

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



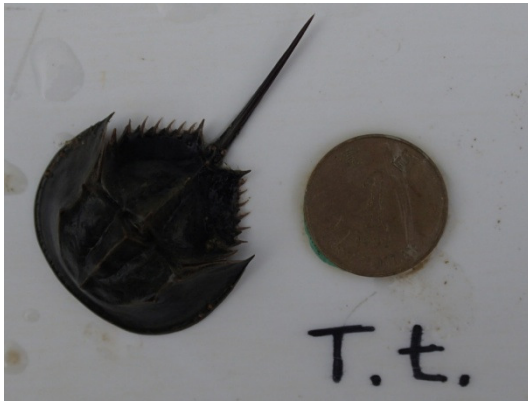
ST



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

TC1 *Tachypleus tridentatus*

Newly hatched, unidentified individual



TC3 *Carcinoscorpius rotundicauda*

Tachypleus tridentatus



ST *Carcinoscorpius rotundicauda*

Tachypleus tridentatus



Figure 3.1. Examples of photographic records of horseshoe crab *Carcinoscorpius rotundicauda* and *Tachypleus tridentatus* (Dec. 2015)

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

	TC1 *	TC2	TC3	ST
Search duration (hr)	2	2	2	2
<i>Carcinoscorpius rotundicauda</i>				
no. of individuals			1	1
mean prosomal width (mm)			178.17	117.37
max. prosomal width (mm)	N.A.	N.A.	\	\
min. prosomal width (mm)			\	\
Search record (ind. hr ⁻¹ person ⁻¹)			0.3	0.3
<i>Tachypleus tridentatus</i>				
no. of individuals	1		3	2
mean prosomal width (mm)	39.30		41.98	94.08
max. prosomal width (mm)	\	N.A.	58.23	98.89
min. prosomal width (mm)	\		20.70	89.27
Search record (ind. hr ⁻¹ person ⁻¹)	0.3		0.8	0.5

* One newly hatched horseshoe crab was too small to be identified in TC1, which was excluded from the summary of survey results.



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

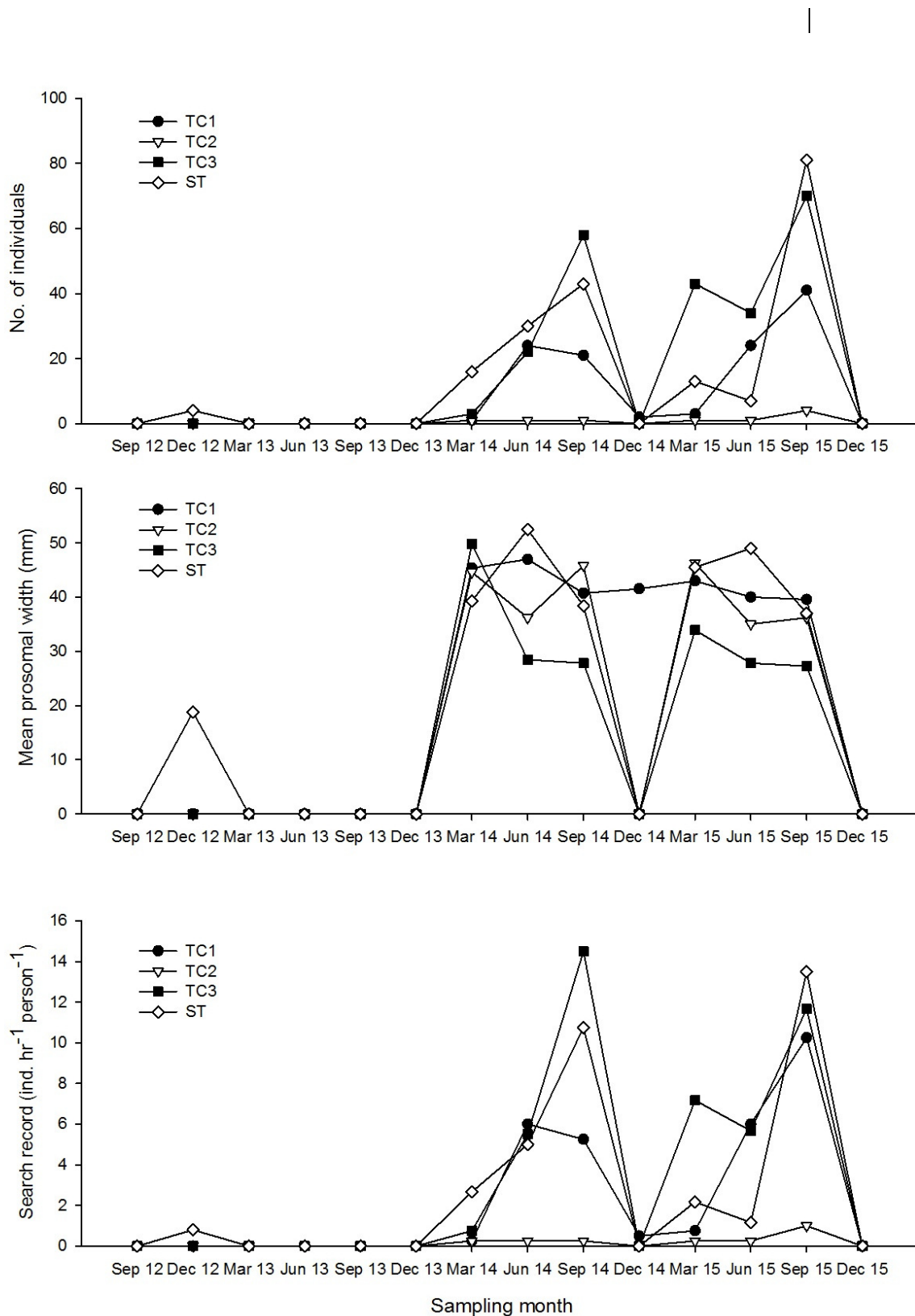


Figure 3.3. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Carcinoscorpius rotundicauda* in every sampling zone along the sampling months

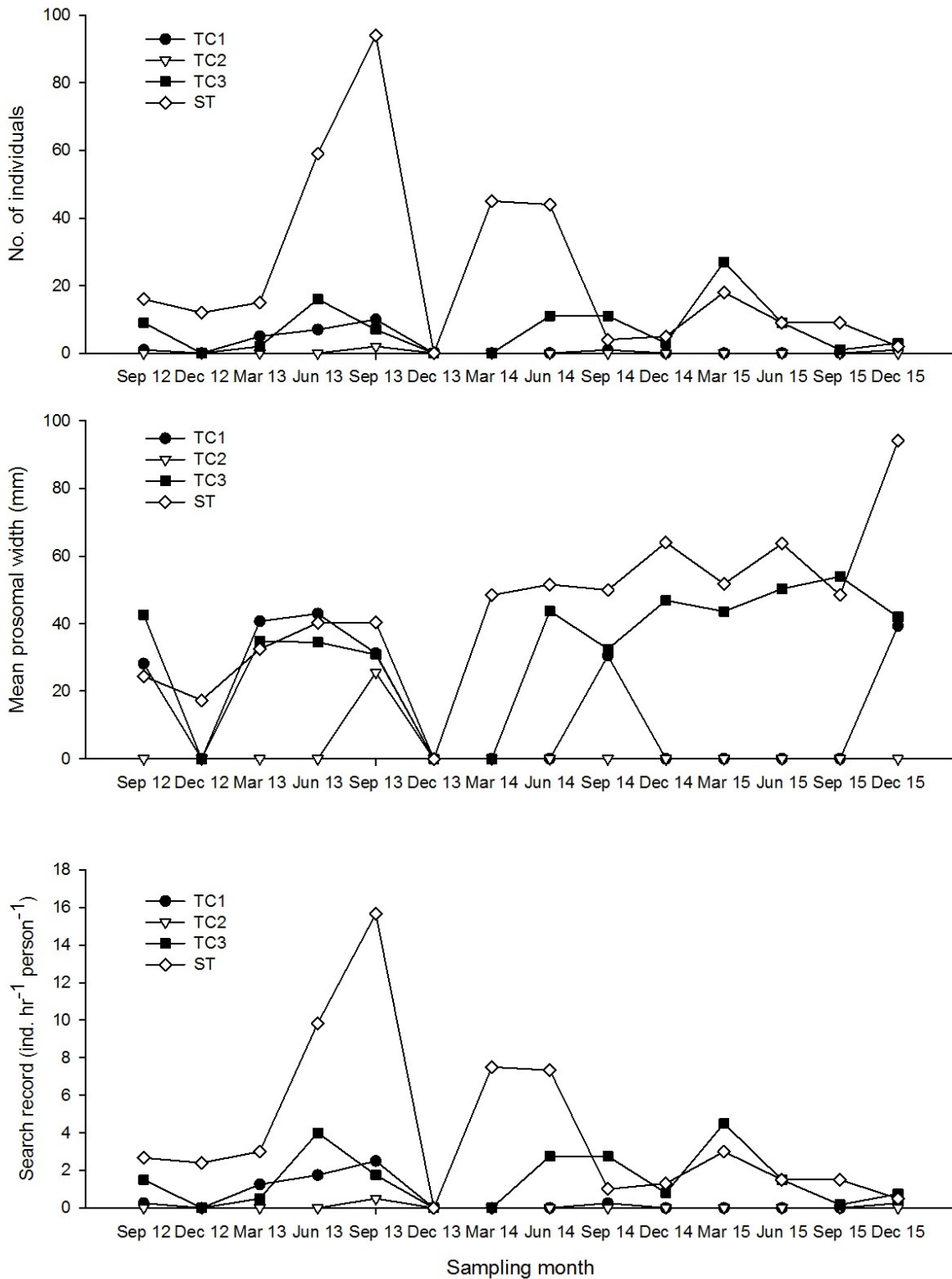


Figure 3.4. Changes of number of individuals, mean prosomal width and search record of horseshoe crab *Tachypleus tridentatus* in every sampling zone along the sampling months

