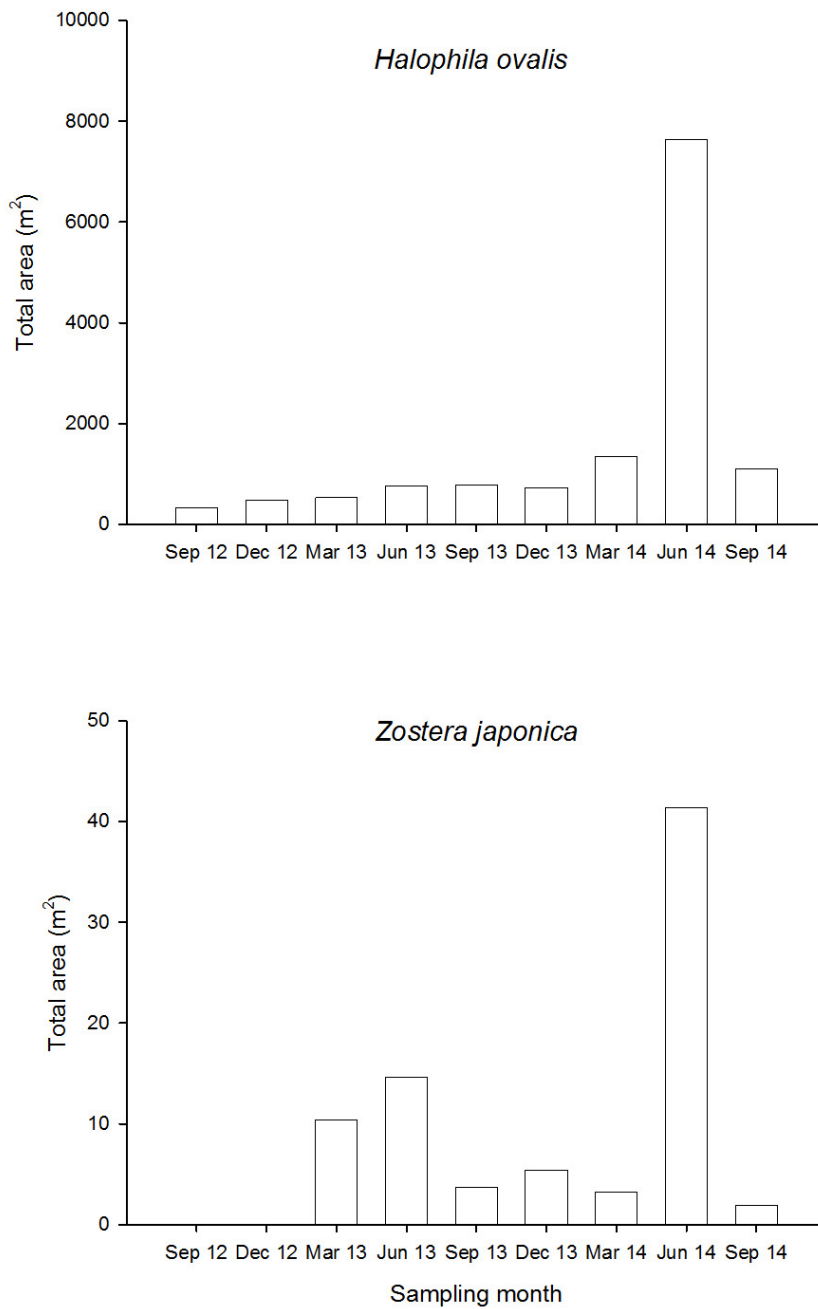
*Zostera japonica*



**Figure 3.5.** Examples of photographic records of seagrass beds survey in ST



**Figure 3.6.** *Photographic records of flower of seagrass bed Halophila ovalis (18 Dec. 2013)*

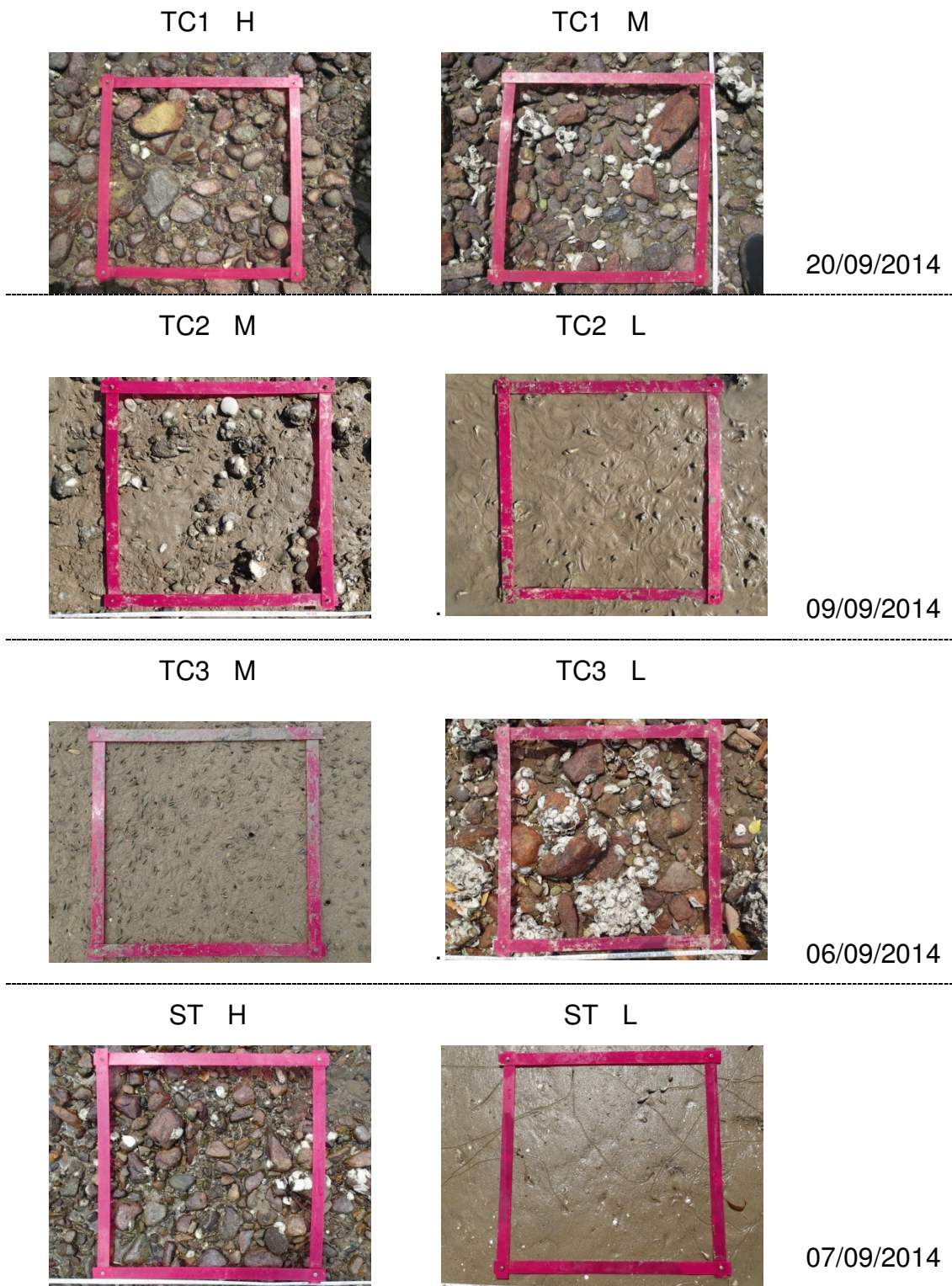


**Figure 3.7.** Changes of estimated total area of seagrass beds in ST along the sampling months

**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	70	30	
	M	90	10	
	L	80	20	
TC2	H		70	30
	M		90	10
	L		30	70
TC3	H		70	30
	M		80	20
	L	80	10	10
ST	H	100		
	M	100		
	L	10	70	20

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>Sep 2014</i>				
Mollusca	13923	96.7	464	40
Arthropoda	312	2.2	10	16
Annelida	77	0.5	3	8
Sipuncula	63	0.4	2	1
Nemertea	11	0.1	0	1
Cnidaria	8	0.1	0	1
Echinodermata	4	0.0	0	2
Chordata	4	0.0	0	2
<b>Total</b>	<b>14402</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	3	0.1	0	32	1.0	4	33	0.8	4	9	0.3	1
Arthropoda	61	1.6	8	73	2.2	10	117	3.0	16	61	1.8	8
Chordata	1	0.0	0							3	0.1	0
Cnidaria	1	0.0	0				2	0.1	0	5	0.1	1
Echinodermata	2	0.1	0	1	0.0	0	1	0.0	0			
Mollusca	3653	97.9	487	3234	96.5	431	3717	95.3	496	3319	97.1	443
Nemertea	1	0.0	0	5	0.1	1				5	0.1	1
Sipuncula	11	0.3	1	6	0.2	1	30	0.8	4	16	0.5	2
<b>Sub-total</b>	<b>3733</b>			<b>3351</b>			<b>3900</b>			<b>3418</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>	175	40	40
