



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



broken bike and plastic waste



trash gill net

TC3



boat wreckage

ST



trash gill net and hand trolley



a tangled horseshoe crab on a trash net

(record in Jun. 2017)

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

TC1 *Carcinoscorpius rotundicauda*



TC1 *Tachypleus tridentatus*

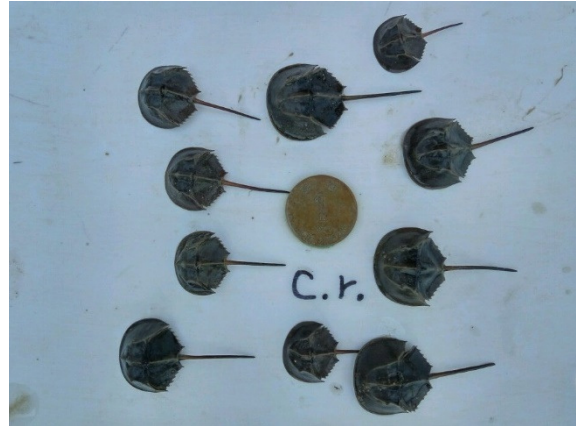


TC2 *Carcinoscorpius rotundicauda*



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

TC3 *Carcinoscorpius rotundicauda*



TC3 *Tachypleus tridentatus*



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

ST *Carcinoscorpius rotundicauda*



ST *Tachypleus tridentatus*



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

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

	TC1	TC2	TC3	ST
Search duration (hr)	2	2	3	3
<i>Carcinoscorpius rotundicauda</i>				
no. of individuals	18	1	72	39
mean prosomal width (mm)	30.91	37.85	35.02	50.18
max. prosomal width (mm)	47.55	\	80.27	78.00
min. prosomal width (mm)	19.99	\	13.30	19.87
Search record (ind. hr ⁻¹ person ⁻¹)	4.5	0.3	12.0	6.5
<i>Tachypleus tridentatus</i>				
no. of individuals	1	0	48	28
mean prosomal width (mm)	38.34	\	47.52	47.21
max. prosomal width (mm)	\	\	88.93	64.36
min. prosomal width (mm)	\	\	34.76	29.61
Search record (ind. hr ⁻¹ person ⁻¹)	0.3	0.0	8.0	4.7

Mar. 2015 - ST



Jun. 2017 – TC2



Female



Male

Figure 3.2. *Photographic records of mating pair of Carcinoscorpius rotundicauda*

Jun. 2017 - TC3



Figure 3.2 (Cont'd). *Photographic records of mating pair of Carcinoscorpius rotundicauda*

Jun. 2017



Sep. 2017



Figure 3.3. *Photographic records of large individuals (>100 mm) of *Carcinoscorpius rotundicauda* in ST whose records were excluded from data analysis.*

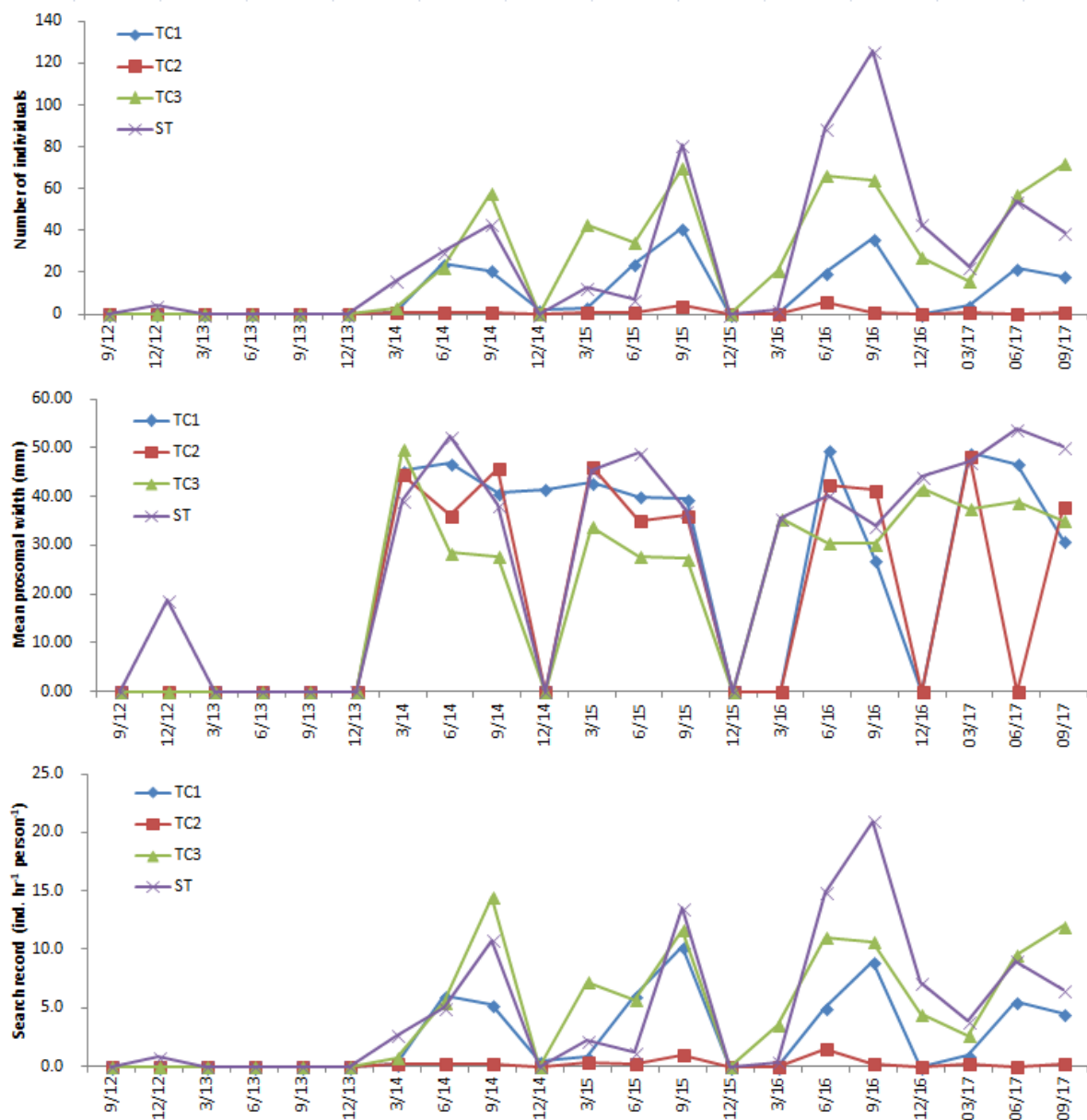


Figure 3.4. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Carcinoscorpius rotundicauda* in every sampling zone along the sampling months

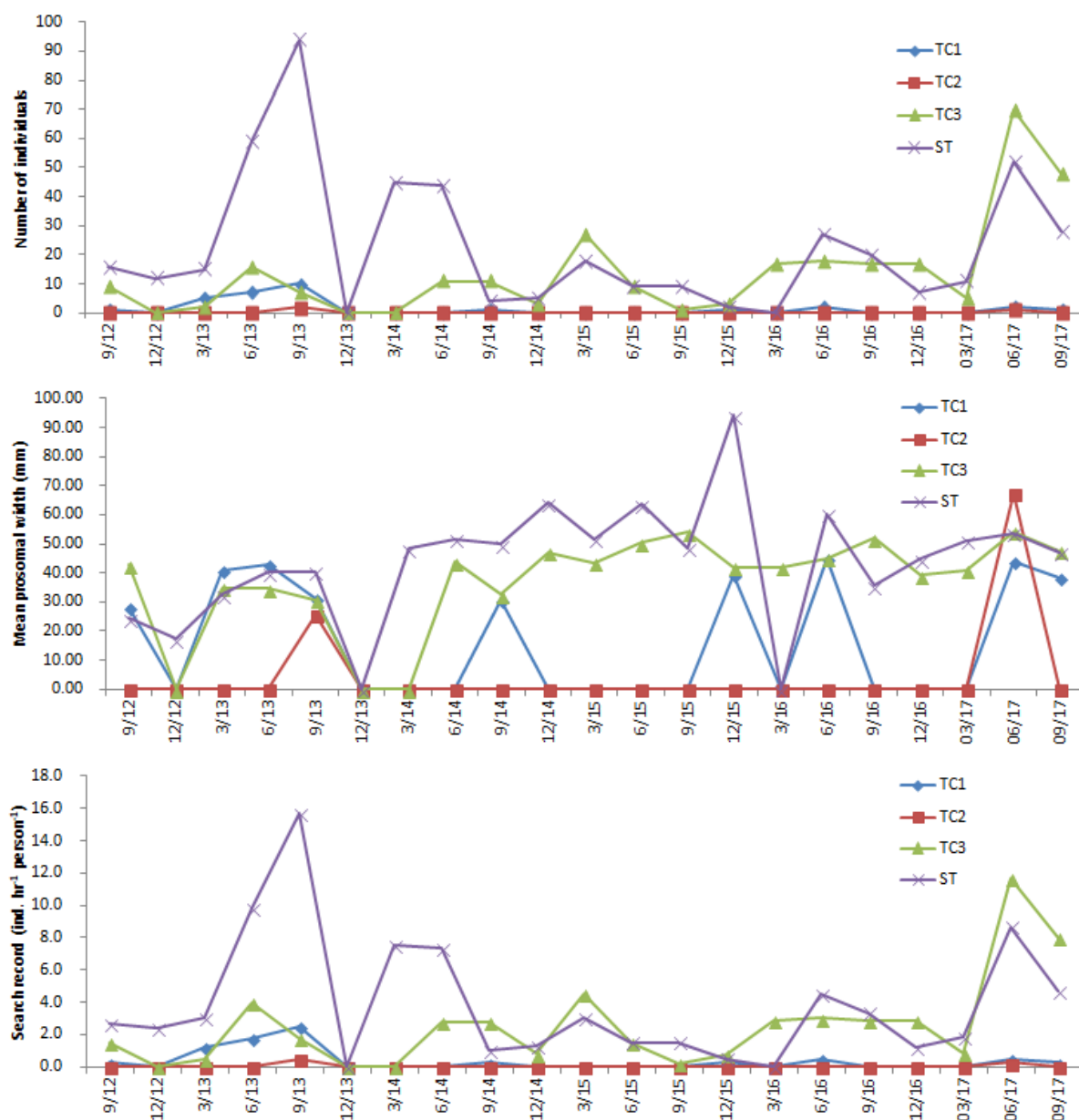


Figure 3.5. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* in every sampling zone along the sampling months

