



## **APPENDIX 8.9**

# **AQUATIC FAUNA SPECIES RECORDED WITHIN THE ASSESSMENT AREA**



### Appendix 8.9 Aquatic Fauna Species Recorded within the Assessment Area

Common Names <sup>1</sup>	Scientific Names <sup>1</sup>	Rarity and Distribution in Hong Kong <sup>4,5,6</sup>	Conservation status <sup>2,3</sup>	Relative abundance in channel and Watercourse outside the Project Site but within the Assessment Area	
				CH	WAT
Fish					
Mosquito fish	<i>Gambusia affinis</i>	Occurs in large number in many local streams and ponds.	-		+
Oreochromis mossambicus	<i>Mozambique tilapia</i>	Widespread in brackish waters, freshwater ponds, ditches, rivers and reservoirs. The fish is also cultivated in some local fish farms.	-	+	
Grey mullet	<i>Mugil cephalus</i>	Widespread in estuaries and marine environment in Hong Kong	-	++	
Flat-headed loach	<i>Oreonectes platycephalus</i>	It can be found in upper streams throughout Hong Kong.	-	++	+++
Guppy	<i>Poecilia reticulata</i>	Introduced as a mosquito-control agent, widespread in local freshwater bodies	-		+
-	<i>Rhinogobius duospilus</i>	Probably the commonest goby in Hong Kong and is widely distributed in upper and middle course of streams, sometimes occurs in lowland streams.	-	++	++
Jarboa terapon	<i>Terapon jarbua</i>	Widespread in estuaries and coastal regions of Hong Kong.	-	+	
Invertebrates					
Canton Bee Shrimp	<i>Caridina cantonensis</i>	-	-	+++	+++
<b>Stream Crab</b>	<b><i>Cryptopotamon anacoluthon</i></b>	<b>Widely distributed within Hong Kong; recorded throughout the New Territories, Hong Kong and Lantau Islands</b>	<b>IUCN Red List: Vulnerable; Fellowes <i>et al.</i> (2002): PGC</b>		<b>++</b>
Long-armed Swamp Shrimp	<i>Macrobrachium vietnamense</i>	-	-	++	++
-	<b><i>Nanhaipotamon aculatum</i></b>	<b>Only known from a few localities in the Northwestern New Territories in Hong Kong</b>	<b>IUCN Red List: Data Deficient</b>		<b>+</b>



Common Names <sup>1</sup>	Scientific Names <sup>1</sup>	Rarity and Distribution in Hong Kong <sup>4,5,6</sup>	Conservation status <sup>2,3</sup>	Relative abundance in channel and Watercourse outside the Project Site but within the Assessment Area	
				CH	WAT
-	<b><i>Somanniathelphusa zanklon</i></b>	<b>Widely distributed within Hong Kong, recorded from the northwestern and northeastern New Territories and Lantau Island.</b>	<b>IUCN: Endangered; Fellowes et al. (2002): GC</b>		+
Freshwater Snail	<i>Sulcospira hainanensis</i>	-	-	+	+++

Notes:

1. AFCD (2022). Hong Kong Biodiversity Database.
2. Fellowes *et al.* (2002). Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong.
  - For conservation status listed by Fellowes *et al.* (2002), letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
3. IUCN Red List of Threatened Species.
4. Stanton, D.J., Leven, M.R and Hui, T.C.H. (2018). Distribution of *Nanhaipotamon hongkongense* (Shen, 1940) (Crustacea: Brachyura: Potamidae), a freshwater crab endemic to Hong Kong. *Journal of Threatened Taxa*. 10. 11156. 10.11609/jott.3619.10.1.11156-11165.
5. Stanton, D.J. & Leven, M.R. (2016). Distribution, habitat utilisation and conservation status of the freshwater crab, *Somanniathelphusa zanklon* Ng & Dudgeon, 1992 (Crustacea: Brachyura: Gecarcinucidae) endemic to Hong Kong. *Journal of Threatened Taxa* 8(3): 8564–8574; <http://dx.doi.org/10.11609/jott.2070.8.3.8564-8574>
6. Stanton, D.J., Leven, M.R and Hui, T.C.H. (2017). Distribution of *Cryptopotamon anacoluthon* (Kemp, 1918) (Crustacea: Brachyura: Potamidae), a freshwater crab endemic to Hong Kong. *Journal of Threatened Taxa* 9(2): 9786–9794; <http://doi.org/10.11609/jott.3007.9.2.9786-9794>
7. **Species in bold are considered of conservation importance.**

Abbreviations:

Relative abundance: + = Rare, ++ = Occasional, +++ = Common  
 CH: Channel; WAT: Watercourse (natural and semi-natural)