

Appendix 5.2 Intertidal Fauna List

Table 1a Intertidal fauna recorded in Tsing Yi, Kwai Chung, Stonecutters Island, Green Island and Kau Yi Chau with relative abundance (Wet Season Walk Through Survey)

Common Name	Scientific Name	Commonness	Tsing Yi		Kwai Chung		Tsing Yi South			Stonecutters Island		Green Island		Kau Yi Chau	
			Site 1		Site 2		Site 3	Site 4		Site 5		Site 6		Site 7	
			H	L	H	L	H	H	L	H	L	H	L	H	L
Acorn Barnacle	<i>Tetraclita squamosa</i>	VC	2	3	4	2	5		5	1	5			5	
Barnacles	<i>Balanus amphitrite</i>	VC												2	
Barnacles	<i>Chthamalus malayensis</i>	VC										1	1		
Chiton	<i>Acanthopleura japonica</i>	VC	2	1	2	3	1				4			2	
Dog Whelk	<i>Thais clavigera</i>	VC		1		1		1					1	3	1
False Limpet	<i>Siphonaria japonica</i>	C	1			1	2		3		3			4	
Grapsid Crab	<i>Gaetice depressus</i>	-											1		
Grapsid Crab	<i>Hemigrapsus snaguinolentus</i>	-	1												
Grapsid Crab	<i>Metopograpsus frontalis</i>	-					1								
Grapsid Crab	<i>Nanosesarma minutum</i>	-	2												
Grapsid Crab	<i>Parasesarma pictum</i>	-	2		1										
Green Mussel	<i>Perna viridis</i>	C*				1							1	1	
Lipped Top Shell	<i>Monodonta labio</i>	VC	1						2			3	5	3	1
Limpet	<i>Cellana grata</i>	VC	1	4	2	1			2					4	
Limpet	<i>Cellana toreuma</i>	VC			1				2	1	3		1	2	
Limpet	<i>Nipponacmea concinna</i>	C		2	1								2		
Limpet	<i>Patelloida pygmaea</i>	VC	2										3		
Limpet	<i>Patelloida saccharina</i>	VC		1		4									
Lipped Top Shell	<i>Monodonta labio</i>	VC			1										
Nerites	<i>Nerita sp.</i>	-											1	2	
Periwinkles	<i>Echinolittorina radiata</i>	VC											2		1
Periwinkles	<i>Echinolittorina vidua</i>	C						3		2				2	4
Periwinkles	<i>Echinolittorina trochoides</i>	VC											1		3
Periwinkles	<i>Littoraria articulata</i>	C	1									1			1
Porcelain Crab	<i>Petrolisthes japonicus</i>	C										1			
Rock Oyster	<i>Saccostrea cucullata</i>	VC	4	2	4	5	1	1	5		3		2		

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Common Name	Scientific Name	Commonness	Tsing Yi		Kwai Chung		Tsing Yi South			Stonecutters Island		Green Island		Kau Yi Chau	
			Site 1		Site 2		Site 3	Site 4		Site 5		Site 6		Site 7	
			H	L	H	L	H	H	L	H	L	H	L	H	L
Sea Anemones	<i>Anthopleura japonica</i>	-												2	1
Sea Anemones	<i>Spheractis cheungae</i>	C										1	2		
Sea Anemones	<i>Haliplanella luciae</i>	-		2		2									
Sea Slater	<i>Ligia exotica</i>	C	1		2			1	4				2	2	2
Silver-mouthed Monodont	<i>Chlorostoma argyrostoma</i>	C											1		
Stalked Barnacle	<i>Capitulum mitella</i>	VC	1		1				1				3	2	1
Tube Worms	<i>Hydroides spp.</i>	VC							1						
Whelk	<i>Morula musiva</i>	VC											1		
Total no. of species recorded:			13	8	10	9	5	4	9	3	5	5	16	14	9

Commonness: VC = Very Common, C = Common, 2003.

* follows AFCD record.

Relative Abundance: 1 = Very low abundant, 5 = Very high abundant.

