Appendix 8.7a - Intertidal Dry Survey Findings within the Assessment Area

Composition and Abundance (number of individuals / percentage cover per 0.25 m^2) of Organisms Recorded in Intertidal Community

Survey Date	March 2019 (Dry Season)																																																				
Survey Location	**T1**			**T2**																	**T3**													**T4**								**T5**											**Walk-through**
Intertidal Type	**Rocky Shore**			**Sandy Shore**																	**Sandy Shore**													**Intertidal Mudflat/Mangrove**								**Sandy Shore**											
Transect Length (m)	**12.5**			**82.0**																	**59.7**													**37.8**								**51.5**											**-**
Quadrat	**1**	**2**	**3**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**-**
Encrusting Algae																																																						
Crustose Coralline Algae																	2%											10%																									5%	Y
Hildenbrandia rubra																	5%			5%																																		Y
Erect Algae																																																						
Colpomenia sinuosa		3%	1%														2%		1%	15%																																	5%	Y
Enteromorpha sp.					1%	5%										1%						10%																			1%														Y
Gelidium pusilium		5%	90%												5%	20%	5%		5%	5%						4%	20%																											15%	Y
Ulva sp.			2%		1%				1%												5%																																		Y
Sea Anemone																																																					
Spheractis cheungae																							11	22		3	1		1																		1	2	4				Y
Slug																																																					
Platevindex mortoni																																										1		1	1				1				Y
Ceriths (Mudsnails)																																																					
Batillaria multiformis																										1								2		3						3	5	2									Y
Batillaria zonalis																																		6					1														Y
Cerithidea cingulata			3					3				2	1												1							1																19						Y
Cerithidea djadjariensis												1				1																		7	5				4	3		7	4	2									Y
Cerithidea rhizophorarum				5						1		3													1																		2										
Nassarius festivus										1		2																																									Y
Snails																																																					
Clithon faba																																								1														
Clithon oualaniensis				18	190	150	120	152		6	1	4				1					128	1	2	1					1		1		1	27	6	6	1	3	3	25	70												Y
Clypeomorus sp.							3		15																																				1										
Echinolittorina radiata	19																																																				Y
Echinolittorina trochoides	1																																																				
Littoraria articulata													1																																								Y
Lunella coronata		2	16							3	1		4	14	16	16	7		1			1	6	6	9	2	16	81	2				1			1							2	3	3	8	8	14	9	14	18	Y
Monodonta labio		4											2		3					3		3	3	5		14																					1					Y
Nerita albicilla																1																				1																	Y
Planaxis sulcatus		1							60	20	11	12	5	1							8	3		1	5																		14	10	28	16	4	6	1				Y
Whelks																																																					
Morula musiva																															1																					3	Y
Thais clavigera																																																		1			Y
Thais luteostoma																			2																																		
Limpets/False Limpets																																																					
Cellana grata																										1																											Y
Cellana toreuma																									1																									2			
Nipponacmea concinna		4												1		5									2	1																				3	4	1	4		Y
Patelloida pygmaea																																																	1			Y
Bivalves																																																					
Anomalocardia sp.																														2	3	2	1																				
Asaphis dichotoma																																				1	1	1	1													
Barbatia virescens			5%				1%									1%											3%																						1%	1%	Y
Brachidontes variabilis																																							1%													2%	Y
Caecella chinensis				1																																																	
Donax sp.				1																																																	Y
Ervilia sp.				1																																																	
Gafrarium sp.																																																					Y
Isognomon isognomum																													1										2														Y
Marcia hiantina																																																					
Meretrix meretrix															1		2																																				
Perna viridis																	1																																			1%	
Placamen calophylla																	1																	2																				Y
Saccostrea cucullata		10%	10%				2%							7%	5%	30%	5%	5%	5%				2%	4%	15%	10%	60%		45%										5%		5%							8%	15%	5%	40%		Y
Septifer virgatus																								3%																								4%				Y
Solidicorbula erythrodon			1																									2																									
Barnacles																																																					
Balanus amphitrite							3%																																											1%		Y
Tetraclita japonica														3%																																			5%			
Hermit Crabs																																																					
Clibanarius sp.																	1																																				
Diogenes spinifrons																																			2																		
Pagurus dubius																													2																								Y
Crustaceans																																																					

