

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Avifauna

Common Name*	Scientific Name	Distribution in HK	Level of Concern ⁽¹⁾	IUCN Red List	Shrubland	Plantation	Developed Area	Pond	Watercourse	Rocky Shore
Pacific Reef Egret ⁽⁴⁾	<i>Egretta sacra</i>	Uncommon	LC	-						+
Black Kite ⁽⁴⁾	<i>Milvus migrans</i>	Common	(RC)	-	+ (at flight)					
White-bellied Sea-Eagle ⁽⁴⁾	<i>Haliaeetus leucogaster</i>	Uncommon	(RC)	-	+					
Common Sandpiper ⁽⁴⁾	<i>Actitis hypoleucos</i>	Common	-	-						
Rock Dove	<i>Columba livia</i>	Common	-	-			+			
Spotted Dove	<i>Streptopelia chinensis</i>	Common	-	-	++	+	++		+	
Emerald Dove	<i>Chalcophaps indica</i>	Scarce	-	-	+					
Indian Cuckoo	<i>Cuculus micropterus</i>	Uncommon	-	-	++					
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Uncommon	-	-	+					
Common Koel	<i>Eudynamys scolopacea</i>	Common	-	-	+	+	+			
Greater Coucal	<i>Centropus sinensis</i>	Common	-	-	+	+			+	
Collared Scops Owl	<i>Otus bakkamoena</i>	Common	-	-	+					
Pacific Swift	<i>Apus pacificus</i>	Common	LC	-	+ (at flight)		+ (at flight)			
Little Swift	<i>Apus affinis</i>	Common	-	-	++					
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Common	(LC)	-	+			+		
Barn Swallow	<i>Hirundo rustica</i>	Common	-	-	++		+			
Grey Wagtail	<i>Motacilla cinerea</i>	Common	-	-			+	+		
White Wagtail	<i>Motacilla alba</i>	Common	-	-			++	++		
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common	-	-		+				
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant	-	-	++++	++	++			
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant	-	-	++++	+	++		+	
Long-tailed Shrike	<i>Lanius schach</i>	Common	-	-	+		+			
Siberian Rubythroat	<i>Luscinia calliope</i>	Common	-	-	+					
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant	-	-	++	+	++		+	
Blue Rock Thrush	<i>Monticola solitarius pandoo</i>	Uncommon	-	-						
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common	-	-	++	+	+			
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	Abundant	-	-	++++	+	++	+	+	
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common	-	-	++					
Common Tailorbird	<i>Orthotomus sutorius</i>	Common	-	-	++			+		
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Common	-	-	+					
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Common	-	-	++					
Japanese Paradise Flycatcher	<i>Terpsiphone atrocaudata</i>	Scarce	LC	Near Threatened			+			
Great Tit	<i>Parus major</i>	Common	-	-	++	+	++			
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common	-	-	+					
Japanese White-eye	<i>Zosterops japonica</i>	Abundant	-	-	+++		++	+	+	
Black-faced Bunting	<i>Emberiza spodocephala</i>	Common	-	-	+					
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Common	-	-	++					
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant	-	-	+++					
Black-collared Starling	<i>Sturnus nigricollis</i>	Common	-	-	+		++	+		
Common Myna	<i>Acridotheres tristis</i>	Uncommon	-	-	++					
Crested Myna	<i>Acridotheres cristatellus</i>	Common	-	-	++	+			+	
Black Drongo	<i>Dicrurus macrocercus</i>	Common	-	-	++		++	+		
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common	-	-		+				
Blue Magpie	<i>Urocissa erythrorhyncha</i>	Common	-	-	++	++	+	+		

Common Magpie	<i>Pica pica</i>	Common	-	-		+	+			
Large-billed Crow	<i>Corvus macrorhynchus</i>	Common	-	-	++		++			

Total Species Recorded ⁽²⁾ :	34	14	20	9	7	1
Species of Conservation Interest ⁽³⁾ :	3	0	1	1	0	1

Note:

* All wild birds are Protected under Wild Animal Protection Ordinance (Cap. 170).

