

## Appendix 9.6

## Cave-Dwelling Bat Species Recorded within/in the vicinity of the Water Tunnels within the Assessment Area

Number	Common name	Scientific name	Rarity and distribution in Hong Kong <sup>12</sup>	Protection or conservation status <sup>2345</sup>	Abundance in Tai Lam Chung Water Tunnel No. 6			Abundance in Tai Lam Chung Water Tunnel No. 8		
					Non-overwintering and non-breeding-season count	Overwintering count	Breeding season count	Non-overwintering and non-breeding-season observation	Overwintering count	Breeding season count
1	Himalayan Leaf-nosed Bat	<i>Hipposideros armiger</i>	Very common. Widely distributed in countryside areas throughout Hong Kong.	Fellowes et al. (2002): (LC) Cap. 170	26 (also observed emerging from the tunnel and recorded acoustically)		24 (also observed emerging from the tunnel and recorded acoustically)	Observed emerging from the water tunnel and recorded acoustically	8	100 (also observed emerging from the tunnel and recorded acoustically)
2	Leschenault's Rousette	<i>Rousettus leschenaultii</i>	Common. Fairly widely distributed in countryside areas throughout Hong Kong.	Fellowes et al. (2002): (LC) Cap. 170 IUCN Red List of Threatened Species (2023): NT				Observed emerging from the water tunnel and recorded acoustically	~350 (also observed emerging from the tunnel)	~500 (encompassing around 200 juveniles, also observed emerging from the tunnel)
3	Intermediate Horseshoe Bat	<i>Rhinolophus affinis</i>	Uncommon. Widely distributed in countryside areas throughout Hong Kong.	Fellowes et al. (2002): (LC) Cap. 170	Recorded acoustically	2 (also recorded acoustically)				
4	Least Horseshoe Bat	<i>Rhinolophus pusillus</i>	Uncommon. Widely distributed in countryside areas throughout Hong Kong.	Fellowes et al. (2002): PRC, (RC) Cap. 170	Recorded acoustically					
5	Chinese Horseshoe Bat	<i>Rhinolophus sinicus</i>	Very common. Widely distributed in countryside areas throughout Hong Kong.	Cap. 170	7 (also observed emerging from the tunnel and recorded acoustically)		3 (also observed emerging from the tunnel and recorded acoustically)	Observed emerging from the water tunnel and recorded acoustically		10
6	Unidentified Bent-winged Bat	<i>Miniopterus</i> sp.	/	Cap. 170					2 (also observed emerging from the tunnel)	
7	Rickett's Big-footed Myotis	<i>Myotis pilosus</i>	Common. Fairly widely distributed in countryside areas throughout Hong Kong..	Fellowes et al. (2002): (LC) Cap. 170 IUCN Red List of Threatened Species (2023): VU		2				

Number	Common name	Scientific name	Rarity and distribution in Hong Kong <sup>1 2</sup>	Protection or conservation status <sup>2 3 4 5</sup>	Abundance in Tai Lam Chung Water Tunnel No. 6			Abundance in Tai Lam Chung Water Tunnel No. 8		
					Non-overwintering and non-breeding-season count	Overwintering count	Breeding season count	Non-overwintering and non-breeding-season observation	Overwintering count	Breeding season count
8	Chinese Myotis	<i>Myotis chinensis</i>	Uncommon. Fairly widely distributed in countryside areas throughout Hong Kong.	China Red Data Book: VU Fellowes <i>et al.</i> (2002): (LC) <b>Cap. 170</b>	4		1			
Number of cave-dwelling bat species recorded within/in the vicinity of each water tunnel					5	2	3	3	3	3
Total number of cave-dwelling bat species recorded within/in the vicinity of each water tunnel					6			4		
Total number of cave-dwelling bat species recorded within/in the vicinity of the water tunnels within the assessment area					8					

## Note

- Agriculture, Fisheries and Conservation Department (2022). Species Database of the Hong Kong Biodiversity Information Hub.
- International Union of Conservation for Nature. (2023). The IUCN Red List of Threatened Species. Version 2022-2.
- Shek (2006). A Field Guide to the Terrestrial Mammals of Hong Kong.
- 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
- Wang (1998). China Red Data Book of Endangered Animals: Mammalia.
- Wild Animals Protection Ordinance (Cap. 170)
  - Species in bold are considered of conservation importance**
  - Lesser Bamboo Bat and an unidentified bat species recorded at the eastern entry of TLC Water Tunnel No. 8, which falls outside the assessment area, and thus are not presented in Appendix 9.3.

## Abbreviations

- Protection or conservation status: LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern; VU = Vulnerable