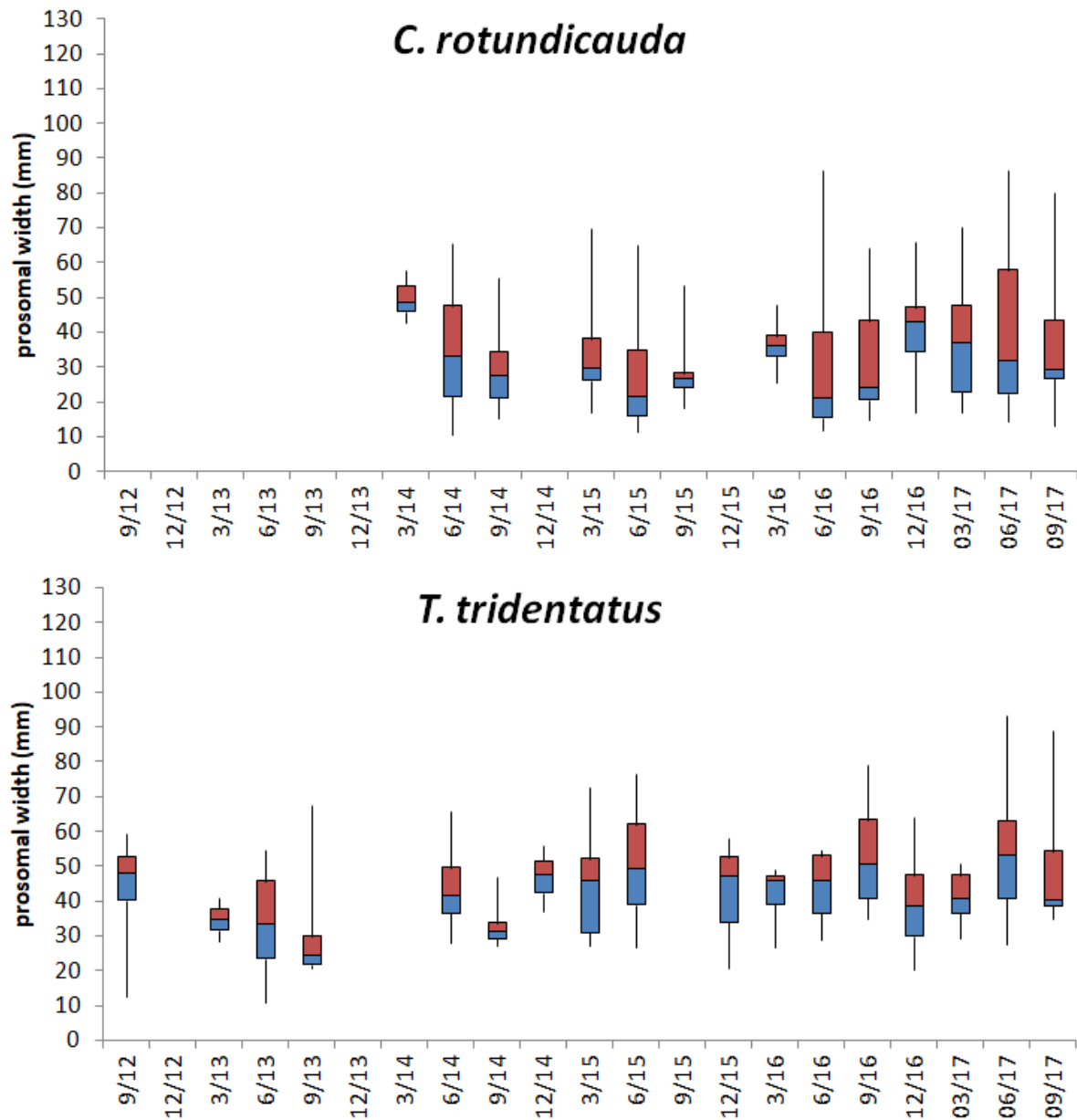


Figure 3.6. Box plot of prosomal width of horseshoe crab in the sampling zone TC3 along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively)

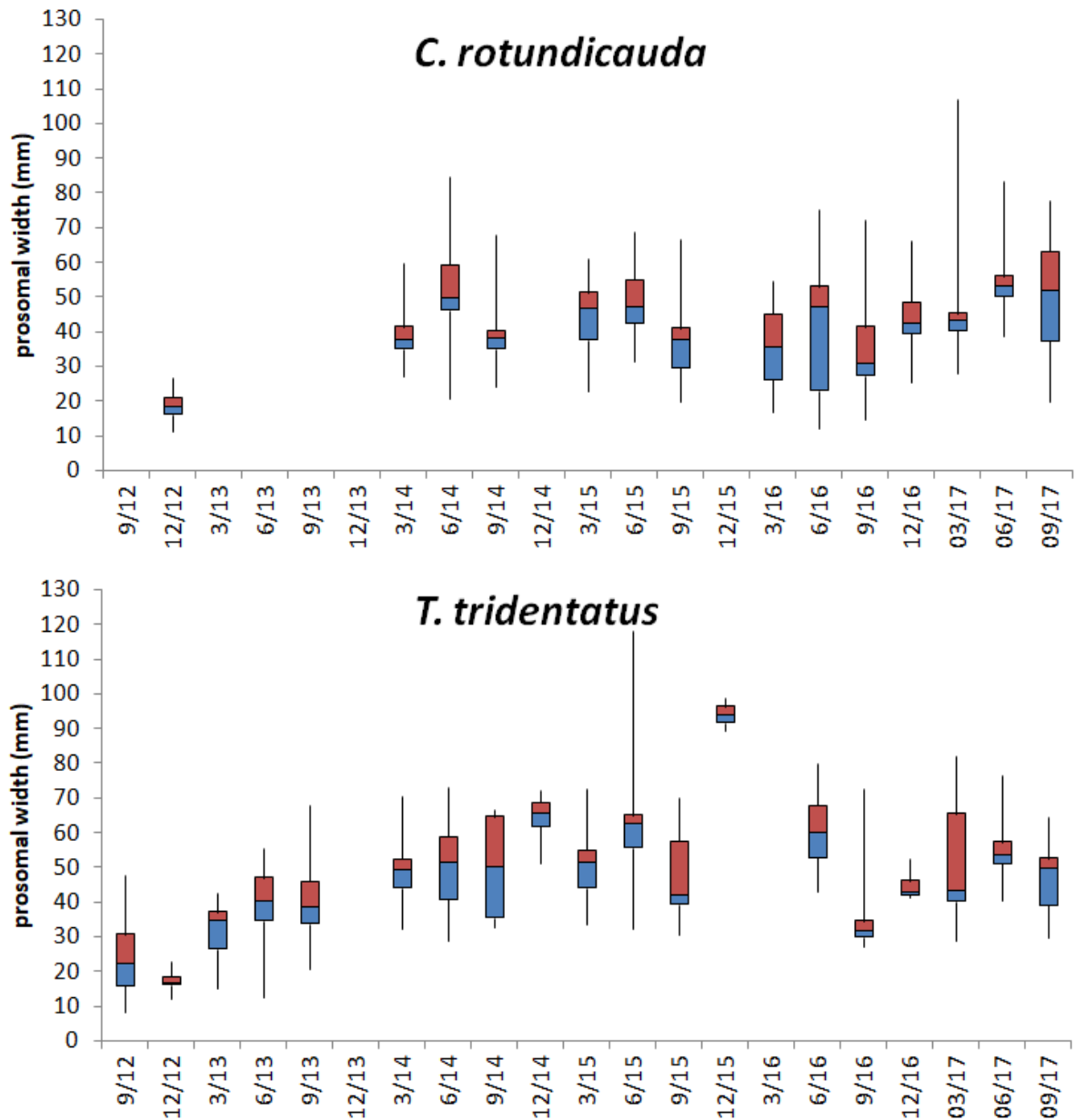


Figure 3.7. Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively.)

