

APPENDIX 10.7

**Aquatic Fauna &
Intertidal Fauna
Recorded during the
present study**

A composite list of aquatic fauna and intertidal fauna recorded

Common Name	Scientific Name	S	L	W	M	F	Commonness
Fish							
	<i>*Acrossocheilus parallens</i>	+					Rare
Mullet	<i>Mugil cephalus</i>	+++					Common
*Predaceous chub	<i>*Parazacco spilurus</i>	+++					Common
Mudskipper	<i>Periophthalmus cantonensis</i>	+			+	+	Common
Jarboa	<i>Therapon jarbua</i>	++					Common
Tilapia	-	+++	+				Common
Crustaceans							
Barnacle	<i>Balanus amphitrite</i>			++	+++		Common
Atyid shrimp	<i>Caridina cantonensis</i>	++					Common
Crab	<i>Charybdis affinis</i>					+	Common
Crab	<i>Hemigrapsus sanguineus</i>					+	Common
Crab	<i>Hemigrapsus penicillatus</i>					+	Common
Crab	<i>Ilyoplax</i> spp.					+	Common
Isopod	<i>Ligia exotica</i>			++	++		Common
Palaemonid shrimp	<i>Macrobrachium</i> sp.	+					Common
Crab	<i>Macrophthalmus</i> sp.					++	Common
Crab	<i>Metopograpsus</i> sp.			+	+		Common
Crab	<i>Perisesarma bidens</i>				++		Common
Mangrove mud crabs	<i>Scylla paramamosain</i>	+					Common
Fiddler crab	<i>Uca arcuata</i>				+++		Common
Fiddler crab	<i>Uca lactea</i>					++	Common
Crab	<i>Varuna litterata</i>	+					Common
Other invertebrates							
Horseshoe crab	<i>Tachypleus tridentatus</i>					+	Uncommon
Small Pond-skaters	-	+					Common
Back-swimmer	-		++				Common
Dragonfly nymphs	-		+				Common
Polychaetes	<i>Glycera</i> sp.					++	Common
Polychaetes	<i>Nectoneanthes oxypoda</i>					++	Common
Polychaetes	<i>Onuphis eremita</i>					++	Common
Snail	<i>Cerithidea djajdariensis</i> .	++					Common
Snail	<i>Echinolittorina radiata</i>			++			Common
Snail	<i>Littoraria articulata</i>			++			Common
Snail	<i>Nassarius festivus</i>					++	Common
Snail	<i>Nerita yoldii</i>			++	++		Common
Snail	<i>Terebralia</i> sp	++					Common
Limpet	<i>Nipponacmea concinna</i>			+			Common
Limpet	<i>Cellana grata</i>			+			Common
Large Mangrove Clam	<i>Geloina erosa</i>				+		Common
Rock oyster	<i>Saccostrea cucullata</i>			+++	+++		Common

Abundance: "+" = sparse; "++" = common, "+++" = abundant.

Habitats: S = Streams, L = ash lagoon, W = Seawalls, M = mangroves, F = mudflat.

* *Parazacco spilurus* and *Acrossocheilus parallens* were recorded at location outside the Study Area.

** A carcass of Horseshoe crab *Tachypleus tridentatus* was found during the intertidal survey, but live specimen of any horseshoe crab was not recorded.

Results of transects on artificial seawalls at ash lagoon

Quadrat*	Species	Mar 08				May 08			
		S-D1	S-D2	N-D1	N-D2	S-W1	S-W2	N-W1	N-W2
1	-								
2	-								
3	-								
4	-								
5	-								
6	<i>Littoraria articulata</i>		5	9			9	6	3
	<i>Echinolittorina radiata</i>		3	11			20	15	5
7	<i>Saccostrea cucullata</i>	5		6		10	5	11	
	<i>Littoraria articulata</i>	6	16	5	9	7	8	11	3
	<i>Echinolittorina radiata</i>	2	19	11	14	3	4	16	12
8	<i>Saccostrea cucullata</i>	32	14	26	21	35	19	31	28
	<i>Littoraria articulata</i>	3	25			2	10		
	<i>Balanus amphitrite</i>	12	6		6		11		2
	<i>Cellana grata</i>	3	5	2		3		4	1
	<i>Nipponacmea concinna</i>	2	6		1			2	
	<i>Metopograpsus</i> sp.				1			1	1
	<i>Ligia exotica</i>		2		1				1

*no records of species in Quadrats 1 to 5.

Results of transects on mudflat at Ha Pak Nai (February 2008)

Transect S																				
Station	1		2		3		4		5		6		7		8		9		10	
	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g
Core																				
<i>Glycera</i> sp.	0		0		1	0.01	0		0		2	0.02	1	0.01	0		0		0	0.01
<i>Nectoneanthes oxypoda</i>	0		1	0.01	2	0.03	2	0.02	1	0.02	2	0.02	3	0.03	2	0.02	3	0.05	2	0.02
<i>Onuphis eremita</i>	0		0		1	0.03	2	0.05	1	0.03	4	0.15	3	0.15	3	0.21	1	0.08	0	
Quadrat																				
Burrows	0		3		8		5		4		4		3		0		0		2	
<i>Nassarius festivus</i>	0		6		11		11		7		6		0		8		0		0	

Transect N																				
Station	1		2		3		4		5		6		7		8		9		10	
	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g
Core																				
<i>Glycera</i> sp.	0		0		2	0.03	0		0		2	0.02	3	0.03	0		0		0	
<i>Nectoneanthes oxypoda</i>	1	0.02	1	0.01	2	0.14	2	0.04	0		4	0.21	4	0.11	2	0.03	1	0.03	0	
<i>Onuphis eremita</i>	0		1	0.03	2	0.09	3	0.14	2	0.08	1	0.03	1	0.03	1	0.01	1	0.02	1	0.03
Quadrat																				
Burrows	0		2		3		4		8		5		2		0		0		0	
<i>Nassarius festivus</i>	0		5		7		4		4		11		6		0		2		0	

*q = grams

Results of transects on mudflat at Ha Pak Nai (April 2008)

Transect S																				
Station	1		2		3		4		5		6		7		8		9		10	
	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g
Core																				
<i>Glycera</i> sp.	0		0		0		0		1	0.01	0		1	0.01	0		0		2	0.01
<i>Nectoneanthes oxypoda</i>	0		1	0.01	4	0.07	4	0.02	3	0.27	2	0.01	4	0.02	1	0.01	3	0.09	2	0.02
<i>Onuphis eremita</i>	4	0.37	5	0.28	1	0.05	4	0.27	4	0.09	6	0.31	3	0.13	4	0.19	4	0.15	5	0.21
Quadrat																				
Burrows	4		6		7		2		4		0		5		2		2		1	
<i>Nassarius festivus</i>	0		3		15		6		0		3		0		6		11		1	

Transect N																				
Station	1		2		3		4		5		6		7		8		9		10	
	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g	No.	g
Core																				
<i>Glycera</i> sp.	0		0		2	0.02	0		2	0.03	1	0.01	0		1	0.01	0		0	
<i>Nectoneanthes oxypoda</i>	1	0.01	2	0.03	3	0.25	3	0.19	5	0.26	2	0.12	2	0.06	3	0.11	4	0.13	2	0.07
<i>Onuphis eremita</i>	1	0.04	6	0.31	2	0.11	2	0.09	4	0.30	5	0.26	5	0.31	3	0.14	2	0.06	4	0.12
Quadrat																				
Burrows	2		2		0		5		3		2		4		4		2		2	
<i>Nassarius festivus</i>	0		0		3		6		7		7		2		11		0		0	

*q = grams