	G	<i>Cerithidea cingulata</i>	106	25	65
	G	<i>Cerithidea djadjariensis</i>	74	17	82
Mid	G	<i>Batillaria multiformis</i>	173	36	36
	Bi	<i>Saccostrea cucullata</i>	102	21	57
	G	<i>Monodonta labio</i>	80	16	73
	G	<i>Cerithidea djadjariensis</i>	62	13	86
Low	G	<i>Monodonta labio</i>	160	28	28
	Bi	<i>Saccostrea cucullata</i>	144	25	53
	G	<i>Batillaria multiformis</i>	102	18	71

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>	331	52	52
	G	<i>Cerithidea cingulata</i>	179	28	80
Mid	G	<i>Cerithidea djadjariensis</i>	160	31	31
	Bi	<i>Saccostrea cucullata</i>	119	23	54
	G	<i>Batillaria zonalis</i>	60	12	65
	G	<i>Cerithidea cingulata</i>	56	11	76
Low	G	<i>Cerithidea djadjariensis</i>	53	29	29
	Bi	<i>Saccostrea cucullata</i>	45	25	54
	G	<i>Batillaria zonalis</i>	37	20	74

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>	227	42	42
	G	<i>Cerithidea cingulata</i>	153	28	70
	G	<i>Batillaria multiformis</i>	91	17	87
Mid	G	<i>Cerithidea djadjariensis</i>	199	36	36
	G	<i>Cerithidea cingulata</i>	181	33	70
	G	<i>Batillaria multiformis</i>	74	14	83
Low	Bi	<i>Saccostrea cucullata</i>	212	45	45
	G	<i>Monodonta labio</i>	92	19	64

Bi = Bivalve, G = Gastropod

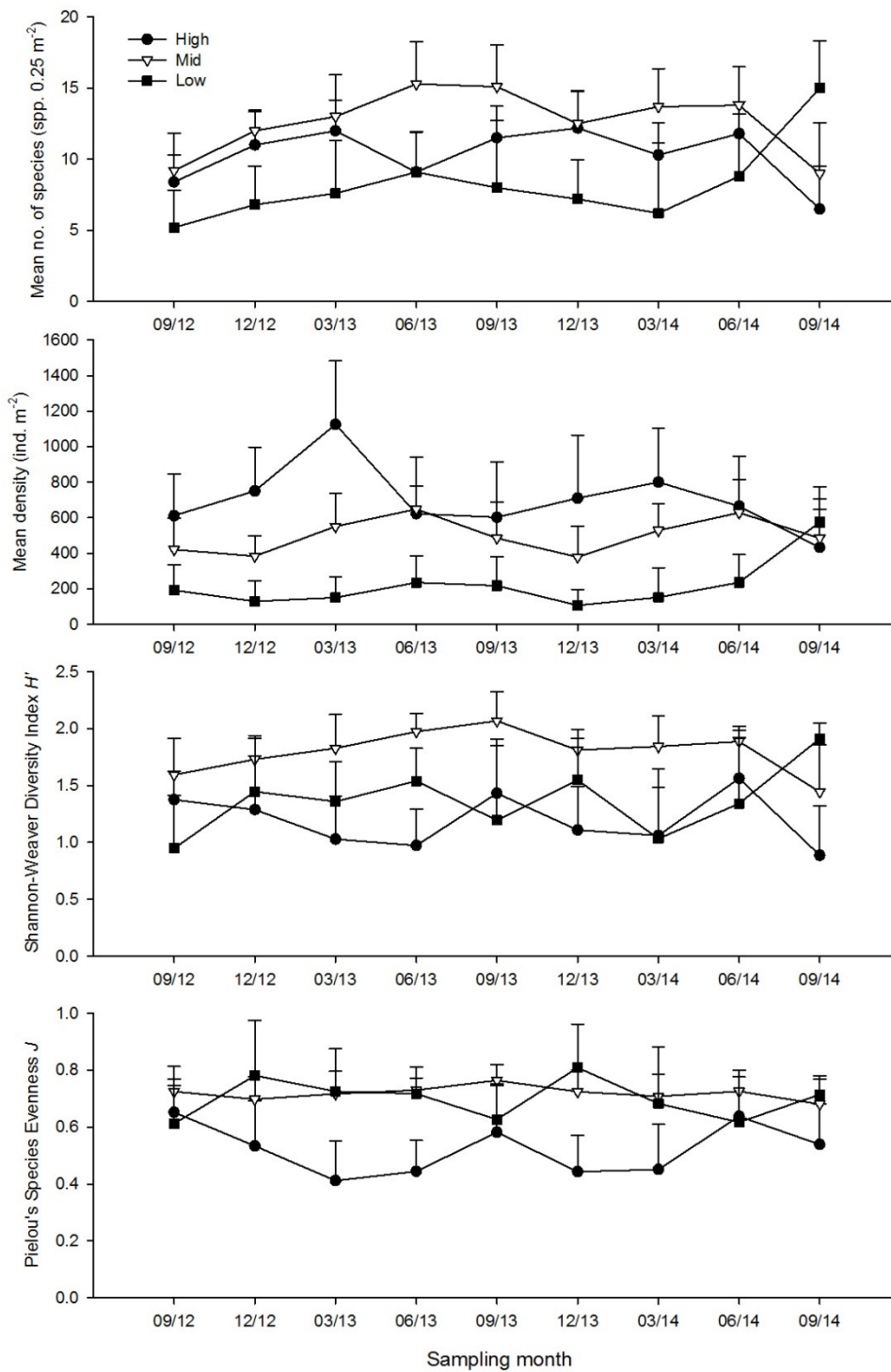
**Table 3.8 (Cont'd).** *The abundant species (relative abundance >10%) in every sampling zone.*

