



**Figure 2.1.** Locations of sampling zones. 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.*

TC1



bike



trash gill net

TC3



boat wreckage

ST



trash gill net and hand trolley

**Figure 2.3.** *Examples of photographic record of the big trashes found on the mudflat.*

**TC1** *Carcinoscorpius rotundicauda*



**TC2** *Carcinoscorpius rotundicauda*



**TC3** *Carcinoscorpius rotundicauda*



**Figure 3.1.** Examples of photographic records of horseshoe crab (Mar. 2017)

**TC3** *Tachypleus tridentatus*



**ST** *Carcinoscorpius rotundicauda*



**ST** *Tachypleus tridentatus*



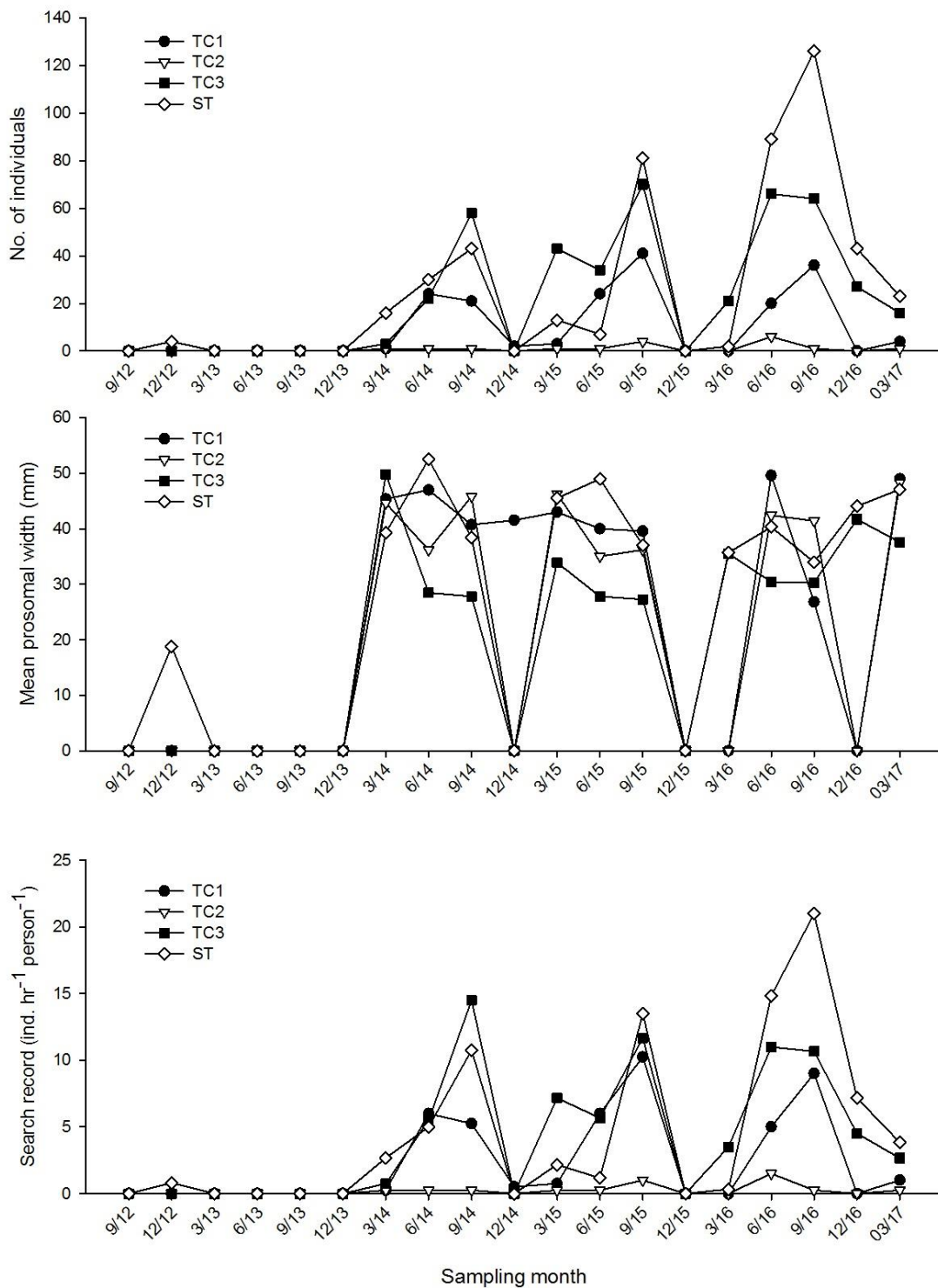
**Figure 3.1 (Cont'd).** Examples of photographic records of horseshoe crab (Mar. 2017)

**Table 3.1.** 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	4	1	16	23
mean prosomal width (mm)	48.98	48.30	37.59	47.08
max. prosomal width (mm)	65.76	\	70.29	107.04
min. prosomal width (mm)	29.62	\	16.89	27.98
Search record (ind. hr <sup>-1</sup> person <sup>-1</sup> )	1.0	0.3	2.7	3.8
<b><i>Tachypleus tridentatus</i></b>				
no. of individuals			5	11
mean prosomal width (mm)			40.99	51.05
max. prosomal width (mm)	N.A.	N.A.	50.66	81.94
min. prosomal width (mm)			29.54	28.95
Search record (ind. hr <sup>-1</sup> person <sup>-1</sup> )			0.8	1.8

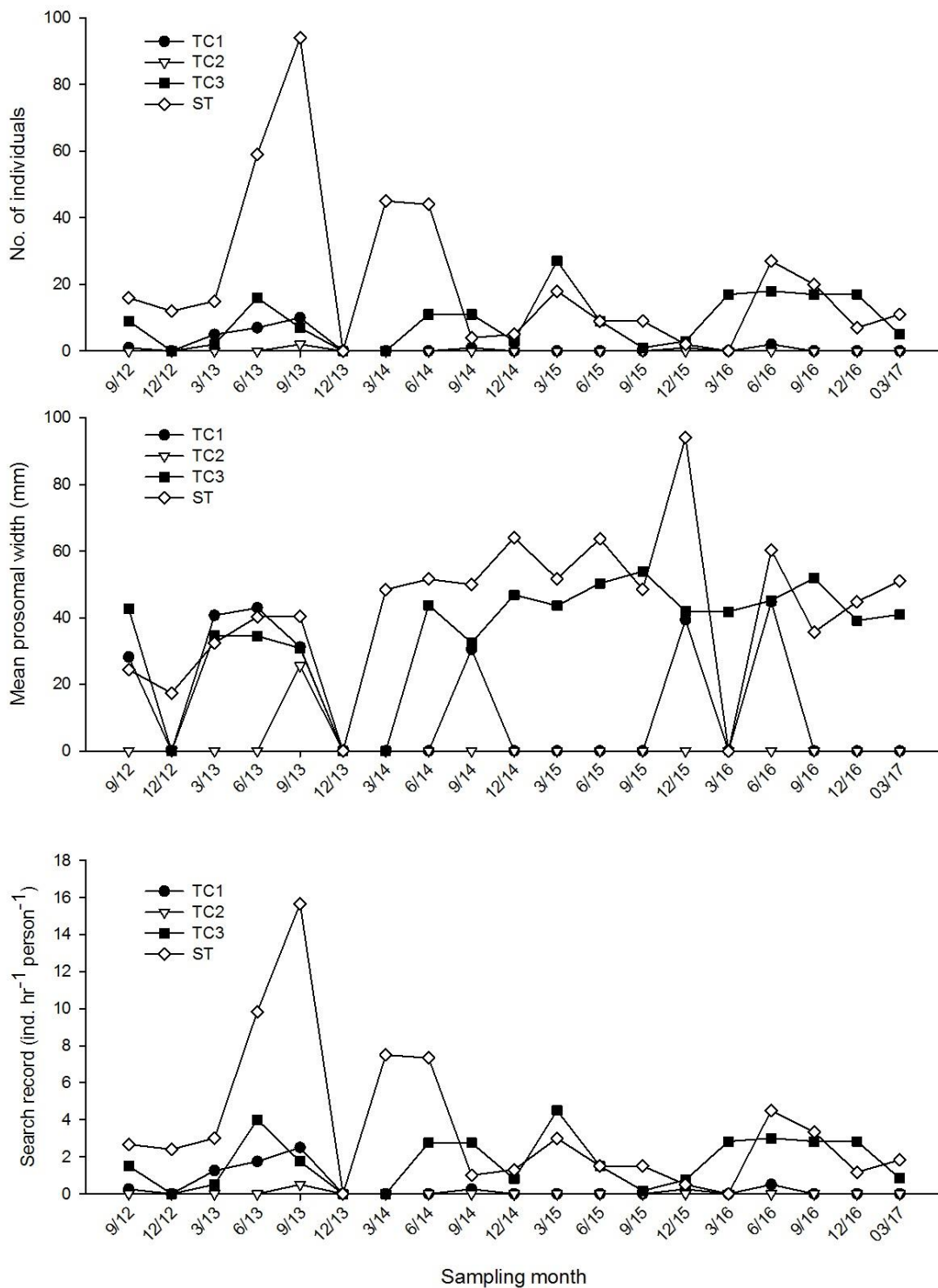


**Figure 3.2.** *Photographic records of mating pair (above) and moult (below) of Carcinoscorpius rotundicauda (Mar.2015)*



