



Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	SL	GL	V/O	DA	IF
Common Sandpiper <sup>(10)</sup>	<i>Actitis hypoleucos</i>	Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern	+	+	+	+++										+
Common Snipe <sup>(10)</sup>	<i>Gallinago gallinago</i>	Common passage migrant and winter visitor. Found in Long Valley, Chau Tau, Sai Kung	W	-	-	-	Least Concern	Least Concern	+			+										
Common Tailorbird	<i>Orthotomus sutorius</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+	+	+	+	++	++	++	++	++	++	+++
Crested Goshawk <sup>(2)</sup>	<i>Accipiter trivirgatus</i>	Common resident. Widely distributed in woodlands and shrublands throughout Hong Kong.	R	-	Class II	Rare	Near Threatened	Least Concern								+						+
Crested Myna	<i>Acridotheres cristatellus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++	+++	++	+++	+	+++		+++	+	+	++	+++	++++	++
Crested Serpent Eagle <sup>(2)</sup>	<i>Spilornis cheela</i>	Common resident. Widely distributed in shrublands on hillsides throughout Hong Kong.	R,M	(LC)	Class II	Vulnerable	Near Threatened	Least Concern													+	+
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+		+		+	+	+	+	+	+	+	+	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+	+	+		+	+	+	+	+	+	+	++	
Eastern Buzzard <sup>(2)(10)</sup>	<i>Buteo japonicus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	Class II	-	Least Concern	Least Concern								+					+	+
Eastern Cattle Egret <sup>(10)</sup>	<i>Bubulcus coromandus</i>	Resident and common passage migrant. Widely distributed in Hong Kong.	P	(LC)	-	-	Least Concern	Least Concern			+	+					+				+	
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Common passage migrant and winter visitor. Widely distributed in agricultural fields and marsh edges throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern	+	+	+	+								+		
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Locally common resident. Found in Mai Po, Tsim Bei Tsui and Fung Lok Wai.	-	-	-	-	Least Concern	Least Concern			+										+	
Eurasian Spoonbill <sup>(2)(10)</sup>	<i>Platalea leucorodia</i>	Uncommon winter visitor. Found in Deep Bay area.	W	LC	Class II	Vulnerable	Near Threatened	Least Concern														+
Eurasian Teal <sup>(10)</sup>	<i>Anas crecca</i>	Common winter visitor. Found in Deep Bay area, Shuen Wan, Tai Lam Chung Reservoir, Victoria Harbour, urban parks.	W	RC	-	-	Least Concern	Least Concern		++	+	++++										
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	++	+++	++	++	++		+	+	+	+	+++	++++	
Eurasian Woodcock <sup>(10)</sup>	<i>Scolopax nisticola</i>	Uncommon autumn passage migrant and winter visitor. Found in Cloudy Hill, Tai Po Kau, Shek Kong.	W	-	-	-	Least Concern	Least Concern								+						
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common resident and winter visitor. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern										+		+		
Great Cormorant <sup>(10)</sup>	<i>Phalacrocorax carbo</i>	Common winter visitor. Widely distributed in coastal areas throughout Hong Kong.	W	PRC	-	-	Least Concern	Least Concern			++	+										++
Great Egret <sup>(10)</sup>	<i>Ardea alba</i>	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	+	+	+	++++		+					+			+
Greater Coucal	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern	++	+	+	+	+	+	+	+	+	+	+	+	+	
Greater Necklaced Laughingthrush	<i>Pterorhinus pectoralis</i>	Locally common resident. Widely distributed in shrubland and woodland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern								+	+	+				
Greater Painted-snipe <sup>(10)</sup>	<i>Rostratula benghalensis</i>	Locally common resident. Found in Ha Tsuen, Lok Ma Chau, Kam Tin, Long Valley, Hong Kong Wetland Park	M,R	LC	-	-	Least Concern	Least Concern				+										
Green Sandpiper <sup>(10)</sup>	<i>Tringa ochropus</i>	Common migrant and winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Shek Kong, Ho Chung.	W	-	-	-	Least Concern	Least Concern	+	+	+	+++							+	+	+	
Grey Heron <sup>(10)</sup>	<i>Ardea cinerea</i>	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Aguilar.	W	PRC	-	-	Least Concern	Least Concern	+	++	+	++++		+		+			+		+	+
Grey Wagtail	<i>Motacilla cinerea</i>	Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern			+	+	+++		+			+			+	
Grey-backed Thrush	<i>Turdus hortulorum</i>	Common winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern										+				
Grey-headed Lapwing <sup>(10)</sup>	<i>Vanellus cinereus</i>	Locally common winter visitor and migrant. Found in Kam Tin, Tsim Bei Tsui, Lo Wu, Tai Long Wan, Shuen Wan, Castle Peak coast, Chek Lap Kok.	W	LC	-	-	Least Concern	Least Concern				++										
Grey-streaked Flycatcher	<i>Muscicapa griseisticta</i>	Uncommon passage migrant. Widely distributed in Hong Kong.	M	-	-	-	Least Concern	Least Concern		+								+				
Hair-crested Drongo	<i>Dicurus hottentottus</i>	Common migrant and winter visitor, and locally common resident. Widely distributed in wooded area throughout Hong Kong.	M,Su,W	-	-	-	Least Concern	Least Concern	+	+		+		+	+	+	+	+	+	+	+	
House Crow	<i>Corvus splendens</i>	Locally common resident. Distributed in some urban areas.	-	-	-	-	Least Concern	Least Concern												+	+	
House Swift	<i>Apus nipalensis</i>	Abundant spring migrant and common resident. Widely distributed in Hong Kong.	R,SpM	-	-	-	Least Concern	Least Concern	+	+	+	++		+		+			+	+	+	+++
Indian Cuckoo	<i>Cuculus micropterus</i>	Locally common spring and summer visitor. Widely distributed in Hong Kong.	Su	-	-	-	Least Concern	Least Concern										+				
Intermediate Egret <sup>(10)</sup>	<i>Ardea intermedia</i>	Resident and passage migrant. Found in Deep Bay area, Tai Long Wan, Starling Inlet, Tai O, Cape D'Aguilar.	M,P	RC	-	-	Least Concern	Least Concern		+	+											
Japanese Thrush	<i>Turdus cardis</i>	Common winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern								+						
Japanese Tit	<i>Parus minor</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+		+	+	+	++	+	+	+	++	
Kentish Plover <sup>(10)</sup>	<i>Charadrius alexandrinus</i>	Abundant winter visitor and scarce migrant. Found in Deep Bay area, Chek Lap Kok, Shuen Wan, Sai Kung, Lantau Island.	W	RC	-	-	Least Concern	Least Concern			+											
Large Hawk Cuckoo	<i>Hierococyx sparveroides</i>	Locally common spring and summer visitor. Widely distributed in woodland throughout in Hong Kong.	Su	-	-	-	Least Concern	Least Concern							+				+	+	+	
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern				+		+	+	+	+	+	+	+	+	
Lesser Coucal	<i>Centropus bengalensis</i>	Uncommon resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern											+			
Little Bunting	<i>Emberiza pusilla</i>	Common passage migrant and winter visitor. Widely distributed in open area throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern													+	
Little Egret <sup>(10)</sup>	<i>Egretta garzetta</i>	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	+	+	+++	++++		+			+		+	+	++	+