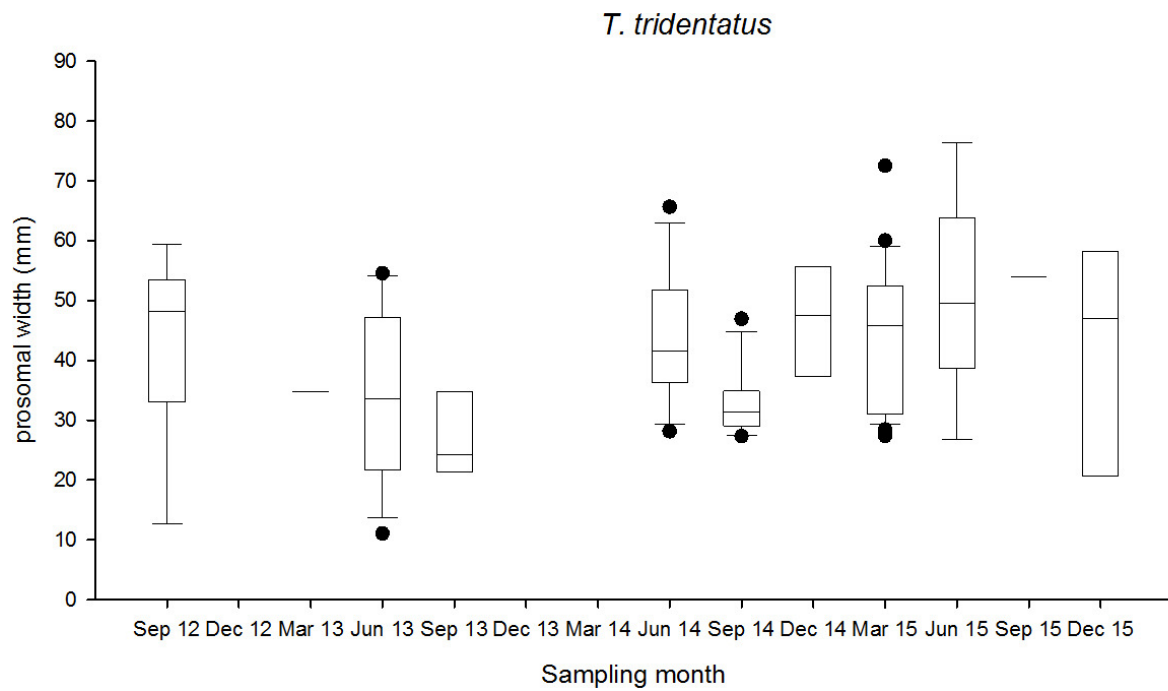
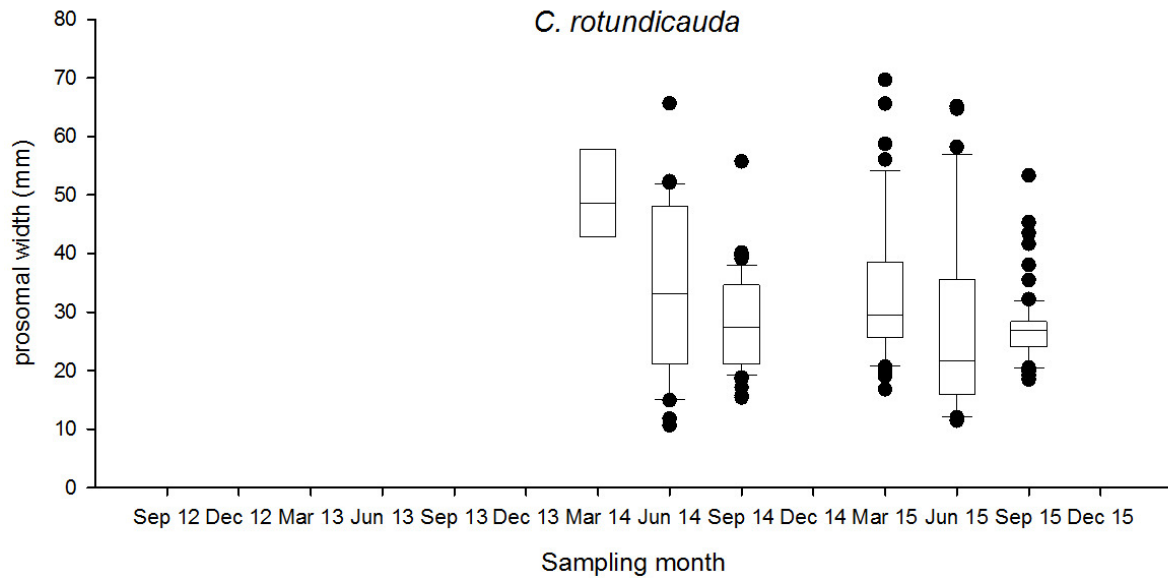


Figure 3.5. Box plot of prosomal width of horseshoe crab in the sampling zone TC3 along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and below the lower quartile respectively. The black circle dots showed the data of outlier.)

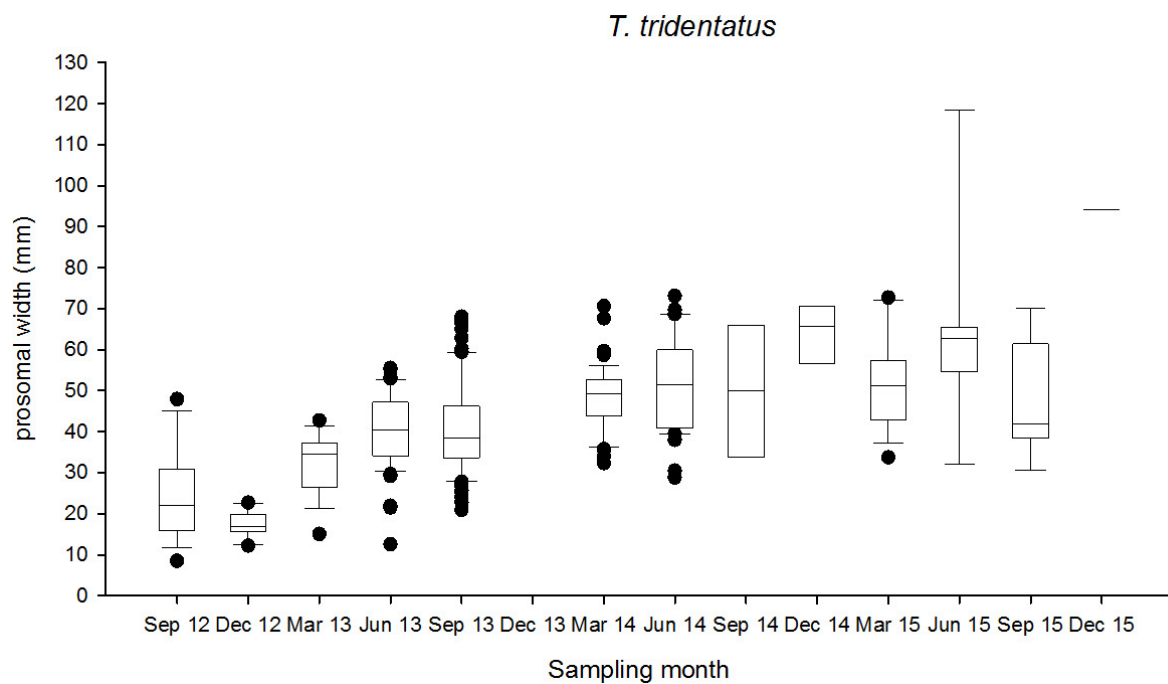
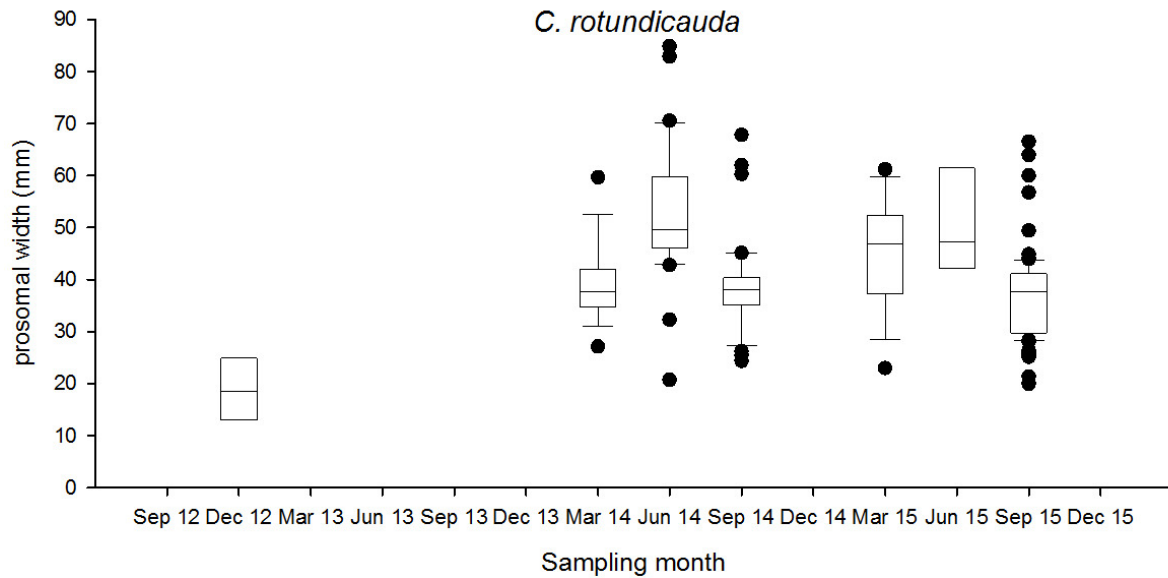
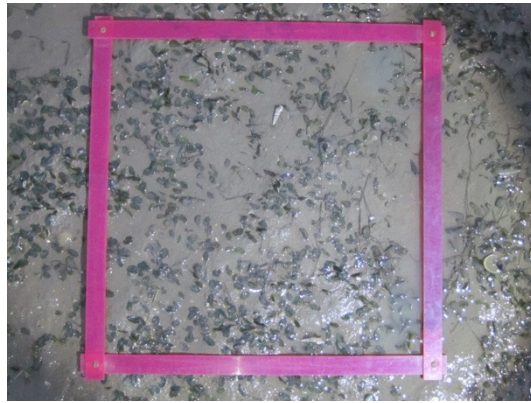