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





**Figure 3.4.** Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* in every sampling zone along the sampling months

TC1



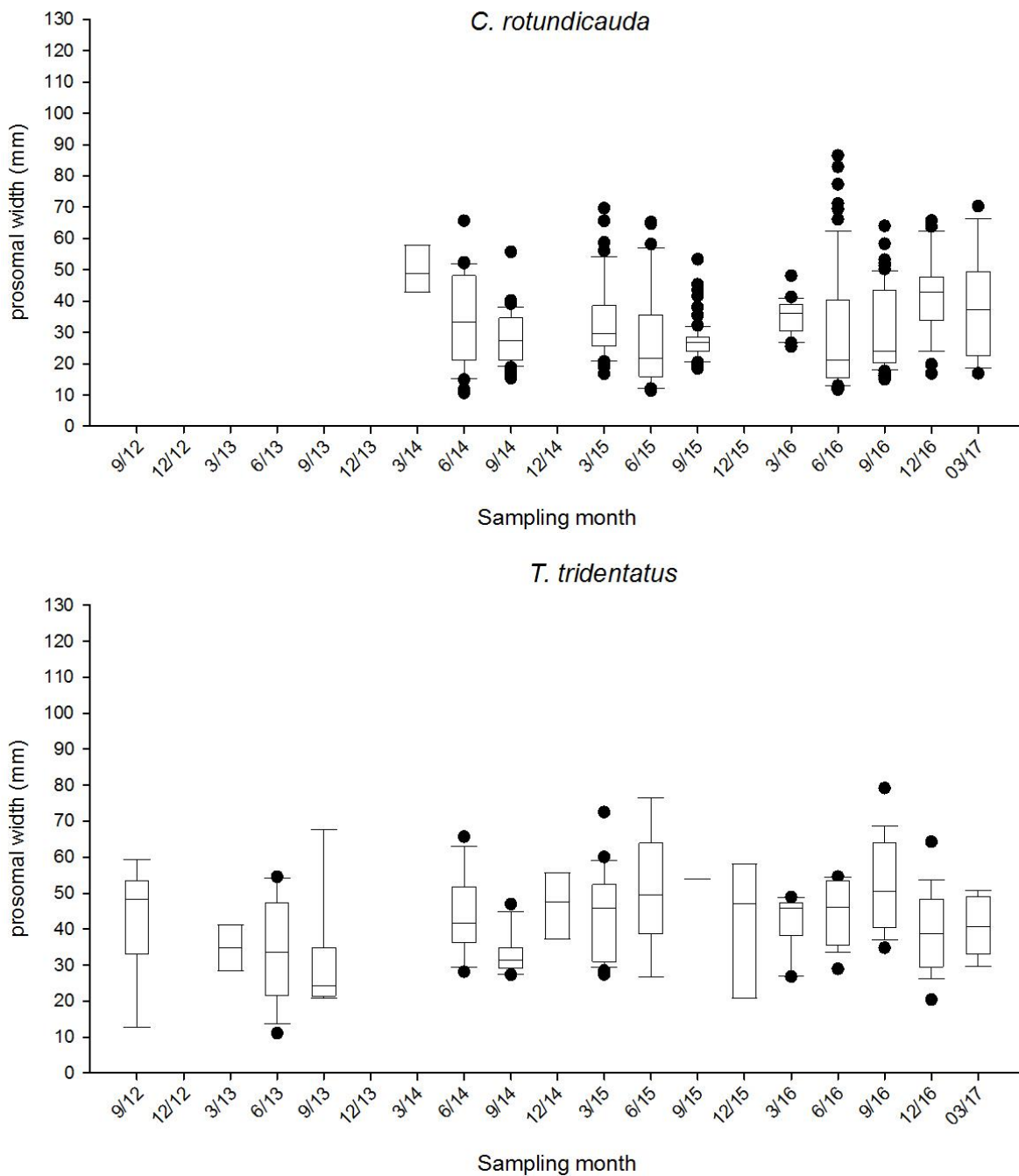
TC3



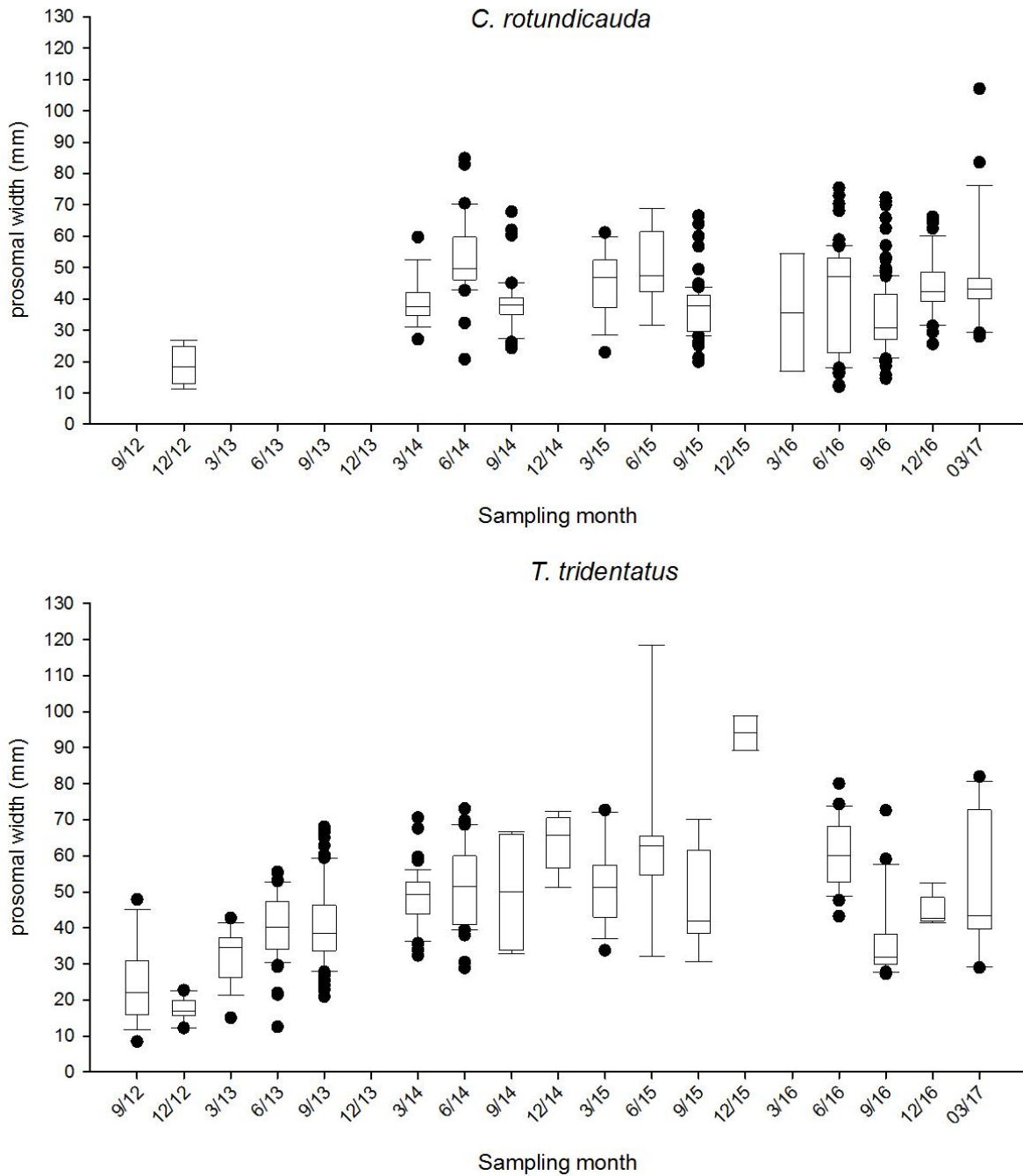
ST



**Figure 3.5.** *Examples of photo recording of large scaled recruitment of filamentous algae in Tung Chung Wan (Mar. 2017)*



**Figure 3.6.** Box plot of prosomal width of horseshoe crab in the sampling zone TC3 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.)



**Figure 3.7.** 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.)

**TC3 *Halophila ovalis***



**ST *Halophila ovalis***

Picture of extensive seagrass bed is  
NOT feasible due to night survey.