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Little Grebe <sup>(10)</sup>	<i>Tachybaptus ruficollis</i>	Common resident. Found in Deep Bay area.	P	LC	-	-	Least Concern	Least Concern		+	+	+										
Little Ringed Plover <sup>(10)</sup>	<i>Charadrius dubius</i>	Resident, common winter visitor and passage migrant. Widely distributed in freshwater areas throughout Hong Kong.	W,R	(LC)	-	-	Least Concern	Least Concern		+	+	++										+
Long-tailed Shrike	<i>Lanius schach</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+					+	+	+			+
Mandarin Duck <sup>(10)</sup>	<i>Aix galericulata</i>	Scarce winter visitor. Found in Mai Po, Tai Tam, Shing Mun	-	-	Class II	Vulnerable	Near Threatened	Least Concern				+										
Marsh Sandpiper <sup>(10)</sup>	<i>Tringa stagnatilis</i>	Abundant winter visitor and migrant. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Sai Kung.	M,W	RC	-	-	Least Concern	Least Concern				+										
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	++	+	++	+	+	++	++	++	++	++	++	++	++++
Mugimaki Flycatcher	<i>Ficedula mugimaki</i>	Uncommon autumn migrant and scarce winter visitor and spring migrant. Widely distributed in Hong Kong.	M,W	-	-	-	Least Concern	Least Concern		+												
Northern Pintail <sup>(10)</sup>	<i>Anas acuta</i>	Abundant winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin.	W	RC	-	-	Least Concern	Least Concern				+										
Northern Shoveler <sup>(10)</sup>	<i>Spatula clypeata</i>	Abundant winter visitor. Found in Deep Bay area.	W	RC	-	-	Least Concern	Least Concern			+	++++										
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common passage migrant and winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+	+	+	+				+		+	+	+	
Oriental Magpie	<i>Pica serica</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+	+	+								+	+	
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	++	+	++	+	+	++	+	+	+	+	++	++++	
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Common passage migrant. Widely distributed in reed beds throughout Hong Kong.	M	-	-	-	Least Concern	Least Concern	+	+												
Pacific Golden Plover <sup>(10)</sup>	<i>Pluvialis fulva</i>	Common migrant and winter visitor. Found in Deep Bay area, Chek Lap Kok, Long Valley.	M,W	LC	-	-	Least Concern	Least Concern			+											
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor and migrant. Found in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+	+	+	+	+	+	+	+	+	+	+	+	++
Peregrine Falcon <sup>(2)(10)</sup>	<i>Falco peregrinus</i>	Locally common resident and winter visitor. Widely distributed in Hong Kong.	R,W	(LC)	Class II	-	Near Threatened	Least Concern														+
Pied Avocet <sup>(10)</sup>	<i>Recurvirostra avosetta</i>	Abundant winter visitor. Found in Deep Bay area.	W	RC	-	-	Least Concern	Least Concern				++										
Pied Kingfisher <sup>(10)</sup>	<i>Ceryle rudis</i>	Common resident. Widely distributed in lakes and ponds throughout Hong Kong.	R	(LC)	-	-	Least Concern	Least Concern		+		+										
Pintail Snipe <sup>(10)</sup>	<i>Gallinago stenura</i>	Common passage migrant. Found in Long Valley, Chau Tau, Ha Tsuen.	M	-	-	-	Least Concern	Least Concern				+										
Plain Prinia	<i>Prinia inornata</i>	Locally common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+		+	+	+								+
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Passage migrant and common visitor. Widely distributed in open area throughout Hong Kong.	Su	-	-	-	Least Concern	Least Concern		+		+					+		+		+	
Purple Heron <sup>(10)</sup>	<i>Ardea purpurea</i>	Uncommon passage migrant. Found in Deep Bay area.	AM,P	RC	-	-	Least Concern	Least Concern	+													
Red-billed Blue Magpie	<i>Urocissa erythronycha</i>	Common resident. Widely distributed in woodland edges throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+		+	+	+	+	+	+	+	+	+	+	++
Red-billed Starling <sup>(10)</sup>	<i>Spodiopsar sericeus</i>	Abundant winter visitor. Widely distributed in Hong Kong.	W	GC	-	-	Least Concern	Least Concern						+								+
Red-rumped Swallow	<i>Cecropis daurica</i>	Locally common passage migrant and winter visitor. Widely distributed in Hong Kong.	M	-	-	-	Least Concern	Least Concern											+		+	+
Red-throated Flycatcher	<i>Ficedula albicilla</i>	Common migrant and winter visitor. Widely distributed in Hong Kong.	AM,W	-	-	-	Least Concern	Least Concern		+												
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++++	++++	++	++	+	++++	++	++++	++++	++	+++	++++	++++	++++
Richard's Pipit	<i>Anthus richardi</i>	Common passage migrant, winter visitor and locally common resident. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern											+			
Rock Dove	<i>Columba livia</i>	Locally common resident. Widely distributed in urban area throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern				+										+
Rufous-capped Babbler	<i>Cyanoderma ruficeps</i>	Common resident. Found in Shing Mun, Tai Po Kau, Tai Mek Tuk, Ng Tung Chai, Fo Tan, Tai Mo Shan, The Peak, Kadoorie Agricultural Research Centre.	R	LC	-	-	Least Concern	Least Concern										+				
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon resident and passage migrant	Su,?W	-	-	-	Data Deficient	Least Concern		+		+						+	+		+	+
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	++		++++	+++				+		++	+	+++	
Scarlet Minivet	<i>Pericrocotus speciosus</i>	Common resident. Found in Tai Po Kau, the Peak, Lam Tsuen, Cape D'Aguliar Road, Shing Mun.	R	-	-	-	Least Concern	Least Concern		+						+	+				+	
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	Common resident. Widely distributed in wooded area throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+						+	+			+	+	+	
Siberian Rubythroat	<i>Calliope calliope</i>	Common winter visitor and passage migrant. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+									+				
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+							++	+		+	
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++	++	++	++	+	++	+	+	+	++	++	+++	++++	
Striated Heron <sup>(10)</sup>	<i>Butorides striata</i>	Common summer visitor. Widely distributed in Hong Kong.	Su	(LC)	-	-	Least Concern	Least Concern						+								
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,?W	-	-	-	Least Concern	Least Concern	++	+	+	+	+	+	++	+++	+++	+++	++	++	++++	
Tufted Duck <sup>(10)</sup>	<i>Aythya fuligula</i>	Abundant winter visitor. Found in Deep Bay area, Nam Chung, Starling Inlet.	W	LC	-	-	Least Concern	Least Concern			+											
Verditer Flycatcher	<i>Eumyias thalassinus</i>	Uncommon winter visitor. Found in Shek Kong, Tai Po Kau, Mui Tze Lam, Lai Chi Wo, Wun Yiu.	W	-	-	-	Least Concern	Least Concern								+						