Figure 3.6. Box plot of prosomal width of horseshoe crab in the sampling zone ST along the sampling months. (The box represents 50% of the sample (upper to lower quartile) with a middle line showing the median value. The upper whisker and lower whisker showed the 25% of sample above upper quartile and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

TC3 *Halophila ovalis*



ST *Halophila ovalis*



ST *Zostera japonica*



Figure 3.7. Examples of photographic records of seagrass beds survey (Dec. 2015)

Table 3.2. Summary of seagrass beds survey

Sampling zone	TC3	ST	
	<i>Halophila ovalis</i>	<i>Halophila ovalis</i>	<i>Zostera japonica</i>
Number of patches	2	6	1
Total area (m²)	19.8	206.2	51.8
Average area (m²)	9.9	34.4	\

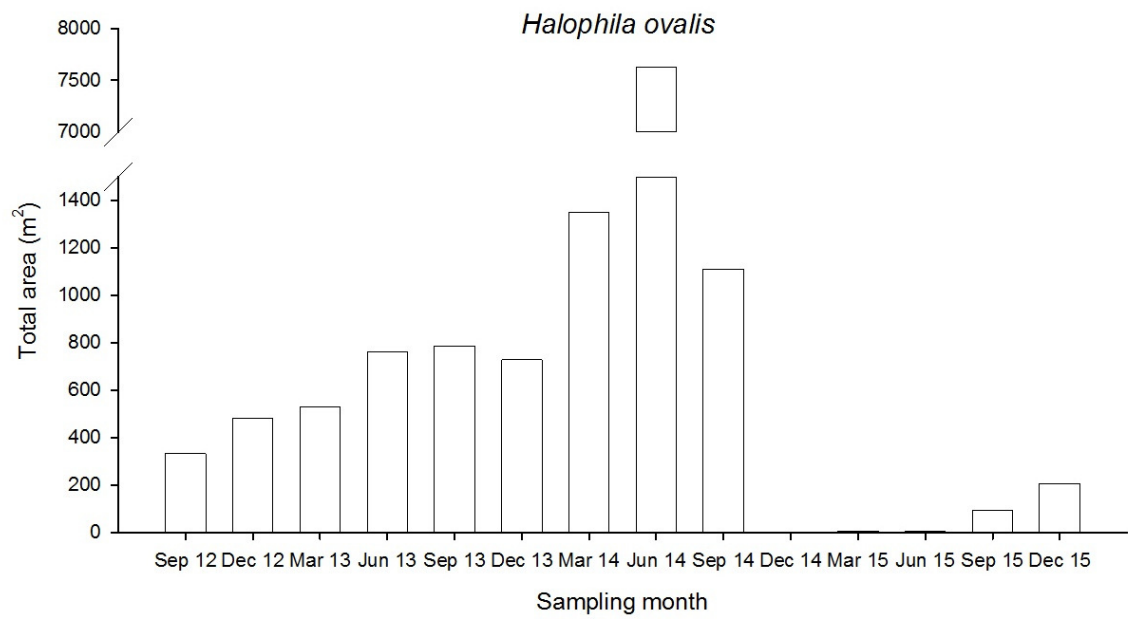
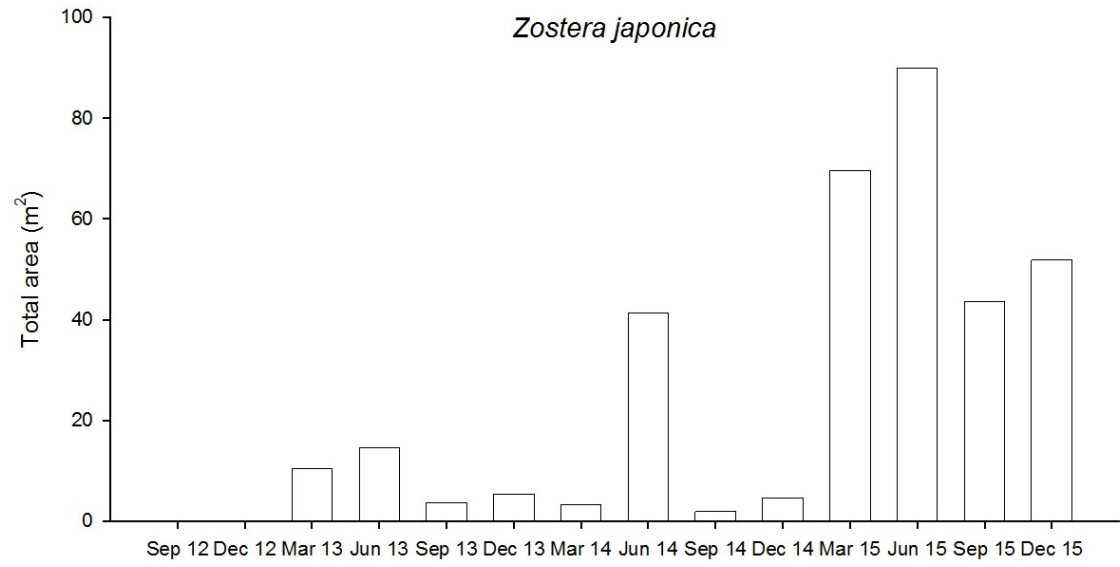


Figure 3.8. Temporal changes of estimated total area of seagrass beds in ST

Jun. 2014



Dec. 2014



Mar. 2015



Jun. 2015



Sep. 2015



Dec. 2015



Figure 3.9. *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	100		
	L	80	20	
TC2	H	10	60	30
	M		80	20
	L		20	80
TC3	H		80	20
	M	10	50	40
	L	100		
ST	H	100		
	M	100		
	L	50	30	20

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

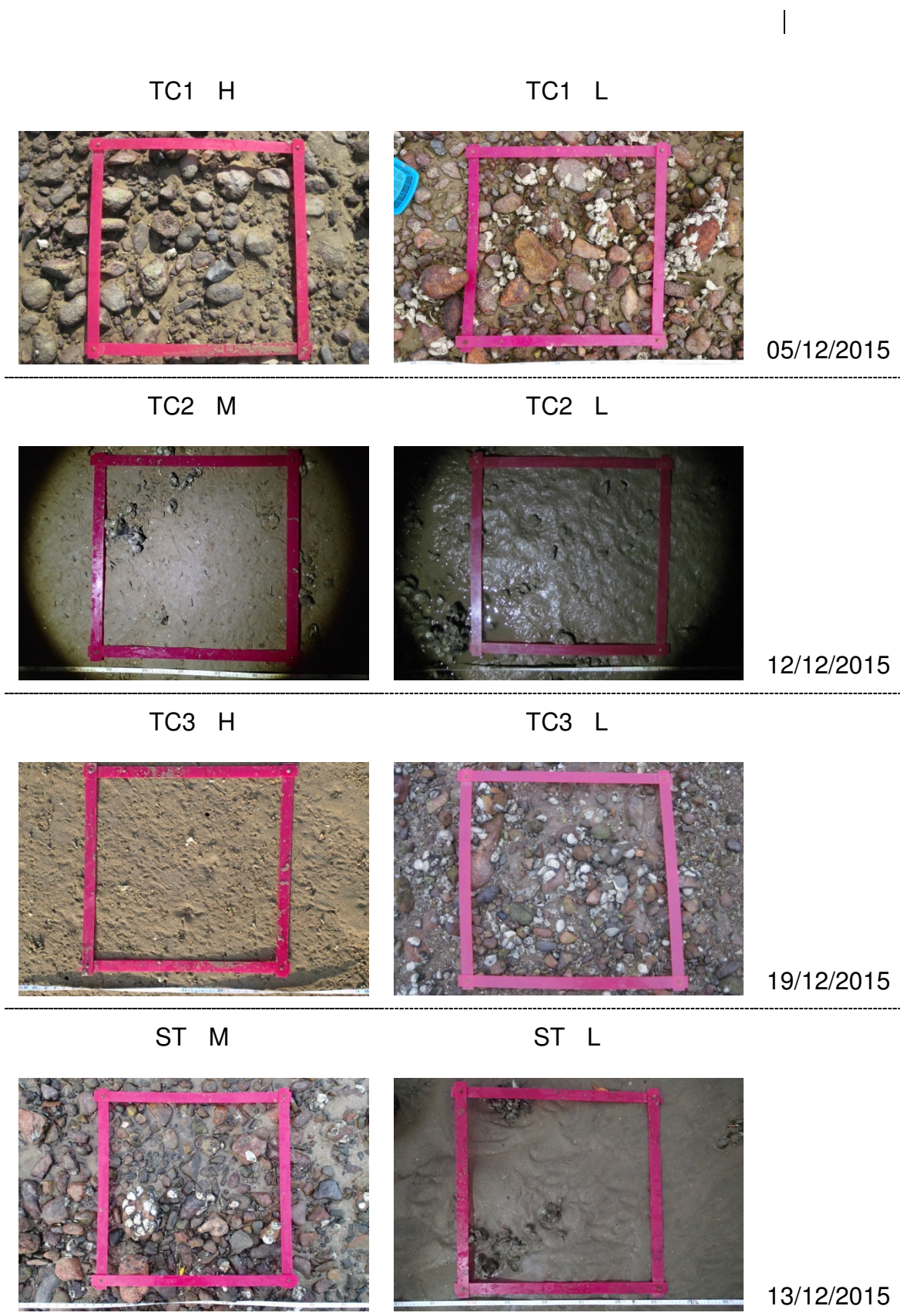


Figure 3.10. *Examples of photographic records of quadrat for intertidal soft shore community survey (H: 2.0 m above C.D.; M: 1.5 m above C.D.; L: 1.0 m above C.D.)*