Survey Date: 16 September, 14,15 & 16 October 2009

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Table 1b Intertidal fauna recorded in Tsing Yi, Kwai Chung, Stonecutters Island, Green Island and Kau Yi Chau with relative abundance (Dry Season Walk Through Survey)

Common Name	Scientific Name	Commonness	1		2		3		4		5		6		7	
			Tsing Yi		Kwai Chung		Tsing Yi South		Stonecutters Island		Green Island		Kau Yi Chau			
			H	L	H	L	H	L	H	L	H	L	H	L		
Acorn Barnacle	<i>Tetraclita squamosa</i>	VC	1	2	3	3		2	2	4	1	3	4	4	3	4
Barnacle	<i>Balanus reticulatus</i>	VC								1						
Chiton	<i>Acanthopleura japonica</i>	VC	1	1	1	2		1		1	1	3	2	2		2
Dog Whelk	<i>Thais clavigera</i>	VC		1		1		1		1		2	1	1		1
False Limpet	<i>Siphonaria japonica</i>	C		1		2				1			1	1		2
Grapsid crab	<i>Gaetice depressus</i>	-											1		1	
Grapsid crab	<i>Grapsus albolineatus</i>	-	1							1						
Grapsid crab	<i>Hemigrapsus snaguinolentus</i>	-													1	
Limpet	<i>Cellana grata</i>	VC														1
Limpet	<i>Cellana toreuma</i>	VC		1	1					1			2	1		
Limpet	<i>Cellana grata</i>	VC	1	1	1	1			1	2	1	2				
Limpet	<i>Collisella dorsuosa</i>	C													2	1
Limpet	<i>Nipponacmea concinna</i>	C	1	1	1		1	3	1	1	1	1	2	2		
Limpet	<i>Patelloid pygmaea</i>	VC									1		1	1		
Limpet	<i>Patelloid saccharina</i>	VC	1	2		2			1	2		4	1	3		
Lipped Top Shell	<i>Monodonta labio</i>	VC				1							1	3	2	1
Periwinkles	<i>Echinolittorina radiata</i>	VC				2										3
Periwinkles	<i>Echinolittorina trochoides</i>	VC											2			3
Periwinkles	<i>Echinolittorina vidua</i>	C												1		
Periwinkles	<i>Littoraria articulata</i>	C											2		1	
Purplish Bifurcate Mussel	<i>Septifer virgatus</i>	VC								1			2			
Rock Oyster	<i>Saccostrea cucullata</i>	VC	2	3	1	3		1		4		3				1
Sea Anemone	<i>Spheractis cheungae</i>	C											2		1	
Sea slaters	<i>Ligia exotica</i>	C													2	2
Stalked Barnacle	<i>Capitulum mitella</i>	VC				1				1			2	2	3	2
Total no. of species recorded:			7	9	8	8	1	5	4	13	5	7	15	11	11	10

Commonness: VC = Very Common, C = Common. Williams, 2003.
Relative Abundance: 1 = Very low abundant, 5 = Very high abundant.
Survey Date: 8, 19, 20 & 21 January 2010

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Table 2a Record of Transect Survey in Green Island (Wet Season)

Scientific Name	Commonness	Green Island																											
		G1 Rocky shore								G2 Rocky shore					G3 Rocky shore						G4 Rocky shore								
		1	2	3	4	5	6	7	8	1	2	3	4	5	1	2	3	4	5	6	1	2	3	4	5	6	7	8	
<i>Chthamalus malayensis</i>	VC						1%					1%																	
<i>Thais clavigera</i>	VC										3																		
<i>Gaetice depressus</i>	-																					1	1					1	
<i>Perna viridis</i>	C*										1%																		
<i>Cellana toreuma</i>	VC								1																				
<i>Nipponacmea concinna</i>	C					1	3					3						1											
<i>Patelloid pygmaea</i>	VC					1					2	3					2	3									3		
<i>Monodonta labio</i>	VC	10	7	13	2	4	8			7	42				2		2	14			7	2	2				13	17	
<i>Nerita sp.</i>	-						4	5																					
<i>Echinolittorina radiata</i>	VC					2%	2%	3%	1%		1%	2%	1%	5%				3%	3%	4%					15%	4%	4%	2%	
<i>Echinolittorina trochoides</i>	VC					1%	1%	3%			1%	2%	1%					2%	2%	4%								1%	
<i>Littoraria articulata</i>	C					1%	1%	1%																					
<i>Petrolisithes japonicus</i>	C																											1	
<i>Spheractis cheungae</i>	C		1																										
<i>Ligia exotica</i>	C					1																	8	7				1	
<i>Capitulum mitella</i>	VC						1%		1%	15%	1%						1%	20%											
Total no. of species recorded:		1	2	1	1	4	8	5	3	3	6	6	2	2	1	0	3	6	2	2	1	2	3	1	1	3	5	2	

Commonness: VC = Very Common, C = Common. Williams, 2003.