Sampling zone ST	Group	Species	mean density (ind. m <sup>-2</sup> )	relative abundance (%)	cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	206	38	38
	G	<i>Monodonta labio</i>	127	23	61
	Bi	<i>Saccostrea cucullata</i>	66	12	73
Mid	G	<i>Monodonta labio</i>	146	25	25
	Bi	<i>Saccostrea cucullata</i>	102	17	42
	G	<i>Cerithidea djadjariensis</i>	71	12	54
	G	<i>Batillaria multiformis</i>	56	10	64
Low	Bi	<i>Saccostrea cucullata</i>	50	22	22
	G	<i>Lunella coronata</i>	42	18	40
	G	<i>Cerithidea djadjariensis</i>	37	16	56
	G	<i>Batillaria zonalis</i>	25	11	67

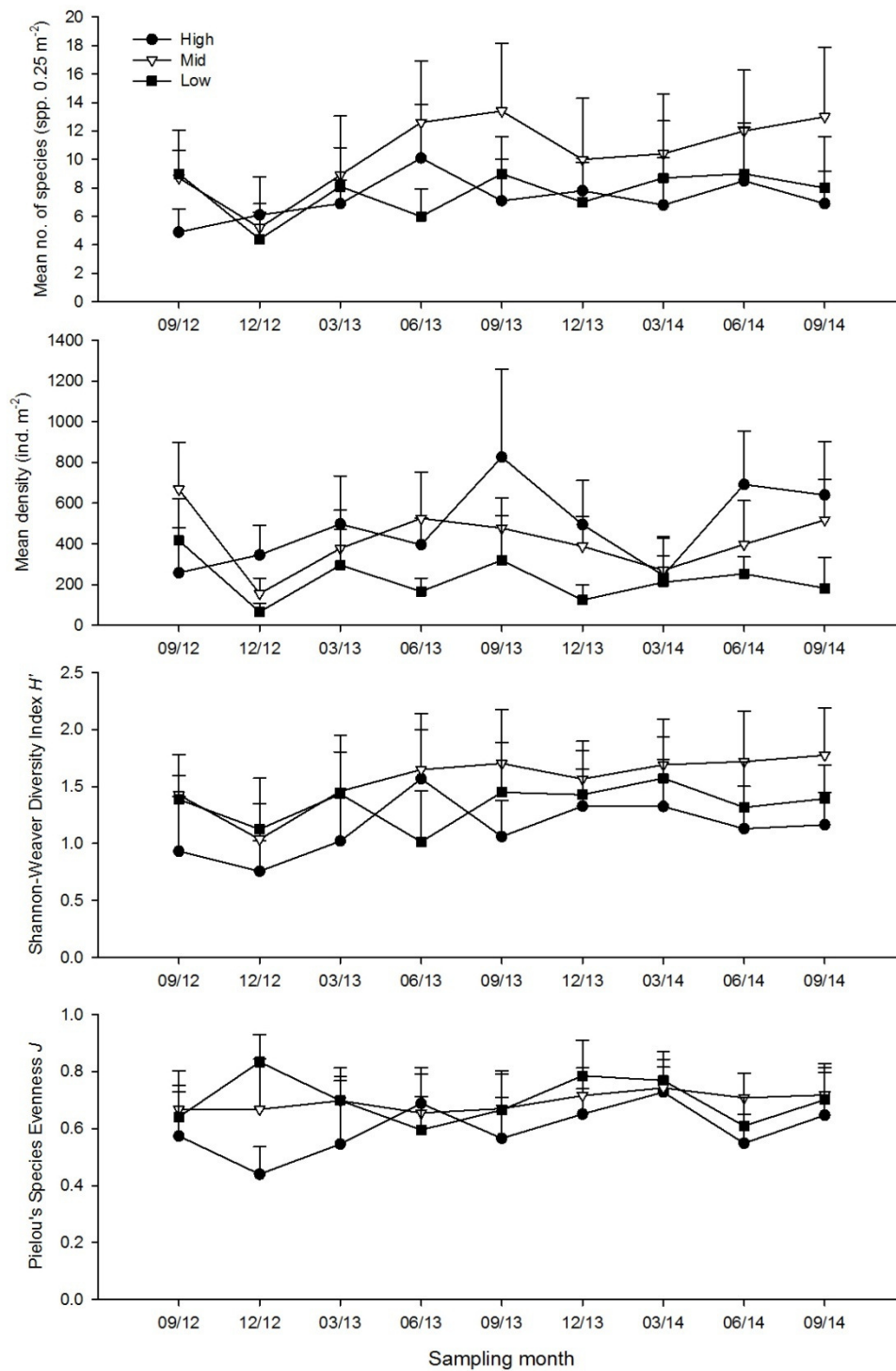
Bi = Bivalve, G = Gastropod

**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

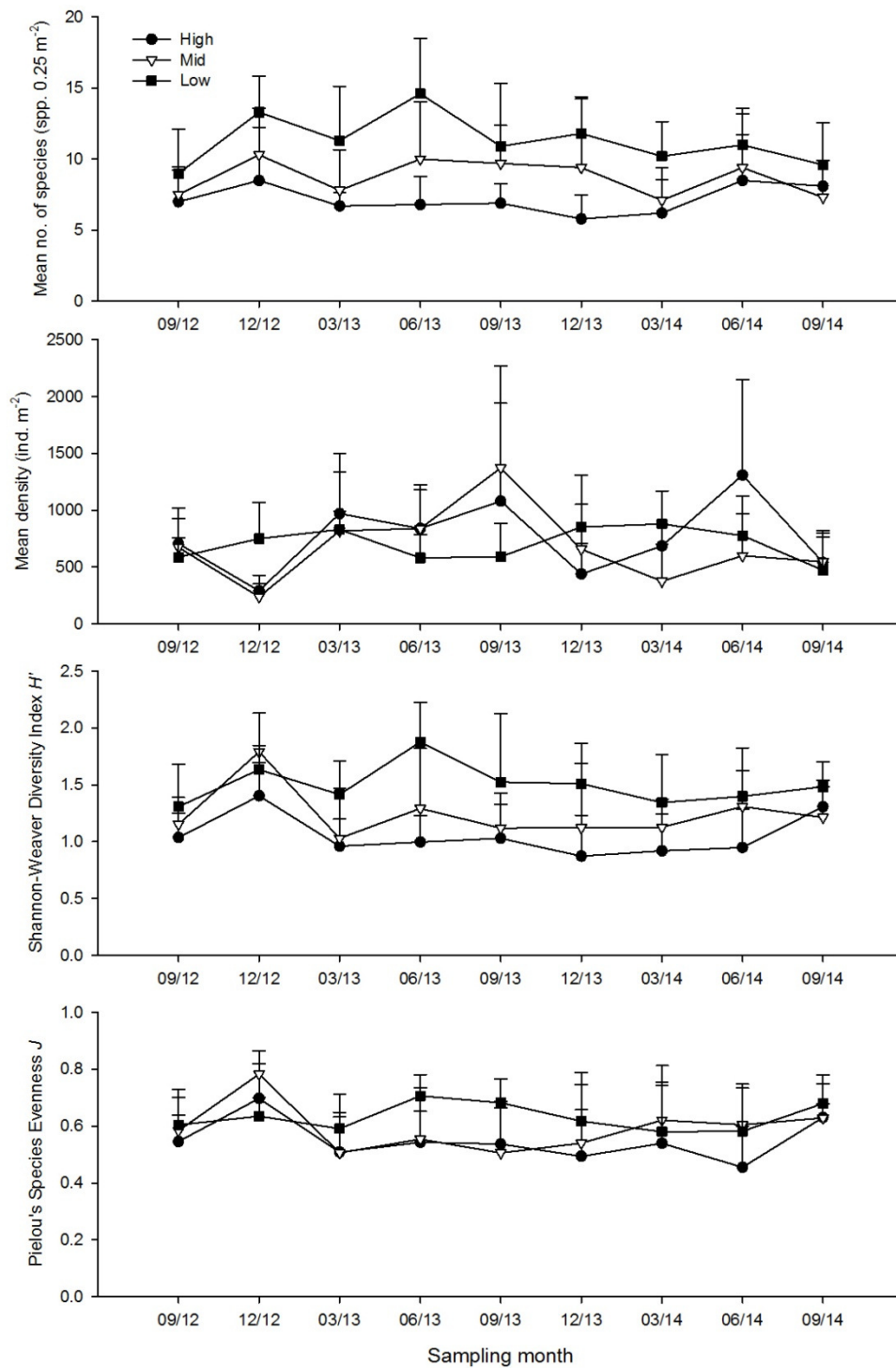