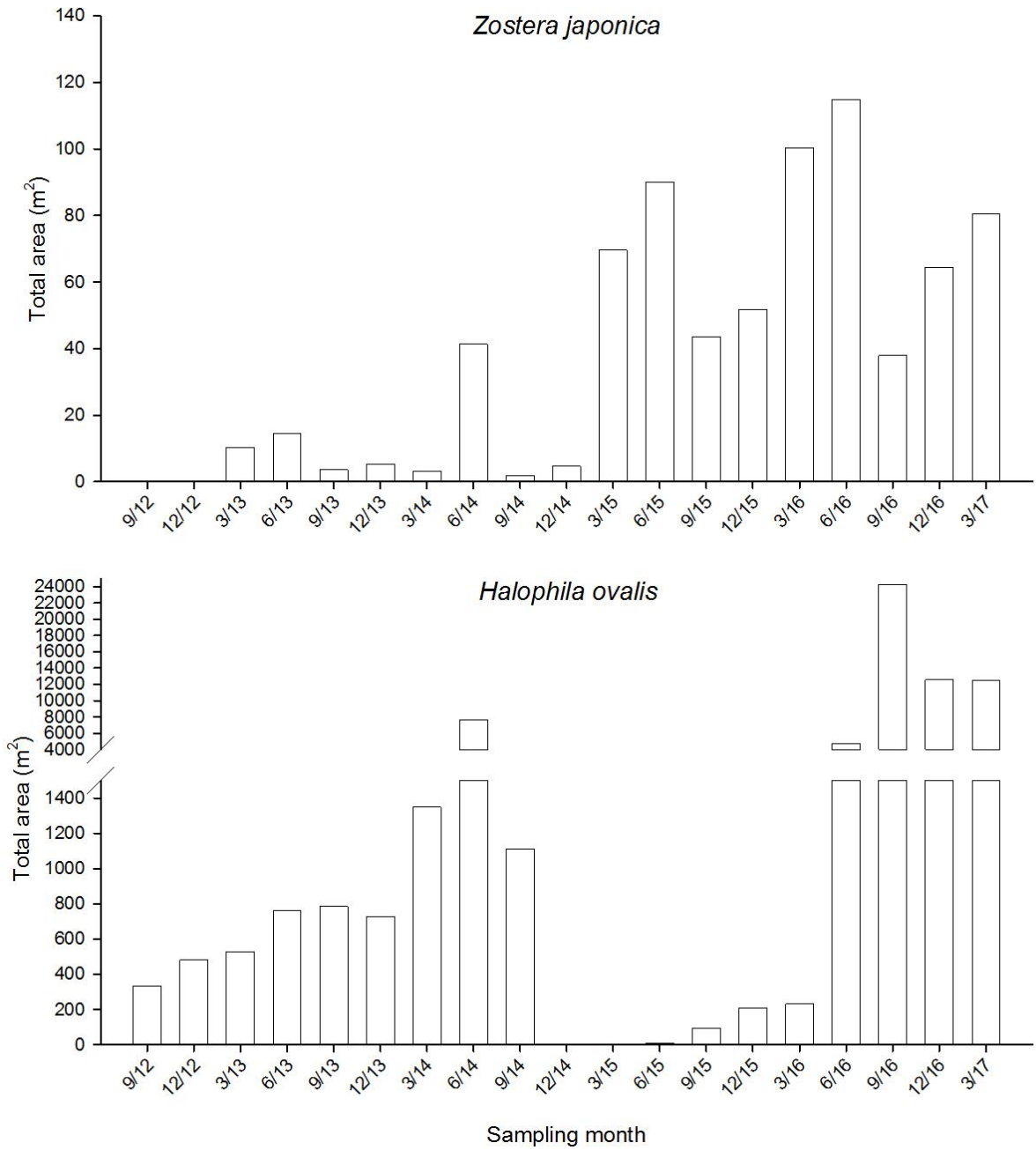
**ST *Zostera japonica***



**Figure 3.8.** Examples of photographic records of seagrass beds survey (Mar. 2017)

**Table 3.2.** *Summary of seagrass beds survey*

<b>Sampling zone</b>	TC3	ST	
	<i>Halophila ovalis</i>	<i>Halophila ovalis</i>	<i>Zostera japonica</i>
<b>Number of patches</b>	1	4	2
<b>Total area (m<sup>2</sup>)</b>	43.3	12437.5	80.5
<b>Average area (m<sup>2</sup>)</b>	\	3109.4	40.2



**Figure 3.9.** Temporal changes of estimated total area of seagrass beds in ST

**Jun. 2014**



**Dec. 2014**



**Mar. 2015**



**Sep. 2015**



**Mar. 2016**



**Dec. 2016**



**Figure 3.10.** Comparison of pictures taken in different sampling months shows the disappearance and recolonization of seagrass beds.



**Table 3.3.** *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		90	10
	M	30	10	60
	L		20	80
TC3	H		50	50
	M	10	70	20
	L	100		
ST	H	100		
	M	80	20	
	L	30	10	60

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

TC1 H



TC1 L



04/3/2017

TC2 H



TC2 L



12/3/2017

TC3 M



TC3 L

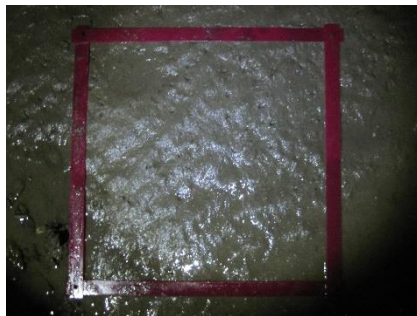


11/3/2017

ST H



ST L



03/3/2017

**Figure 3.11.** *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 3.4.** Total abundance, density and number of taxon of every phylum

Phylum	Total Abundance	%	Density (ind. m <sup>-2</sup> )	Number of taxon
<i>Mar. 2017</i>				
Mollusca	11153	97.4	372	35
Arthropoda	182	1.6	6	11
Annelida	61	0.5	2	7
Sipuncula	22	0.2	1	2
Cnidaria	15	0.1	1	1
Echiura	13	0.1	0	1
Chordata	2	0.0	0	1
Nemertea	2	0.0	0	1
Platyhelminthes	1	0.0	0	1
<b>Total</b>	11451			

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 3.5.** *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	14	0.3	2	27	1.9	4	14	0.4	2	6	0.3	1
Arthropoda	49	1.2	7	29	2.0	4	59	1.5	8	45	2.2	6
Chordata				1	0.1	0				1	0.0	0
Cnidaria							3	0.1	0	12	0.6	2
Echiura	8	0.2	1	3	0.2	0	2	0.1	0			
Mollusca	4074	98.1	543	1373	95.7	183	3757	97.6	501	1949	96.8	260
Nemertea				1	0.1	0	1	0.0	0			
Platyhelminthes										1	0.0	0
Sipuncula	9	0.2	1	1	0.1	0	12	0.3	2			
<b>Sub-total</b>	4154			1435			3848			2014		

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 3.6.** *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>	594	76	76
Mid	G	<i>Batillaria multiformis</i>	240	49	49
	Bi	<i>Saccostrea cucullata</i>	78	16	65
	G	<i>Monodonta labio</i>	74	15	80
Low	Bi	<i>Saccostrea cucullata</i>	117	30	30
	G	<i>Monodonta labio</i>	82	21	52
	G	<i>Batillaria multiformis</i>	62	16	68

Bi = Bivalve, G = Gastropod

**Table 3.6 (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>	265	64	64
	G	<i>Cerithidea cingulata</i>	48	12	75
	G	<i>Batillaria zonalis</i>	41	10	85
Mid	G	<i>Batillaria zonalis</i>	38	29	29
	Bi	<i>Saccostrea cucullata</i>	38	29	58
	G	<i>Cerithidea djadjariensis</i>	14	11	69
Low	G	<i>Batillaria zonalis</i>	10	38	38
	Bi	<i>Saccostrea cucullata</i>	5	19	57
	P	Maldanidae spp.	4	13	71

Bi = Bivalve, G = Gastropod, P = Polychaete

**Table 3.6 (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>	238	44	44
	G	<i>Batillaria multiformis</i>	235	43	87
Mid	G	<i>Cerithidea djadjariensis</i>	268	57	57
	G	<i>Batillaria multiformis</i>	88	19	76
	G	<i>Cerithidea cingulata</i>	49	10	86
Low	Bi	<i>Saccostrea cucullata</i>	217	41	41
	G	<i>Monodonta labio</i>	152	29	70