* follows AFCD record.

Survey Date: 16 October 2009

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Table 2b Record of Transect Survey in Kau Yi Chau (Wet Season)

Scientific Name	Commonness	Kau Yi Chau																															
		K1 – Rocky shore				K2 – Rocky shore								K3 – Boulder shore with sandy mid-tide									K4 – Boulder shore with sandy mid-tide										
		1	2	3	4	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	10	11
<i>Tetraclita squamosa</i>	VC			1%	5%					2%	20%	5%	60%						1%		1%	10%							10%	5%	30%	40%	10%
<i>Balanus amphitrite</i>	VC																													30%			
<i>Acanthopleura japonica</i>	VC										7	1	1																1			3	1
<i>Thais clavigera</i>	VC										4		1			1											1	4				2	3
<i>Siphonaria japonica</i>	C			5	1					1		3	10								2	10										3	15
<i>Perna viridis</i>	C*																													1%			5%
<i>Cellana grata</i>	VC									3	8	1			5				1		2	3					1	1		4	11	3	
<i>Cellana toreuma</i>	VC				3																								1				
<i>Monodonta labio</i>	VC		1							25	4					1			1														
<i>Nerita sp.</i>	-									1	1																						7
<i>Echinolittorina radiata</i>	VC		1%																														
<i>Echinolittorina trochoides</i>	VC	3%				2%								10%									1%										
<i>Echinolittorina vidua</i>	C	1%	1%	1%	1%	2%	2%	1%	1%	1%		1%		10%	10%	1%							5%	10%	1%								
<i>Littoraria articulate</i>	C		1																														
<i>Anthopleura japonica</i>	-										5%	10%				2%														1%	1%		10%
<i>Ligia exotica</i>	C		1		1					7						1	2				1				3								
<i>Capitulum mitella</i>	VC			1%						10%	1%	1%				2%									1%								
Total no. of species recorded:		2	5	4	5	2	1	1	1	8	8	7	4	2	2	6	1	0	3	0	4	3	2	1	3	0	0	2	4	3	4	6	8

Commonness: VC = Very Common, C = Common. Williams, 2003.

* follows AFCD record.

Survey Date: 19 January 2010

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Table 3a Record of Transect Survey in Green Island (Dry Season)

Scientific Name	Commonness	Green Island																						
		G1 Rocky shore with cobble beach						G2 Rocky shore with cobble beach				G3 Rocky shore					G4 Rocky shore							
		1	2	3	4	5	6	7	1	2	3	4	1	2	3	4	5	1	2	3	4	5	6	
<i>Tetraclita squamosa</i>	VC																						5%	10%
<i>Thais clavigera</i>	VC																			2	1			
<i>Siphonaria japonica</i>	C																					1		
<i>Gaetice depressus</i>	-					1																		
<i>Cellana toreuma</i>	VC																							1
<i>Nipponacmea concinna</i>	C			1						1	1			1	1									2
<i>Patelloid pygmaea</i>	VC								1									1	1				1	
<i>Patelloid saccharina</i>	VC																					2	1	
<i>Monodonta labio</i>	VC			7	7	5	6	7				12				3	2		4					
<i>Echinolittorina trochoides</i>	VC								2%					1%	1%									
<i>Echinolittorina vidua</i>	C	3%														1%								
<i>Littoraria articulata</i>	C	1%	20%	1%					2%	10%	2%				2%	10%		2%	1%					
<i>Spheractis cheungae</i>	C					1												2	10					
<i>Capitulum mitella</i>	VC		10%	2%					20%	3%					20%	2%		2%	1%					1%
<i>Septifer virgatus</i>	VC																	1%						
Total no. of species recorded:		2	2	4	1	3	1	1	2	3	3	2	1	2	3	4	1	1	6	4	1	4	5	

Commonness: VC = Very Common, C = Common. Williams, 2003.
Survey Date: 14 October 2009