Re-exposed mudflat area between TC3 and ST where used to be an extensive patch of *Halophila ovalis*



Re-exposed mudflat area in ST where used to be co-existing patches of *Halophila ovalis* and *Zostera japonica*



Figure 3.8. Seagrass disappearance between TC3 and ST in present survey

TC3 *Halophila ovalis*



ST *Halophila ovalis*



ST *Zostera japonica*



Figure 3.9. Examples of photographic records of seagrass beds (record in Jun. 2017)

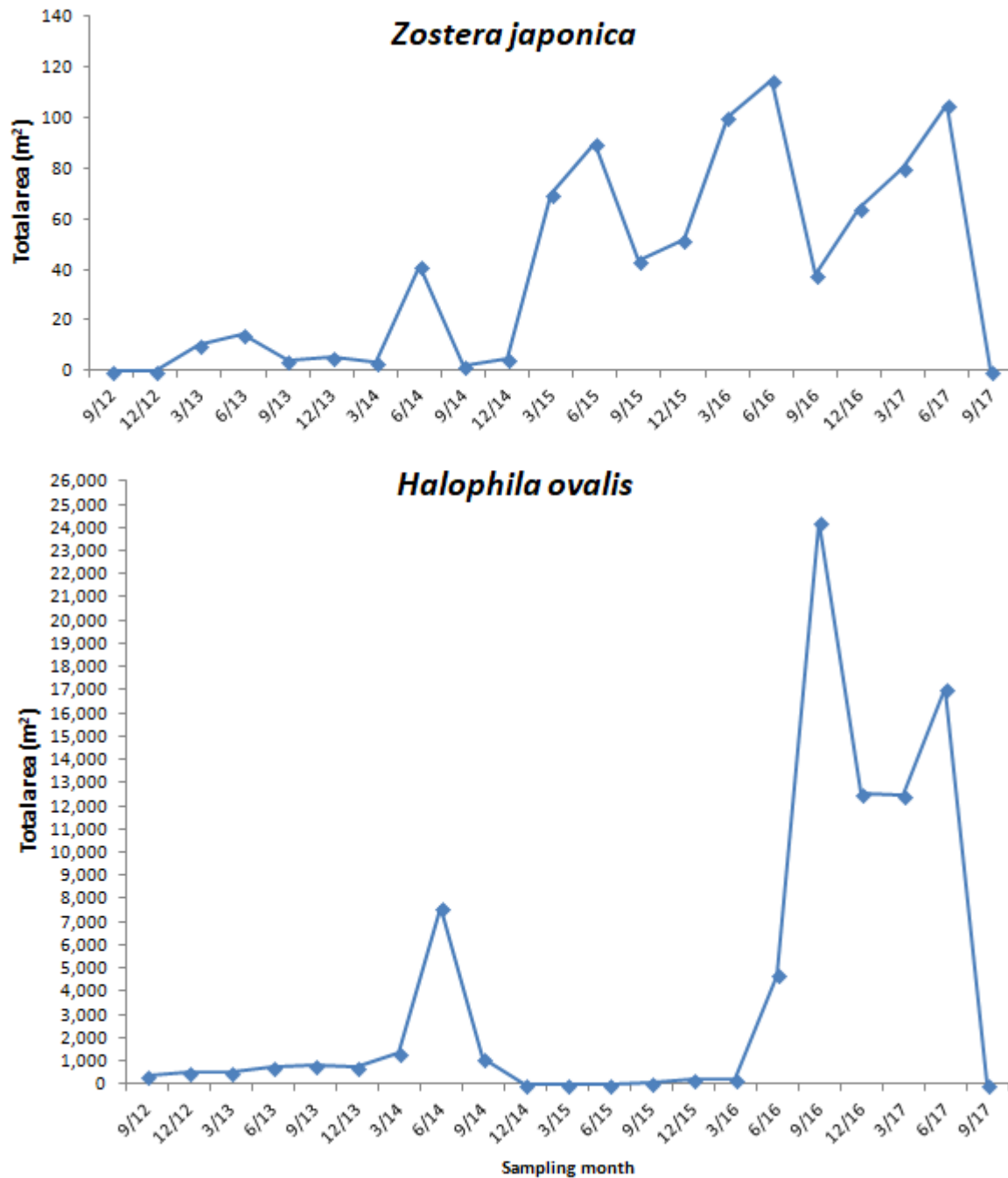


Figure 3.10. Temporal changes of estimated total area of seagrass beds in ST

Jun. 2014



Dec. 2014 (no seagrass)



Sep. 2015



Sep. 2016



Jun. 2017



Sep. 2017 (no seagrass)



Figure 3.11. *Comparison of pictures taken in different sampling months shows the disappearance, recolonization of seagrass beds and disappearance again*

Table 3.2. *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	40	40	20
	L	10	60	30
TC2	H	30	30	40
	M	30	20	50
	L	20		80
TC3	H		90	10
	M		70	30
	L	80	10	10
ST	H	100		
	M	100		
	L		40	60

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

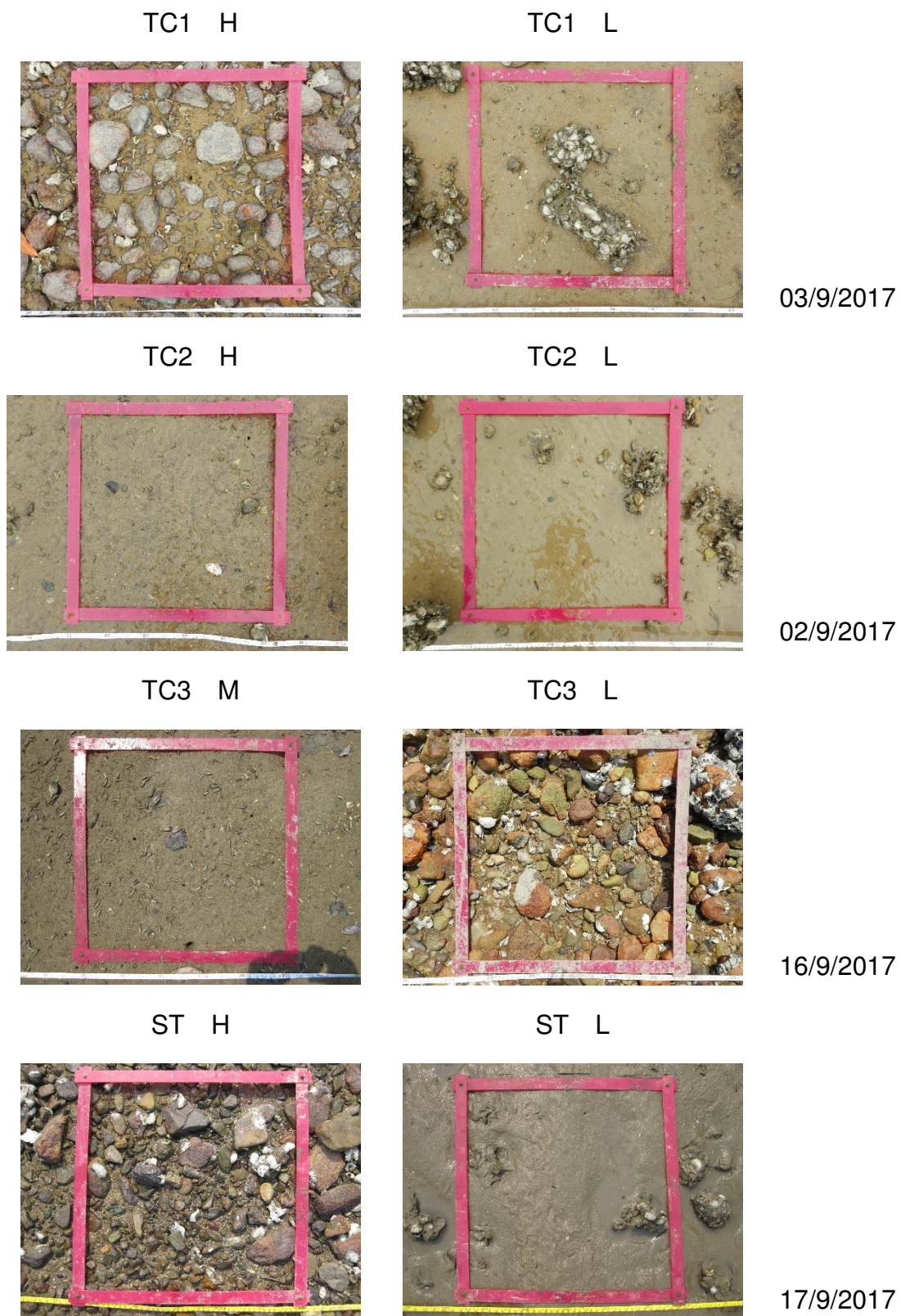


Figure 3.12. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.3. *Total abundance, density and number of taxon of every phylum*

Phylum	Total Abundance	%	Density (ind. m ⁻²)	Number of taxon
<u>Sep. 2017</u>				
Mollusca	11160	92.2	372	37
Arthropoda	803	6.6	27	14
Annelida	72	0.6	2	6
Sipuncula	37	0.3	1	1
Cnidaria	11	0.1	0	1
Nemertea	7	0.1	0	1
Chordata	3	0.0	0	2
Echinodermata	3	0.0	0	1
Echiura	3	0.0	0	1
Total	12099			

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

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

Table 3.4. *The number of individuals, relative abundance (percentage) and density of each phylum in every sampling zone*

Phylum	TC1	%	Density (ind. m ⁻²)	TC2	%	Density (ind. m ⁻²)	TC3	%	Density (ind. m ⁻²)	ST	%	Density (ind. m ⁻²)
Annelida	12	0.3	2	33	1.4	4	26	0.7	3	1	0.1	0
Arthropoda	402	10.0	54	154	6.4	21	140	3.7	19	107	5.8	14
Chordata				1	0.0	0				2	0.1	0
Cnidaria	6	0.1	1	1	0.0	0	1	0.0	0	3	0.2	0
Echinodermata	3	0.1	0									
Echiura							3	0.1	0			
Mollusca	3582	89.0	478	2220	91.9	296	3638	95.2	485	1720	93.6	229
Nemertea	5	0.1	1							2	0.1	0
Sipuncula	16	0.4	2	6	0.2	1	12	0.3	2	3	0.2	0
Sub-total	4026			2415			3820			1838		