Bi = Bivalve, G = Gastropod

**Table 3.6 (Cont'd).** *The abundant species (relative abundance >10%) in every sampling zone*

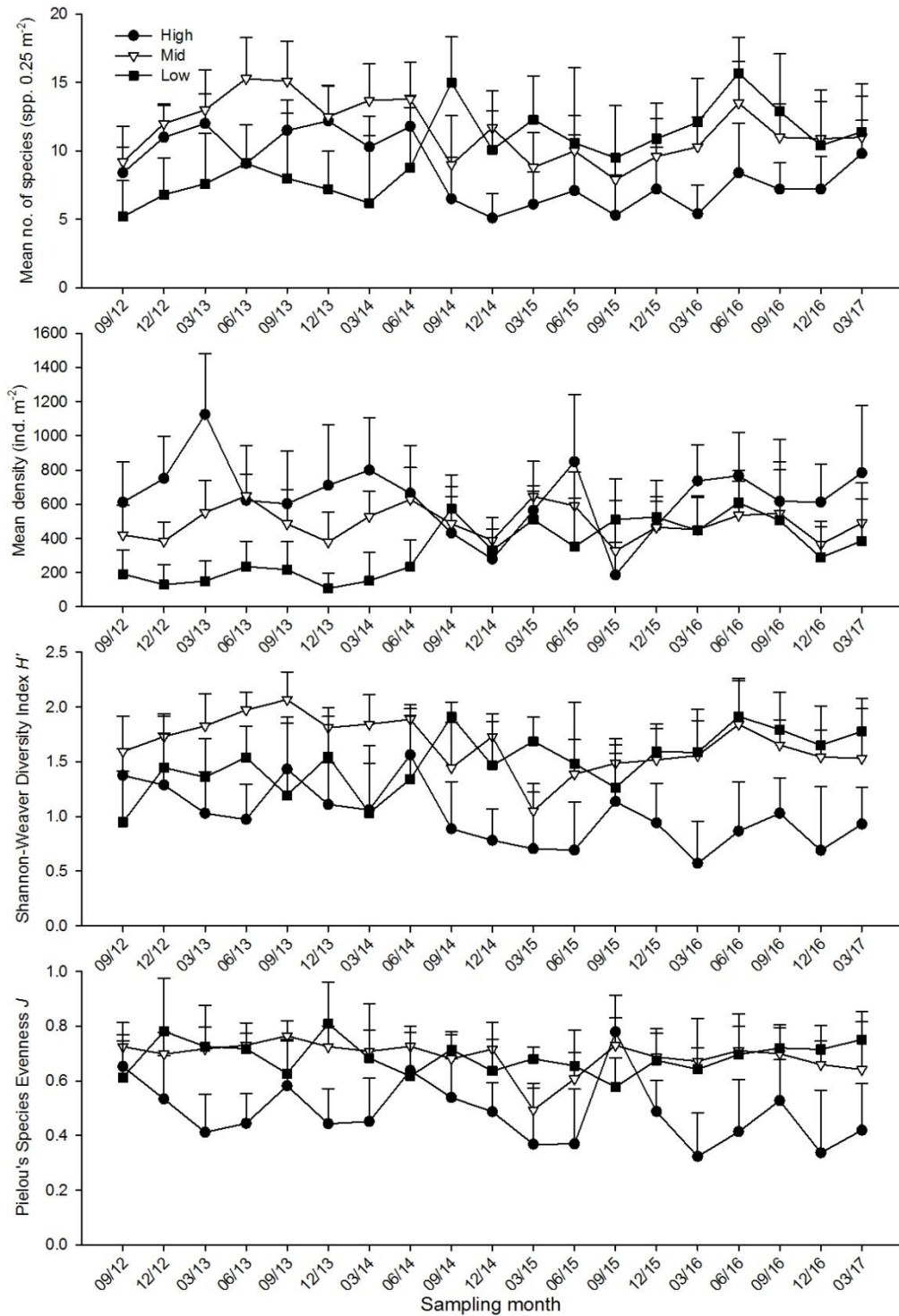
Sampling zone ST	Group	Species	Mean density (ind. m <sup>-2</sup> )	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	113	33	33
	G	<i>Monodonta labio</i>	66	19	53
	Bi	<i>Saccostrea cucullata</i>	57	17	70
Mid	Bi	<i>Saccostrea cucullata</i>	124	34	34
	G	<i>Monodonta labio</i>	46	13	47
	G	<i>Lunella coronata</i>	42	12	58
Low	Bi	<i>Saccostrea cucullata</i>	31	29	29
	G	<i>Lunella coronata</i>	16	15	44
	G	<i>Batillaria zonalis</i>	14	13	57

Bi = Bivalve, G = Gastropod

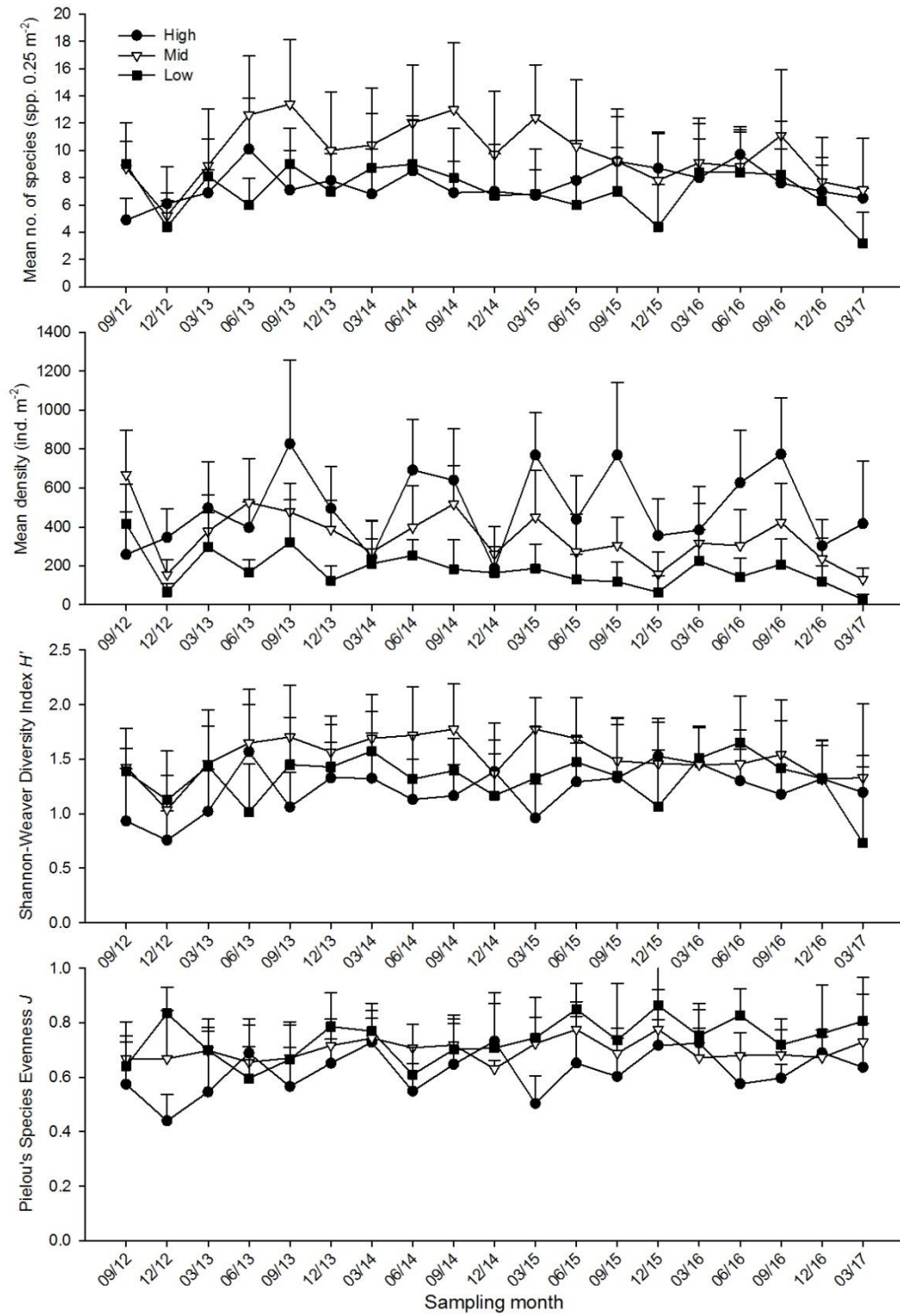


**Table 3.7.** Mean values of species number, density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) at every tidal level and in every sampling zone