Table 3.4. Total abundance, density and number of taxon of every phylum

Phylum	Total Abundance	%	Density (ind. m ⁻²)	Number of taxon
<i>Dec. 2015</i>				
Mollusca	10409	97.0	347	37
Arthropoda	201	1.9	7	11
Annelida	37	0.3	1	7
Sipuncula	33	0.3	1	1
Echiura	24	0.2	1	1
Cnidaria	15	0.1	1	1
Nemertea	5	0.0	0	1
Chordata	2	0.0	0	2
Total	10726			

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 3.5. *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	4	0.1	1	16	1.1	2	13	0.4	2	4	0.2	1
Arthropoda	26	0.7	3	54	3.7	7	73	2.5	10	48	1.8	6
Chordata							1	0.0	0	1	0.0	0
Cnidaria							2	0.1	0	13	0.5	2
Echiura	17	0.5	2				7	0.2	1			
Mollusca	3602	98.4	480	1367	94.7	182	2850	96.2	380	2590	97.4	345
Nemertea	4	0.1	1				1	0.0	0			
Sipuncula	7	0.2	1	6	0.4	1	16	0.5	2	4	0.2	1
Sub-total	3660			1443			2963			2660		

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 3.6. *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>	265	56	56
	G	<i>Cerithidea cingulata</i>	79	17	73
	G	<i>Cerithidea djadjariensis</i>	68	14	87
Mid	G	<i>Batillaria multiformis</i>	170	37	37
	G	<i>Monodonta labio</i>	136	29	66
	Bi	<i>Saccostrea cucullata</i>	76	16	82
Low	G	<i>Monodonta labio</i>	156	30	30
	Bi	<i>Saccostrea cucullata</i>	155	29	59
	G	<i>Batillaria multiformis</i>	121	23	82

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 ⁻²)	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Cerithidea djadjariensis</i>	122	34	34
	G	<i>Cerithidea cingulata</i>	70	20	54
	Bi	<i>Saccostrea cucullata</i>	56	16	70
Mid	Bi	<i>Saccostrea cucullata</i>	54	35	35
	G	<i>Cerithidea djadjariensis</i>	30	19	54
	G	<i>Batillaria zonalis</i>	26	16	70
	G	<i>Cerithidea cingulata</i>	18	11	81
Low	Bi	<i>Saccostrea cucullata</i>	28	44	44
	Ba	<i>Balanus amphitrite</i>	9	14	58
	G	<i>Lunella coronata</i>	7	11	68

Ba = Barnacle, Bi = Bivalve, G = Gastropod

Table 3.6 (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>	99	35	35
	G	<i>Batillaria multiformis</i>	92	32	67
	G	<i>Cerithidea cingulata</i>	72	25	92
Mid	G	<i>Cerithidea djadjariensis</i>	96	37	37
	G	<i>Cerithidea cingulata</i>	72	28	65
	Bi	<i>Saccostrea cucullata</i>	32	12	78
Low	Bi	<i>Saccostrea cucullata</i>	304	47	47
	G	<i>Monodonta labio</i>	180	28	75

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 ⁻²)	Relative abundance (%)	Cumulative relative abundance (%)
High	G	<i>Monodonta labio</i>	136	32	32
	G	<i>Batillaria multiformis</i>	111	26	58
	Bi	<i>Saccostrea cucullata</i>	61	14	72
	G	<i>Lunella coronata</i>	49	12	84
Mid	Bi	<i>Saccostrea cucullata</i>	150	34	34
	G	<i>Monodonta labio</i>	103	23	57
	G	<i>Lunella coronata</i>	69	15	72
Low	G	<i>Lunella coronata</i>	58	30	30
	Bi	<i>Saccostrea cucullata</i>	54	28	58

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	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	9	473	488	0.9	1.4	0.5	0.6
	M	10		466		1.5		0.7	
	L	11		526		1.6		0.7	
TC2	H	9	7	356	192	1.5	1.4	0.7	0.8
	M	8		157		1.5		0.8	
	L	4		64		1.1		0.9	
TC3	H	6	8	287	395	1.1	1.2	0.6	0.6
	M	7		257		1.3		0.7	
	L	11		641		1.4		0.6	
ST	H	11	11	426	355	1.6	1.6	0.7	0.7
	M	14		446		1.8		0.7	
	L	8		192		1.4		0.8	