Appendix 8.7a - Intertidal Dry Survey Findings within the Assessment Area

Composition and Abundance (number of individuals / percentage cover per 0.25 m^2) of Organisms Recorded in Intertidal Community

Survey Date	**March 2019 (Dry Season)**																																																					
Survey Location	**T1**			**T2**																	**T3**												**T4**								**T5**											**Walk-through**
Intertidal Type	**Rocky Shore**			**Sandy Shore**																	**Sandy Shore**												**Intertidal Mudflat/Mangrove**								**Sandy Shore**											
Transect Length (m)	**12.5**			**82.0**																	**59.7**												**37.8**								**51.5**											**-**
Quadrat	**1**	**2**	**3**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**-**
Alpheus brevicristatus																												1																											
Hemigrapsus sanguineus																									1																	1										1	Y
Hemigrapsus sp.			3	1											1						2		1	2	1	1	2																											Y
Epixanthus frontalis																																																		1				
Metopograpsus frontalis																																																			4		Y
Nanosesarma sp.																																																					Y
Petrolisthes japonica																																																		1				
Scopimera globosa																																																					Y
Tmethypocoelis ceratophora																																																			2		Y
Amphipod																																																			3		Y
Tube-worm / Worm-Snail																																																					
Hydroides sp.																	1%			5%								3%																										Y
Serpulorbis imbricatus			2%															2%									2%																											
Spirorbis sp.																		5%	15%					1%				10%																										Y
Worms																																																					
Nemertea (Ribbon Worm)																																								3									1				
Siphonosoma sp. (Sipunculid Worms)											1																																						1				
Sea Slaters																																																					
Ligia exotica										1											1	1					1																	1										Y
Sea Cucumber																																																					
Holothuria spilonota																																																					Y
Ascidian (Sea Squirts)																																																					
Styela plicata																																																					Y

Appendix 8.7b - Intertidal Wet Survey Findings within the Assessment Area

Composition and Abundance (number of individuals / percentage cover per 0.25 m^2) of Organisms Recorded in Intertidal Community