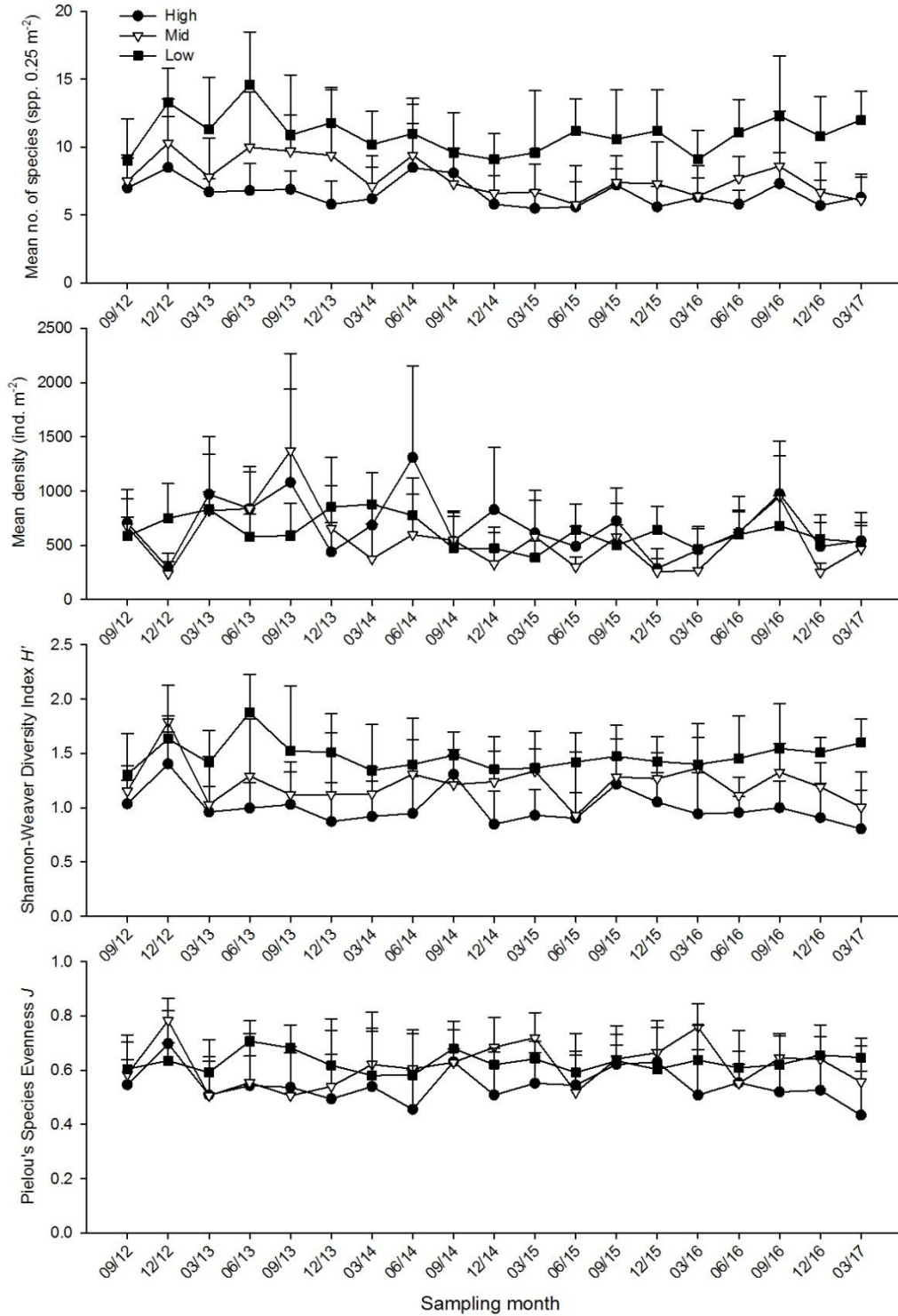
Sampling zone	Tidal level	Mean species number (spp. 0.25 m <sup>-2</sup> )	Mean species number across tidal levels	Mean density (ind. m <sup>-2</sup> )	Mean density across tidal levels	Mean $H'$	Mean $H'$ across tidal levels	Mean $J$	Mean $J$ across tidal levels
TC1	H	10	11	785	554	0.9	1.4	0.4	0.6
	M	11		491		1.5		0.6	
	L	11		386		1.8		0.8	
TC2	H	7	6	416	191	1.2	1.1	0.6	0.7
	M	7		130		1.3		0.7	
	L	3		27		0.7		0.8	
TC3	H	6	8	542	513	0.8	1.1	0.4	0.5
	M	6		468		1.0		0.6	
	L	12		529		1.6		0.6	
ST	H	11	10	337	269	1.8	1.6	0.7	0.8
	M	14		363		2.0		0.8	
	L	6		106		1.1		0.8	



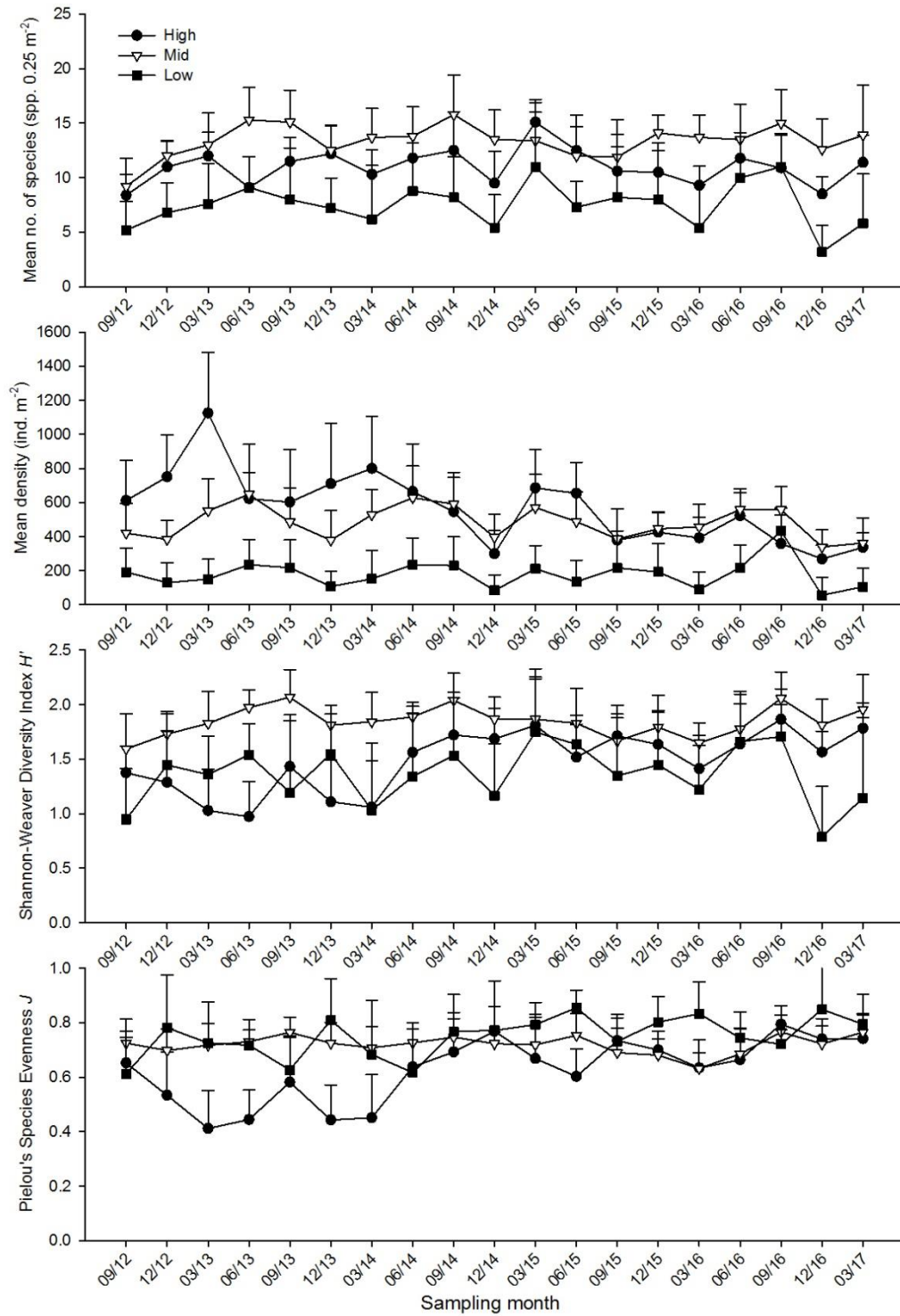
**Figure 3.12.** Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index ( $H'$ ) and Pielou's Species Evenness ( $J$ ) (mean + SD) at every tidal level in sampling zone TC1



**Figure 3.13.** 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 3.14.** 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 3.15.** 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. Record of horseshoe crab survey in every sampling zone.**

No.	Sub.	GPS coordinate		Record of prosomal width (mm)		
<u>Sampling site TC1 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>		<i>Tachypleus tridentatus</i>
1	S	22° 17.013' N	113° 55.990' E	29.62		
2	M	22° 17.091' N	113° 56.060' E	40.03		
3	M	22° 17.030' N	113° 55.969' E	60.51	65.76	
<b>No. of ind.</b>				<b>4</b>		<b>0</b>
<u>Sampling site TC2 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>		<i>Tachypleus tridentatus</i>
1	M	22° 16.891' N	113° 55.858' E	48.30		
<b>No. of ind.</b>				<b>1</b>		<b>0</b>

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

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

No.	Sub.	GPS coordinate		Record of prosomal width (mm)				
<u>Sampling site TC3 (Search hour = 3 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>			<i>Tachypleus tridentatus</i>	
1	M	22° 16.978' N	113° 55.647' E	37.47				
2	S	22° 16.967' N	113° 55.684' E	19.52				
3	S	22° 16.961' N	113° 55.699' E	22.20	22.55			
4	S	22° 16.955' N	113° 55.704' E	16.89	22.96	26.39		
5	M	22° 16.949' N	113° 55.719' E	36.79				
6	S	22° 16.995' N	113° 55.649' E	28.41	51.04		50.66	
7	S	22° 16.989' N	113° 55.651' E				29.54	36.47 40.79 47.51
8	S	22° 16.983' N	113° 55.665' E	46.98				
9	M	22° 17.007' N	113° 55.645' E	41.47				
10	M	22° 17.028' N	113° 55.642' E	43.83				
11	M	22° 17.061' N	113° 55.640' E	70.29				
12	M	22° 17.092' N	113° 55.638' E	64.43				
13	M	22° 17.079' N	113° 55.617' E	50.18				
<b>No. of ind.</b>				<b>16</b>			<b>5</b>	