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

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

Table 3.5. *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone TC1	Group	Species	Mean density (ind. m ⁻²)	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	337	63	63
	G	<i>Cerithidea djadjariensis</i>	84	16	78
	G	<i>Cerithidea cingulata</i>	62	11	90
Mid	G	<i>Cerithidea djadjariensis</i>	109	23	23
	Bi	<i>Saccostrea cucullata</i>	106	22	46
	G	<i>Monodonta labio</i>	81	17	63
	G	<i>Batillaria multiformis</i>	59	13	75
	G	<i>Cerithidea cingulata</i>	58	12	88
Low	Bi	<i>Saccostrea cucullata</i>	176	29	29
	Ba	<i>Balanus amphitrite</i>	115	19	49

Ba = Barnacle, Bi = Bivalve, G = Gastropod

Table 3.5 (Cont'd). *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone TC2	Group	Species	Mean density (ind. m ⁻²)	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Cerithidea djadjariensis</i>	172	40	40
	G	<i>Cerithidea cingulata</i>	89	21	61
	Bi	<i>Saccostrea cucullata</i>	56	13	74
Mid	G	<i>Cerithidea djadjariensis</i>	83	25	25
	G	<i>Batillaria zonalis</i>	63	19	44
	Bi	<i>Saccostrea cucullata</i>	61	18	63
Low	Bi	<i>Saccostrea cucullata</i>	62	29	29
	G	<i>Batillaria zonalis</i>	42	20	49
	G	<i>Cerithidea djadjariensis</i>	32	15	64

Bi = Bivalve, G = Gastropod

Table 3.5 (Cont'd). *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone TC3	Group	Species	Mean density (ind. m ⁻²)	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Cerithidea djadjariensis</i>	365	58	58
	G	<i>Cerithidea cingulata</i>	163	26	84
	G	<i>Batillaria multiformis</i>	73	12	95
Mid	G	<i>Cerithidea djadjariensis</i>	256	51	51
	G	<i>Cerithidea cingulata</i>	129	26	76
Low	Bi	<i>Saccostrea cucullata</i>	163	42	42
	G	<i>Monodonta labio</i>	126	32	74

Bi = Bivalve, G = Gastropod

Table 3.5 (Cont'd). *The abundant species (relative abundance >10%) in every sampling zone*

Sampling zone ST	Group	Species	Mean density (ind. m ⁻²)	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Batillaria multiformis</i>	56	24	24
	G	<i>Monodonta labio</i>	46	19	43
	Bi	<i>Saccostrea cucullata</i>	35	15	58
Mid	Bi	<i>Saccostrea cucullata</i>	117	33	33
	G	<i>Monodonta labio</i>	63	18	50
	G	<i>Lunella coronata</i>	46	13	63
	G	<i>Cerithidea djadjariensis</i>	41	12	75
Low	Bi	<i>Saccostrea cucullata</i>	28	20	20
	Ba	<i>Balanus amphitrite</i>	25	18	37
	G	<i>Cerithidea djadjariensis</i>	24	17	55
	G	<i>Batillaria zonalis</i>	14	10	64

Ba = Barnacle, Bi = Bivalve, G = Gastropod

Table 3.6. 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 ⁻²)	Mean species number across tidal levels	Mean density (ind. m ⁻²)	Mean density across tidal levels	Mean H'	Mean H' across tidal levels	Mean J	Mean J across tidal levels
TC1	H	7	10	539	537	1.0	1.4	0.6	0.6
	M	11		472		1.6		0.7	
	L	12		599		1.6		0.6	
TC2	H	9	10	426	322	1.4	1.5	0.6	0.7
	M	11		330		1.7		0.8	
	L	9		210		1.5		0.7	
TC3	H	5	7	630	509	0.9	1.1	0.6	0.6
	M	8		506		1.3		0.6	
	L	9		392		1.2		0.6	
ST	H	10	9	237	245	1.8	1.6	0.8	0.8
	M	12		358		1.9		0.8	
	L	7		141		1.2		0.7	