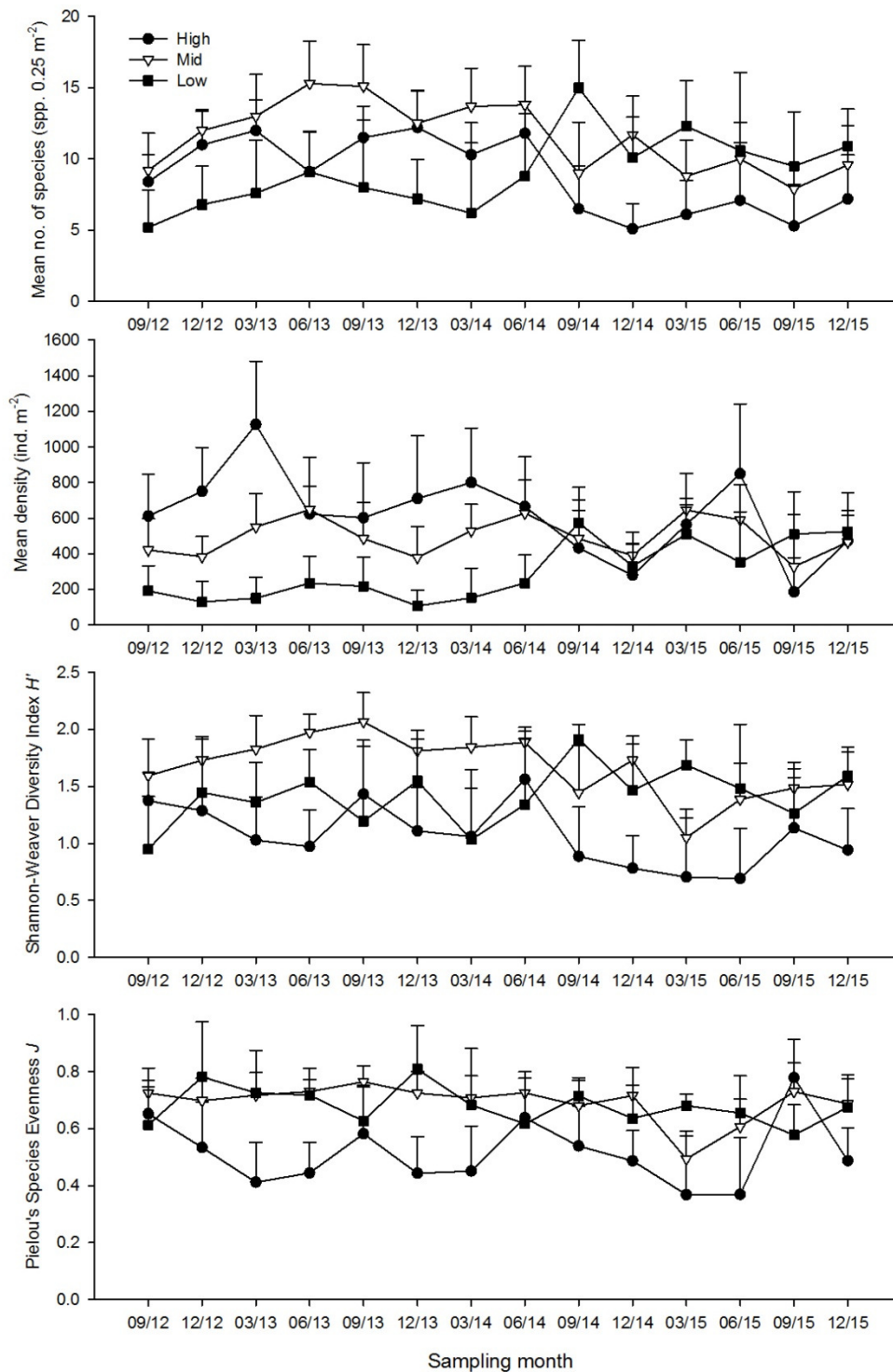


Figure 3.11. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC1

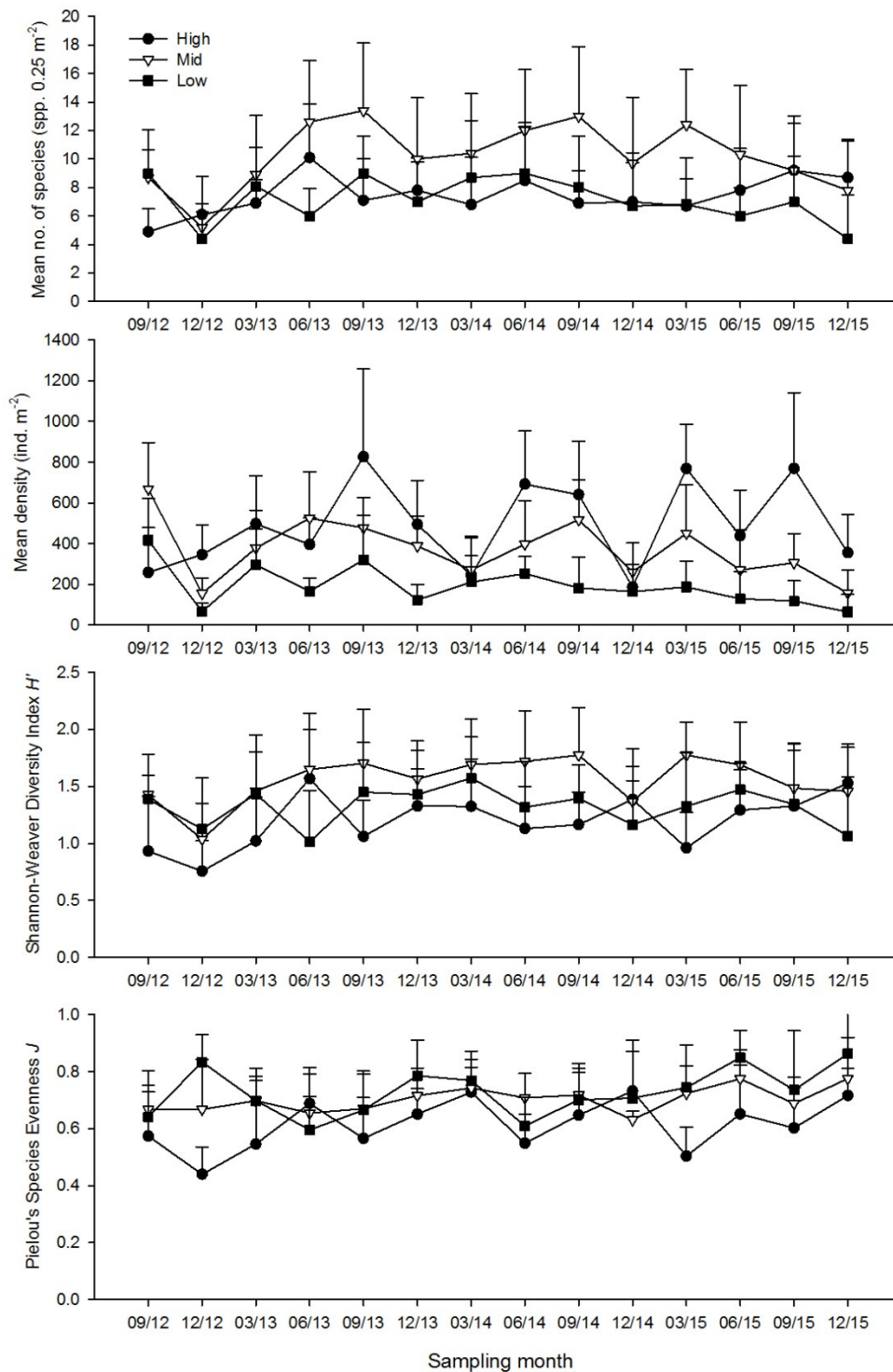


Figure 3.12. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC2

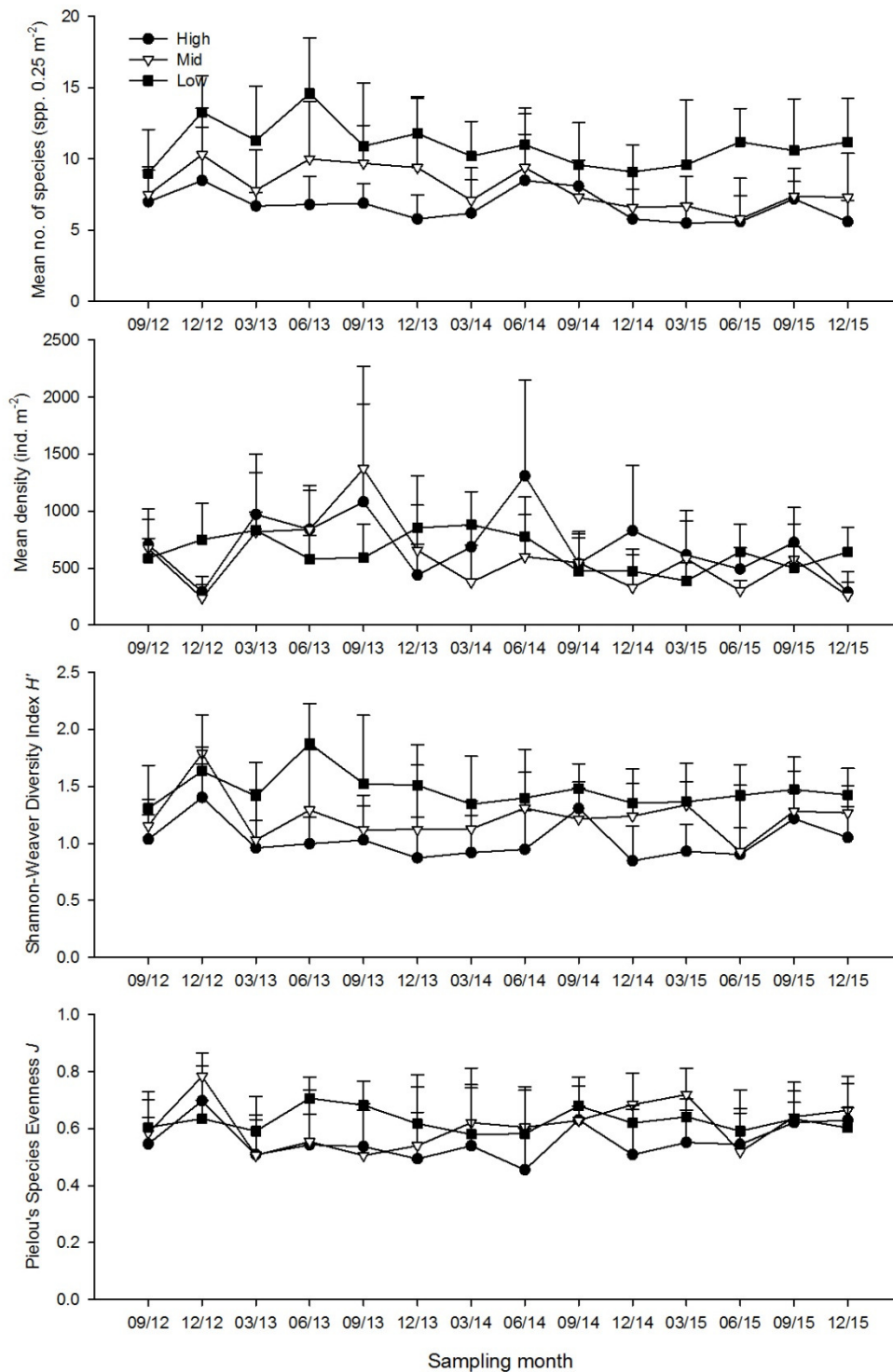


Figure 3.13. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone TC3

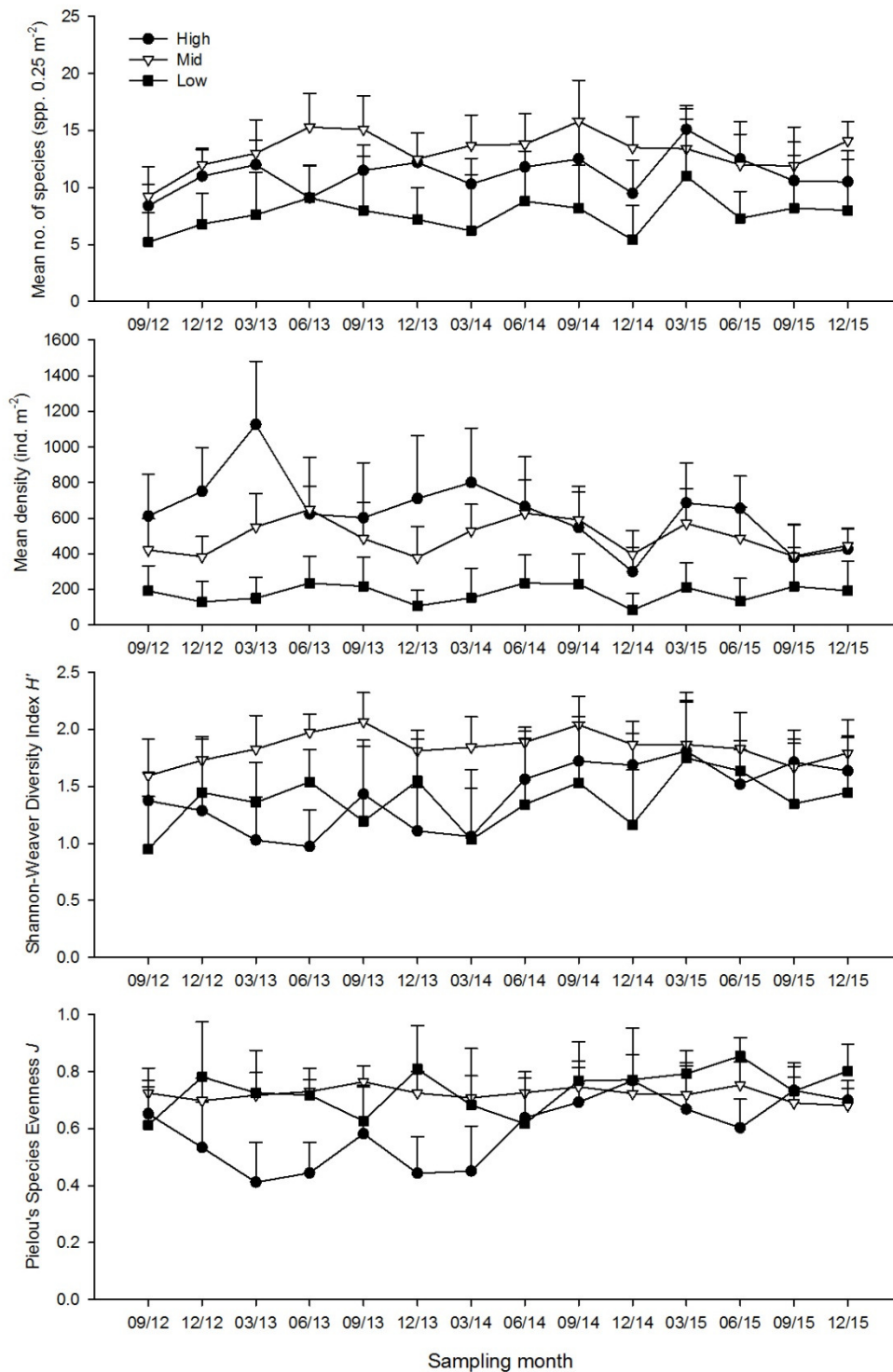


Figure 3.14. Temporal changes of mean number of species, mean density, Shannon-Weaver Diversity Index (H') and Pielou's Species Evenness (J) (mean + SD) at every tidal level in sampling zone ST