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



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

No.	Sub.	GPS coordinate		Record of prosomal width (mm)								
<u>Sampling site ST</u>		<u>(Search hour = 3 hrs)</u>		<i>Carcinoscorpius rotundicauda</i>					<i>Tachypleus tridentatus</i>			
1	S	22° 17.389' N	113° 55.456' E	29.24	29.75	30.03	39.46	39.93		40.55	42.60	48.56
2	S	22° 17.237' N	113° 55.496' E							28.95	29.93	39.67
3	M	22° 17.172' N	113° 55.502' E							58.25		
4	M	22° 17.175' N	113° 55.482' E	107.04						43.27		
5	M	22° 17.176' N	113° 55.475' E	59.31								
6	M	22° 17.182' N	113° 55.482' E	44.36	46.49							
7	M	22° 17.187' N	113° 55.483' E	83.57								
8	M	22° 17.191' N	113° 55.481' E	41.07	42.73	43.85	44.14					
9	M	22° 17.206' N	113° 55.489' E	27.98	41.01	41.79	42.71	43.33	44.09	52.71	72.76	
				65.00								
10	M	22° 17.204' N	113° 55.503' E	43.30						75.08	81.94	
<b>No. of ind.</b>				<b>23</b>					<b>11</b>			

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

**Annex III. Record of seagrass beds survey in every sampling zone**

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<b>Estimated area (m<sup>2</sup>)</b>	<b>Estimated coverage (%)</b>	<b>GPS coordinate</b>		<b>Remark</b>
<b>TC1 (search hour = 2 hrs) &amp; TC2 (search hour = 2 hrs)</b>				
No record				
<b>TC3 (search hour = 3 hrs) <i>Halophila ovalis</i></b>				
43.3	20	a single patch	22° 17.094' N 113° 55.588' E	A small patch of seagrass bed at tidal zone 0.5-1.0 m above C.D.

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**Annex III (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) <i>Halophila ovalis</i></b>						
6521.9	20	horizontal line	22° 17.100' N	113° 55.579' E	--	
			22° 17.171' N	113° 55.519' E	--	
		vertical line	22° 17.097' N	113° 55.554' E	--	An extensive patch of seagrass bed at tidal zone 0.5-1.5 m above C.D.
			22° 17.108' N	113° 55.571' E	--	
3131.3	50	horizontal line	22° 17.154' N	113° 55.499' E	--	
			22° 17.177' N	113° 55.488' E	--	
		vertical line	22° 17.166' N	113° 55.476' E	--	An extensive patch of seagrass bed at tidal zone 0.5-1.5 m above C.D.
			22° 17.172' N	113° 55.514' E	--	
1438.9	50	horizontal line	22° 17.167' N	113° 55.480' E	--	
			22° 17.192' N	113° 55.477' E	--	
		vertical line	22° 17.185' N	113° 55.473' E	--	
			22° 17.182' N	113° 55.491' E	--	
1345.4	50	horizontal line	22° 17.192' N	113° 55.477' E	--	
			22° 17.217' N	113° 55.475' E	--	A medium, horizontal strand of seagrass bed nearby the seaward side of mangrove area at tidal zone 1.5-2.0 m above C.D.
		vertical line	22° 17.194' N	113° 55.472' E	--	
			22° 17.200' N	113° 55.487' E	--	

**Annex III (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) <i>Zostera japonica</i></b>					
4.1	50	a single patch	22° 17.196' N	113° 55.471' E	A single patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
76.4	100	horizontal line	22° 17.200' N	113° 55.472' E	--
			22° 17.211' N	113° 55.473' E	--
			22° 17.206' N	113° 55.473' E	--
			22° 17.210' N	113° 55.474' E	--
A small horizontal strand of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.					

**Annex IV. 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	Annelida	Clitellata			Marine oligochaete spp.
Animalia	Annelida	Polychaeta	Eunicida	Onuphidae	Onuphidae spp.
Animalia	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereididae spp.
Animalia	Annelida	Polychaeta	Sabellida	Sabellidae	Sabellidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta		Capitellidae	Capitellidae spp.
Animalia	Annelida	Polychaeta		Maldanidae	Maldanidae spp.
Animalia	Arthropoda	Malacostraca	Decapoda	Alpheidae	<i>Alpheus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus</i> sp.
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	Portunidae	<i>Portunus</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Perisesarma</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus penicillatus</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Gobiidae spp.
Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	<i>Diadumene lineata</i>
Animalia	Echiura				Echiura spp.
Animalia	Mollusca	Bivalvia	Anomalodesmata	Laternulidae	<i>Laternula anatina</i>
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia virescens</i>
Animalia	Mollusca	Bivalvia	Euheterodonta	Hiatellidae	<i>Hiatella arctica</i>
Animalia	Mollusca	Bivalvia	Mytiloida	Mytilidae	<i>Xenostrobus atratus</i>
Animalia	Mollusca	Bivalvia	Ostreoida	Ostreidae	<i>Saccostrea cucullata</i>
Animalia	Mollusca	Bivalvia	Veneroida	Corbiculidae	<i>Geloina erosa</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>

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

Kingdom	Phylum	Class	Order	Family	Species
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	Cephalaspidea	Philinidae	<i>Philine vitrea</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Clithon faba</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Clithon oualaniensis</i>
Animalia	Mollusca	Gastropoda	Cycloneritimorpha	Neritidae	<i>Nerita polita</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	Peasiella spp.
Animalia	Mollusca	Gastropoda	Littorinimorpha	Rissoinidae	<i>Rissoina plicatula</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</i> sp.
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Nipponacmea concinna</i>
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Patelloida pygmaea</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana grata</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana toreuma</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Euchelus scaber</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Monodonta labio</i>
Animalia	Mollusca	Gastropoda		Turbinidae	<i>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	Platyhelminthes				Platyhelminthes spp.
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	<i>Siphonosoma cumanense</i>
Animalia	Sipuncula	Sipunculidea	Golfingiida	Sipunculidae	<i>Sipunculus nudus</i>

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

Mar 2017 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>			3		2		2				6		2		18		8		13		54
Bi	<i>Xenostrobus atratus</i>							1										3		1		5
C	<i>Hemigrapsus penicillatus</i>							1				1						1		1		4
C	<i>Metopograpsus latifrons</i>																			2		2
C	<i>Nanosesarma minutum</i>	1		1				2		2		1		1						1		9
Eh	<i>Echiura</i> spp.							2		2				1		2				1		8
G	<i>Batillaria multiformis</i>	3		36		33		342		267		157		224		150		136		136		1484
G	<i>Batillaria zonalis</i>	18																				18
G	<i>Cellana toreuma</i>			1																1		2
G	<i>Cerithidea cingulata</i>	43		2		2		1		3		1										52
G	<i>Cerithidea djadjariensis</i>	41		31		27		10		20		12				3						144
G	<i>Cerithidea rhizophorarum</i>	4		1		2		1		5		1				3		1				18
G	<i>Clithon faba</i>			1				2												1		4
G	<i>Clithon oualaniensis</i>	2						6														8
G	<i>Littoraria articulata</i>			1		1				3		3						23		5		36
G	<i>Lunella coronata</i>															2				1		3
G	<i>Monodonta labio</i>			3		2		4		8		15		12		10		9		27		90
G	<i>Nipponacmea concinna</i>													1				1				2

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

Mar 2017 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>Patelloida pygmaea</i>																	1		1		2
G	<i>Rissoina plicatula</i>									2					1							3
G	<i>Terebralia sulcata</i>												1									1
OI	Marine oligochaete spp.							5		2		2										9
P	Nereididae spp.														1						1	2
																				<b>Total</b>	<b>1962</b>	



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

Mar 2017 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						1		2				5
Bi	<i>Barbatia virescens</i>			1																		1
Bi	<i>Geloina erosa</i>			1																		1
Bi	<i>Hiatella arctica</i>																		1			1
Bi	<i>Saccostrea cucullata</i>	3		53		17		14		21		7		8		12		13		46		194
Bi	<i>Xenostrobus atratus</i>			2		1				2		1						3		2		11
C	<i>Hemigrapsus penicillatus</i>					1														1		2
C	<i>Nanosesarma minutum</i>											1		1				1		2		5
C	<i>Uca</i> sp.		1																			1
G	<i>Batillaria multiformis</i>	2		36		20		20		57		188		135		41		50		51		600
G	<i>Batillaria zonalis</i>	9																				9
G	<i>Cellana grata</i>			3				1		1												5
G	<i>Cellana toreuma</i>			1		3		1							2		4		1			12
G	<i>Cerithidea cingulata</i>					2				1								2				5
G	<i>Cerithidea djadjariensis</i>	1		1		16		26		22					5		5		2			78
G	<i>Cerithidea rhizophorarum</i>	1				3		8		3			1		2					1		19
G	<i>Clithon faba</i>							3		2					12		5					22
G	<i>Clithon oualaniensis</i>							1														1
G	<i>Littoraria articulata</i>			10						2		18								4		34