(1) Fellowes *et al.* (2002); RC=Regional Concern; LC=Local Concern

Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.

(2) Species at flight were not counted in the number of total species recorded.

(3) Species at flight were not counted in the number of species of conservation interest recorded.

(4) Wetland-dependent species.

Code of Abundance: +=Rare; +=+=Occasional; +=+=+=Common; +=+=+=+=Abundant

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Common Name	Scientific name	Status in Hong Kong	Level of Concern ⁽¹⁾	IUCN Red List	Shrubland	Plantation	Developed Area	Pond	Watercourse
Damselfly									
Eastern Lilysquatter	<i>Cercion melanotum</i>	Uncommon	-	-				+	
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	Abundant	-	-	+				
Common Bluetail	<i>Ischnura senegalensis</i>	Abundant	-	-	+			+	
Oragne-faced Sprite	<i>Pseudagrion rubriceps rubriceps</i>	Common	-	-				+	
Yellow Featherlegs	<i>Copera marginipes</i>	Abundant	-	-	++	+	+	++	++
Black Threadtail	<i>Prodasineura autumnalis</i>	Abundant	-	-					+
Dragonfly									
Pale-spotted Emperor	<i>Anax guttatus</i>	Abundant	-	-				++	
Common Flangetail	<i>Ictinogomphus pertinax</i>	Abundant	-	-		+		++	+
Regal Pond Cruiser	<i>Epopthemia elegans</i>	Common	-	-			+	+	
Asian Pintail	<i>Acisoma panorpoides panorpoides</i>	Common	-	-				+	
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Common	-	-				++	+
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Abundant	-	-					+
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Abundant	-	-	+	+	+		+
Wandering Glider	<i>Pantala flavescens</i>	Abundant	-	-	++		++		
Pied Skimmer	<i>Pseudothemis zonata</i>	Common	-	-	+		+	++	+
Evening Skimmer	<i>Tholymis tillarga</i>	Common	-	-				+	
Saddlebag Glider	<i>Tramea virginia</i>	Common	-	-				+	
Crimson Dropwing	<i>Trithemis aurora</i>	Abundant	-	-				+	
Dingy Dusk-darter	<i>Zygomma petiolatum</i>	Common	-	-					+
Total Species Recorded:					6	3	5	13	8
Species of Conservation Interest:					0	0	0	0	0

Butterflies									
Hesperiidae									
Restricted Demon	<i>Notocrypta curvifascia curvifascia</i>	Common	-	-	+			+	
Tree Flitter	<i>Hyarotis adrastus praba</i>	Uncommon	-	-	+	+			
Common Straight Swift	<i>Parnara guttata</i>	Common	-	-			+		
Papilionidae									
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	Common	-	-			+		
Five-bar Swordtail	<i>Pathysa antiphates antiphates</i>	Common	-	-	+				
Common Mime	<i>Chilasa clytia clytia</i>	Common	-	-	+				
Lime Butterfly	<i>Papilio demoleus demoleus</i>	Common	-	-	++		+		
Red Helen	<i>Papilio helenus helenus</i>	Common	-	-	++	+	+		
Common Mormon	<i>Papilio polytes polytes</i>	Common	-	-	+++		+	+	
Great Mormon	<i>Papilio memnon agenor</i>	Common	-	-	++	++	+		+
Paris Peacock	<i>Papilio paris paris</i>	Common	-	-	++	+	+		
Pieridae									
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	Common	-	-	+		+		+
Indian Cabbage White	<i>Pieris canidia canidia</i>	Common	-	-	+++	+	++		
Common Gull	<i>Cepora nerissa nerissa</i>	Common	-	-	+				
Yellow Orange Tip	<i>Ixias pyrene pyrene</i>	Uncommon	-	-	+		+		
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	Common	-	-	++	+	++	+	+
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	Common	-	-	+				
Small Grass Yellow	<i>Eurema brigitta rubella</i>	Uncommon	LC	-	+				
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	Common	-	-	++++	++	++		
Lycaenidae									

