

APPENDIX 13.2. MAMMALS

Appendix 13.2.1. Terrestrial mammal species recorded in the Study Area in this and/or previous studies. Where study boundaries of previous studies extend beyond the current study area boundary, only records from within the area covered by this study are included. Note that for some sources, lists are incomplete and/or only some records are attributed to a specific locality.

Species	Conservation and Protection Status ¹	NENT Study - KTN ²	Present Study - KTN	AFCD Biodiversity Database 2002 to June 2012- KTN	Hung and Pang (2008)	Wan (2010)	NENT Study - FLN ²	Present Study - FLN	AFCD Biodiversity Database 2002 to June 2012 - FLN	Other Studies ³
Musk Shrew <i>Suncus murinus</i>	-									Y
Grey Shrew <i>Crocidura attenuata</i>	-							Y		
Short-nosed Fruit Bat <i>Cynopterus sphinx</i>	Cap. 170, CRDB(I)	Y	Y	Y				Y	Y	Y
Pomona Leaf-nosed Bat <i>Hipposideros pomona</i>	Cap. 170, (LC)									Y*
Brown Noctule <i>Nyctalus noctula</i>	Cap. 170, PRC/(RC)		Y							
Japanese Pipistrelle <i>Pipistrellus abramus</i>	Cap. 170		Y			Y*		Y		(Y)
Unidentified bat sp. 1	n/a		Y					Y		
Unidentified bat sp. 2	n/a		Y							
Lesser Yellow Bat <i>Scotophilus kuhlii</i>	(LC)									(Y) ⁴
Greater Bandicoot Rat <i>Bandicota indica</i>	LC	(Y)			{Y}	Y^				
Roof Rat <i>Rattus rattus</i>	-									Y
Brown Rat <i>Rattus norvegicus</i>	-									Y
Ryukyu Mouse <i>Mus caroli</i>	-									Y
East Asian Porcupine <i>Hystrix brachyura</i>	Cap. 170, PGC	(Y)			{Y}					
Eurasian Otter <i>Lutra lutra</i>	CAP 170, App.I in CITES, RC, IUCN(NT), CRDB(VU), Class II in China									Y
Small-toothed Ferret Badger <i>Melogale moschata</i>	Cap. 170				{Y}					

Species	Conservation and Protection Status ¹	NENT Study - KTN ²	Present Study - KTN	AFCD Biodiversity Database 2002 to June 2012- KTN	Hung and Pang (2008)	Wan (2010)	NENT Study - FLN ²	Present Study - FLN	AFCD Biodiversity Database 2002 to June 2012 - FLN	Other Studies ³
Masked Palm Civet <i>Paguma larvata</i>	Cap. 170, PRC			Y	{Y}					
Small Indian Civet <i>Viverricula indica</i>	Cap. 170, Class II in China			Y		(Y)#		Y		
Small Asian Mongoose <i>Herpestes javanicus</i>	Cap. 170	Y	Y		Y	(Y)				Y
Domestic Dog <i>Canis lupus familiaris</i>	-					Y#				
Leopard Cat <i>Prionailurus bengalensis</i>	Cap. 170, App. II in CITES, CRDB(VU)	(Y)		Y	{Y}		(Y)			Y
Domestic Cat <i>Felis catus</i>	-					Y#				
Eurasian Wild Pig <i>Sus scrofa</i>	-		Y	Y	{Y}	Y#				Y
Red Muntjac <i>Muntiacus muntjak</i>	PRC				X					Y
Domestic Ox <i>Bos taurus</i>	-					Y^				Y

Note:

- Conservation and protection status refers to Cap 170, <http://www.sepa.gov.cn>, UNEP-WCMC (2012), Fellowes *et al.* (2002), IUCN (2013) and China Red Data Book (Wang 1998a).
 - Cap. 170 = Chapter 170 Wild Animals Protection Ordinance.
 - Conservation Status by Fellowes *et al.* (2002): RC = Regional Concern; PRC = Potential Regional Concern; LC = Local Concern. Letters in bracket represents the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
 - Conservation Status by IUCN (2012): NT = Near Threatened.
 - Conservation Status by China Red Data Book (Wang 1998): VU = Vulnerable; I = Indeterminate.
- Maunsell (2003).
- Arup (2010), Atkins (2010), Binnie, Black and Veatch (2002), Dudgeon and Corlett (2001), Mott Macdonald (2010 & 2012).
- Record from Maunsell (1997). The location recorded is uncertain and may not have been within the Study Area.