4 References

- Chan, K.K., Caley, K.J., 2003. Sandy Shores, Hong Kong Field Guides 4. The Department of Ecology & Biodiversity, The University of Hong Kong. pp 117.
- Dai, A.Y., Yang, S.L., 1991. Crabs of the China Seas. China Ocean Press. Beijing.
- Dong, Y.M., 1991. Fauna of ZheJiang Crustacea. Zhejiang Science and Technology Publishing House. ZheJiang.
- EPD, 1997. Technical Memorandum on Environmental Impact Assessment Process (1st edition). Environmental Protection Department, HKSAR Government.
- Fauchald, K., 1977. The polychaete worms. Definitions and keys to the orders, families and genera. Natural History Museum of Los Angeles County, Science Series 28. Los Angeles, U.S.A..
- Fong, C.W., 1998. Distribution of Hong Kong seagrasses. In: *Porcupine!* No. 18. The School of Biological Sciences, The University of Hong Kong, in collaboration with Kadoorie Farm & Botanic Garden Fauna Conservation Department, p10-12.
- Li, H.Y., 2008. The Conservation of Horseshoe Crabs in Hong Kong. MPhil Thesis, City University of Hong Kong, pp 277.
- Longstaff, B.J., Dennison, W.C., 1999. Seagrass survival during pulsed turbidity events: the effects of light deprivation on the seagrasses *Halodule pinifolia* and *Halophila ovalis*. Aquatic Botany 65 (1-4), 105-121.
- Longstaff, B.J., Loneragan, N.R., O'Donohue, M.J., Dennison, W.C., 1999. Effects of light deprivation on the survival and recovery of the seagrass *Halophila ovalis* (R. Br.) Hook. Journal of Experimental Marine Biology and Ecology 234 (1), 1-27.
- Nakaoka, M., Aioi, K., 1999. Growth of seagrass *Halophila ovalis* at dugong trails compared to existing within-patch variation in a Thailand intertidal flat. Marine Ecology Progress Series 184, 97-103.
- Pielou, E.C., 1966. Shannon's formula as a measure of species diversity: its use and misuse.

- American Naturalist 100, 463-465.
- Qi, Z.Y., 2004. Seashells of China. China Ocean Press. Beijing, China.
- Qin, H., Chiu, H., Morton, B., 1998. Nursery beaches for Horseshoe Crabs in Hong Kong. In: *Porcupine!* No. 18. The School of Biological Sciences, The University of Hong Kong, in collaboration with Kadoorie Farm & Botanic Garden Fauna Conservation Department, p9-10.
- Shannon, C.E., Weaver, W., 1963. The Mathematical Theory of Communication. Urbana: University of Illinois Press, USA.
- Shin, P.K.S., Li, H.Y., Cheung, S.G., 2009. Horseshoe Crabs in Hong Kong: Current Population Status and Human Exploitation. *Biology and Conservation of Horseshoe Crabs (part 2)*, 347-360.
- Supanwanid, C., 1996. Recovery of the seagrass *Halophila ovalis* after grazing by dugong. In: Kuo, J., Philips, R.C., Walker, D.I., Kirkman, H. (eds), *Seagrass biology: Proc Int workshop, Rottenest Island, Western Australia*. Faculty of Science, The University of Western Australia, Nedlands, 315-318.
- Vermaat, J.E., Agawin, N.S.R., Duarte, C.M., Fortes, M.D., Marba. N., Uri, J.S., 1995. Meadow maintenance, growth and productivity of a mixed Philippine seagrass bed. *Marine Ecology Progress Series* 124, 215-225.
- Yang, D.J, Sun, R.P., 1988. Polychaetous annelids commonly seen from the Chinese waters (Chinese version). China Agriculture Press, China.

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>				Unidentified tiny juvenile	<i>Tachypleus tridentatus</i>
1	M	22° 17.015' N	113° 55.990' E	6.31	
2	S	22° 17.064' N	113° 56.059' E		39.30
No. of ind.				1	1
<u>Sampling site TC2 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>	<i>Tachypleus tridentatus</i>
		No record			
<u>Sampling site TC3 (Search hour = 2 hrs)</u>				<i>Carcinoscorpius rotundicauda</i>	<i>Tachypleus tridentatus</i>
1	S	22° 17.107' N	113° 55.615' E		47.00
2	S	22° 17.107' N	113° 55.577' E		58.23
3	M	22° 17.103' N	113° 55.559' E	178.17	
4	M	22° 17.110' N	113° 55.552' E		20.70
No. of ind.				1	3

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 = 2 hrs)</u>			
				<i>Carcinoscorpius rotundicauda</i>	<i>Tachypleus tridentatus</i>
1	M	22° 17.122' N	113° 55.544' E		98.89
2	M	22° 17.222' N	113° 55.467' E	117.37	
3	S	22° 17.207' N	113° 55.529' E		89.27
		No. of ind.	1		2

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

Estimated area (m ²)	Estimated coverage (%)		GPS coordinate		Remark
TC1 (search hour = 2 hrs) & TC2 (search hour = 2 hrs)					
No record					
TC3 (search hour = 2 hrs) <i>Halophila ovalis</i>					
14.8	60	a single patch	22° 17.101' N	113° 55.577' E	A small patch of seagrass bed on mud flat between 0.5m and 1.0m above C.D.
5.0	30	a single patch	22° 17.110' N	113° 55.551' E	A small patch of seagrass bed on mud flat between 0.5m and 1.0m above C.D.

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

Estimated area (m ²)	Estimated coverage (%)	GPS coordinate		Remark
ST (search hour = 2 hrs) <i>Halophila ovalis</i>				
16.4	50	a single patch	22° 17.171' 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.
12.9	40	a single patch	22° 17.173' N 113° 55.474' E	A small patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
2.1	30	a single patch	22° 17.185' N 113° 55.474' E	A small patch of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
46.8	50	horizontal line	22° 17.189' N 113° 55.474' E 22° 17.203' N 113° 55.473' E	-- A horizontal strand of seagrass bed nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
51.8	60	horizontal line	22° 17.202' N 113° 55.472' E 22° 17.215' N 113° 55.471' E	-- A horizontal strand of two coexisting seagrass species nearby the seaward side of mangrove area at tidal level 2.0m above C.D.
76.2	80	a single patch	22° 17.218' N 113° 55.474' E	A medium and dense patch of seagrass bed at 2.0m above C.D.
ST (search hour = 2 hrs) <i>Zostera japonica</i>				
51.8	30	horizontal line	22° 17.202' N 113° 55.472' E 22° 17.215' N 113° 55.471' E	-- A horizontal strand of two coexisting seagrass species nearby the seaward side of mangrove area at tidal level 2.0m above C.D.

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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	Sabellida	Oweniidae	Oweniidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Ampharetidae	Ampharetidae spp.
Animalia	Annelida	Polychaeta	Terebellida	Terebellidae	Terebellidae 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	Grapsidae	<i>Metopograpsus latifrons</i>
Animalia	Arthropoda	Malacostraca	Decapoda	Ocypodidae	<i>Macrophthalmus erato</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	Portunidae	<i>Thalamita crenata</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	Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Periophthalmus cantonensis</i>
Animalia	Chordata	Actinopterygii	Perciformes	Gobiidae	Unidentified goby spp.
Animalia	Cnidaria	Anthozoa	Actiniaria	Diadumenidae	<i>Diadumene lineata</i>
Animalia	Echiura				Echiura spp.
Animalia	Mollusca	Bivalvia	Arcoida	Arcidae	<i>Barbatia virescens</i>
Animalia	Mollusca	Bivalvia	Euheterodonta	Hiatellidae	<i>Hiatella arctica</i>
Animalia	Mollusca	Bivalvia	Mytiloidea	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	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>

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 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	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	Assimineidae	<i>Assimineia lutea</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Littoraria articulata</i>
Animalia	Mollusca	Gastropoda	Littorinimorpha	Littorinidae	<i>Peasiella</i> spp.
Animalia	Mollusca	Gastropoda	Littorinimorpha	Naticidae	<i>Natica</i> sp.
Animalia	Mollusca	Gastropoda	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		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

Dec 2015 Sampling zone TC 1 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>																			1		1
Bi	<i>Geloina erosa</i>											1		1								2
Bi	<i>Saccostrea cucullata</i>			8		6				2				4				7		7		34
Bi	<i>Xenostrobus atratus</i>			1														1				2
C	<i>Uca lactea</i>																5					5
G	<i>Batillaria multiformis</i>	5		34		37		64		74		74		110		16		126		123		663
G	<i>Batillaria zonalis</i>	2		1																		3
G	<i>Cerithidea cingulata</i>	84		71				4		1		2		14		21						197
G	<i>Cerithidea djadjariensis</i>	30		29		1		19		2		17		14		59						171
G	<i>Cerithidea rhizophorarum</i>			2								2		1		2						7
G	<i>Clithon faba</i>	1		1						1				1								4
G	<i>Clithon oualaniensis</i>	2		3						2		1		4		1						13
G	<i>Lunella coronata</i>			4								1		1								6
G	<i>Monodonta labio</i>	2		5		3		2		26		2		10		1		8		7		66
G	<i>Nerita polita</i>													1								1
G	<i>Rissoina plicatula</i>													3		1						4
Ne	Nemertea spp.	1												1								2
Ol	Marine oligochaete spp.																	1				1

