

Appendix 8.3f: Freshwater Fauna Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)(2)(3)</sup>	AFCD Species of Conservation Concern	Level of Concern <sup>(4)</sup>	Protection Status in China <sup>(5)</sup>	China Red Data Book <sup>(6)</sup>	Red List of China's Vertebrates <sup>(7)</sup>	IUCN Red List (Version 2021.1) <sup>(8)</sup>	500m Assessment Area				
									FS1	FS2	FS3	FS4	NWC
Mosquito Fish	<i>Gambusia affinis</i>	Common. Introduced species.	-	-	-	-	-	Least Concern	++		++		
Nile Tilapia	<i>Oreochromis niloticus</i>	Common. Also cultivated.	-	-	-	-	-	Least Concern			+		
Large Stream Snail	<i>Sulcospira hainanensis</i>	Abundant and widespread; Very Common <sup>(2)</sup>	-	-	-	-	-	Least Concern	+		+		
Apple Snail	<i>Pomacea canaliculata</i>	Invasive species	-	-	-	-	-	Least Concern	+	++	+		
Red-rimmed Melania	<i>Melanooides tuberculata</i>	-	-	-	-	-	-	Least Concern	+++				++
Mayfly	Order Ephemeroptera	Common	-	-	-	-	-	-	+				
Blood Worm	<i>Chironomus plumosus</i>	Abundant in polluted waters; Very Common	-	-	-	-	-	-					+
Yellow Featherlegs	<i>Copera marginipes</i>	Abundant; Widespread	-	-	-	-	-	Least Concern	+ (nymph)				+

Notes:

(1) Lee, L. F., Lam, K. S., Ng, K. Y., Chan, K. T. and Young, L. C. (2004). *Field Guide to the Freshwater Fish of Hong Kong*. Friends of the Country Parks.

(2) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.

(3) Dudgeon, D. (2003). Hillstreams - Hong Kong Field Guides 2. The Department of Ecology and Biodiversity, The University of Hong Kong. Hong Kong: Wan Li Book Co., Ltd.

(4) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Lee, K.S., Leven, M.R., Wilson, K.D.P. & Yu, Y.T. (2002). Wild Animals to Watch: Terrestrial and Freshwater Fauna of Conservation Concern in Hong Kong. *Memoirs of the Hong Kong Natural History Society* 25:123-159: LC=Local Concern; PRC=Potential Regional Concern; RC=Regional Concern; PGC=Potential Global Concern; GC=Global Concern.

(5) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).

(6) Yue, P.Q. & Chan, Y.Y. (1998). China Red Data Book of Endangered Animals. Pisces. First Edition. Beijing: Science Press.

(7) Jiang, Z.G., et al. (2016). Red List of China's Vertebrates. *Biodiversity Science* 24(5): 500-551.

(8) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.

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

Natural Watercouse is abbreviated as NWC.