Key:

- Y = Species recorded in the corresponding study.
(Y) = Reported as having been observed in other surveys by the Study.
{Y} = Reported observation considered "doubtful" by Hung & Pang (2008), who nevertheless stated that description by observers was convincing.
X = Reported as having occurred in the past, but no longer present (Hung & Pang 2008).
* = Suspected record.
^ = Observed during the course of the Study but not recorded by camera traps.
= Recorded by camera traps during the course of the Study.

Appendix 13.2.2. Terrestrial mammals recorded in the Kwu Tung North NDA and observations during further surveys for this Study.

Species	Conservation Status ¹	Habitat Type ²	
		MA	SecW
Small Asian Mongoose <i>Herpestes javanicus</i>	-	1	
Eurasian Wild Pig <i>Sus scrofa</i>	-	1	1
Total number of mammal species recorded		2	1

Note:

- Conservation status refers UNEP-WCMC (2012), Fellowes *et al.* (2002), IUCN (2013) and China Red Data Book (Wang 1998a).
- Habitats: MA = Marsh; SecW = Secondary Woodland. No records from habitat types not listed.

Appendix 13.2.3. Terrestrial mammals recorded in the Fanling North NDA and observations during further surveys for this study.

Species	Conservation Status ¹	Habitat Type ²		
		GR/SH	PL/MP	VA
Grey Shrew <i>Crocidura attenuata</i>	-			1#
Short-nosed Fruit Bat <i>Cynopterus sphinx</i>	CRDB(I)		3	
Small Indian Civet <i>Viverricula indica</i>	-	@		
Total number of mammal species recorded		1	1	1

Note:

- Conservation status refers to Fellowes *et al.* (2002), IUCN (2013) and China Red Data Book (Wang 1998a).
 - Conservation Status by China Red Data Book (Wang 1998): I = Indeterminate.
- Habitats: GR/SH = Grassland/Shrubland; PL/MP = Plantation/Mitigation Plantation, VA = Village Area. No records from habitat types not listed.

Key:

- # = Dead individual.
@ = Scat found.

Appendix 13.2.4. Relative abundance of bats recorded in the Kwu Tung North NDA and observations during further surveys for this Study.

Species	Conservation Status ¹	Site / Habitat Type ²											
		Long Valley	Ho Sheung Heung						Other				
			WA	DA	MW	CS	FSW/SecW	VA	PO	NS	GR/SWG	PL/MP	VA
Short-nosed Fruit Bat <i>Cynopterus sphinx</i>	CRDB(I)							+					
Brown Noctule <i>Nyctalus noctula</i>	PRC/(RC)							+					
Japanese Pipistelle <i>Pipistrellus abramus</i>	-	++++	+++	+++	++	++++	++	+++	++	+++	++	++	++
Unidentified bat sp. 1	-	++	+			++		+					
Unidentified bat sp. 2	-						+						
Total number of bat species recorded		2	2	1	1	2	2	4	1	1	1	1	1

Note:

- Conservation and protection status refers to Fellowes *et al.* (2002), IUCN (2013) and China Red Data Book (Wang 1998a).

- a. Conservation Status by Fellowes *et al.* (2002): RC = Regional Concern; PRC = Potential Regional Concern. Letters in bracket represents the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
- b. Conservation Status by China Red Data Book (Wang 1998): I = Indeterminate.
2. Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; MW = Mitigation Wetland; CS = Channelised Watercourse; FSW/SecW = *Fung Shui* Wood/Secondary Woodland; VA = Village Area; PO = Pond; NS = Natural Watercourse; GR/SWG = Grassland/Seasonally Wet Grassland; PL/MP = Plantation/Mitigation Plantation. No records from habitat types not listed.

Key:

Abundance: + = Least abundant; ++++ = Most abundant.

Appendix 13.2.5. Relative abundance of bats recorded in the Fanling North NDA and observations during further surveys for this Study.

Species	Conservation Status ¹	Site / Habitat Type ²										
		Eastern FLN						Western FLN				
		DA	MW	CS	OR	PL/MP	VA	WA	PO	MW	CS	PL/MP
Japanese Pipistelle <i>Pipistrellus abramus</i>	-	+++	++	+	+	++	++	++++	++++	++++	++	++++
Unidentified bat sp. 1	-			++								
Total number of bat species recorded		1	1	2	1	1	1	1	1	1	1	1

Note:

1. Conservation status refers to Fellowes *et al.* (2002), IUCN (2013) and China Red Data Book (Wang 1998a).
2. Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; PO = Pond; MW = Mitigation Wetland; CS = Channelised Watercourse; OR = Orchard; PL/MP = Plantation/Mitigation Plantation; VA = Village Area. No records from habitat types not listed.

Key:

Abundance: + = Least abundant; ++++ = Most abundant.