Sampling zone	Tidal level	Mean number of species (spp. 0.25 m <sup>-2</sup> )	Mean density (ind. m <sup>-2</sup> )	Mean $H'$	Mean $H'$ across tidal level	Mean $J$	Mean $J$ across tidal level
TC1	H	7	433	0.89	1.41	0.54	0.64
	M	9	486	1.44		0.68	
	L	15	575	1.91		0.71	
TC2	H	7	640	1.16	1.44	0.65	0.69
	M	13	518	1.77		0.72	
	L	8	182	1.39		0.70	
TC3	H	8	540	1.31	1.33	0.63	0.65
	M	7	547	1.21		0.63	
	L	10	473	1.48		0.68	
ST	H	13	546	1.72	1.76	0.69	0.74
	M	16	591	2.04		0.75	
	L	8	230	1.53		0.77	



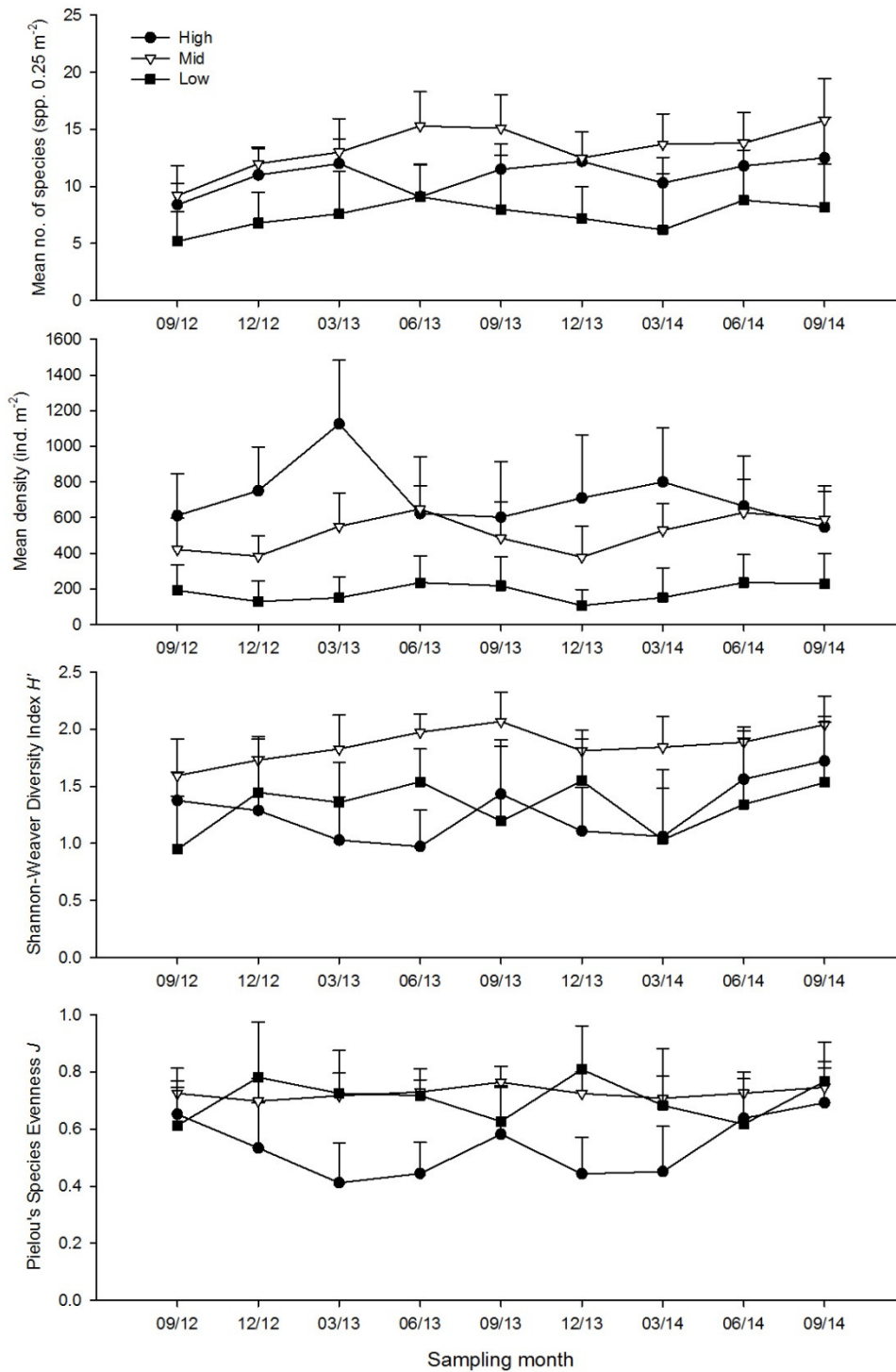
**Figure 3.9.** Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) (mean + SD) at every tidal level in sampling zone TC1