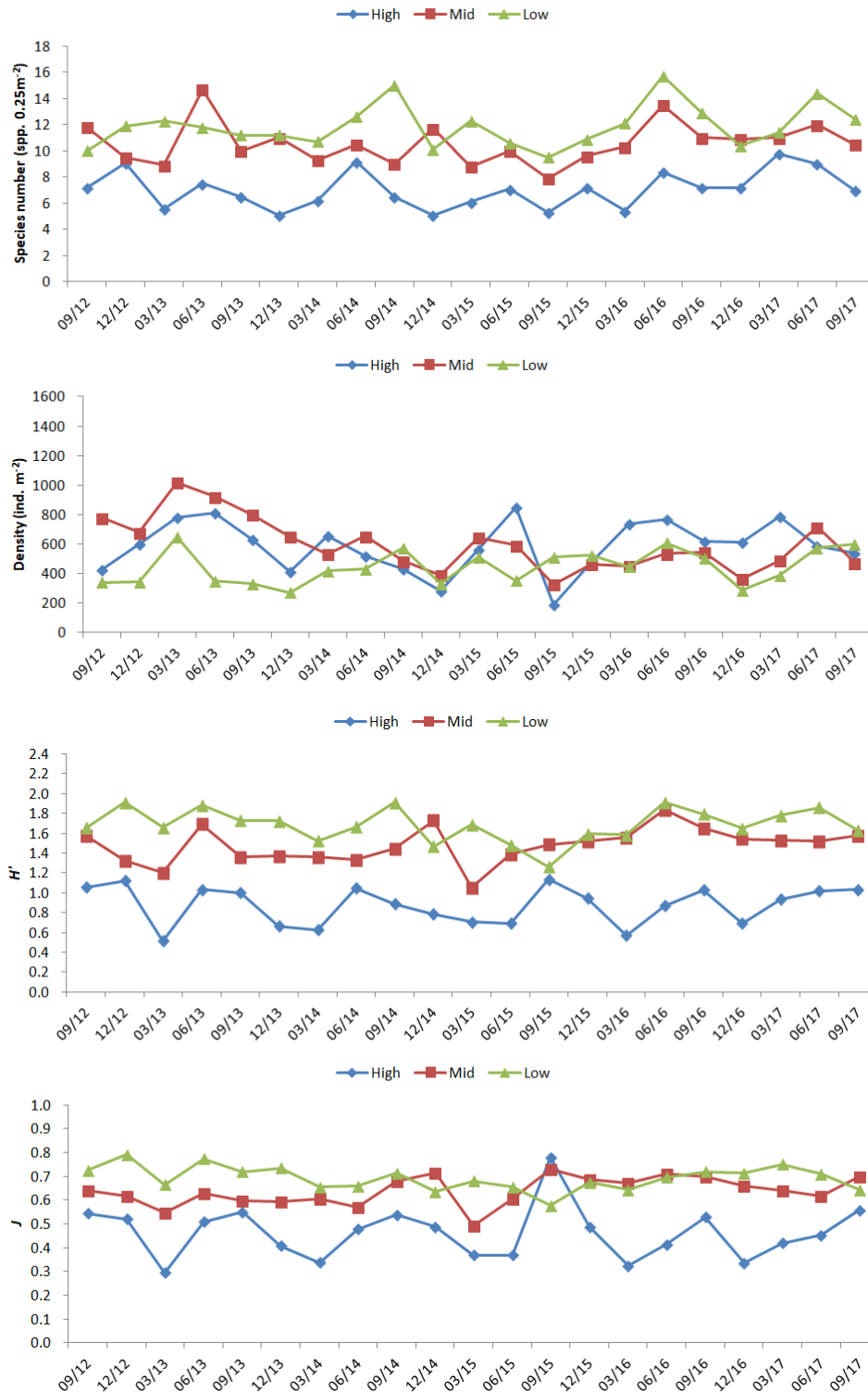


Figure 3.13. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1

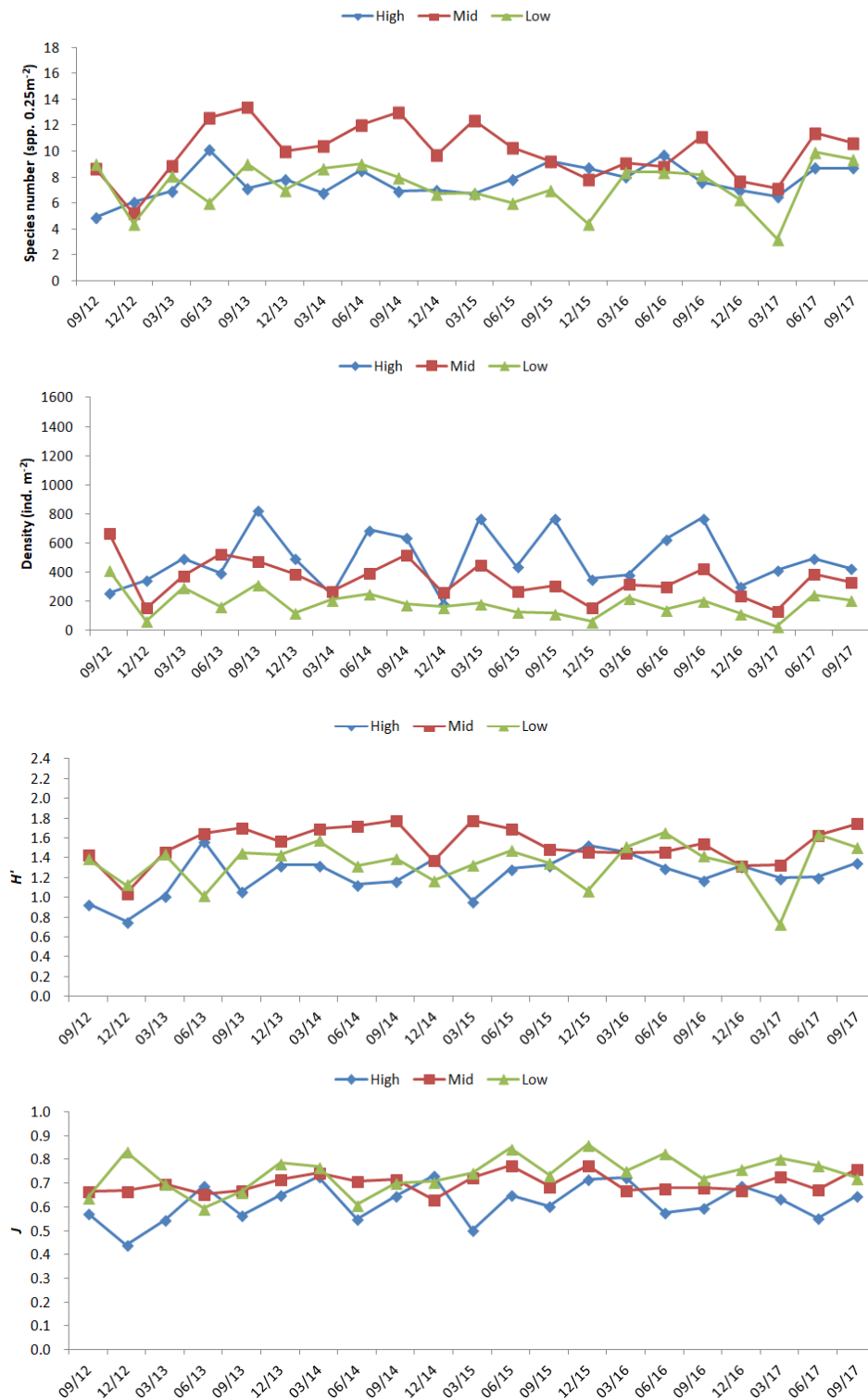


Figure 3.14. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2

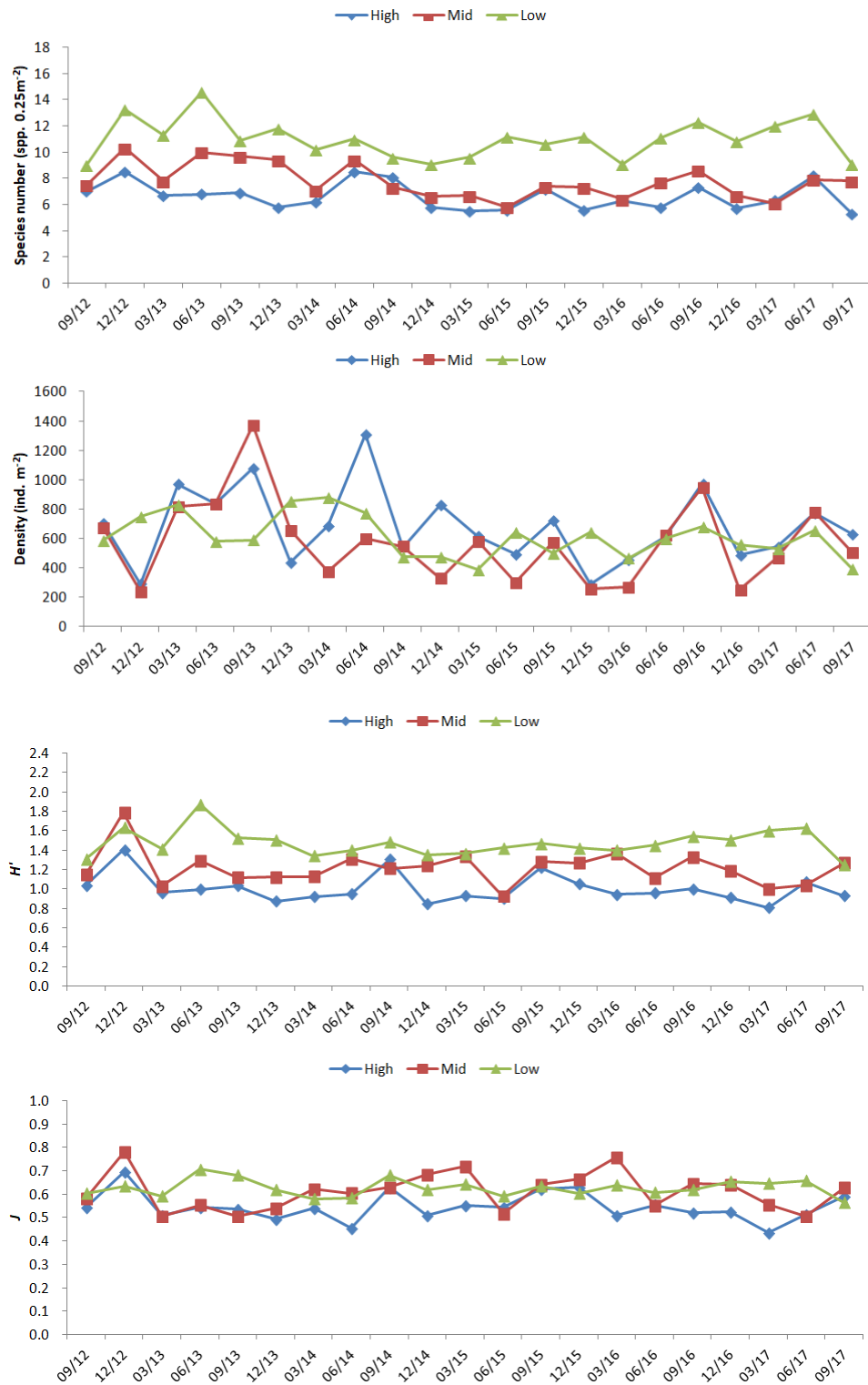


Figure 3.15. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3

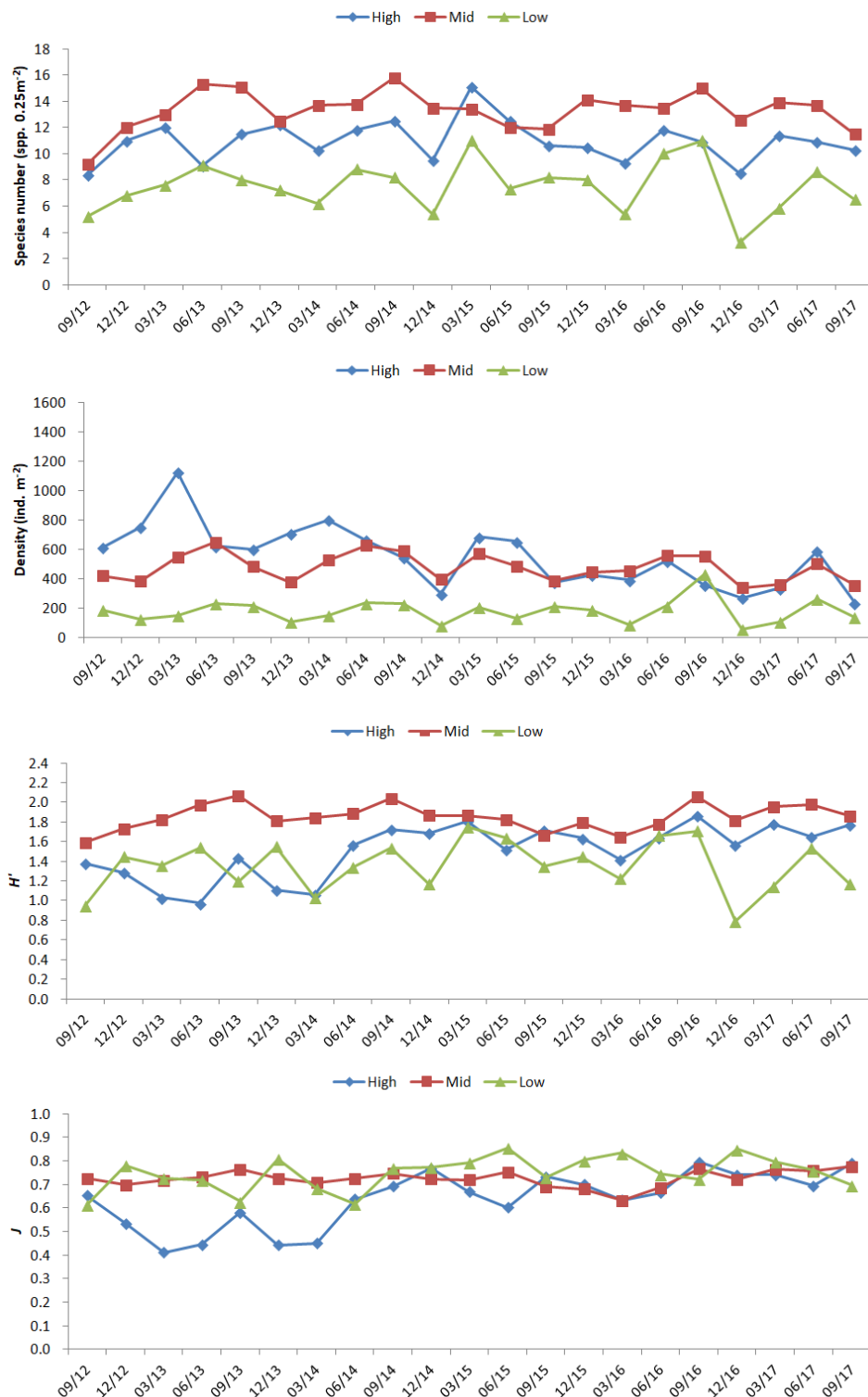


Figure 3.16. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone ST

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° 16.997' N	113° 55.981' E	20.70	26.73	30.66	31.89	37.78	
2	S	22° 17.008' N	113° 55.988' E	28.02	37.27	24.82			
3	S	22° 17.063' N	113° 56.061' E	22.21	26.03	30.77	36.59		
4	S	22° 17.065' N	113° 56.063' E	19.99	20.07				
5	M	22° 17.082' N	113° 56.050' E	35.90	47.55				
6	S	22° 17.030' N	113° 55.972' E	36.31	43.04				38.34
No. of ind.				18					1
<u>Sampling site TC2 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>					<i>Tachypleus tridentatus</i>
1	M	22° 16.887' N	113° 55.850' E	37.85					
No. of ind.				1					0