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

Mar 2017 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>	2		2		1		2						1		3				1		12
G	<i>Monodonta labio</i>			50		13		10		16		17		12		21		22		24		185
G	<i>Nerita polita</i>			3						1		1				1		1				7
G	<i>Nipponacmea concinna</i>			1								1				4		1				7
G	<i>Patelloida pygmaea</i>			1												2		1				4
Ol	Marine oligochaete spp.											2										2
P	Maldanidae spp.		1																			1
Sp	<i>Siphonosoma cumanense</i>																		1			1
Sp	<i>Sipunculus nudus</i>											1							1			2
																					<b>Total</b>	<b>1227</b>

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

Mar 2017 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>							1		1						1		1				4
Bi	<i>Barbatia virescens</i>	7																				7
Bi	<i>Geloina erosa</i>															1						1
Bi	<i>Hiatella arctica</i>							1				4		2		4		1		14		26
Bi	<i>Ruditapes philippinarum</i>															3						3
Bi	<i>Saccostrea cucullata</i>	95		11				50		3		39		8		22		14		51		293
Bi	<i>Xenostrobus atratus</i>	3		2								2				1				2		10
C	<i>Hemigrapsus penicillatus</i>			1												1		1				3
C	<i>Metopograpsus latifrons</i>	4																				4
C	<i>Nanosesarma minutum</i>	3										2								3		8
G	<i>Batillaria multiformis</i>	2				5				2		15		38		36		21		37		156
G	<i>Batillaria zonalis</i>			6		15	3	3														27
G	<i>Cellana grata</i>	2						1														3
G	<i>Cellana toreuma</i>			1								4		3		1		2		2		13
G	<i>Cerithidea cingulata</i>						2	4		1				1						2		10
G	<i>Cerithidea djadjariensis</i>					8	2	5				1		5		13		21		3		58
G	<i>Cerithidea rhizophorarum</i>						1									3						4
G	<i>Clithon faba</i>									3				5		5		6		5		24
G	<i>Clithon oualaniensis</i>							2		1				9		2		1				15

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

Mar 2017 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Euchelus scaber</i>																1					1
G	<i>Lepidozonia</i> sp.													2								2
G	<i>Littoraria articulata</i>	5																			2	7
G	<i>Lunella coronata</i>	6		3				4		5		3		8		6		3		13		51
G	<i>Monodonta labio</i>	87		2				18		1		39		12		9		12		25		205
G	<i>Nerita polita</i>	2						1														3
G	<i>Nipponacmea concinna</i>							1				6		2		2		2		1		14
G	<i>Patelloida pygmaea</i>											3		1		1						5
Hc	<i>Pagurus dubius</i>									2												2
Sp	<i>Sipunculus nudus</i>	3		2				1														6
																					<b>Total</b>	<b>965</b>

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

Mar 2017 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>									1		20										21
Bi	<i>Geloina erosa</i>																		1			1
Bi	<i>Saccostrea cucullata</i>	2		1				2				2		6		1		1				15
C	<i>Uca vocans</i>																1					1
G	<i>Batillaria multiformis</i>	1		13		16	2	27	3	8		4	1	6		1		2		1		85
G	<i>Batillaria zonalis</i>	1	1	7	3	6		5	1	12		5		14		15	1	5	1	21	4	102
G	<i>Cerithidea cingulata</i>	3	1	25	10	15	2	15	12	10		3	2	2		10	3	3			4	120
G	<i>Cerithidea djadjariensis</i>	27	15	98	26	206	6	85	40	50	10	24	3	3		49	3	3	6	9		663
G	<i>Cerithidea rhizophorarum</i>			10		3			2					3							4	22
G	<i>Lunella coronata</i>															1						1
G	<i>Monodonta labio</i>													3					1			4
G	<i>Nassarius festivus</i>	1																			1	2
G	<i>Nassarius</i> sp.									1												1
P	Ampharetidae spp.				1				1													2
P	Sabellidae spp.																				1	1
																					<b>Total</b>	<b>1041</b>

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

Mar 2017 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>							2						2								4
Bi	<i>Saccostrea cucullata</i>	33						22		11		12		8		9						95
Bi	<i>Xenostrobus atratus</i>													1								1
C	<i>Nanosesarma minutum</i>													1								1
C	<i>Portunus</i> sp.													1								1
C	<i>Uca</i> sp.																	1				1
Eh	<i>Echiura</i> spp.	1								2												3
G	<i>Batillaria multiformis</i>	3		5										3		1	1	2				15
G	<i>Batillaria zonalis</i>			11			3		3		15		9	1	6		16	2	29			95
G	<i>Cellana toreuma</i>	2					1		3													6
G	<i>Cerithidea cingulata</i>			3	1									2		3					1	10
G	<i>Cerithidea djadjariensis</i>	1		11							4	4	2	2	2	2	5			2		35
G	<i>Cerithidea rhizophorarum</i>	1																				1
G	<i>Euchelus scaber</i>						1				4											5
G	<i>Littoraria articulata</i>	1																				1
G	<i>Lunella coronata</i>						4		5		1		2									12
G	<i>Monodonta labio</i>	7					1		4						1							13
G	<i>Nassarius festivus</i>									1							1					2
G	<i>Nassarius</i> sp.													1								1

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

Mar 2017 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>Nerita polita</i>	3						1														4
G	<i>Nipponacmea concinna</i>	4								2				1								7
P	Maldanidae spp.				1		1				1		3		2						1	9
P	Onuphidae spp.				1										1							2
P	Sabellidae spp.														1							1
Sp	<i>Sipunculus nudus</i>																1					1
																					<b>Total</b>	<b>326</b>

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

Mar 2017 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	
Bi	<i>Saccostrea cucullata</i>	1		12																		13
F	Gobiidae spp.							1														1
G	<i>Batillaria multiformis</i>							2		1		1										4
G	<i>Batillaria zonalis</i>			2		3		4		2		4		9		2						26
G	<i>Cerithidea cingulata</i>												1									1
G	<i>Cerithidea djadjariensis</i>			1			1					1		1								4
G	<i>Dentalium sinuosum</i>										1											1
G	<i>Lepidozona</i> sp.			1																		1
G	<i>Lunella coronata</i>			1																		1
G	<i>Nassarius festivus</i>			2																		2
G	<i>Nipponacmea concinna</i>			1																		1
Ne	Nemertea spp.																		1			1
P	Ampharetidae spp.								1													1
P	Maldanidae spp.					2		4		1				1							1	9
P	Onuphidae spp.					1					1											2
																					<b>Total</b>	<b>68</b>



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

Mar 2017 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>														3							3
Bi	<i>Circe</i> sp.							4		1												5
Bi	<i>Cyclina sinesis</i>															1					1	2
Bi	<i>Geloina erosa</i>													1		2					1	4
Bi	<i>Laternula anatina</i>									1											1	2
Bi	<i>Saccostrea cucullata</i>														3							3
G	<i>Batillaria multiformis</i>	2		122		239	6	144		16		1		12		22	2	6		15	1	588
G	<i>Batillaria zonalis</i>			1		3										1						5
G	<i>Cerithidea cingulata</i>	15			1	3		21	2	20	1	10		7		2		14		17	1	114
G	<i>Cerithidea djadjariensis</i>	125	4	1		11		49	4	44		39	2	57	5	69	2	72	1	108	2	595
G	<i>Cerithidea rhizophorarum</i>					1		2		2						1		3		4		13
G	<i>Clithon oualaniensis</i>							5										1				6
G	<i>Lunella coronata</i>																	1				1
G	<i>Monodonta labio</i>			2																		2
G	<i>Nassarius festivus</i>									1		2								1		4
Hc	<i>Pagurus dubius</i>				1																	1
P	Ampharetidae spp.										1					1						2
P	Maldanidae spp.		1								2		2									5
																					<b>Total</b>	<b>1355</b>

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

Mar 2017 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>Saccostrea cucullata</i>																				22	22
Bi	<i>Xenostrobus atratus</i>																				5	5
C	<i>Hemigrapsus penicillatus</i>																				1	1
C	<i>Uca</i> sp.					10		1	1													12
C	<i>Uca vocans</i>						1															1
G	<i>Batillaria multiformis</i>	11		18	1	26	3	15	3	1	1	2									138	219
G	<i>Batillaria zonalis</i>	25		8	1	9		6		17		8		1		2						77
G	<i>Cellana grata</i>																				1	1
G	<i>Cerithidea cingulata</i>	11		23	4	4		15		13	2	5		4	2	7		5			27	122
G	<i>Cerithidea djadjariensis</i>	81		117	5	85	1	122	1	57	6	39		16	1	47	2	74			17	671
G	<i>Cerithidea rhizophorarum</i>	2				1		5		4				3		1		1			2	19
G	<i>Littoraria articulata</i>																				1	1
G	<i>Lunella coronata</i>													1								1
G	<i>Monodonta labio</i>			1																	7	8
G	<i>Nassarius festivus</i>	2										1										3
G	<i>Philine vitrea</i>							1														1
P	Ampharetidae spp.		1													1						2
P	Maldanidae spp.														4		1					5
																					<b>Total</b>	<b>1171</b>