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Common Name	Scientific name	Status in Hong Kong	Level of Concern ⁽¹⁾	IUCN Red List	Shrubland	Plantation	Developed Area	Pond	Watercourse
Dark Cerulean	<i>Jamides bochus bochus</i>	Common	-	-				+	
Pale Grass Blue	<i>Zizeeria maha serica</i>	Common	-	-	+		++		
Lime Blue	<i>Chilades lajus leucofasciatus</i>	Common	-	-	+				
Plains Cupid	<i>Chilades pandava pandava</i>	Uncommon	-	-	+++				
Plum Judy	<i>Abisara echerius echerius</i>	Common	-	-	+++	+	+		
Satyridae									
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	Common	-	-	+				
Dark-brand Bush Brown	<i>Mycalesis mineus mineus</i>	Common	-	-	++	+			
South China Bush Brown	<i>Mycalesis zonata</i>	Common	-	-	+	+			
Common Five-ring	<i>Ypthima baldus baldus</i>	Common	-	-	+				
Straight Five-ring	<i>Ypthima lisandra lisandra</i>	Common	-	-	+				
Amathusiidae									
Large Faun	<i>Faunis eumeus eumeus</i>	Common	-	-	++++				+
Nymphalidae									
Rustic	<i>Cupha erymanthis erymanthis</i>	Common	-	-	++		+		
Blue Admiral	<i>Kaniska canace canace</i>	Common	-	-			+		
Common Jester	<i>Symbrenthia lilaea lilaea</i>	Common	-	-	+				
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	Common	-	-			++		
Common Sailer	<i>Neptis hylas hylas</i>	Common	-	-	+	+			
Short-banded Sailer	<i>Phaedyma columella columella</i>	Uncommon	-	-			+		
Black Prince	<i>Rohana parisatis staurakius</i>	Common	-	-			+		
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	Common	-	-	+				
Danaidae									
Ceylon Blue Glassy Tiger	<i>Ideopsis similis similis</i>	Common	-	-	+		+		
Blue Tiger	<i>Tirumala limniace limniace</i>	Common	-	-				+	

Total Species Recorded:
Species of Conservation Interest:

Note:

(1) Fellowes *et al.* (2002); LC=Local Concern

Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Common Name	Scientific name	Distribution in Hong Kong	Protection Status	Level of Concern ⁽¹⁾	IUCN Red List	Shrubland	Plantation	Developed Area	Pond	Watercourse
Mammals										
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	Abundant	Cap. 170 ⁽²⁾	LC	-	#			#	
Total Species Recorded ⁽³⁾ :						0	0	0	0	0
Species of Conservation Interest ⁽⁴⁾ :						0	0	0	0	0

Reptiles										
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed	-	-	-	+	+	+		
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Widely distributed	-	-	-		+	++		
Garnot's Gecko	<i>Hemidactylus garnotii</i>	Distributed in Lantau Island, Hong Kong Island and Eastern New Territories	-	-	-		+			
Tree Gecko	<i>Hemiphyllodactylus</i> sp.	Found in Po Toi, Aberdeen, Shek Kwu Chau	-	RC	-		+			
Common Blind Snake	<i>Ramphotyphlops braminus</i>	Abundant	-	-	-			+		
Common Wolf Snake	<i>Lycodon aulicus</i>	Widely distributed at low elevations throughout Hong Kong Island, Cheung Chau, Po Toi, Shek Kwu Chau and Lamma Island	-	-	-	+				
Total Species Recorded:						2	4	3	0	0
Species of Conservation Interest:						0	1	0	0	0

Amphibians										
Asian Common Toad	<i>Bufo melanostictus</i>	Abundant	-	-	-	++	++++	++++	+ and Tadpoles	++++
Asiatic Painted Frog	<i>Kaloula pulchr</i>	Widely distributed	-	-	-				Tadpoles	
Ornate Pigmy Frog	<i>Microhyla ornata</i>	Widely distributed	-	-	-		+		+ and Tadpoles	
Gunther's Frog	<i>Rana guentheri</i>	Widely distributed	-	-	-				+	
Three-striped Grass Frog	<i>Rana macrodactyla</i>	Widely distributed	-	-	-					
Total Species Recorded:						1	2	1	4	1
Species of Conservation Interest:						0	0	0	0	0

Note:

(1) Fellowes *et al.* (2002): RC=Regional Concern; LC=Local Concern.