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Von Schrenck's Bittern <sup>(10)</sup>	<i>Ixobrychus eurhythmus</i>	Scarce passage migrant. Found in Tai Long Wan, Luk Keng, Long Valley	M	RC	-	-	Least Concern	Least Concern	+													
Eurasian Whimbrel <sup>(10)</sup>	<i>Numenius phaeopus</i>	Common passage migrant and scarce winter visitor. Found in Deep Bay area, Sai Kung, Tung Ping Chau, Ninepins, Cape D'Aguilar, Pok Fu Lam.	M	LC	-	-	Least Concern	Least Concern				+										
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern	+	++	++	++++		++			+		+	+	+	++
White-breasted Waterhen <sup>(10)</sup>	<i>Amaurornis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong	R	-	-	-	Least Concern	Least Concern	+++	+	+	+++		+	+	+		+	+	+	+	
White-cheeked Starling	<i>Spodiopsar cinereus</i>	Locally common winter visitor. Found in Deep Bay area, Kam Tin, Long Valley.	W	PRC	-	-	Least Concern	Least Concern		+	+										+	
White-rumped Munia	<i>Lonchura striata</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern				+					+		+			
White's Thrush	<i>Zoothera aurea</i>	Uncommon winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern									+	+				
White-shouldered Starling	<i>Sturnia sinensis</i>	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mai Wo, Lam Tsuen Valley.	M,W,Su	(LC)	-	-	Least Concern	Least Concern	+	++	+	+	+	+						+	+	
White-throated Kingfisher <sup>(10)</sup>	<i>Halcyon smymensis</i>	Common resident. Widely distributed in coastal areas throughout Hong Kong.	AM,P	(LC)	-	-	Least Concern	Least Concern	+	+	+	+					+		+			
Wood Sandpiper <sup>(10)</sup>	<i>Tringa glareola</i>	Common migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	LC	-	-	Least Concern	Least Concern			+	+++										
Yellow Bittern <sup>(10)</sup>	<i>Ixobrychus sinensis</i>	Uncommon summer visitor and common passage migrant. Found in Deep Bay area, Chek Keng, Tai Long Wan.	M,Su	(LC)	-	-	Least Concern	Least Concern	+													
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	++	+	+	+	+	+	+	+	+	++	+	++	
Yellow-breasted Bunting	<i>Emberiza aureola</i>	Scarce spring and rare winter passage migrant. Widely distributed in agriculture land and reed beds throughout Hong Kong.	M	RC	-	-	Endangered	Critically Endangered														+
Yellow-browed Bunting	<i>Emberiza chrysophrys</i>	Scarce winter visitor and passage migrant. Found in Deep Bay area, Ho Chung, Nam Chung, Ping Yeung, Tan Shan Valley, Cheung Chau, Long Valley.	M	-	-	-	Least Concern	Least Concern														+
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern		+						+	+	+	+	+	+	++
<b>Total No. of Species Recorded</b>									<b>52</b>	<b>65</b>	<b>56</b>	<b>73</b>	<b>13</b>	<b>42</b>	<b>23</b>	<b>38</b>	<b>43</b>	<b>33</b>	<b>52</b>	<b>43</b>	<b>69</b>	<b>21</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven, M.R., Lewtwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong Bird Watching Society, Hong Kong. R=resident; W=winter visitor; Su=summer visitor; M=migrant; Sp=spring; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear

(5) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; V/O=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight Species of conservation importance is in bold type face.

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

10.3a Butterfly Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Local Restrictedness and species of conservation concern <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	SL	GL	VO	DA
Water Snow Flat	<i>Tagiades litigiosus</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+						
Chestnut Angle	<i>Odontoptilum angulatum</i>	Widely distributed throughout Hong Kong	Common	-	-	-													+
<b>Spotted Angle</b>	<b><i>Caprona alida</i></b>	Lantau South Country Park, Nam Chung, Lung Kwu Tan, Pat Sin Lang	Very rare	LC	-	-												+	
Bush Hopper	<i>Ampittia dioscorides</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-		+							+				
Forest Hopper	<i>Astictopterus jama</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+	+		+
Grass Demon	<i>Udaspes folus</i>	Widely distributed throughout Hong Kong	Rare <sup>8</sup>	-	-	-	+												+
Chinese Dart	<i>Potanthus confucius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-					+							+	
-	<i>Potanthus sp.</i>	-	-	-	-	-							+						
Pale Palm Dart	<i>Telicota colon</i>	Widely distributed throughout Hong Kong	Rare <sup>8</sup>	LC	-	-													+
-	<i>Telicota sp.</i>	-	-	-	-	-	+												
Rare Swift	<i>Parnara ganga</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-		+											+
Formosan Swift	<i>Borbo cinnara</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+		+					+			+	
Bevan's Swift	<i>Pseudoborbo bevani</i>	Keung Shan, Sham Chung, Cheung Sheung, San Uk Ha, Tai Mo Shan, Shing Mun, Pui O, Ngong Ping	Uncommon	-	-	-												++	
-	<i>Pelopidas sp.</i>	-	-	-	-	-													+
Banded Demon	<i>Notocrypta paralyos</i>	Widely distributed throughout Hong Kong	Rare	-	-	-									+				
Common Bluebottle	<i>Graphium sarpedon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+	+	+		+	+	+	+	+	+	+
Common Jay	<i>Graphium doson</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+										+	+
Tailed Jay	<i>Graphium agamemnon</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+			+	+				+	+
Five-bar Swordtail	<i>Pathysa antiphates</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+						+	+			+	+
Common Mime	<i>Chilasa clytia</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+	+		+	+		+	+	+	+
<b>Swallowtail</b>	<b><i>Papilio xuthus</i></b>	Kap Lung, Ma On Shan, Tai Tam, Sha Lo Wan, Kat O, Lung Kwu Tan, Wu Kau Tang, Lung Kwu Chau	Rare	-	-	-	+			+								++	+
Lime Butterfly	<i>Papilio demoleus</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+				+				+	+		+
Red Helen	<i>Papilio helenus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+		+		+	+	+	+	+	+	+	++
Common Mormon	<i>Papilio polytes</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++	++	+	++		++	+	++	++	+++	+++	+++	++++
Great Mormon	<i>Papilio memnon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+		+		+	+	+	+	+	+	+	++
Spangle	<i>Papilio protenor</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+		+	+	+	+	+	+	+	++
Chinese Peacock	<i>Papilio bianor</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+			+	+
Paris Peacock	<i>Papilio paris</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+		+			+	+	+	+	++	+	++
<b>Common Birdwing<sup>(1)(2)</sup></b>	<b><i>Troides helena</i></b>	Widely distributed throughout Hong Kong	Uncommon; Species of conservation concern	-	Protection Status in China <sup>(6)</sup>	Least Concern; (Green Status Moderately Depleted)													+
Painted Jezebel	<i>Delias hyparete</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-													+
Red-base Jezebel	<i>Delias pasithoe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+	++	++		++	+	+	++	+	++	++	++++
Indian Cabbage White	<i>Pieris canidia</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+	+	++++	+	++++	+	+	+	+	++++	++++	++++
<b>Small Cabbage White</b>	<b><i>Pieris rapae</i></b>	Shep Mun Kap, Fan Lau, Ngong Ping, Kam Tin, Ho Chung, Luk Keng, Tuen Mun Ash Lagoon	Rare	-	-	-		++				++		+			+		++
-	<i>Pieris spp.</i>	-	-	-	-	-	+	+	+	++		++		+	+	+	+	++	+++
Great Orange Tip	<i>Hebomoia glaucippe</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+		+		+				+	+	+	++
Mottled Emigrant	<i>Catopsilia pyranthe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+			+	+	+	+	+
Lemon Emigrant	<i>Catopsilia pomona</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+		+	+		+	+	+	++	+	+	+++
-	<i>Catopsilia spp.</i>	-	-	-	-	-	+		+	+			+		+	+	+	+	++
Common Grass Yellow	<i>Eurema hecabe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+		+	+		+	+	+	++	+	++	++
-	<i>Eurema spp.</i>	-	-	-	-	-	+	+	+	++	+	+	+	+	+++	+	+++	+	++++
Club Silverline	<i>Spindasis svama</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-												+	
<b>Peacock Royal</b>	<b><i>Tajuria cippus</i></b>	Ma On Shan, Wu Kau Tang, Tai Po Kau, Mount Nicholson, Victoria Peak, Cloudy Hill	Rare	LC	-	-												+	+
Chocolate Royal	<i>Remelana jangala</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+												+
Green Flash	<i>Artipe eryx</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	Least Concern					+								
Slate Flash	<i>Rapala manea</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+											+
Purple Sapphire	<i>Heliophorus epicles</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+				+			+				+	+
Transparent 6-line Blue	<i>Nacaduba kurava</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+	+	+	+	+
Dark Cerulean	<i>Jamides bochus</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+						+	+	+	+	+	+	++
<b>Metallic Cerulean</b>	<b><i>Jamides alecto</i></b>	Victoria Peak, Fung Yuen, Chuen Lung, Mui Wo	Very rare	-	-	-	++		+			+		+			+		+