**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	Glyceridae	Glyceridae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Polynoidae	Polynoidae spp.
Animalia	Annelida	Polychaeta	Sabellida	Oweniidae	Oweniidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	<i>Alpheus brevicristatus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Clibanarius</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Diogenidae	<i>Diogenes</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus erato</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca lactea</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca</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>Scylla serrata</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus penicillatus</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>
Animalia	Arthropoda	Merostomata	Xiphosurida	Limulidae	<i>Carcinoscorpius rotundicauda</i>
Animalia	Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Omobranchus fasciolatoceps</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Periophthalmus cantonensis</i>
Animalia	Cnidaria				Sea anemone spp.
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	Mytiloidea	Mytilidae	<i>Xenostrobus atrata</i>
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Crassostrea ariakensis</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	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	Tellinidae	<i>Tellina</i> sp.
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>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>Littoraia melanostoma</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Peasiella</i> spp.
Animalia	Mollusca	Gastropoda	Littorinimorpha	Rissoinidae	<i>Rissoina plicatula</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Buccinidae	<i>Pisania ignea</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Muricidae	<i>Thais luteostoma</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		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>

**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	Gastropoda		Turbinidae	<i>Lunella coronata</i>
Animalia	Mollusca	Polyplacophora	Chitonida	Ischnochitonidae	<i>Lepidozona</i> sp.
Animalia	Mollusca	Scaphopoda	Dentaliida	Dentaliidae	<i>Dentalium sinuosum</i>
Animalia	Nemertea				Nemertea spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	<i>Sipunculus nudus</i>

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

Sep 2014 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		3		1				5
Bi	<i>Saccostrea cucullata</i>	18		2		6		8								1		3				38
Bi	<i>Xenostrobus atrata</i>							1														1
C	<i>Hemigrapsus penicillatus</i>							1														1
C	<i>Uca lactea</i>											5		1		1						7
F	<i>Periopthalmus cantonensis</i>															1						1
G	<i>Batillaria multiformis</i>	2		34		86		61		43				13		8		97		93		437
G	<i>Cerithidea cingulata</i>	126		64										33		43						266
G	<i>Cerithidea djadjariensis</i>	21		31		9								46		71		2		4		184
G	<i>Cerithidea rhizophorarum</i>	1		4		2								5		7		1		1		21
G	<i>Clithon faba</i>	8																			2	10
G	<i>Clithon oualaniensis</i>	2																1				3
G	<i>Littoraria articulata</i>					3		2								1					3	9
G	<i>Monodonta labio</i>	1		2		46		4										2		33		88
G	<i>Patelloida pygmaea</i>																				1	1
G	<i>Rissoina plicatula</i>							1				1				2		1				5
G	<i>Terebralia sulcata</i>															2						2
Ne	Nemertea spp.																			1		1

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

Sep 2014    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			
P	<i>Nereididae</i> spp.																		1			1
Sp	<i>Sipunculus nudus</i>													1								1
																					Total	1082

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

Sep 2014		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>																		1		1		2
Bi	<i>Barbatia signata</i>	3																					3
Bi	<i>Barbatia virescens</i>																				1		1
Bi	<i>Geloina erosa</i>													1							1		2
Bi	<i>Saccostrea cucullata</i>	60				38		11		13		31		12		9		49		31		254	
Bi	<i>Xenostrobus atrata</i>	2				3						3						10		2		20	
C	<i>Hemigrapsus penicillatus</i>																	4		1		5	
C	<i>Nanosesarma minutum</i>											1		3		6		1				11	
C	<i>Uca vocans</i>				2																	2	
Ec	Sea cucumber spp.													2								2	
G	<i>Batillaria multiformis</i>	33		2		86		15		92		18		94		22		41		30		433	
G	<i>Batillaria zonalis</i>			3																		3	
G	<i>Cerithidea cingulata</i>	8		31												1		2		9		51	
G	<i>Cerithidea djadjariensis</i>	19		41	2	1			4		1		10		14		31		32		155		
G	<i>Cerithidea rhizophorarum</i>	3		5					2		2				10		7		4		33		
G	<i>Clithon faba</i>	1									1				1							3	
G	<i>Clithon oualaniensis</i>												1				1					2	
G	<i>Littoraria articulata</i>	2				9						2			1		3					17	
G	<i>Lunella coronata</i>	3										1										4	

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

Sep 2014		Sampling zone TC 1				Mid tidal level (1.5 m above C.D.)																
		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	<i>Monodonta labio</i>	28				47		1		12		8		22		18		45		18		199
G	<i>Nassarius festivus</i>																	1		1		2
G	<i>Nassarius</i> sp.															1						1
G	<i>Nerita polita</i>	2				2												1				5
G	<i>Nipponacmea concinna</i>													1								1
G	<i>Terebralia sulcata</i>																	1				1
P	Maldanidae spp.				2																	2
																					Total	1214