(2) Protected under Wild Animal Protection Ordinance (Cap. 170).

(3) Species at flight were not counted in the number of total species recorded.

(4) Species at flight were not counted in the number of species of conservation interest recorded.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat map

Code of Abundance: +=Rare; +=Occasional; +++=Common; ++++=Abundant; +++++=Dominant

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Freshwater Communities

Taxa	Species / Family Name	W1			W2	
		Upper	Middle	Lower	Upper	Lower
Lower Invertebrate						
Turbellaria (Flatworms)	<i>Dugesia</i> sp.			+		
Hirudinea (Leeches)		+				
Snail						
	<i>Melanoides tuberculata</i> (Thiaridae)		+			
	<i>Segmentina succinea</i>	+				
	Ramshorn Snail	++				
Shrimp						
	<i>Caridina</i> sp.	++++	++++	++++	++++	++++
Insect						
Heteroptera	<i>Ptilomera tigrina</i> (Gerrinae)	+++	++++	+++		
	<i>Metrocoris</i> sp. (Gerrinae)	+	++	+	+	
	<i>Rhagovelia</i> sp.	++				
	<i>Enithares</i> sp.	+++		+		
Diptera (True flies)	Chironomidae	++	++	++	++	++
	<i>Simulium</i> sp.			+		
Ephemeroptera (Mayflies)	<i>Ephemera</i> sp. (Ephemeridae)		+			
	<i>Baetis</i> sp. (Baetidae)	++			+	
Trichoptera (Caddisflies)	<i>Ganonema extensum</i> (Calamoceratidae)	+	+	++		
	Other spp. in Calamoceratidae					+
	Helicopsychidae			+++	+++	+
	Odontoceridae		+			
Megaloptera (Fishflies)	<i>Neochauliodes boweringi</i>			+		
Coleoptera (Beetles)	Psephenidae		+			
Zygoptera (Damselflies)	<i>Protosticta taipokauensis</i>	++				

Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Composition of Organisms Recorded in Intertidal Community by Walk-through survey

Species Name	Rarity
Cyanobacteria	
<i>Chroococcus</i> sp.	Common
<i>Kyrtuthrix maculans</i>	Common
Encrusting Algae	
<i>Hinldenbrandia occidentalis</i>	Common
Erect Algae	
<i>Corraline algae</i>	Very Common
<i>Gelidium pusillum</i>	Common
<i>Hinchsia mitchelliae</i>	Common
<i>Porphyra suborbiculata</i>	Very Common
<i>Ulva</i> sp.	Very Common
Sessile Invertebrates	
Barnacles	
<i>Capitulum mitella</i>	Very Common
<i>Chthamalus malayensis</i>	Very Common
<i>Tetraclita squamosa</i>	Very Common
<i>Tetraclita japonica</i>	Very Common
Bivalves	
<i>Perna veridis</i>	Common
<i>Barbatia virescens</i>	Common
<i>Saccostrea cucullata</i>	Very Common
<i>Septifer virgatus</i>	Very Common
Mobile Invertebrates	
Anemone	
<i>Haliplanella lineata</i>	Common
<i>Spheractis cheungae</i>	Common
Chiton	
<i>Acanthopleura japonica</i>	Very Common
Crabs	
<i>Grapsus albolineatus</i>	Common
Isopod	
<i>Ligia exotica</i>	Common
Limpet/False Limpet	
<i>Cellana toreuma</i>	Very Common
<i>Patelloida saccharina</i>	Very Common
<i>Patelloida pygmaea</i>	Very Common
<i>Siphonaria laciniosa</i>	Common
<i>Siphonaria japonica</i>	Common
Periwinkle	
<i>Echinolittorina radiata</i>	Very Common
<i>Echinolittorina trochoides</i>	Common
<i>Echinolittorina vidua</i>	Common
<i>Morula musiva</i>	Common
Topshells	
<i>Monodonta labio</i>	Common
Whelks	
<i>Thais clavigera</i>	Very Common
<i>Thais luteostoma</i>	Common
Cowrie	
Cowrie	Common