Total 1182

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

Dec 2015 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>																			3		3
Bi	<i>Cyclina sinesis</i>											1										1
Bi	<i>Geloina erosa</i>									1												1
Bi	<i>Hiatella arctica</i>													1					1			2
Bi	<i>Ruditapes philippinarum</i>													1								1
Bi	<i>Saccostrea cucullata</i>	17		25		30		10		27		18		12		15		24		12		190
Bi	<i>Xenostrobus atratus</i>					8								4		2				5		19
C	<i>Hemigrapsus penicillatus</i>																			1		1
C	<i>Nanosesarma minutum</i>													1						1		2
Eh	<i>Echiura</i> spp.	2				3		1		2				3								11
G	<i>Batillaria multiformis</i>	7		16		25		9		9		62		137		65		54		42		426
G	<i>Cellana grata</i>																	4				4
G	<i>Cerithidea cingulata</i>	11		1						6								1		4		23
G	<i>Cerithidea djadjariensis</i>	20		1		2				10				1		1		7		7		49
G	<i>Cerithidea rhizophorarum</i>	1								1										1		3
G	<i>Clithon faba</i>									1				1		2		3		8		15
G	<i>Clithon oualaniensis</i>	2																		3		5
G	<i>Euchelus scaber</i>	1																				1
G	<i>Littoraria articulata</i>					2				1		9		3		1				4		20

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

Dec 2015 Sampling zone TC 1 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>	4		5										1		4				2		16
G	<i>Monodonta labio</i>	29		28		54		22		11		31		25		54		43		42		339
G	<i>Nassarius festivus</i>	1																				1
G	<i>Nerita polita</i>			1		2		2														5
G	<i>Patelloida pygmaea</i>					2						1				16		1				20
Ne	Nemertea spp.													2								2
P	Nereididae spp.											1										1
Sp	<i>Sipunculus nudus</i>	2										1										3
																					Total	1164

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

Dec 2015 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>			7				1														8
Bi	<i>Barbatia virescens</i>	1				3				1		1		1		1						8
Bi	<i>Geloina erosa</i>															1						1
Bi	<i>Hiatella arctica</i>					1						1				1		2				5
Bi	<i>Saccostrea cucullata</i>	32		26		51		30		31		33		17		69		55		43		387
Bi	<i>Xenostrobus atratus</i>	23		2		2						1				6						34
C	<i>Metopograpsus latifrons</i>					1												1				2
C	<i>Nanosesarma minutum</i>							1				2		1				1		2		7
Eh	<i>Echiura</i> spp.	3		2										1								6
G	<i>Batillaria multiformis</i>	13		3				15		18		40		54		78		36		45		302
G	<i>Cellana grata</i>											5		1		4		1				11
G	<i>Cerithidea cingulata</i>	8		5						3		2		4								22
G	<i>Cerithidea djadjariensis</i>	5		5						10		7		3		2						32
G	<i>Cerithidea rhizophorarum</i>									1		2		4								7
G	<i>Clithon faba</i>																			2		2
G	<i>Clithon oualaniensis</i>															1		2		1		4
G	<i>Euchelus scaber</i>																			1		1
G	<i>Lepidozona</i> sp.																	2				2
G	<i>Littoraria articulata</i>															1		4				5

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

Dec 2015 Sampling zone TC 1 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Lunella coronata</i>	3		5		1		2		7		16		2		6		4		6		52
G	<i>Monodonta labio</i>	20		14		15		17		55		63		44		68		53		40		389
G	<i>Nassarius festivus</i>															1						1
G	<i>Nerita polita</i>			1		2										2						5
G	<i>Patelloida pygmaea</i>			3				4		1		2				2		2		1		15
P	Nereididae spp.																	1		1		2
Sp	<i>Sipunculus nudus</i>			1				2								1						4
																					Total	1314

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

Dec 2015 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>																		1			1
Bi	<i>Hiatella arctica</i>																				3	3
Bi	<i>Saccostrea cucullata</i>					7				3		3		42		33		2		49		139
Bi	<i>Xenostrobus atratus</i>																	2		2		4
C	<i>Hemigrapsus penicillatus</i>	1										1		2		1		1				6
C	<i>Macrophthalmus erato</i>				1																	1
C	<i>Uca lactea</i>									6												6
C	<i>Uca</i> sp.										1											1
G	<i>Assiminea lutea</i>			1																		1
G	<i>Batillaria bornii</i>													7		4		1		2		14
G	<i>Batillaria multiformis</i>	25						4				2			1	15	6		1	5		59
G	<i>Batillaria zonalis</i>	2								2		5	1	15	2	3		11		18		59
G	<i>Cerithidea cingulata</i>			14	1	27		45	5			11	1	17	5	18	3	11	3	13		174
G	<i>Cerithidea djadjariensis</i>	3		17	3	87		79	5	2		23	2	22	5	31	5	7	3	12		306
G	<i>Cerithidea rhizophorarum</i>	1		3		7		11				3	2	1		3	1					32
G	<i>Clithon oualaniensis</i>																				1	1
G	<i>Littoraria articulata</i>	6																				6
G	<i>Lunella coronata</i>	1										1		5		8		2		4		21
G	<i>Monodonta labio</i>	36				1		1				1						2		1		42

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

Dec 2015 Sampling zone TC 2 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Nassarius festivus</i>			1				2								1						4
G	<i>Nerita polita</i>	2												1								3
Hc	<i>Clibanarius</i> sp.																	1				1
P	Ampharetidae spp.				1																	1
P	Nereididae spp.									1											1	2
Sp	<i>Sipunculus nudus</i>																				2	2
																					Total	889

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

Dec 2015 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>			1				2										2				5
Bi	<i>Barbatia virescens</i>			1									3		1							5
Bi	<i>Hiatella arctica</i>			2																		2
Bi	<i>Ruditapes philippinarum</i>												1									1
Bi	<i>Saccostrea cucullata</i>			20				11				6		43		24		16		16		136
Bi	<i>Xenostrobus atratus</i>													2						2		4
C	<i>Hemigrapsus penicillatus</i>			1							1							1		1		4
C	<i>Nanosesarma minutum</i>			1																		1
G	<i>Batillaria bornii</i>			2														4		1		7
G	<i>Batillaria multiformis</i>																			1		1
G	<i>Batillaria zonalis</i>	1		1		9	1				5	6			5	1		12	5	12	6	64
G	<i>Cerithidea cingulata</i>			4				1		8	2	4	4		2	1	6	4	9			45
G	<i>Cerithidea djadjariensis</i>	1		2		1	2	3		5	2				1		1	27	2	25	3	75
G	<i>Cerithidea rhizophorarum</i>									3										1		4
G	<i>Clithon oualaniensis</i>			1																		1
G	<i>Dentalium sinuosum</i>						1															1
G	<i>Euchelus scaber</i>							1														1
G	<i>Lunella coronata</i>			5										4	2		4		2			17
G	<i>Monodonta labio</i>			3			1															4

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

Dec 2015 Sampling zone TC 2 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Nassarius hepaticus</i>					1																1
G	<i>Natica</i> sp.					1																1
G	<i>Nerita polita</i>			1																		1
Hc	<i>Pagurus dubius</i>											1										1
P	Ampharetidae spp.													2								2
P	Maldanidae spp.						2	1					1								1	5
P	Nereididae spp.																			1		1
Sp	<i>Sipunculus nudus</i>					1		1								1						3
																					Total	393

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

Dec 2015 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total	
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C		
Ba	<i>Balanus amphitrite</i>					8		10		4												22	
Bi	<i>Barbatia virescens</i>							1		1												2	
Bi	<i>Circe</i> sp.																		1			1	
Bi	<i>Hiatella arctica</i>									1												1	
Bi	<i>Saccostrea cucullata</i>					5		31		32											3	71	
Bi	<i>Xenostrobus atratus</i>					1		1														2	
C	<i>Nanosesarma minutum</i>					1		3				1										5	
G	<i>Batillaria bornii</i>									1												1	
G	<i>Batillaria zonalis</i>									5			2	1		2	1				3	1	15
G	<i>Cerithidea cingulata</i>					1		1														2	
G	<i>Cerithidea djadjariensis</i>							1					2	2				1			3	9	
G	<i>Dentalium sinuosum</i>															1						1	
G	<i>Euchelus scaber</i>					1		2														3	
G	<i>Lunella coronata</i>					1		8		8												17	
G	<i>Nassarius festivus</i>							1														1	
G	<i>Nassarius hepaticus</i>															1						1	
Hc	<i>Clibanarius</i> sp.																				1	1	
P	Maldanidae spp.			1																		1	

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

Dec 2015 Sampling zone TC 2 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C			
P	Onuphidae spp.		1														1					2
P	Oweniidae spp.																		1			1
P	Terebellidae spp.													1								1
Sp	<i>Sipunculus nudus</i>					1																1
																				Total	161	

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

Dec 2015 Sampling zone TC 3 High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Circe</i> sp.									1			4		1							6
Bi	<i>Tellina</i> sp.		1																			1
C	<i>Hemigrapsus penicillatus</i>															1						1
C	<i>Uca lactea</i>	14		2				2								6	1					25
Eh	<i>Echiura</i> spp.				1																	1
G	<i>Batillaria multiformis</i>	8		9	34	1	2	1	6	1		1		3		28		103	7	25	1	230
G	<i>Batillaria zonalis</i>									1						1						2
G	<i>Cerithidea cingulata</i>	36				3	4	6	7	43	2	35		8	2	7	1	9	2	13	2	180
G	<i>Cerithidea djadjariensis</i>	61			1		2			19	2	18	2	21	6	17	2	36	2	59		248
G	<i>Cerithidea rhizophorarum</i>	3								1		1		1		3		1	1	2		13
G	<i>Clithon oualaniensis</i>																			1		1
G	<i>Dentalium sinuosum</i>				1																	1
G	<i>Nassarius festivus</i>											1		1								2
P	Ampharetidae spp.								1													1
P	Maldanidae spp.		1								3		1									5
P	Nereididae spp.												1									1
																					Total	718