Survey Date	May 2019 (Wet Season)																																													
Survey Location	**T1**			**T2**														**T3**										**T4**										**T5**								**Walk-through**
Intertidal Type	**Rocky Shore**			**Sandy Shore**														**Sandy Shore**										**Intertidal Mudflat/Mangrove**										**Sandy Shore**								
Transect Length (m)	**11.5**			**67.0**														**48.5**										**45.5**										**36.0**								**-**
Quadrat	**1**	**2**	**3**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**-**
Encrusting Algae																																														
Crustose Coralline Algae																	8%																													5%	Y
Hildenbrandia rubra																	10%		8%		70%		60%			5%																				Y
Erect Algae																																														
Gelidium pusilium			70%													15%																				5%										Y
Ulva sp.			5%																																											Y
Sea Anemone																																														
Haliplanella lineata												4								2	1	11	3	1	6	2	2								1	7			2	3	4	16	24			Y
Spheractis cheungae																																														Y
Slug																																														
Platevindex mortoni			1							1								1																												Y
Onchidium hongkongensis					1																																									
Ceriths (Mudsnails)																																														
Batillaria multiformis																														4						4										Y
Batillaria zonalis												4																						2		3			1							Y
Cerithidea cingulata					1				1			3					1							1					51				1													Y
Cerithidea djadjariensis						22		32	1			3																					2		6		3									Y
Cerithidea ornata										1																																				Y
Cerithidea rhizophorarum										1																												1								
Snails																																														
Clithon faba																																														Y
Clithon oualaniensis				90	1	128	60	48	10	2	1	1	10	4	5	2		102	120	80								200	17	50	90	3	2	40	106	150	19									Y
Clypeomorus sp.									27		4		1						1																1				1								Y
Echinolittorina radiata		39																					1																							Y
Echinolittorina trochoides		3																																												Y
Lunella coronata			14			1				2	8	8	10	12	8	19	10			1	4	8	5	2	5	2	3				1								2	14	5	10	7	17	3	Y
Monodonta labio										3	3		1							2			1	3	2										1							2	1			Y
Nerita albicilla															2																															Y
Nerita chamaeleon																						1	1																							Y
Planaxis sulcatus			34	2					19	58	60	15	9	30		2			1	8	33		3															74	7	8	1	1				Y
Whelks																																														
Morula musiva																	2										1													2		1				Y
Limpets/False Limpets																																														
Cellana grata																									1						1															Y
Cellana toreuma																									2																					
Nipponacmea concinna			12											7	4			3		5	1		2	2	3	1									4								3	5		Y
Patelloida pygmaea															2										2															2		1	1			Y
Bivalves																																														
Asaphis dichotoma				1																																										
Barbatia virescens																											1																			Y
Brachidontes variabilis							1																5		1									1												Y
Collisella dorsuosa						3		5								1																														
Gafrarium sp.						1	2																			1%	1							2			3									
Isognomon isognomum																																		1												Y
Marcia hiantina																											1																		1	
Meretrix meretrix																										5																				
Perna viridis																																														Y
Placamen calophylla																																														Y
Saccostrea cucullata			90%			1%								1%	5%	60%	12%		1%	1%	1%	5%	5%	15%		30%	5%	4%		5%	5%		5%	4%		5%	5%				1%		3%	5%	10%	Y
Septifer virgatus			10%											1%		1%								1%		1%							2%		2%		2%							1		
Chiton																																														
Acanthopleura japonica			8																																											Y
Barnacles																																														
Balanus amphitrite																																														Y

Appendix 8.7b - Intertidal Wet Survey Findings within the Assessment Area

Composition and Abundance (number of individuals / percentage cover per 0.25 m^2) of Organisms Recorded in Intertidal Community

Survey Date	May 2019 (Wet Season)																																													
Survey Location	**T1**			**T2**														**T3**										**T4**										**T5**								**Walk-through**
Intertidal Type	**Rocky Shore**			**Sandy Shore**														**Sandy Shore**										**Intertidal Mudflat/Mangrove**										**Sandy Shore**								
Transect Length (m)	**11.5**			**67.0**														**48.5**										**45.5**										**36.0**								**-**
Quadrat	**1**	**2**	**3**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**-**
Tetraclita japonica																																														Y
Hermit Crabs																																														
Clibanarius sp.					1																																									Y
Pagurus dubius																																														Y
Crustaceans																																														
Alpheus brevicristatus																								1																						
Chasmagnathus convexus																																														Y
Hemigrapsus sanguineus				1														1																											1	Y
Hemigrapsus sp.																				1																										Y
Metaplax elegans																																														Y
Metopograpsus frontalis																													1																	Y
Nanosesarma sp.																																														Y
Petrolisthes japonica																																													1	
Tmethypocoelis ceratophora																																														Y
Uca sp.																											1																			Y
Amphipod																																														Y
Sesarminae												1																																		
Tube-worm / Worm-Snail																																														
Hydroides sp.																																														Y
Spirorbis sp.																																														Y
Worms																																														
Nemertea (Ribbon Worm)				1																																	1%									
Polychaete																																3%														
Sea Slaters																																														
Ligia exotica	4			1						1								1				2		1														5		1						Y
Sea Cucumber																																														
Holothuria spilonota																																													1	Y
Ascidian (Sea Squirts)																																														
Styela plicata																																														Y
Fish																																														
Periophthalmus modestus																																1														Y
Mudskipper																																														
Periophthalmus modestus																																														Y