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Composition and Abundance of Organisms Recorded in Intertidal Community

Survey Date	Dry Season																										
	Jan-09																										
	R1				R2				R3				R4				R5				R6						
Survey Location	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore						
Intertidal Type	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore						
Quadrat	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Cyanobacteria																											
<i>Chroococcus</i> sp.	5%	1%			5%	2%			5%	5%			10%	5%			5%	5%			10%	2%					
<i>Kyrtuthrix maculans</i>	5%	1%			5%	1%			5%	5%			5%	5%			5%	1%			5%	1%					
Encrusting Algae																											
<i>Hindlenbrandia</i>	5%	1%			5%	2%			5%	5%			2%	3%			1%	1%			1%	1%					
Erect Algae																											
<i>Corraline algae</i>				25%								25%				30%				20%		1%	15%		10%		
<i>Gelidium pusillum</i>								5%				5%				5%				5%		5%			5%		
<i>Hincksia mitchelliae</i>														5%						5%			1%	1%			
<i>Porphyra suborbiculata</i>	5%				5%	5%				5%				5%	1%			5%	2%			1%	2%				
<i>Ulva</i> sp.			5%	5%			5%	5%			5%	10%			2%	10%			5%	5%			1%	10%			
Sessile Invertebrates																											
Barnacles																											
<i>Capitulum mitella</i>			2%				2%								1%					1%							
<i>Chthamalus malayensis</i>		2%			1%	2%			1%	2%				1%			1%	1%			1%	1%					
<i>Tetraclita squamosa</i>			20%	50%			25%	50%			20%	40%			15%	35%			10%	40%			15%	30%			
<i>Tetraclita japonica</i>			20%			5%	20%			10%	10%			10%	5%			5%	5%			15%	10%				
Bivalves																											
<i>Perna veridis</i>												1%								1%				1%			
<i>Barbatia virescens</i>							1%								1%									1%			
<i>Saccostrea cucullata</i>			10%				15%				15%	1%			10%	1%			25%	1%			20%	5%			
<i>Septifer virgatus</i>				10%				10%				5%				15%				10%				15%			
Mobile Invertebrates																											
Anemone																											
<i>Haliplanella lineata</i>																											
<i>Spheractis cheungae</i>											2												2				
Chiton																											
<i>Acanthopleura japonica</i>			2	8			3	6			4	4			2	7				6			3	9			
Limpet/False Limpet																											
<i>Cellana toreuma</i>				11			1	8				6			1	7				5	5			4	7		
<i>Patelloida saccharina</i>			3	5			2	6			5	10			6	9				5	12			3	9		
<i>Patelloida pygmaea</i>				8			1	9			2	7			5	6			4	5	1			7	7		
<i>Siphonaria laciniosa</i>			6				7	2			11	5			2	7			1	7	1			3	6		
<i>Siphonaria japonica</i>		1	7			2	5				8				2	5			3	7			5	9	1		
Periwinkle																											
<i>Echinolittorina radiata</i>	5	11			7	15			11	15			7	16			11	17			9	15					
<i>Echinolittorina trochoides</i>		2	8				9			5	6			11	17			10	14			20	11				
<i>Echinolittorina vidua</i>			15	5			11	8			5	10			2	8			6	5			4	13			
<i>Morula musiva</i>															1												
Topshells																											
<i>Monodonta labio</i>			3					2			2	5												3	5		
Whelks																											
<i>Thais clavigera</i>							3								2												
<i>Thais luteostoma</i>			6					4			2	6				3								2	6		
Cowrie																											
Cowrie											2																

Dry Season																								
Jan-09																								
Survey Date	R1				R2				R3				R4				R5				R6			
Survey Location	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Intertidal Type	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Quadrat	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Taxa	23				26				26				27				24				27			
No. of Individuals	106				111				133				126				125				163			

Note:

