

### Appendix 8.10: Aquatic Species Recorded across All Aquatic Sampling Points within the Study Area

Common name	Species Name	Rarity and distribution in Hong Kong	Conservation Status	Relative abundance in channel and watercourse within the Proposed Works Limit		Relative abundance in channel and watercourse outside the Proposed Works Limit but within the 500m Study Area	
				Channel	Watercourse	Channel	Watercourse
Fish							
Nile tilapia	<i>Oreochromis niloticus</i>	Common. A widespread species occurs in most local streams, rivers and reservoirs. The fish is also cultivated in some fish farms.	-	+++	+++	+++	+++
Dwarf snakehead	<i>Channa gachua</i>	Probably an introduced species. Records from a few streams in North District.	-	+			++
Spotted snakehead	<i>Channa maculata</i>	Uncommon in the wild. Records from a few streams in North District, Tuen Mun, on Hong Kong and Lantau Island. It is a relatively important food fish and cultivated in some fish farms. The fish is also available in local fish market.	-			+	
Snakehead murrel	<i>Channa striata</i>	Uncommon in the wild and is an introduced species. Records from a few streams in North District and on Lantau Island.	-		+		
Guppy	<i>Poecilia reticulata</i>	Common. Occurs in large number in many local streams and ponds.	-	++	++	+++	
Mosquito fish	<i>Gambusia affinis</i>	Introduced as a mosquito-control agent, widespread in local freshwater bodies	-	++	++	+++	
North African catfish	<i>Clarias gariepinus</i>	-	-	+			
Varigated carp	<i>Cyprinus carpio</i> var.	Not common in streams but occurs in many reservoirs and cultivated in fishponds as food fish.	-		+		
Invertebrate							
Apple snail	<i>Pomacea canaliculata</i>	-	-	++		++	
-	<i>Sinotaia quadrata</i>	-	-	+++		+++	

-	<i>Ptilomera tigrina</i>	-	-		+	+	
-	<i>Metrocoris</i> sp.	-	-		+	+	

## Notes:

1. AFCD (2019). Hong Kong Biodiversity Database.
2. Yue & Chen (1998). China Red Data Book of Endangered Animals: Pisces.
3. International Union of Conservation for Nature. (2019). The IUCN Red List of Threatened Species. Version 2020-1.
4. 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.

## Abbreviations:

Relative abundance: +++ = abundant; ++ = uncommon; + = scarce