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

Sep 2014 Sampling zone TC 1 Mid 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>Anomalocardia squamosa</i>			1																		1
Bi	<i>Barbatia signata</i>	3		6		6				1		1		4				4		8		33
Bi	<i>Barbatia virescens</i>			2		6		9		14		16		16		8		8		17		96
Bi	<i>Cyclina sinesis</i>					1																1
Bi	<i>Ruditapes philippinarum</i>					1				1				1		1		4		1		9
Bi	<i>Saccostrea cucullata</i>	77		39		41		18		39		31		63		13		14		25		360
Bi	<i>Xenostrobus atrata</i>	13		3		4						3		3								26
C	<i>Hemigrapsus penicillatus</i>	2				1		1				2		1				5		2		14
C	<i>Metopograpsus latifrons</i>													1								1
C	<i>Nanosesarma minutum</i>	2				4								1						2		9
Cn	Sea anemone spp.																				1	1
G	<i>Batillaria bornii</i>															1		3		1		5
G	<i>Batillaria multiformis</i>	8				46		20		28		30		59		18		25		20		254
G	<i>Batillaria zonalis</i>			8	1																	9
G	<i>Cellana grata</i>													1								1
G	<i>Cellana toreuma</i>	3				1						3		1								8
G	<i>Cerithidea cingulata</i>	6		2	1			1		1		5		2		2						20
G	<i>Cerithidea djadjariensis</i>	4		3		3		7		4		7		9		7		2		4		50
G	<i>Cerithidea rhizophorarum</i>	1				2				8		3		4		3				1		22

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

Sep 2014 Sampling zone TC 1 Mid 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>Clithon faba</i>									3				1		5						9
G	<i>Clithon oualaniensis</i>							2				1		6				2		2		13
G	<i>Euchelus scaber</i>			1														1		2		4
G	<i>Lepidozona</i> sp.																			1		1
G	<i>Littoraria articulata</i>	1																1				2
G	<i>Lunella coronata</i>	4		3		7		1		4		6		5		3		7		10		50
G	<i>Monodonta labio</i>	16		1		33		42		51		39		60		21		53		84		400
G	<i>Nassarius festivus</i>					1																1
G	<i>Nassarius</i> sp.			1									1					1		2		5
G	<i>Nerita polita</i>					1		1												2		4
G	<i>Nipponacmea concinna</i>					1																1
G	<i>Patelloida pygmaea</i>													1		4						5
G	<i>Peasiella</i> spp.			1																		1
G	<i>Thais luteostoma</i>																			2		2
Hc	<i>Pagurus dubius</i>			1				3						4						1		9
Sp	<i>Sipunculus nudus</i>	2		1						4		3										10
																					Total	1437

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

Sep 2014 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>Barbatia virescens</i>					7										1						8
Bi	<i>Cyclina sinesis</i>															1		1				2
Bi	<i>Saccostrea cucullata</i>	6				51		3		9		3				5		1		6		84
Bi	<i>Xenostrobus atrata</i>					1																1
C	<i>Macrophthalmus erato</i>					1													1			2
C	<i>Uca lactea</i>	1																				1
C	<i>Uca vocans</i>														4							4
G	<i>Batillaria multiformis</i>							6	2	11				5		10	1	6		8		49
G	<i>Batillaria zonalis</i>							4		5		3	1	20		14	1	17	3	19	2	89
G	<i>Cerithidea cingulata</i>	19		3		39		54		57		31		23		53	1	78	2	85	2	447
G	<i>Cerithidea djadjariensis</i>	113	1	2	1	96		121	1	97		73	3	64		71	11	91	1	81		827
G	<i>Cerithidea rhizophorarum</i>	2				3		3		3		7		4		14	2	16		18		72
G	<i>Lunella coronata</i>													1						1		2
G	<i>Monodonta labio</i>					3														3		6
G	<i>Nassarius festivus</i>																			1		1
P	Ampharetidae spp.		2										1						1			4
P	Onuphidae spp.																				1	1

Total 1601

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

Sep 2014 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>			3				5		1												9
Bi	<i>Barbatia signata</i>							1		3												4
Bi	<i>Barbatia virescens</i>			3				6		4											1	14
Bi	<i>Geloina erosa</i>	1																				1
Bi	<i>Saccostrea cucullata</i>	9		65				55		54		10		12		5		31			56	297
Bi	<i>Tellina</i> sp.																		1			1
Bi	<i>Xenostrobus atrata</i>							4														4
C	<i>Hemigrapsus penicillatus</i>			2				3				1									1	7
C	<i>Metopograpsus latifrons</i>																	1				1
C	<i>Nanosesarma minutum</i>							1														1
C	<i>Uca</i> sp.																			1		1
G	<i>Batillaria bornii</i>							1		4		3		4		2		2			6	22
G	<i>Batillaria multiformis</i>	1				3		11		8		14	1	7			1	7	1	4	2	60
G	<i>Batillaria zonalis</i>	2		1		5	1	21		10		20		14	1	23	2	28			22	150
G	<i>Cellana toreuma</i>			1				4		2												7
G	<i>Cerithidea cingulata</i>	17		16				8		13		23		17	1	20		13	3	8		139
G	<i>Cerithidea djadjariensis</i>	73		66				35		40	4	25		36	2	71	1	39			7	399
G	<i>Cerithidea rhizophorarum</i>	3		3				3		3		1		6		7		3			2	31
G	<i>Euchelus scaber</i>							1		1												2

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

Sep 2014 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>Lepidozona</i> sp.			1																		1
G	<i>Lunella coronata</i>			6				7		5		3		6		4		13		18		62
G	<i>Monodonta labio</i>	1		1				6		5		1				1		2		12		29
G	<i>Nassarius festivus</i>														1			1				2
G	<i>Nerita polita</i>			1				2		1				1								5
G	<i>Patelloida pygmaea</i>																	1		1		2
Hc	<i>Clibanarius</i> sp.													1								1
Hc	<i>Pagurus dubius</i>							2						4				7		9		22
P	Ampharetidae spp.				1		2															3
P	Maldanidae spp.				2	1			1		2		1				1				1	9
P	Nereididae spp.															1						1
P	Onuphidae spp.										1											1
Sp	<i>Sipunculus nudus</i>							1	1	3											1	6
																					Total	1294

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

Sep 2014 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>			1		17		5														23
Bi	<i>Anodontia stearnsiana</i>														1							1
Bi	<i>Anomalocardia squamosa</i>															1						1
Bi	<i>Barbatia signata</i>					2																2
Bi	<i>Barbatia virescens</i>					7		1														8
Bi	<i>Circe</i> sp.												1									1
Bi	<i>Saccostrea cucullata</i>	37		2		55		19														113
Bi	<i>Tellina</i> sp.				2																	2
C	<i>Hemigrapsus penicillatus</i>					1																1
Ec	<i>Amphioplus laevis</i>												1									1
G	<i>Batillaria multiformis</i>	5		2		1				1				1				1		1		12
G	<i>Batillaria zonalis</i>	5		16		12		4		12				17		19		5		2		92
G	<i>Cellana toreuma</i>					3																3
G	<i>Cerithidea cingulata</i>	1		1				1						1		3				2		9
G	<i>Cerithidea djadjariensis</i>	1		7	2	25		17		28		9		9		28		1		6		133
G	<i>Cerithidea rhizophorarum</i>					1				2				1		2				2		8
G	<i>Dentalium sinuosum</i>					1																1
G	<i>Euchelus scaber</i>					1		1														2
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