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

Mar 2017 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>									2								3		2		7
Bi	<i>Barbatia virescens</i>	13				15		3		1					3					1		36
Bi	<i>Hiatella arctica</i>	1		1				3														5
Bi	<i>Ruditapes philippinarum</i>	1																				1
Bi	<i>Saccostrea cucullata</i>	47		28		51		112		41		48		49		64		63		40		543
Bi	<i>Xenostrobus atratus</i>									1				3		4		11		1		20
C	<i>Hemigrapsus penicillatus</i>			1				1		1		2						1				6
C	<i>Macrophthalmus</i> sp.									1												1
C	<i>Metopograpsus latifrons</i>					1												1				2
C	<i>Nanosesarma minutum</i>	3		2		7		4				1		1		1		3				22
C	<i>Perisesarma</i> sp.											1						1				2
Cn	<i>Diadumene lineata</i>									1						2						3
Eh	<i>Echiura</i> spp.							2														2
G	<i>Batillaria multiformis</i>	10								1		1		2		3		2		5		24
G	<i>Batillaria zonalis</i>											1						2				3
G	<i>Cellana grata</i>											1		2		3		2		2		10
G	<i>Cellana toreuma</i>	12		6		7						2		7		9		21		12		76
G	<i>Euchelus scaber</i>	1								1												2
G	<i>Littoraria articulata</i>					1																1

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

Mar 2017 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>	22		13		13		11		15		6		3		4		11		9		107
G	<i>Monodonta labio</i>	38		68		62		34		5		14		46		21		65		26		379
G	<i>Nerita polita</i>	1		3				2		1		5		1		1		1		1		16
G	<i>Nipponacmea concinna</i>	1		4		3		1				5		4		4		5		7		34
G	<i>Patelloida pygmaea</i>	2		3																		5
G	<i>Thais luteostoma</i>			1																		1
Hc	<i>Pagurus dubius</i>	1																				1
Ne	Nemertea spp.									1												1
Sp	<i>Sipunculus nudus</i>			7												2		3				12
																					<b>Total</b>	<b>1322</b>

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

Mar 2017 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					5						1	7
Bi	<i>Barbatia virescens</i>									3					2							5
Bi	<i>Hiatella arctica</i>			1													2		1			4
Bi	<i>Saccostrea cucullata</i>	2		12		7		14		42		10		16		10		11		18		142
Bi	<i>Xenostrobus atratus</i>	1								1				1				2				5
C	<i>Hemigrapsus penicillatus</i>									1												1
C	<i>Nanosesarma minutum</i>			1						2												3
Cn	<i>Diadumene lineata</i>					2				1				2						1		6
G	<i>Batillaria bornii</i>			1				2		2		2		2		3		1		1		14
G	<i>Batillaria multiformis</i>	40		25		25		19		22		47		27		22		22		33		282
G	<i>Cellana grata</i>			4								1		1		3		3		2		14
G	<i>Cellana toreuma</i>			2		1				13		2		21		10		15		8		72
G	<i>Cerithidea cingulata</i>	1				1						2										4
G	<i>Cerithidea djadjariensis</i>			2		2						2		1				5				12
G	<i>Cerithidea rhizophorarum</i>																	2		1		3
G	<i>Clithon faba</i>	1		2																		3
G	<i>Clithon oualaniensis</i>	1						2								4						7
G	<i>Euchelus scaber</i>																	1				1
G	<i>Littoraria articulata</i>	7								1												8

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

Mar 2017 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>Lunella coronata</i>	2		1		7		3		6		8		7		15		6		7		62
G	<i>Monodonta labio</i>	15		32		7		15		23		18		20		10		13		11		164
G	<i>Nassarius festivus</i>											1										1
G	<i>Nerita polita</i>			1				1		1		1										4
G	<i>Nipponacmea concinna</i>					2				1				4						2		9
G	<i>Patelloida pygmaea</i>			1						1		1				3				2		8
Pl	Platyhelminthes spp.	1																				1
																					<b>Total</b>	<b>842</b>

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

Mar 2017 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>																1		1			2
Bi	<i>Barbatia virescens</i>	2						6		7				2		8		3		2		30
Bi	<i>Circe</i> sp.									2								3				5
Bi	<i>Hiatella arctica</i>	2				1								2		1		1				7
Bi	<i>Ruditapes philippinarum</i>							1		1												2
Bi	<i>Saccostrea cucullata</i>	61				14		24		15		36		58		25		53		23		309
Bi	<i>Xenostrobus atratus</i>	7																1				8
C	<i>Metopograpsus latifrons</i>							1														1
C	<i>Nanosesarma minutum</i>					3		4		3				4		1		2		2		19
Cn	<i>Diadumene lineata</i>											1		4								5
F	Gobiidae spp.							1														1
G	<i>Batillaria bornii</i>											7		1		2		3		3		16
G	<i>Batillaria multiformis</i>	26		2		2		13				1				6		5		4		59
G	<i>Batillaria zonalis</i>			4	1	6		12	1									2				26
G	<i>Cellana grata</i>	1								4		1		4		5		3		2		20
G	<i>Cellana toreuma</i>	2								4				6		1		3		8		24
G	<i>Cerithidea cingulata</i>									2			2	1								5
G	<i>Cerithidea djadjariensis</i>	2		1	10	6		6		4				2		5		4		1		41
G	<i>Cerithidea rhizophorarum</i>				1																	1

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

Mar 2017 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>Clithon faba</i>	1																				1
G	<i>Clithon oualaniensis</i>	1																1				2
G	<i>Euchelus scaber</i>	2						12		13		4		8		3		2		1		45
G	<i>Lepidozona</i> sp.									2								1				3
G	<i>Littoraria articulata</i>	2																				2
G	<i>Lunella coronata</i>	20		2		4		3		23		20		2		7		9		15		105
G	<i>Monodonta labio</i>	10						2		2		26		14		27		20		15		116
G	<i>Nassarius festivus</i>					1		1				2										4
G	<i>Nerita polita</i>	1						1				1				1				1		5
G	<i>Nipponacmea concinna</i>	1				2				4				8		1				1		17
G	<i>Patelloida pygmaea</i>							1				2		4		5		7		3		22
G	<i>Peasiella</i> spp.							1														1
Hc	<i>Pagurus dubius</i>															1						1
P	Onuphidae spp.																	1				1
S	<i>Alpheus</i> sp.							1														1
																					<b>Total</b>	<b>907</b>



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

Mar 2017 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>	4										1										5
Bi	<i>Circe</i> sp.																				1	1
Bi	<i>Hiatella arctica</i>					3																3
Bi	<i>Saccostrea cucullata</i>	16		14		25						22										77
Bi	<i>Xenostrobus atratus</i>	4				1																5
C	<i>Macrophthalmus</i> sp.															1						1
C	<i>Nanosesarma minutum</i>	1				3																4
Cn	<i>Diadumene lineata</i>					1																1
G	<i>Batillaria bornii</i>	1		3																		4
G	<i>Batillaria multiformis</i>	5		1						8		1										15
G	<i>Batillaria zonalis</i>	2		6						17		2			4					4		35
G	<i>Cellana grata</i>					2																2
G	<i>Cellana toreuma</i>			1		6																7
G	<i>Cerithidea cingulata</i>									1	1				2							4
G	<i>Cerithidea djadjariensis</i>	1		1		1				13	8	1										25
G	<i>Cerithidea rhizophorarum</i>									2												2
G	<i>Euchelus scaber</i>	1				1						1			1							4
G	<i>Lepidozona</i> sp.					1																1
G	<i>Lunella coronata</i>	5		7		20						8										40

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

Mar 2017 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>Monodonta labio</i>			2		10																12
G	<i>Nassarius festivus</i>			1								2							1			4
G	<i>Nipponacmea concinna</i>	1				7																8
P	Capitellidae spp.															1						1
P	Maldanidae spp.										1										1	2
P	Onuphidae spp.										1										1	2
																					<b>Total</b>	<b>265</b>

Key for faunal groups (Gp):

Ba: Barnacle, Bi: Bivalve, C: Crab, Cn: Cnidarin, Eh: Echiuran, F: Fish, G: Gastropod, Hc: Hermit crab, Ne: Nemertean, Ol: Oligochaete,

P: Polychaete, Pl: Platyhelminthes, Po: Polyplacophores, S: Shrimp, Sc: Scaphopods, Sp: Sipunculan