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Local Restrictedness and species of conservation concern <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	SL	GL	VO	DA
Forget-me-not	<i>Catochrypsops strabo</i>	Pui O, Tai Po Kau, Fung Yuen, Shing Mun, Sha Lo Wan	Very rare; Species of conservation concern	-	-	-											+		
Long-tailed Blue	<i>Lampides boeticus</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+		+							++		
Pale Grass Blue	<i>Pseudozizeeria maha</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++++	++	+++	++	+	+		+	+	+	+++	++	++++
Dark Grass Blue	<i>Zizeeria karsandra</i>	High Junk Peak, Kat O, Po Toi, Shek Mun Kap, Lai Chi Wo, Yung Shue O	Uncommon	-	-	-					+					+			
Lesser Grass Blue	<i>Zizina otis</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern									+				
Common Hedge Blue	<i>Acytolepis puspa</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+			+				+	+	+	+	+	+
Gram Blue	<i>Euchrypsops cnejus</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-											+	+	+
Plains Cupid	<i>Chilades pandava</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-	++										+		
Tiny Grass Blue	<i>Zizula hylax</i>	Lung Kwu Tan, Fung Yuen, Sha Lo Wan	Very rare; Species of conservation concern	-	-	Least Concern	+							+	+	+	+		+
Tailless Line Blue	<i>Prosotas dubiosa</i>	North Lantau Island	-	-	-	-			+		+						+		
Fluffy Tit	<i>Zeltus amasa</i>	-	-	-	-	-							+				+		
Punchinello	<i>Zemeros flegyas</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+		+	+	+	
Plum Judy	<i>Abisara echerius</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+		+	+	+	+	++	+++	+	+
Common Evening Brown	<i>Melanitis leda</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+				+					
Dark Evening Brown	<i>Melanitis phedima</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-					+				+				+
Banded Tree Brown	<i>Lethe confusa</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+				+	+				+
Common Palmfly	<i>Elymnias hypermnestra</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+												+
Dark-brand Bush Brown	<i>Mycalesis mineus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	++		+		+	++	+++	+	++	++	++	+++
South China Bush Brown	<i>Mycalesis zonata</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+	+		+			+
Common Five-ring	<i>Ypthima baldus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+		+			+	+	+	+	++	+	+
Straight Five-ring	<i>Ypthima lisandra</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+							+
Small Three-ring	<i>Ypthima norma</i>	Pak Tam Chung, Ngau Kwo Lo, Kai Shan	Very rare; Species of conservation concern	LC	-	-									+		+++		
Large Faun	<i>Faunis eumeus</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+	+		+	+	+	+
Common Duffer	<i>Discophora sondaica</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-							+						
Shan Nawab	<i>Polyura nepenthes</i>	Cloudy Hill, Shing Mun, Tai Po Kau, Victoria Peak, Lai Chi Wo, Pak Sha O	Uncommon	-	-	-										+	+		
Tawny Rajah	<i>Charaxes bernardus</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+		+		+					+
Angled Castor	<i>Ariadne ariadne</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+	+	+	+	+		+			++	+	+++
Rustic	<i>Cupha erymanthus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-							+				+	+	+
Indian Frillfairy	<i>Argyreus hyperbius</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+	+									+
Blue Admiral	<i>Kaniska canace</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+		+	+	+			
Common Jester	<i>Symbrenthia lilaea</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+											
Peacock Pansy	<i>Junonia almana</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern													+
Grey Pansy	<i>Junonia atlites</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern			+								+		
Lemon Pansy	<i>Junonia lemonias</i>	Wu Kau Tang, Shan Liu, Shui Long Wo, Tong Fuk, Pak Tam Chung	Common	-	-	-	++										+		+
Chocolate Pansy	<i>Junonia iphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+			+				+	+	+	+	+	+
Blue Pansy	<i>Junonia orithya</i>	Wu Kau Tang, Fan Lau, Ngau Ngak Shan, Yung Shue O, Wong Lung Hang, Shan Liu, Lung Kwu Tang	Uncommon	-	-	Least Concern											+		+
Great Eggfly	<i>Hypolimnas bolina</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+		+		+	+	+	+	++	++	+	++++
Danaid Eggfly	<i>Hypolimnas misippus</i>	Ngau Ngak Shan, Lung Kwu Tan, Hong Kong Wetland Park, Mount Parker, Cloudy Hill, Lin Ma Hang	Uncommon	LC	-	Least Concern	+					+			+	+	+		++
Common Sailer	<i>Neptis hylas</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+		+		+	+	+	+	++	++	+	+++
Southern Sullied Sailer	<i>Neptis clinia</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+				+	+	
Short-banded Sailer	<i>Phaedyma columella</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+			+		+					+	+	+
Common Lascar	<i>Pantoporia hordonia</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-							+						
Common Sergeant	<i>Athyma perius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-										+	+		
Colour Sergeant	<i>Athyma nefte</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+						+
Staff Sergeant	<i>Athyma selenophora</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+	+			+	+
Five-dot Sergeant	<i>Parathyma sulphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+	+	+	+	+	+	+
White Commodore	<i>Parasarpa dudu</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+		
White-edged Blue Baron	<i>Euthalia phemius</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+				+	+			+	+