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

Dec 2015 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Anomalocardia squamosa</i>															1						1
Bi	<i>Hiatella arctica</i>																				1	1
Bi	<i>Ruditapes philippinarum</i>					1																1
Bi	<i>Saccostrea cucullata</i>	10																14			55	79
Bi	<i>Xenostrobus atratus</i>																				1	1
C	<i>Hemigrapsus penicillatus</i>																				1	1
C	<i>Metopograpsus latifrons</i>																				1	1
C	<i>Nanosesarma minutum</i>	2																	1			3
C	<i>Uca lactea</i>	2		1		1		14											4			22
C	<i>Uca sp.</i>												1									1
G	<i>Batillaria multiformis</i>			2		2		1						1		1		3	2	6		18
G	<i>Batillaria zonalis</i>			2						1		3		2		16	1	1				26
G	<i>Cerithidea cingulata</i>			2	5	42		29		39		4	2	7		7	7	20	14	2		180
G	<i>Cerithidea djadjariensis</i>			1		32		22		40		35	2	28	5	30	9	24	10	1		239
G	<i>Cerithidea rhizophorarum</i>					6		5		5		2	1	6		1	3	1	2	1		33
G	<i>Clithon oualaniensis</i>			1				2		1								1				5
G	<i>Littoraria articulata</i>																	1		1		2
G	<i>Lunella coronata</i>	1																2		1		4
G	<i>Monodonta labio</i>	1																2		13		16

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

Dec 2015 Sampling zone TC 3 Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Nassarius festivus</i>																1					1
G	<i>Nerita polita</i>																		1			1
OI	Marine oligochaete spp.																			1		1
P	Maldanidae spp.												2		3							5
																					Total	642

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

Dec 2015 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Ba	<i>Balanus amphitrite</i>									3												3
Bi	<i>Barbatia virescens</i>	31		25		22		16		26		2		2								124
Bi	<i>Hiatella arctica</i>	5		4				3		1		1						4		2		20
Bi	<i>Ruditapes philippinarum</i>									1												1
Bi	<i>Saccostrea cucullata</i>	80		120		53		62		140		55		100		50		52		47		759
Bi	<i>Xenostrobus atratus</i>			5						3										5		13
C	<i>Hemigrapsus penicillatus</i>					1														3		4
C	<i>Metopograpsus latifrons</i>	2																				2
C	<i>Nanosesarma minutum</i>	3		1		2				2								1				9
Cn	<i>Diadumene lineata</i>	1		1																		2
Eh	Echiura spp.							1						1				3		1		6
F	<i>Periophthalmus cantonensis</i>									1												1
G	<i>Batillaria bornii</i>	2														4		1				7
G	<i>Batillaria multiformis</i>											5				2				2		9
G	<i>Batillaria zonalis</i>									1												1
G	<i>Cellana grata</i>	1																				1
G	<i>Cellana toreuma</i>	1		1		10		1		7												20
G	<i>Cerithidea cingulata</i>																	1				1

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

Dec 2015 Sampling zone TC 3 Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Cerithidea djadjariensis</i>							2														2
G	<i>Cerithidea rhizophorarum</i>					1		1												2		4
G	<i>Euchelus scaber</i>					1				2												3
G	<i>Lepidozona</i> sp.									1												1
G	<i>Littoraria articulata</i>			2		1		1														4
G	<i>Lunella coronata</i>	11				13		10		26		9		5		8		8		11		101
G	<i>Monodonta labio</i>	76		63		48		18		16		40		70		36		63		20		450
G	<i>Nerita polita</i>			2		3		2						4								11
G	<i>Nipponacmea concinna</i>	3		3		2				1		4						1		2		16
G	<i>Patelloida pygmaea</i>					1						1		3				2		1		8
G	<i>Thais luteostoma</i>	1		1																		2
Hc	<i>Pagurus dubius</i>													1								1
Ne	Nemertea spp.											1										1
Sp	<i>Sipunculus nudus</i>	10		1				1										1		3		16
																					Total	1603

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

Dec 2015 Sampling zone ST High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>													1								1
Bi	<i>Hiatella arctica</i>													1				1		1		3
Bi	<i>Saccostrea cucullata</i>	6		1		9		8		4		6		52		25		12		29		152
Bi	<i>Xenostrobus atratus</i>					1		2														3
C	<i>Hemigrapsus penicillatus</i>															1						1
C	<i>Nanosesarma minutum</i>							2														2
C	<i>Thalamita crenata</i>											1										1
Cn	<i>Diadumene lineata</i>							1		6										2		9
F	Unidentified goby spp.											1										1
G	<i>Batillaria bornii</i>			1						1		1		6		1		9		3		22
G	<i>Batillaria multiformis</i>	67		13		24		28		52		6		4		36		19		28		277
G	<i>Cellana grata</i>											1		4		2		2		1		10
G	<i>Cerithidea cingulata</i>											1										1
G	<i>Cerithidea djadjariensis</i>	3				1								2						2		8
G	<i>Cerithidea rhizophorarum</i>													2						1		3
G	<i>Clithon faba</i>					1				5				2								8
G	<i>Clithon oualaniensis</i>			1								3		2		3		4		7		20
G	<i>Euchelus scaber</i>													13				2				15
G	<i>Lepidozona</i> sp.															1						1

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

Dec 2015 Sampling zone ST High tidal level (2.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Littoraria articulata</i>	14				4		4		2												24
G	<i>Lunella coronata</i>	2		7		6		8		5		18		30		11		9		27		123
G	<i>Monodonta labio</i>	20		44		44		37		35		21		31		41		36		31		340
G	<i>Nassarius festivus</i>											1								1		2
G	<i>Nerita polita</i>			2		2		3		1		1		6								15
G	<i>Nipponacmea concinna</i>													1								1
G	<i>Patelloida pygmaea</i>									1		2		4		5		3		4		19
Hc	<i>Clibanarius</i> sp.					1																1
Sp	<i>Sipunculus nudus</i>	1																				1
																					Total	1064

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

Dec 2015 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>			3				4		2				6		6				1		22
Bi	<i>Hiatella arctica</i>					1				2		2		1				3		1		10
Bi	<i>Ruditapes philippinarum</i>													1								1
Bi	<i>Saccostrea cucullata</i>	14		53		46		78		52				42		4		53		34		376
Bi	<i>Xenostrobus atratus</i>					2		7		7						1		4		1		22
C	<i>Hemigrapsus penicillatus</i>											2		1								3
C	<i>Metopograpsus latifrons</i>			1																		1
C	<i>Nanosesarma minutum</i>					1		1		2						3		3				10
Cn	<i>Diadumene lineata</i>					1								1		1				1		4
G	<i>Batillaria bornii</i>			2				1						6		3		4				16
G	<i>Batillaria multiformis</i>	16		1		2		7		1		7		1		9		12		10		66
G	<i>Batillaria zonalis</i>	1		1																		2
G	<i>Cellana grata</i>	1						2		2		6		4		10		8		5		38
G	<i>Cellana toreuma</i>			1		1		3		8												13
G	<i>Cerithidea cingulata</i>	3		1		1		1												2		8
G	<i>Cerithidea djadjariensis</i>	8		1		1		1				1		1						3		16
G	<i>Cerithidea rhizophorarum</i>	2				1																3
G	<i>Clithon faba</i>															1						1
G	<i>Clithon oualaniensis</i>	4				3				4				1		1				7		20

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

Dec 2015 Sampling zone ST Mid tidal level (1.5 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Euchelus scaber</i>			3		1		2		1		3								1		11
G	<i>Lepidozona</i> sp.											1										1
G	<i>Lunella coronata</i>	26		16		8		22		15		21		17		13		15		19		172
G	<i>Monodonta labio</i>	1		7		13		17		16		43		50		45		34		31		257
G	<i>Nassarius festivus</i>	1		1		1						1										4
G	<i>Nerita polita</i>	1		2				4				1		2						1		11
G	<i>Nipponacmea concinna</i>	1																				1
G	<i>Patelloida pygmaea</i>			1						1		7		3		4		2		2		20
G	<i>Peasiella</i> spp.	1																				1
G	<i>Pisania ignea</i>									1												1
Hc	<i>Pagurus dubius</i>							1												1		2
Sp	<i>Sipunculus nudus</i>					1												1				2
																					Total	1115

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

Dec 2015 Sampling zone ST Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
Bi	<i>Barbatia virescens</i>					4								1		2		6		1		14
Bi	<i>Circe</i> sp.												1		1							2
Bi	<i>Hiatella arctica</i>	3				2																5
Bi	<i>Ruditapes philippinarum</i>															1				3		4
Bi	<i>Saccostrea cucullata</i>	46		27		19								7		14		13		9		135
Bi	<i>Xenostrobus atratus</i>	4		2		9								2						1		18
C	<i>Hemigrapsus penicillatus</i>															1		1		1		3
C	<i>Nanosesarma minutum</i>	2		8		5				2				2		1						20
G	<i>Batillaria bornii</i>	3		1		1												1		3		9
G	<i>Batillaria multiformis</i>			4														1		1		6
G	<i>Batillaria zonalis</i>											2				1						3
G	<i>Cellana grata</i>			1																		1
G	<i>Cellana toreuma</i>	4		2																		6
G	<i>Cerithidea cingulata</i>															1						1
G	<i>Euchelus scaber</i>	6		4		4								1		9		5		7		36
G	<i>Lepidozona</i> sp.			3																		3
G	<i>Lunella coronata</i>	30		32		6										17		25		35		145
G	<i>Monodonta labio</i>	13		7														5		18		43
G	<i>Nassarius festivus</i>	2				4												3				9

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

Dec 2015 Sampling zone ST Low tidal level (1.0 m above C.D.)

Gp	Taxon	1		2		3		4		5		6		7		8		9		10		sub-total
		Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	Q	C	
G	<i>Nerita polita</i>	4																				4
G	<i>Nipponacmea concinna</i>	1		1																		2
G	<i>Patelloida pygmaea</i>													1								1
G	<i>Pisania ignea</i>	1																				1
G	<i>Thais luteostoma</i>																			1		1
Hc	<i>Clibanarius</i> sp.																	2				2
Hc	<i>Pagurus dubius</i>					1																1
P	Maldanidae spp.												2									2
P	Onuphidae spp.									1		1										2
S	<i>Alpheus brevicristatus</i>															1						1
Sp	<i>Sipunculus nudus</i>																	1				1
																					Total	481

Key for faunal groups:

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