

Appendix 10.11 Presence of Freshwater Fauna Recorded within the Survey Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status <sup>1</sup>	500m Assessment Area						Habitat <sup>2/3</sup>		Project Area (Aboveground)				
					MWL	FSW	PL	S/G	WC	RE	AL	DA	MWL	PL	S/G	WC	DA
<b>Freshwater Fish</b>																	
1	Predaceous Chub	<i>Parazacco spilurus</i>	異鱧	CRDB: VU						+++							
2	Oriental Weatherfish	<i>Misgurnus anguillicaudatus</i>	泥鰍	-						+							
3	Flat-headed Loach	<i>Oreonectes platycephalus</i>	平頭嶺鰍	-						++							
4	Mosquito Fish	<i>Gambusia affinis</i>	食蚊魚	-						++							
5	Guppy	<i>Poecilia reticulata</i>	孔雀花鱗	-						+++							
6	Nile Tilapia	<i>Oreochromis niloticus</i>	尼羅口孵非鯽	-						+++	++++						
7	-	<i>Rhinogobius duospilus</i>	溪吻鰕虎魚	-						++							
<b>Freshwater Invertebrates</b>																	
1	Unidentified Skimmer (Larva)	<i>Orthetrum sp.</i>	灰蜻屬 (稚蟲)	-						++						++	
2	Emerald Cascader (Larva)	<i>Zygonyx iris</i>	彩虹蜻 (稚蟲)	Fellowes: PGC						++							
3	Mayfly (Ephemeroptera) Larva	<i>Baetidae sp.</i>	蜉蝣幼蟲	-						+							
4	Mayfly (Ephemeroptera) Larva	<i>Leptophlebiidae sp.</i>	蜉蝣幼蟲	-						+							
5	Backswimmer	<i>Enithares sp.</i>	仰泳蟾	-						+++						+++	
6	Water Strider	<i>Ptilomera tigrina</i>	水黽	-						+++						+++	
7	Ripple Bug	<i>Veliidae sp.</i>	寬肩蟾	-						++						++	
8	Caddisfly (Trichoptera) Larva	<i>Hydropsychidae sp.</i>	石蛾幼蟲	-						+							
9	Caddisfly (Trichoptera) Larva	<i>Odontoceridae sp.</i>	石蛾幼蟲	-						+							
10	Caddisfly (Trichoptera) Larva	<i>Psilotreta sp.</i>	石蛾幼蟲	-						+							
11	Diving Beetle	<i>Platynectes dissimilis</i>	小斑短胸龍虱	-						++						++	
12	Riffle Beetle	<i>Elmidae sp. 1</i>	溪泥甲/長角泥蟲	-						+							
13	Riffle Beetle	<i>Elmidae sp. 2</i>	溪泥甲/長角泥蟲	-						+							
14	Riffle Beetle	<i>Elmidae sp. 3</i>	溪泥甲/長角泥蟲幼蟲	-						+							
15	Water Scavenger Beetle	<i>Agraphydrus sp.</i>	水龜甲/牙蟲	-						+							
16	Water Scavenger Beetle	<i>Coelostoma sp.</i>	水龜甲/牙蟲	-						+++						+++	
17	Marsh Beetle Larva	<i>Scirtidae sp.</i>	沼甲幼蟲	-						+							
18	Freshwater Shrimp	<i>Caridina sp.</i>	米蝦屬	-						++++						++++	
19	Freshwater Prawn	<i>Macrobrachium sp.</i>	沼蝦屬	-						+							
20	Freshwater Crab	<i>Cryptopotamon anacoluthon</i>	鯉刺溪蟹	Fellowes: PGC; IUCN(VU)						++							
21	Freshwater Crab	<i>Nanhaipotamon hongkongense</i>	香港南海溪蟹	Fellowes: PGC						+							
22	Freshwater Crab	<i>Somanniathelphusa zanklon</i>	鎌刀束腰蟹	Fellowes: GC; IUCN(EN)						++						++	
23	Mitten Crab	<i>Eriocheir japonica</i>	絨螯蟹	-						+							
24	Freshwater Snail	<i>Sulcospira hainanensis</i>	海南溝蜆	-						+							
25	Leech	<i>Hirudinea sp.</i>	水蛭	-						+							
<b>TOTAL</b>					<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>

Notes:

1. Conservation and Protection Status:

a. Fellowes - Fellowes *et al.* (2002): PGC = Potential Global Concern, GC = Global 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.

b. CRDB - China Red Data Book (1998): VU = Vulnerable

c. IUCN - IUCN (2022): VU = Vulnerable

2. MWL = Mixed Woodland, FSW = Fung Shui Wood, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

3. Relative abundance: +: Scarce, ++: Uncommon, +++: Common, ++++: Abundant

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes *et al.* 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.

IUCN. (2022). The IUCN Red List of Threatened Species (Version 2022-1). Accessed from <<http://www.iucnredlist.org>> in Jan 2022.