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Local Restrictedness and species of conservation concern <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	SL	GL	VO	DA
Common Mapwing	<i>Cyrestis thyodamas</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+			+
Black Prince	<i>Rohana parisatis</i>	Widely distributed throughout Hong Kong	Common	-	-	-												+	+
Red Ring Skirt	<i>Hestina assiniis</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+	+	+		+		+	+	+	+		+
Common Archduke	<i>Lexias pardalis</i>	Widely distributed throughout Hong Kong	Unknown; First recorded in 2008, monitoring underway	-	-	-								+					+
Glassy Tiger	<i>Parantica aglea</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+		+
Ceylon Blue Glassy Tiger	<i>Ideopsis sirinilis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+		+			+				+
Blue Tiger	<i>Tirumala limniace</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+			+							+	+	+
Plain Tiger	<i>Danaus chrysippus</i>	Lung Kwu Tan, Tong Fuk, Tai Ho, Tung Chung, Pak Tam Chung	Uncommon	-	-	Least Concern	+	+	+	+		+					+	+	++
Common Tiger	<i>Danaus genutia</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+	+		+		+	+				+
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+	+		+		+	+	+	++	+	++
Common Indian Crow	<i>Euploea core</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern	+			+	+	+	+	+	+	+	+	+	+
<b>Total No. of Species Recorded</b>							<b>40</b>	<b>27</b>	<b>14</b>	<b>42</b>	<b>14</b>	<b>31</b>	<b>24</b>	<b>47</b>	<b>42</b>	<b>40</b>	<b>68</b>	<b>43</b>	<b>75</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.

(5) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(8) Species no longer considered as of conservation importance due to status being widely distributed in Hong Kong.

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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





Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	WRCW	PO	WC	SWG	WAL	DAL	WL	MWL	PL	SL	GL	VO	DA
Coastal Glider	<i>Macrodiplax cora</i>	Frequents marshes and ponds with dense vegetation, especially adjacent to coastal areas; Sparse	LC	-	Least Concern	-			+											
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-	+	+	+	+	+		+	+	+			+		+
Pied Percher	<i>Neurothemis tullia tullia</i>	Favours marshes and abandoned rice paddies. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-	+	+	+	+	+									+
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+		+	+	+		+						+	
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-			+	+					+	+	+		+	+
Marsh Skimmer	<i>Orthetrum luzonicum</i>	Widely distributed in abandoned paddies, marshy swampy and boggy locations; Widespread	-	-	Least Concern	-	+		+											+
Mangrove Skimmer	<i>Orthetrum poecilops poecilops</i>	Occurs where small freshwater streams cascade into tidal mangroves. Found mainly in the Northeast New Territories, including Double Island, Lai Chi Wo, Nam Chung, So Lo Pun, Yim Tso Ha, Yung Shue Au and Yung Shue O etc; also recorded in Tung Chung and Tai O; Scattered	GC	-	Vulnerable B2ab(ii,iii)	-	+	+		+										
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-	+	+	+	++++	+		+		+		+	+	+	++
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+	+	++	+		+		+		+	+	+	++
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-	+++	+	++	++++	+		+++	++	+	++	++	++++	++	++++
Blue Chaser	<i>Potamarcha congener</i>	Found in small weedy ponds, puddles and marshes. Widely distributed in the New Territories; Scattered	LC	-	Least Concern	-		+		+									+	+
Pied Skimmer	<i>Pseudothemis zonata</i>	Widely distributed in woodlands adjacent to reservoirs, sluggish streams, ponds, tanks and marshes throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+	+	+	+			+		+		+	+		+
Ruby Darter	<i>Rhodothemis rufa</i>	Widely distributed in ponds and marshes with dense floating plants; Scattered	LC	-	Least Concern	-		+												
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+	++	+++			++	+	+		+	++	+	++
Evening Skimmer	<i>Tholymis tillarga</i>	Widely distributed in marshes, weedy ponds and tanks throughout Hong Kong; Scattered	-	-	Least Concern	-	+	+	+	+									+	
Saddlebag Glider	<i>Tramea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-	+		+	+			+	+			+	+		+
Crimson Drowpwing	<i>Trithemis aurora</i>	Found in marshes, ponds, streams, and/or even ornamental ponds in urban areas. Widely distributed throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+	+	+	++		+					+		+	+
Indigo Drowpwing	<i>Trithemis festiva</i>	Favours sluggish sections of streams with a strong current or the small rock pools in mountain streams. Widespread in Hong Kong; Widespread	-	-	Least Concern	-		+		+								+	+	+

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	WRCW	PO	WC	SWG	WAL	DAL	WL	MWL	PL	SL	GL	VO	DA	
Scarlet Basker	<i>Urothemis signata signata</i>	Common in areas with abandoned fish ponds throughout Hong Kong; Scattered	LC	-	Least Concern	-		+	+												
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	Widely distributed in thick undergrowth, tree foliage and shady spots near water courses throughout Hong Kong; Scattered	-	-	Least Concern	-	+			+	+										+
Dusk-hawker	<i>Gynacantha</i> sp.	-	LC	-	-	-				+											
<b>Total No. of Species Recorded</b>							<b>28</b>	<b>25</b>	<b>24</b>	<b>34</b>	<b>12</b>	<b>2</b>	<b>10</b>	<b>5</b>	<b>10</b>	<b>3</b>	<b>10</b>	<b>12</b>	<b>12</b>	<b>23</b>	

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; WAL=Wet Agricultural Land; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3a Herpetofauna Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	SL	GL	VO	DA				
<b>Amphibian</b>																								
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+++						+	++	+	+	++	++++		
Short-legged Toad	<i>Megophrys brachykolos</i>	Widely distributed in upland forest streams throughout Hong Kong	PGC	-	-	Vulnerable	Endangered										+							
Spotted Narrow-mouthed Frog	<i>Kalophrynus interlineatus</i>	Widely distributed from low to moderate altitudes in northern and central New Territories	-	-	-	Near Threatened	Least Concern													+	+			
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+										+	+	++	
Butler's Pygmy Frog	<i>Microhyla butleri</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern	+	+	+	+										+	++	+	
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern	+++	+	+	+										+++		+	+
Marbled Pygmy Frog	<i>Microhyla pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+	+											+	+
Paddy Frog	<i>Fejervarya limnocharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern		+	+	++	+					+						+	++
Chinese Bullfrog	<i>Hoplobatrachus ruquosus</i>	Widely distributed in Hong Kong	PRC	Class II	-	Endangered	Least Concern										+							
Lesser Spiny Frog	<i>Quasipaa exilispinosa</i>	Widely distributed in upland forest streams throughout Hong Kong	PGC	-	-	Vulnerable	Least Concern					++												
Gunther's Frog	<i>Sylvirana quentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+++	+	+++	+++			+			+	+				+	++	++
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+	+		+++						+++					++	++++	
Brown Tree Frog	<i>Polypedates megalcephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+	+	++	+			+			+					+	++	+++
<b>Total No. of Species Recorded</b>								<b>4</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>5</b>	<b>10</b>	<b>9</b>				
<b>Reptile</b>																								
Red-eared Slider	<i>Trachemys scripta elegans</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	Least Concern	+	+		+	+												
Four-clawed Gecko	<i>Gehyra mutilata</i>	Widely distributed throughout Hong Kong	-	-	-	Vulnerable	Least Concern																	+
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	+			+						+	+				+	+++	
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern				+			+	+	+	+	+				+	+++	
Brook's Gecko	<i>Hemidactylus brookii</i>	Distributed in buildings in the western district on Hong Kong Island and Northern New Territories	-	-	-	Least Concern	Least Concern															+	+	
Garnot's Gecko	<i>Hemidactylus garnotii</i>	Distributed in Lantau Island, Hong Kong Island and Eastern New Territories	-	-	-	Least Concern	Least Concern										+						+	
House Gecko	<i>Hemidactylus frenatus</i>	Recorded in Hong Kong Island	-	-	-	-	Least Concern																	+
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	+													+	+	+	+
Grass Lizard	<i>Takydromus sexlineatus ocellatus</i>	Distributed in grassland and woodland throughout Hong Kong	-	-	-	Least Concern	Least Concern																+	
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern				+						+							++
Indo-Chinese Rat Snake	<i>Ptyas korros</i>	Widely distributed throughout Hong Kong	PRC	-	Endangered	Vulnerable	Near Threatened				+													
Red-necked Keelback	<i>Rhabdophis subminiatus helleri</i>	Very common and widely distributed in Hong Kong	-	-	-	-	Least Concern																	+
Checkered Keelback	<i>Xenochrophis flavipunctatus</i>	Widely distributed in streams in the New Territories and Lantau Island	-	-	-	-	Least Concern				+													
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	Common and widely distributed in Hong Kong	PRC	-	Vulnerable	Endangered	Least Concern				+													
<b>Total No. of Species Recorded</b>								<b>3</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>9</b>				