Sep 2014 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>	5				10		3														18
G	<i>Monodonta labio</i>	1																				1
G	<i>Nassarius festivus</i>					1				1						1						3
G	<i>Nassarius hepaticus</i>					1																1
G	<i>Thais luteostoma</i>					1																1
Ne	Nemertea spp.						1								1		1	2				5
P	Ampharetidae spp.																1					1
P	Maldanidae spp.			1	1						2		1									5
P	Onuphidae spp.				1						1				2		1		2			7
																					Total	456

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

Sep 2014 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		
Ba	<i>Balanus amphitrite</i>			2																		2	
Bi	<i>Barbatia virescens</i>																				1	1	
Bi	<i>Circe</i> sp.						3		3										2			8	
Bi	<i>Geloina erosa</i>									1											2	3	
Bi	<i>Saccostrea cucullata</i>	5		12				2		1		4									2	26	
Bi	<i>Xenostrobus atrata</i>			1																		1	
C	<i>Hemigrapsus penicillatus</i>																				2	2	
C	<i>Macrophthalmus erato</i>			1												1						2	
C	<i>Macrophthalmus</i> sp.								1		1											2	
C	<i>Scylla serrata</i>															1						1	
C	<i>Uca lactea</i>													11		6	1					18	
C	<i>Uca</i> sp.						1									1						2	
G	<i>Batillaria multiformis</i>	3		47	8	13	50	6	1	5	4	6		14	1	5	4				48	13	228
G	<i>Cerithidea cingulata</i>	10		82	1	7	1	45	1	54	2	36		38	1	28		29			48		383
G	<i>Cerithidea djadjariensis</i>	24		63	2	26	5	14		31	1	63	3	102	2	101	6	69			53	2	567
G	<i>Cerithidea rhizophorarum</i>	2		8		3		1	1	2		8		5		13	1	11			11		66
G	<i>Clithon oualaniensis</i>			8		1												1					10
G	<i>Monodonta labio</i>					1																	1
G	<i>Nassarius festivus</i>							1															1



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

Sep 2014 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			
Hc	<i>Pagurus dubius</i>	1																				1
HSc	<i>Carcinoscorpius rotundicauda</i>				1																	1
P	Ampharetidae spp.				3			1		1			4						1		1	11
P	Maldanidae spp.							2	3	4	1		2									12
P	Oweniidae spp.																				1	1
S	<i>Penaeus</i> sp.	1																				1
																					Total	1351

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

Sep 2014 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>																3					3
Bi	<i>Anomalocardia squamosa</i>	1																				1
Bi	<i>Barbatia signata</i>																		1			1
Bi	<i>Barbatia virescens</i>																		1			1
Bi	<i>Saccostrea cucullata</i>			4										1		2		23		2		32
Bi	<i>Xenostrobus atrata</i>																	8			1	9
C	<i>Hemigrapsus penicillatus</i>				1									1					7			9
C	<i>Uca lactea</i>													3			1					4
C	<i>Uca</i> sp.													1								1
Cn	Sea anemone spp.																		1			1
G	<i>Batillaria multiformis</i>	9		1	4			2		5		1				13	6	21		110	14	186
G	<i>Batillaria zonalis</i>	5				6		15		7		1		4		7						45
G	<i>Cerithidea cingulata</i>	158				52		70		63		3		29	1	40	6	7		23	1	453
G	<i>Cerithidea djadjariensis</i>	30		1		77		120		67		41		67	1	47	5	13		28	1	498
G	<i>Cerithidea rhizophorarum</i>	2				8		11		8		6		13		8	2	1		4		63
G	<i>Clithon oualaniensis</i>									3							1					4
G	<i>Littoraria articulata</i>					1											1					2
G	<i>Lunella coronata</i>											1		1								2
G	<i>Monodonta labio</i>					1											1					2

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

Sep 2014 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			
G	<i>Nerita polita</i>																		2			2
Hc	<i>Pagurus dubius</i>																		44			44
P	Maldanidae spp.											1	2									3
P	Onuphidae spp.											1										1
																				Total	1367	

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

Sep 2014 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>							7							5							12
Bi	<i>Barbatia signata</i>	7		17		6		16		6												52
Bi	<i>Barbatia virescens</i>	10		23		4		8				4										49
Bi	<i>Saccostrea cucullata</i>	110		145		34		97		39		44		4		2		43		12		530
Bi	<i>Xenostrobus atrata</i>	8		17		4		13		2		2						21				67
C	<i>Hemigrapsus penicillatus</i>			1								1		1				1				4
C	<i>Nanosesarma minutum</i>	1		1		1		1				2										6
Cn	Sea anemone spp.																	1				1
Ec	Sea cucumber spp.							1														1
G	<i>Batillaria bornii</i>									1												1
G	<i>Batillaria multiformis</i>	1		4		18										6		20		10		59
G	<i>Batillaria zonalis</i>							1						2								3
G	<i>Cellana grata</i>			1		1																2
G	<i>Cerithidea cingulata</i>	1								6				7								14
G	<i>Cerithidea djadjariensis</i>									7				28	1	1		1				38
G	<i>Cerithidea rhizophorarum</i>									6				8								14
G	<i>Euchelus scaber</i>	1										1										2
G	<i>Littoraria articulata</i>					2		1								1		8		1		13
G	<i>Lunella coronata</i>	14		12		3		6				4		3								42

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

Sep 2014 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>Monodonta labio</i>	34		42		70		63						1		1		14		4		229
G	<i>Nerita polita</i>					1		4				1										6
Hc	<i>Pagurus dubius</i>							2														2
Ol	Marine oligochaete spp.																			1		1
P	Maldanidae spp.															2						2
P	Nereididae spp.			1																		1
P	Polynoidae spp.																	1				1
Sp	<i>Sipunculus nudus</i>	2		6		5		2		13		1						1				30
																					Total	1182