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

Underlined: size of mating pair (excluded from data analysis)

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)													
Sampling site TC3 (Search hour = 3 hrs)				<i>Carcinoscorpius rotundicauda</i>							<i>Tachypleus tridentatus</i>						
1	S	22° 17.017' N	113° 55.639' E	15.34	21.23	30.62	33.61	30.36	29.72	18.24	40.35	53.96	62.22				
				29.58	27.08	20.57	28.33	48.68	26.94	43.57							
				47.62	44.15	21.35											
2	S	22° 17.031' N	113° 55.637' E	65.29	43.63	27.85	29.01	39.90	13.30	28.89	42.17						
3	S	22° 17.066' N	113° 55.646' E	65.65	54.31	50.56	80.27	51.98	43.95	25.25	37.35	35.53	38.30	79.41	88.93	77.01	87.92
				74.83	28.58	29.11											
4	S	22° 17.052' N	113° 55.629' E	51.37	38.17	33.53	34.66	35.57	31.22	33.51	36.46	38.31	39.53	40.28	39.76	53.87	42.50
				53.33	48.47						71.79	44.51	37.05	55.53	39.33	41.59	40.96
											60.72	40.54	40.06	40.29			
5	S	22° 17.071' N	113° 55.616' E	38.54	54.71	37.98					39.10	65.44	38.67	38.76	65.80	41.85	39.79
											34.76	44.79	36.84	56.04	40.07		
6	S	22° 17.098' N	113° 55.584' E	35.01	28.90	68.20					39.88	41.90	57.11	39.87			
7	S	22° 16.968' N	113° 55.686' E	26.03	27.49												
8	S	22° 16.958' N	113° 55.704' E	27.04	27.67	29.25											

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>			
9	S	22° 16.955' N	113° 55.719' E	21.45	21.88	27.4	21.89	19.58	24.04	26.45				
				25.79	20.57	25.15								
10	S	22° 16.939' N	113° 55.733' E	32.16										
11	S	22° 17.001' N	113° 55.651' E	25.86	30.09	28.78					37.99	38.00	37.99	
12	S	22° 17.028' N	113° 55.659' E	27.33	56.02									
13	M	22° 16.962' N	113° 55.670' E	28.43	28.72									
No. of ind.				72								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

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

No.	Sub.	GPS coordinate		Record of prosomal width (mm)												
Sampling site ST (Search hour = 3 hrs)				<i>Carcinoscorpius rotundicauda</i>						<i>Tachypleus tridentatus</i>						
1	M	22° 17.105' N	113° 55.563' E	36.71	36.92	49.95	51.81	38.26		36.99	44.57					
2	M	22° 17.124' N	113° 55.536' E	36.49						36.56						
3	M	22° 17.149' N	113° 55.518' E	60.86	47.97	64.49	45.09	59.87		51.82	39.75	56.52	38.24	50.49	52.15	52.77
										52.64	36.82	44.57	41.10	49.95	49.19	
4	S	22° 17.185' N	113° 55.505' E	38.78	45.93	68.55	61.70	78.00	69.74	57.25	64.36	56.23	51.43	62.14	36.13	
				66.51	71.57	37.74	54.93									
5	S	22° 17.210' N	113° 55.509' E	65.29	68.90	34.57	75.47	44.22	52.29	53.47	50.86					
6	S	22° 17.197' N	113° 55.476' E	34.18	35.47	56.57	65.07									
7	S	22° 17.382' N	113° 55.464' E								49.46					
8	S	22° 17.389' N	113° 55.460' E	41.61							29.61	39.32	55.14			
9	S	22° 17.376' N	113° 55.470' E								38.49					
10	S	22° 17.383' N	113° 55.466' E								54.44					
11	S	22° 17.377' N	113° 55.484' E	52.01												
12	S	22° 17.292' N	113° 55.503' E	<u>160.47</u>												
13	S	22° 17.239' N	113° 55.495' E	20.86	19.87	21.21	36.70									
No. of ind.				40						28						

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

Underlined: size of mating pair (excluded from data analysis)

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

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

Estimated area (m²)	Estimated coverage (%)	GPS coordinate	Remark
TC1 (search hour = 2 hrs)			
No record			
TC2 (search hour = 2 hrs)			
No record			
TC3 (search hour = 3 hrs)			
No record			
ST (search hour = 3 hrs)			
No record			

Annex IV. 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	Phyllodocida	Polynoidae	Polynoidae 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	Leucosiidae	<i>Philyra carinata</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus erato</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca borealis</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca lactea</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Uca</i> sp.
Animalia	Arthropoda	Malacostraca	Decapoda	Paguridae	<i>Pagurus dubius</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Sesarmidae	<i>Nanosesarma minutum</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Varunidae	<i>Hemigrapsus penicillatus</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Xanthidae	<i>Etisus laevimanus</i>
Animalia	Arthropoda	Maxillopoda	Sessilia	Balanidae	<i>Balanus amphitrite</i>
Animalia	Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Omobranchus fasciolatoceps</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Periophthalmus cantonensis</i>
Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	<i>Diadumene lineata</i>
Animalia	Echinodermata	Holothuroidea			Sea cucumber spp.
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>Crassostrea ariakensis</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.

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

Kingdom	Phylum	Class	Order	Family	Species
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Cyclina sinensis</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Marcia japonica</i>
Animalia	Mollusca	Bivalvia	Veneroida	Veneridae	<i>Ruditapes philippinarum</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria bornii</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria multiformis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Batillariidae	<i>Batillaria zonalis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea cingulata</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea djarjariensis</i>
Animalia	Mollusca	Gastropoda	Caenogastropoda	Potamididae	<i>Cerithidea rhizophorarum</i>
Animalia	Mollusca	Gastropoda	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>Littoraria articulata</i>
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 hepaticus</i>
Animalia	Mollusca	Gastropoda	Neogastropoda	Nassariidae	<i>Nassarius</i> sp.
Animalia	Mollusca	Gastropoda	Systellommatophora	Onchidiidae	<i>Onchidium</i> sp.
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Nipponacmea concinna</i>
Animalia	Mollusca	Gastropoda		Lottiidae	<i>Patelloida pygmaea</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana grata</i>
Animalia	Mollusca	Gastropoda		Nacellidae	<i>Cellana toreuma</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Euchelus scaber</i>
Animalia	Mollusca	Gastropoda		Trochidae	<i>Monodonta labio</i>
Animalia	Mollusca	Gastropoda		Turbinidae	<i>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 V. List of recorded fauna of intertidal soft shore community survey in every sampling zone

Jun 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>Saccostrea cucullata</i>			3				2				7		3		1						16
Bi	<i>Xenostrobus atratus</i>											2										2
C	<i>Hemigrapsus penicillatus</i>													2								2
C	<i>Nanosesarma minutum</i>	7				2				1				2		1				1		14
C	<i>Uca lactea</i>																	3		2		5
G	<i>Batillaria multiformis</i>	4		1		9		12		68		254		354		121		12		8		843
G	<i>Cerithidea cingulata</i>	3		81				51		14						6						155
G	<i>Cerithidea djadjariensis</i>	16		28				70		42				18		31				6		211
G	<i>Cerithidea rhizophorarum</i>											1				1						2
G	<i>Clithon faba</i>			2								1		2		4						9
G	<i>Clithon oualaniensis</i>													4		7						11
G	<i>Littoraria articulata</i>	2								3		3		2		2		1				13
G	<i>Lunella coronata</i>							2														2
G	<i>Monodonta labio</i>	2		2		20		3		9		1										37
G	<i>Nipponacmea concinna</i>					1																1
G	<i>Onchidium</i> sp.	3																1				4
G	<i>Rissoina plicatula</i>											1		2		12						15
G	<i>Terebralia sulcata</i>	1																1				2
Ne	Nemertea spp.					1				1												2

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

Sep 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	
Ol	Marine oligochaete spp.	1																				1
S	<i>Alpheus brevicristatus</i>			1																		1
																					Total	1348

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

Sep 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>					2						1								1		4
Bi	<i>Barbatia virescens</i>											1		1		1						3
Bi	<i>Geloina erosa</i>																	1				1
Bi	<i>Hiatella arctica</i>					3		1				3		1								8
Bi	<i>Saccostrea cucullata</i>	13				44		24				39		55		50		15		25		265
Bi	<i>Xenostrobus atratus</i>							1				8		22		5				3		39
C	<i>Nanosesarma minutum</i>					1		1				7		1		3				1		14
C	<i>Uca lactea</i>																	1				1
Cn	<i>Diadumene lineata</i>													1								1
Ec	Sea cucumber spp.											2				1						3
G	<i>Batillaria bornii</i>					1																1
G	<i>Batillaria multiformis</i>	34		2				28				11		42		11		7		13		148
G	<i>Batillaria zonalis</i>			7		2																9
G	<i>Cellana grata</i>																	1				1
G	<i>Cellana toreuma</i>					1		2				2				1						6
G	<i>Cerithidea cingulata</i>	24		58		44		5		6						1		4		4		146
G	<i>Cerithidea djadjariensis</i>	42		31		41		57		25		15		1				34		27		273
G	<i>Cerithidea rhizophorarum</i>											1								3		4
G	<i>Clithon faba</i>																	1		2		3