Low tide mark – Quadrat 1

Line transects: mobile fauna in terms of abundance 0.25 m⁻²; sessile organisms estimated in terms of percentage cover

Quadrat area = 0.25 m²

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Composition and Abundance of Organisms Recorded in Intertidal Community

Dry Season																								
Mar-09																								
Survey Date																								
Survey Location	R1				R2				R3				R4				R5				R6			
Intertidal Type	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Quadrat	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Cyanobacteria																								
<i>Chroococcus</i> sp.	5%	5%			5%	5%			5%	5%			10%	5%			5%	5%			10%	5%		
<i>Kyrtuthrix maculans</i>	5%	1%			5%	5%			5%	5%			5%	5%			5%	5%			5%	5%		
Encrusting Algae																								
<i>Hindlenbrandia</i>	5%	1%			5%	5%			5%	5%			2%	5%			1%	2%			1%	5%		
Erect Algae																								
<i>Corraline algae</i>				20%				20%			5%	25%				25%			5%	15%				15%
<i>Gelidium pusillum</i>								5%				5%				10%				5%				5%
<i>Hincksia mitchelliae</i>															5%				5%				1%	2%
<i>Porphyra suborbiculata</i>	4%				5%	5%			5%				4%	5%			5%	5%			1%	5%		
<i>Ulva</i> sp.			3%	5%			5%	10%			5%	5%		5%	10%				5%	10%			5%	10%
Sessile Invertebrates																								
Barnacles																								
<i>Capitulum mitella</i>			2%				1%								1%				1%				1%	
<i>Chthamalus malayensis</i>		1%			1%	2%				3%				1%	1%		1%	1%			1%	1%		
<i>Tetraclita squamosa</i>			20%	45%			20%	40%			15%	35%			10%	40%			10%	40%			10%	35%
<i>Tetraclita japonica</i>			25%			10%	15%			10%	10%			10%	5%			5%	10%			10%	15%	
Bivalves																								
<i>Perna veridis</i>																				1%				1%
<i>Barbatia virescens</i>														1%										1%
<i>Saccostrea cucullata</i>			10%				15%	5%			15%	5%		10%	5%				20%	5%			25%	5%
<i>Septifer virgatus</i>				5%				10%				5%			15%					10%				15%
Mobile Invertebrates																								
Anemone																								
<i>Haliplanella lineata</i>																								
<i>Spheractis cheungae</i>											2				1					1				
Chiton																								
<i>Acanthopleura japonica</i>			4	5			5	9			5	3			5	8			2	8			5	11
Limpet/False Limpet																								
<i>Cellana toreuma</i>			5	8			2	6			2	7			4	6			4	7			7	8
<i>Patelloida saccharina</i>		1	5	11			3	4			11	9		2	9	7			11	9			5	7
<i>Patelloida pygmaea</i>			2	7			3	7			5	8			7	3			9	3			4	9
<i>Siphonaria laciniosa</i>			5	1		1	7	2		1	7	9		2	8	1			8	3			7	5
<i>Siphonaria japonica</i>		4	9			3	8			2	7			2	7			1	6	2		4	7	2
Periwinkle																								
<i>Echinolittorina radiata</i>	10	15			15	12			13	9			9	10			13	19			10	8		
<i>Echinolittorina trochoides</i>		6	9			11	9			7	11			9	13			1	13	9		13	11	
<i>Echinolittorina vidua</i>			11	8		5	9	2			13	5			5	3			10	7			7	9
<i>Morula musiva</i>																								1
Topshells																								
<i>Monodonta labio</i>								3			4	3								6				6
Whelks																								
<i>Thais clavigera</i>											2					1								
<i>Thais luteostoma</i>			3	2			2	5				4				2			2	3			2	3
Taxa	22				24				25				27				27				28			
No. of Individuals	131				133				149				124				157				151			

	Dry Season																							
Survey Date	Mar-09																							
Survey Location	R1				R2				R3				R4				R5				R6			
Intertidal Type	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Quadrat	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Note:

Low tide mark – Quadrat 1

Line transects: mobile fauna in terms of abundance 0.25 m⁻²; sessile organisms estimated in terms of percentage cover

