

Appendix 10.8 Relative Abundance of Amphibian Species Recorded Within Survey Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation and Protection Status ¹	Rarity in Hong Kong ²	Distribution in Hong Kong ³	Habitat ^{4,5}												
							500m Assessment Area					Project Area (Aboveground)							
							MWL	FSW	PL	S/G	WC	RE	AL	DA	MWL	PL	S/G	WC	DA
1	Asian Common Toad	<i>Duttaphrynus melanostictus</i>	黑眶蟾蜍	-	Least Concern	Widely distributed in Hong Kong.	++		+	+	+			+	++	+	+	+	+
2	Asiatic Painted Frog	<i>Kaloula pulchra</i>	花狹口蛙	-	Least Concern	Widely distributed in Hong Kong.					+								+
3	Butler's Pigmy Frog	<i>Microhyla butleri</i>	粗皮姬蛙	-	Least Concern	Widely distributed in Hong Kong.					+								
4	Marbled Pigmy Frog	<i>Microhyla pulchra</i>	花姬蛙	-	Least Concern	Widely distributed in Hong Kong.								+					
5	Hong Kong Cascade Frog	<i>Amolops hongkongensis</i>	香港湍蛙	Cap.170; Fellowes: PGC; RLCV(EN); IUCN(EN)	Potential Concern	Widely distributed in Hong Kong.					+								
6	Paddy Frog	<i>Fejervarya multistriata</i>	澤蛙	-	Least Concern	Widely distributed in Hong Kong.					+			+					+
7	Chinese Bullfrog	<i>Hoplobatrachus rugulosus</i>	虎紋蛙	Fellowes: PRC; CSMPS(II); RLCV(EN)	Potential Concern	Widely distributed in Hong Kong.					+								
8	Lesser Spiny Frog	<i>Quasipaa exilispinosa</i>	小棘蛙	Fellowes: PGC; RLCV(VU); IUCN(VU)	Potential Concern	Widely distributed in upland forest streams throughout Hong Kong.					++								
9	Günther's Frog	<i>Sylvirana guentheri</i>	沼蛙	-	Least Concern	Widely distributed throughout Hong Kong.					++			+				++	+
10	Brown Tree Frog	<i>Polypedates megacephalus</i>	斑腿泛樹蛙	-	Least Concern	Widely distributed throughout Hong Kong.	+	+			+				+				+
11	Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	溫室蟾	-	-	Widely distributed throughout Hong Kong.	+		+	++	++				+	+	++	++	
TOTAL							3	1	2	2	10	0	0	4	3	2	2	6	2

Notes:

1. Conservation and Protection Status:

- Cap. 170: Protected under Wild Animals Protection Ordinance
- Fellowes - Fellowes et al. (2002): PRC = Potential Regional Concern, PGC = Potential 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.
- CSMPS- China State Major Protection Status: Appendix (I) or Appendix (II)
- RLCV - Red List of China's Vertebrate (2016): VU = Vulnerable, EN: Endangered
- IUCN - International Union for Conservation of Nature Red List of Threatened Species (2022). VU = Vulnerable, EN: Endangered

2. Rarity as per AFCD. 2009. The Proposed Action Plan for the Conservation of Amphibians in Hong Kong (NCSC 4/09). Annex 1.

3. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

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

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

6. References:

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

AFCD. 2009. The Proposed Action Plan for the Conservation of Amphibians in Hong Kong (NCSC 4/09). Annex 1. Accessed from <http://www.epd.gov.hk/epd/textonly/english/boards/advisory_council/files/ncsc_paper04_2009.pdf> in Sep 2014

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.

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

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