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

Sep 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>Clithon oualaniensis</i>																	1				1
G	<i>Lepidozона sp.</i>											2										2
G	<i>Littoraria articulata</i>	2						1				4		1		6				3		17
G	<i>Lunella coronata</i>	1		1		3		3												3		11
G	<i>Monodonta labio</i>	18		10		18		16				52		24		47		12		5		202
G	<i>Nerita polita</i>																	1				1
G	<i>Nipponacmea concinna</i>											1				1						2
G	<i>Patelloida pygmaea</i>					3																3
G	<i>Rissoina plicatula</i>																	1				1
Ne	Nemertea spp.					2		1														3
P	Maldanidae spp.										4											4
P	Nereididae spp.													1								1
Sp	<i>Sipunculus nudus</i>			1		1										1						3
																					Total	1181

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

Sep 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>	5		41		11		13				60		41		18		59		40		288
Bi	<i>Barbatia virescens</i>	10		7		8		45								11		33		14		128
Bi	<i>Hiatella arctica</i>	4												1				1		3		9
Bi	<i>Ruditapes philippinarum</i>													2								2
Bi	<i>Saccostrea cucullata</i>	23		63		76		153				3		9		57		31		26		441
Bi	<i>Xenostrobus atratus</i>	11		5		39		7				1		6		18		13		46		146
C	<i>Etisus laevimanus</i>																			1		1
C	<i>Hemigrapsus penicillatus</i>															2						2
C	<i>Nanosesarma minutum</i>	17		3		8		5				2				8		12		12		67
Cn	<i>Diadumene lineata</i>													1		2		1		1		5
G	<i>Batillaria bornii</i>			1										5								6
G	<i>Batillaria multiformis</i>	5		1	3	1				2				1								13
G	<i>Batillaria zonalis</i>			6	1	34	1	4		53		5	1	2		8						115
G	<i>Cellana toreuma</i>	1						5										4		1		11
G	<i>Cerithidea cingulata</i>	1		2	2																	5
G	<i>Cerithidea djadjariensis</i>	5		7								1										13
G	<i>Clithon faba</i>																	1				1
G	<i>Euchelus scaber</i>			3		1												2		7		13
G	<i>Lepidozona</i> sp.																	1		2		3

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

Sep 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>Littoraria articulata</i>																	1				1
G	<i>Lunella coronata</i>	2		11		6		12				1		3		5		11		8		59
G	<i>Monodonta labio</i>	68		8		2		13						4		9		11		10		125
G	<i>Nassarius festivus</i>													1								1
G	<i>Nassarius</i> sp.											1										1
G	<i>Nerita polita</i>	2		1		1		2														6
G	<i>Nipponacmea concinna</i>	4												1				4				9
G	<i>Patelloida pygmaea</i>	3																				3
G	<i>Thais luteostoma</i>																			1		1
Hc	<i>Clibanarius</i> sp.													1				1				2
Hc	<i>Pagurus dubius</i>											1										1
P	Maldanidae spp.				1						1		1									3
P	Nereididae spp.				1																	1
P	Onuphidae spp.										1		1									2
Sp	<i>Sipunculus nudus</i>	5		7																1		13
																					Total	1497

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

Sep 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				8		5				5		8								27
Bi	<i>Barbatia virescens</i>					1																1
Bi	<i>Geloina erosa</i>															1						1
Bi	<i>Hiatella arctica</i>					1		1														2
Bi	<i>Saccostrea cucullata</i>	2				94		37						7		1						141
Bi	<i>Xenostrobus atratus</i>					5																5
C	<i>Hemigrapsus penicillatus</i>	5																				5
C	<i>Uca borealis</i>											7		4		4		2		1		18
C	<i>Uca lactea</i>			5														1				6
G	<i>Batillaria multiformis</i>	8				1				1	1	1	1	1	1	3		2		4		24
G	<i>Batillaria zonalis</i>							2		2		1		10	1	4		3	4	18	5	50
G	<i>Cerithidea cingulata</i>		1	7		2		11		62	2	25	1	26	1	30	3	24	7	15	6	223
G	<i>Cerithidea djadjariensis</i>	12	2	51		22		70		111	7	46	6	27	3	26	4	14	10	17	1	429
G	<i>Cerithidea rhizophorarum</i>	6		7		1		4		10	1											29
G	<i>Littoraria articulata</i>					1		2														3
G	<i>Lunella coronata</i>					4												1		1		6
G	<i>Monodonta labio</i>	41				26		1		1				1				1				71
G	<i>Nassarius festivus</i>																			1		1
G	<i>Nerita polita</i>					1																1

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

Sep 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	
G	<i>Patelloida pygmaea</i>					2																2
G	<i>Terebralia sulcata</i>					1																1
Hc	<i>Clibanarius</i> sp.					4																4
Hc	<i>Pagurus dubius</i>					6																6
P	Ampharetidae spp.										3				1						1	5
P	Maldanidae spp.										1										1	2
Sp	<i>Sipunculus nudus</i>					1		1														2
																					Total	1065

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

Sep 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>					1		6		4		6				2				2		21
Bi	<i>Barbatia virescens</i>	1								1		1										3
Bi	<i>Hiatella arctica</i>							3		3										3		9
Bi	<i>Ruditapes philippinarum</i>																			1		1
Bi	<i>Saccostrea cucullata</i>	31				2		40		36		8		4		5		6		20		152
Bi	<i>Xenostrobus atratus</i>	10								4						2				1		17
C	<i>Nanosesarma minutum</i>	1						5		1		3				1				2		13
C	<i>Uca borealis</i>	10		4												3		2				19
G	<i>Batillaria bornii</i>							1														1
G	<i>Batillaria multiformis</i>	1		2		3					1			1						5		13
G	<i>Batillaria zonalis</i>			7		14					11	36		23		6	1	13	2	43	1	157
G	<i>Cellana toreuma</i>									1						1						2
G	<i>Cerithidea cingulata</i>	1		5		8		10		10				6				27		11	1	79
G	<i>Cerithidea djadjariensis</i>			8		40		25		17		8		22	2	1		61	1	21	1	207
G	<i>Cerithidea rhizophorarum</i>					2				2				3				7		1		15
G	<i>Lepidozona</i> sp.									2												2
G	<i>Littoraria articulata</i>	1																				1
G	<i>Lunella coronata</i>							5		2	1	2				2				3	1	16
G	<i>Monodonta labio</i>	7						12		35						2				3		59

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

Sep 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>Nassarius festivus</i>											1		2				1				4
G	<i>Nerita polita</i>							1		1												2
G	<i>Patelloida pygmaea</i>	2						11		1						3				1		18
P	Ampharetidae spp.						1						2						1			4
P	Maldanidae spp.						4						1		1				2			8
P	Onuphidae spp.												1									1
Sp	<i>Sipunculus nudus</i>	1																				1
																					Total	825

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

Sep 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	
Ba	<i>Balanus amphitrite</i>	4		7										4		7		2		3		27
Bi	<i>Barbatia virescens</i>	1												2								3
Bi	<i>Hiatella arctica</i>	4												1		2		4				11
Bi	<i>Laternula anatina</i>																		1			1
Bi	<i>Marcia japonica</i>																			1		1
Bi	<i>Saccostrea cucullata</i>	67		27						1				27		20		11		1		154
Bi	<i>Xenostrobus atratus</i>	19														6						25
C	<i>Hemigrapsus penicillatus</i>															1						1
C	<i>Nanosesarma minutum</i>													3		1		1				5
C	<i>Uca borealis</i>									1								1				2
Cn	<i>Diadumene lineata</i>	1																				1
F	<i>Periopthalmus cantonensis</i>					1																1
G	<i>Batillaria bornii</i>													1								1
G	<i>Batillaria multiformis</i>	1						1						1		1						4
G	<i>Batillaria zonalis</i>			1	1	11		6		1		4		6		24		19	2	27	2	104
G	<i>Cerithidea cingulata</i>				1			1				4		9		6						21
G	<i>Cerithidea djadjariensis</i>	1			1			3				35		14		19		1		3	3	80
G	<i>Cerithidea rhizophorarum</i>															2						2
G	<i>Euchelus scaber</i>													4		1		1				6

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

Sep 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	
G	<i>Lepidozона sp.</i>	1												1								2
G	<i>Lunella coronata</i>	4		2		2								4		4		3				19
G	<i>Monodonta labio</i>	8		7										3		1						19
G	<i>Nassarius festivus</i>															1						1
G	<i>Nerita polita</i>	1												1				1				3
G	<i>Nipponacmea concinna</i>															1						1
G	<i>Patelloida pygmaea</i>	2		3										4		2		1				12
G	<i>Thais luteostoma</i>																	2				2
P	Maldanidae spp.						2		4	2			3									11
P	Onuphidae spp.						1						1									2
Sp	<i>Sipunculus nudus</i>	1		1													1					3
																					Total	525