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

Sep 2014		Sampling zone ST		High tidal level (2.0 m above C.D.)																			
Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total	
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C		
Bi	<i>Barbatia signata</i>														1								1
Bi	<i>Barbatia virescens</i>												11		1								12
Bi	<i>Crassostrea ariakensis</i>					2																	2
Bi	<i>Saccostrea cucullata</i>	14		19		19		3		29		23		21		14		7			15		164
Bi	<i>Xenostrobus atrata</i>	10				6		1				1		2									20
C	<i>Hemigrapsus penicillatus</i>	3		4		2		1						1							3		14
C	<i>Macrophthalmus erato</i>													1									1
C	<i>Metopograpsus latifrons</i>	1																					1
C	<i>Nanosesarma minutum</i>									2		1		1							1		5
F	<i>Omobranchus fasciolatoceps</i>													1									1
G	<i>Batillaria bornii</i>	7						5		1		5		15		9					5		47
G	<i>Batillaria multiformis</i>	28		100		76		98		45		60		33		53		2			21		516
G	<i>Batillaria zonalis</i>	4																					4
G	<i>Cellana grata</i>			1																	4		5
G	<i>Cellana toreuma</i>											14		5		4						1	24
G	<i>Cerithidea cingulata</i>	6		1		1				2		2		4		14							30
G	<i>Cerithidea djadjariensis</i>	15		1				2		12		2		4		23		2			7		68
G	<i>Cerithidea rhizophorarum</i>	6								2						1							9
G	<i>Clithon faba</i>					1																	1

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

Sep 2014		Sampling zone ST		High tidal level (2.0 m above C.D.)																				
				1		2		3		4		5		6		7		8		9		10		sub-total
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
G	<i>Clithon oualaniensis</i>	6		3		4		9				3				7								32
G	<i>Euchelus scaber</i>	1													1									2
G	<i>Lepidozona</i> sp.											1												1
G	<i>Littoraia melanostoma</i>							1																1
G	<i>Littoraria articulata</i>	8		3		6				2		7						8				1		35
G	<i>Lunella coronata</i>									1		1		8		7						5		22
G	<i>Monodonta labio</i>	62		37		68		2		8		48		40		21		11				20		317
G	<i>Nassarius festivus</i>											1		1										2
G	<i>Nerita polita</i>			4		2		2				2		3				2						15
G	<i>Patelloida pygmaea</i>			1						1		4				1								7
G	<i>Peasiella</i> spp.											1				1								2
Hc	<i>Pagurus dubius</i>	1				2																		3
Ne	Nemertea spp.															1								1
																						Total	1365	

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

Sep 2014		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						1				2		4		12		2		23	
Bi	<i>Barbatia virescens</i>	1		1						5		1		5		4		7		12		36	
Bi	<i>Circe</i> sp.		1																			1	
Bi	<i>Crassostrea ariakensis</i>	1																				1	
Bi	<i>Ruditapes philippinarum</i>		1																			1	
Bi	<i>Saccostrea cucullata</i>	7		28		11		15		22		27		45		44		5		51		255	
Bi	<i>Xenostrobus atrata</i>									1						2				4		7	
C	<i>Hemigrapsus penicillatus</i>		1	2		4		5		2		2		1		1		1		3		21	
C	<i>Macrophthalmus erato</i>													1				2				3	
C	<i>Nanosesarma minutum</i>	1								1		1						1		2		6	
Cn	Sea anemone spp.											3				1				1		5	
F	<i>Omobranchus fasciolatoceps</i>															1						1	
G	<i>Batillaria bornii</i>			6		3		3		10		27				10		5		3		67	
G	<i>Batillaria multiformis</i>	22	2	19		6		11		10		41		3		3		5		19		141	
G	<i>Batillaria zonalis</i>	1				3						2										6	
G	<i>Cellana grata</i>	1		1						2												4	
G	<i>Cellana toreuma</i>							9		7		3				15		10		7		51	
G	<i>Cerithidea cingulata</i>	9		14		20		25		8		27				11		1		3		118	
G	<i>Cerithidea djadjariensis</i>	41		21		54		23		7		11		4		5		2		9		177	



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

Sep 2014		Sampling zone ST		Mid tidal level (1.5 m above C.D.)																			
Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total	
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C		
G	<i>Cerithidea rhizophorarum</i>			6		4		5				2				1		1				19	
G	<i>Clithon faba</i>											1										1	
G	<i>Clithon oualaniensis</i>	2				1		1		6		2										12	
G	<i>Euchelus scaber</i>			2								2		2		1					2	9	
G	<i>Lepidozona</i> sp.											1						1				2	
G	<i>Littoraiia melanostoma</i>			1																		1	
G	<i>Lunella coronata</i>	2		13		4		8		12		17		8		14		12			24	114	
G	<i>Monodonta labio</i>	16		9		4		13		63		35		44		58		35			89	366	
G	<i>Nassarius festivus</i>		1	1																		2	
G	<i>Nassarius</i> sp.											1										1	
G	<i>Nerita polita</i>									4						1					1	6	
G	<i>Patelloida pygmaea</i>											2		2		5					1	10	
G	<i>Peasiella</i> spp.									1						1						2	
Hc	<i>Diogenes</i> sp.							1														1	
Hc	<i>Pagurus dubius</i>			1																		1	
Ne	Nemertea spp.	1														2						3	
Sp	<i>Sipunculus nudus</i>	1																2		1		4	
																					Total	1478	

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

Sep 2014		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>												3		1		9		8			21	
Bi	<i>Barbatia virescens</i>														2		2		5			9	
Bi	<i>Circe</i> sp.		2																			2	
Bi	<i>Ruditapes philippinarum</i>			2																		2	
Bi	<i>Saccostrea cucullata</i>			10						7		20		11		28		49				125	
Bi	<i>Xenostrobus atrata</i>															1						1	
C	<i>Hemigrapsus penicillatus</i>			1											1							2	
C	<i>Nanosesarma minutum</i>															1						1	
F	<i>Omobranchus fasciolatoceps</i>											1										1	
G	<i>Batillaria bornii</i>			9											1		2					12	
G	<i>Batillaria multiformis</i>	6		13		3									1							23	
G	<i>Batillaria zonalis</i>	29	1	1		8		17	1	2	1	1									1	62	
G	<i>Cellana grata</i>														1							1	
G	<i>Cellana toreuma</i>			7								1										8	
G	<i>Cerithidea cingulata</i>	4	2							4		7		3		3		5				28	
G	<i>Cerithidea djadjariensis</i>	54		19						2		2		3		5		6		2		93	
G	<i>Cerithidea rhizophorarum</i>	4	1	1														2				8	
G	<i>Dentalium sinuosum</i>					2																2	

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

Sep 2014		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>Euchelus scaber</i>			1						1		2				14		4				22	
G	<i>Lunella coronata</i>			17						1		18		14		35		21				106	
G	<i>Monodonta labio</i>			15																		15	
G	<i>Nassarius festivus</i>									1						3						4	
G	<i>Peasiella</i> spp.			1																		1	
G	<i>Pisania ignea</i>										2											2	
Ne	Nemertea spp.							1														1	
P	Glyceridae spp.															1						1	
P	Maldanidae spp.					1	1															2	
P	Onuphidae spp.		1				1		2												2	6	
S	<i>Alpheus brevicristatus</i>															1						1	
Sp	<i>Sipunculus nudus</i>									3								9				12	
																					Total	575	