Quadrat area = 0.25 m²

Appendix 7b.6 - Fauna Species recorded within the Study Area at Shek Kwu Chau

Composition and Abundance of Organisms Recorded in Intertidal Community

Wet Season																								
Jun-09																								
Survey Date	R1				R2				R3				R4				R5				R6			
Survey Location	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Intertidal Type	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Quadrat	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Cyanobacteria																								
<i>Chroococcus</i> sp.	5%	5%			10%	5%			5%	5%			5%	5%			5%	1%			5%	1%		
<i>Kyrtuthrix maculans</i>	5%	5%			5%	5%			5%	1%			5%	5%			1%	1%			5%	1%		
Encrusting Algae																								
<i>Hinlidenbrandia occidentalis</i>		5%				5%				1%				1%				1%				1%		
Erect Algae																								
<i>Gelidium pusillum</i>				5%				1%				1%				1%				1%				1%
<i>Ulva</i> sp.				5%				1%				5%				2%				5%				5%
Sessile Invertebrates																								
Barnacles																								
<i>Capitulum mitella</i>		2%	2%			1%	1%				1%			1%	2%			1%	1%				1%	
<i>Chthamalus malayensis</i>					1%	2%			1%	1%			2%	2%			1%	1%				2%		
<i>Tetraclita squamosa</i>			10%	30%			10%	45%			10%	45%			5%	40%			10%	40%			5%	45%
<i>Tetraclita japonica</i>		5%	10%			5%	15%			10%	10%			10%	10%			5%	5%			10%	10%	
Bivalves																								
<i>Perna veridis</i>								1%				1%												
<i>Barbatia virescens</i>							1%												1%				1%	
<i>Saccostrea cucullata</i>			25%	5%			30%	10%			30%	5%			25%	5%			35%	10%			30%	15%
<i>Septifer virgatus</i>				10%			1%	15%				15%				10%				15%				15%
Mobile Invertebrates																								
Anemone																								
<i>Haliplanella lineata</i>															2								3	
<i>Spheractis cheungae</i>																			5					
Chiton																								
<i>Acanthopleura japonica</i>			9	11			7	12			7	13			9	5			7	12			11	15
Crabs																								
<i>Grapsus albolineatus</i>							1																	
Isopod																								
<i>Ligia exotica</i>	5				1												3	1						
Limpet/False Limpet																								
<i>Cellana toreuma</i>			11	15			9	19			9	15			7	18			5	14			7	11
<i>Patelloida saccharina</i>			9	18			11	17			13	28			10	22			9	18			13	21
<i>Patelloida pygmaea</i>		11	9	1		9	15	3		3	16	3		7	17	2		4	15			3	8	
<i>Siphonaria laciniosa</i>		2	7			3	5			3	7			1	8			5	8			4	13	
<i>Siphonaria japonica</i>		3	5	1		1	7				12	5			10	2			11	8		5	12	3
Periwinkle																								
<i>Echinolittorina radiata</i>	18	25			21	31			19	39			15	13			19	19			27	35		
<i>Echinolittorina trochoides</i>	19	15			17	28			16	27			11	19			21	34			23	29		
<i>Echinolittorina vidua</i>			11	5			8	14			11	12			7	11			11	17			15	16
<i>Morula musiva</i>							1				2													
Topshells																								
<i>Monodonta labio</i>				8			5	7			1	6				5			2	7			4	9
Whelks																								
<i>Thais clavigera</i>																2							2	
<i>Thais luteostoma</i>			3	6				5			3	6			1	4								4
Cowrie																								
<i>Cowrie</i>											2													
Taxa	22				27				25				24				24				25			
No. of Individuals	227				257				278				208				255				293			

	Wet Season																							
Survey Date	Jun-09																							
Survey Location	R1				R2				R3				R4				R5				R6			
Intertidal Type	Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore				Rocky Shore			
Quadrat	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Note:

Low tide mark – Quadrat 1

Line transects: mobile fauna in terms of abundance 0.25 m⁻²; sessile organisms estimated in terms of percentage cover

Quadrat area = 0.25 m²