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

Sep 2017 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

		1		2		3		4		5		6		7		8		9		10		
Gp	Taxon	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	sub-total
Bi	<i>Circe</i> sp.		4										1				3					8
Bi	<i>Cyclina sinesis</i>																			1		1
Bi	<i>Geloina erosa</i>													2								2
Bi	<i>Saccostrea cucullata</i>			2		5																7
C	<i>Uca lactea</i>											3		18			3			4		28
G	<i>Batillaria multiformis</i>			3		39	5	17		100		1								10	7	182
G	<i>Batillaria zonalis</i>			1																		1
G	<i>Cerithidea cingulata</i>	43		78		47		58		70	1	22		26		11	1	14	2	32	2	407
G	<i>Cerithidea djadjariensis</i>	98		121		74		122		69	1	92		116		46		88		85		912
G	<i>Cerithidea rhizophorarum</i>	4		2								1		4						4		15
G	<i>Clithon faba</i>	1																				1
G	<i>Clithon oualaniensis</i>	1								1		2										4
G	<i>Monodonta labio</i>															1						1
P	Ampharetidae spp.																		1		1	2
P	Maldanidae spp.												1						1			2
P	Nereididae spp.		1																			1
Total																						1574

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

Sep 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	
Ba	<i>Balanus amphitrite</i>															2		1				3
Bi	<i>Barbatia virescens</i>																	2				2
Bi	<i>Saccostrea cucullata</i>					2										46		8		11		67
Bi	<i>Xenostrobus atratus</i>															1		1		2		4
C	<i>Macrophthalmus erato</i>															1						1
C	<i>Nanosesarma minutum</i>																	1				1
C	<i>Uca lactea</i>	9		14		24		16						8		7		8				86
C	<i>Uca</i> sp.				1			1														2
G	<i>Batillaria multiformis</i>	3		1		3		1	2	4		2				2		2		32		52
G	<i>Batillaria zonalis</i>	2		1		1		4		5	1	6	1	1				1				23
G	<i>Cerithidea cingulata</i>	81		45		35		23	1	20		19		7		17		50		25		323
G	<i>Cerithidea djadjaris</i>	97		66		80		80		69	1	31		42		76		74		25		641
G	<i>Cerithidea rhizophorarum</i>	6				3				5		1		2		2						19
G	<i>Clithon faba</i>			1																		1
G	<i>Clithon oualaniensis</i>									3												3
G	<i>Lunella coronata</i>																	1		2		3
G	<i>Monodonta labio</i>																			13		13
G	<i>Nassarius hepaticus</i>								1													1
G	<i>Nipponacmea concinna</i>															1		1		2		4

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

Sep 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	
Hc	<i>Diogenes</i> sp.											1										1
P	Maldanidae spp.							2		5			8									15
Sp	<i>Sipunculus nudus</i>															1						1
																					Total	1266

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

Sep 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						4		6
Bi	<i>Barbatia virescens</i>											1				2		5				8
Bi	<i>Hiatella arctica</i>			1														4		3		8
Bi	<i>Saccostrea cucullata</i>	49		58		26		66		50		12		40		34		51		22		408
Bi	<i>Xenostrobus atratus</i>													4				8		12		24
C	<i>Etisus laevimanus</i>	1																				1
C	<i>Hemigrapsus penicillatus</i>									1		1		1				2				5
C	<i>Metopograpsus latifrons</i>			1																		1
C	<i>Nanosesarma minutum</i>	1																		3		4
C	<i>Uca lactea</i>					1																1
Cn	<i>Diadumene lineata</i>															1						1
Eh	<i>Echiura</i> spp.											2						1				3
G	<i>Batillaria bornii</i>																			1		1
G	<i>Batillaria multiformis</i>	1				1						2						1				5
G	<i>Batillaria zonalis</i>							8														8
G	<i>Cellana grata</i>											10		4		1						15
G	<i>Cellana toreuma</i>					1																1
G	<i>Cerithidea cingulata</i>	6						5												41		52
G	<i>Cerithidea djadjariensis</i>	2						4		3										11		20

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

Sep 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>Cerithidea rhizophorarum</i>	1						4										1				6
G	<i>Littoraria articulata</i>					1										2		1				4
G	<i>Lunella coronata</i>	7		1				4		1		2		2		1		12		5		35
G	<i>Monodonta labio</i>	52		17				4		3		38		54		59		61		26		314
G	<i>Nerita polita</i>											5		1				2				8
G	<i>Nipponacmea concinna</i>											2		4		2		11		2		21
G	<i>Patelloida pygmaea</i>															1				2		3
P	Maldanidae spp.									2						1						3
P	Nereididae spp.																	1				1
P	Polynoidae spp.			1												1						2
Sp	<i>Sipunculus nudus</i>									2								9				11
																					Total	980

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

Sep 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	
Bi	<i>Geloina erosa</i>									1												1
Bi	<i>Hiatella arctica</i>									2								1		3		6
Bi	<i>Ruditapes philippinarum</i>			1																		1
Bi	<i>Saccostrea cucullata</i>	5		3		7		5		19		5		3		6		8		27		88
Bi	<i>Xenostrobus atratus</i>									1								1				2
C	<i>Nanosesarma minutum</i>	3		1						1								1				6
C	<i>Philyra carinata</i>																			1		1
Cn	<i>Diadumene lineata</i>																	1		1		2
G	<i>Batillaria bornii</i>			1				1		1		2		2		1		1		1		10
G	<i>Batillaria multiformis</i>	11		2		2		8		21		2		33		32		15		15		141
G	<i>Cellana grata</i>																	4		6		10
G	<i>Cellana toreuma</i>					1				2		6								1		10
G	<i>Cerithidea cingulata</i>									2		3		21		30				1		57
G	<i>Cerithidea djadjariensis</i>									5		4		9		19		6				43
G	<i>Cerithidea rhizophorarum</i>											2		12		8		1				23
G	<i>Clithon faba</i>			2		5						1		3		2		1		1		15
G	<i>Clithon oualaniensis</i>			1		2		4										1				8
G	<i>Euchelus scaber</i>											1						1				2
G	<i>Lepidozona</i> sp.									3		1										4

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

Sep 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>			1		1				4		13		3		1		2		9		34
G	<i>Monodonta labio</i>	16		10		26		1		21		16		2		1		15		7		115
G	<i>Nerita polita</i>					2		2		2								2				8
G	<i>Nipponacmea concinna</i>																			2		2
G	<i>Patelloida pygmaea</i>											1										1
Hc	<i>Pagurus dubius</i>			1																		1
Ne	Nemertea spp.																	1				1
																					Total	592

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

Sep 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	
Bi	<i>Barbatia virescens</i>							2		3		1		2		14						22
Bi	<i>Hiatella arctica</i>	3						2		1		3				7				2		18
Bi	<i>Saccostrea cucullata</i>	32		9		46		17		14		37		21		59		13		45		293
Bi	<i>Xenostrobus atratus</i>	6		1				3		1		1										12
C	<i>Hemigrapsus penicillatus</i>															2				1		3
C	<i>Nanosesarma minutum</i>	4		1						1		11		2								19
C	<i>Philyra carinata</i>	1								1												2
Cn	<i>Diadumene lineata</i>					1																1
G	<i>Batillaria bornii</i>			1						1		1		2								5
G	<i>Batillaria multiformis</i>	1		4				1				5				1						12
G	<i>Batillaria zonalis</i>	2		1		4																7
G	<i>Cellana grata</i>					2		1								6				6		15
G	<i>Cellana toreuma</i>	5		5						3		4		2						2		21
G	<i>Cerithidea cingulata</i>	6		1				17		7		8		5		2		7		1		54
G	<i>Cerithidea djadjariensis</i>	16		12		20		27		4		4		2		4		9		5		103
G	<i>Cerithidea rhizophorarum</i>			4		1		1						1						2		9
G	<i>Clithon faba</i>			1																		1
G	<i>Euchelus scaber</i>					1		1		4												6
G	<i>Lunella coronata</i>	11		9		12		5		17		14		12		24		5		7		116

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

Sep 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>Monodonta labio</i>	12		4		3		5		25		32		21		35		4		16		157
G	<i>Nerita polita</i>									4		1								2		7
G	<i>Nipponacmea concinna</i>							1								3				3		7
Hc	<i>Pagurus dubius</i>									1												1
Ne	Nemertea spp.																	1				1
Sp	<i>Sipunculus nudus</i>																			2		2
																					Total	894

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

Sep 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>					14						1		15				32				62
Bi	<i>Barbatia virescens</i>	1												9								10
Bi	<i>Circe</i> sp.						1								1				1			3
Bi	<i>Crassostrea ariakensis</i>													1								1
Bi	<i>Hiatella arctica</i>	1		1														1				3
Bi	<i>Ruditapes philippinarum</i>			1																		1
Bi	<i>Saccostrea cucullata</i>	3		27										24				15				69
Bi	<i>Xenostrobus atratus</i>	2												6								8
C	<i>Nanosesarma minutum</i>					1								4				3				8
F	<i>Omobranchus fasciolatoceps</i>													2								2
G	<i>Batillaria bornii</i>	3		2																		5
G	<i>Batillaria multiformis</i>						1	3								2						6
G	<i>Batillaria zonalis</i>	3				10	1	15		2						3		1				35
G	<i>Cerithidea cingulata</i>	4		17						1								2		2		26
G	<i>Cerithidea djadjariensis</i>	22		38												1						61
G	<i>Cerithidea rhizophorarum</i>	5		1																		6
G	<i>Dentalium sinuosum</i>								1				1									2
G	<i>Euchelus scaber</i>			7										1								8
G	<i>Lunella coronata</i>	7		11										3		1						22

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

Sep 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		1																		3
G	<i>Nassarius</i> sp.			1																		1
G	<i>Nipponacmea concinna</i>	2																				2
G	<i>Patelloida pygmaea</i>			1																		1
G	<i>Terebralia sulcata</i>									1												1
Hc	<i>Clibanarius</i> sp.	1		1																		2
Hc	<i>Diogenes</i> sp.	1		1																		2
P	Maldanidae spp.													1								1
Sp	<i>Sipunculus nudus</i>													1								1
																					Total	352

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