- Notes:  
 (1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.  
 (2) 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.  
 (3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).  
 (4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.  
 (5) Jiang, Z.G., et al. (2016). Red List of China's Vertebrates. *Biodiversity Science* 24(5): 500-551.  
 (6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland  
 Species of conservation importance is in bold type face.  
 Code of Abundance: +=Rare; +=Occasional; +++=Common; ++++=Abundant; ++++=Dominant

10.3a Mammal Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	SL	GL	VO	DA	
Short-nosed Fruit Bat <sup>(1)</sup>	<i>Cynopterus sphinx</i>	Very widely distributed in urban and countryside areas throughout Hong Kong	-	-	Indeterminate	Near Threatened	Least Concern													+	+
Chinese Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus sinicus</i>	Widely distributed in countryside areas throughout Hong Kong	-	-	-	Least Concern	Least Concern	+													+
Intermediate Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus affinis</i>	Widely distributed in countryside areas throughout Hong Kong	(LC)	-	-	Least Concern	Least Concern	+													+
Least Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus pusillus</i>	Widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern				+					+					+
Himalayan Leaf-nosed Bat <sup>(1)</sup>	<i>Hipposideros armiger</i>	Widely distributed in countryside areas throughout Hong Kong	(LC)	-	-	Least Concern	Least Concern				+				+	+				+	++++ <sup>(9)</sup>
Unknown Myotis Species <sup>(1)</sup>	<i>Myotis spp.</i>	-	-	-	-	-	-				+		+								+
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern	+	+		+					+				+	+++
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	++	+	+	+++		+	+	+	++		+	++	++++	++++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-	+		+	+		+		+	+	+			+	++++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-	+			+		+	+		+				+	+++
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tylonycteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong	(LC)	-	Rare	Least Concern	Least Concern	+		+	+	+	+		+	+				+	++++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	-	-	-	Least Concern	Least Concern		+	+					++	+	+	+	+	+	+
East Asian Porcupine <sup>(1)</sup>	<i>Hystrix brachyura</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	PGC	-	-	Least Concern	Least Concern							+		+					
Masked Palm Civet <sup>(1)</sup>	<i>Paguma larvata</i>	Widely distributed in countryside areas throughout Hong Kong, except for Lantau Island and northwestern New Territories	PRC	-	-	Near Threatened	Least Concern													+	
Small Indian Civet <sup>(1)</sup>	<i>Viverricula indica</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	-	Class II	-	Vulnerable	Least Concern							+		+	+				
Small Asian Mongoose <sup>(1)</sup>	<i>Herpestes javanicus</i>	Fairly widely distributed in countryside areas in the New Territories	-	-	-	Vulnerable	Least Concern	+						+							
Leopard Cat <sup>(1)(2)</sup>	<i>Prionailurus bengalensis</i>	Widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	-	-	Vulnerable	Vulnerable	Least Concern			+					+		+				
Eurasian Wild Pig	<i>Sus scrofa</i>	Very widely distributed in countryside areas throughout Hong Kong	-	-	-	Least Concern	Least Concern					+		+	++++	+	+	+	+	+	+
Red Muntjac	<i>Muntiacus muntjak</i>	Very widely distributed in countryside areas throughout Hong Kong	PRC	-	-	Near Threatened	Least Concern								+	+	+				
Domestic Water Buffalo	<i>Bubalus bubalis</i>	Found in Kam Tin, and the southern part of Lantau Island	-	-	-	-	-	+				+									++
<b>Total No. of Species Recorded</b>								<b>9</b>	<b>3</b>	<b>5</b>	<b>8</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>12</b>	<b>7</b>	<b>3</b>	<b>9</b>	<b>14</b>	

Notes:

- (1) Protected under Wild Animals Protection Ordinance (Cap. 170).
- (2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).
- (3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.
- (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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
- (5) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (6) Wang, S. (1998). *China Red Data Book of Endangered Animals. Mammalia. 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) (2022). *IUCN Red List of Threatened Species. Version 2022.2.*
- (9) Presence of bat roost

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Species of conservation importance is in bold type face.

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

10.3b Avifauna Species Recorded within the Kam Sheung Road/Pat Heung Area

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	WRCW	PO	WC	DAL	MWL	PL	SL	GL	VO	DA	IF
Amur Stonechat	<i>Saxicola stejnegeri</i>	Common passage migrant and winter visitor. Widely distributed in open cultivated fields throughout Hong Kong.	W,M	-	-	-	Least Concern	Least Concern	+										
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Common autumn passage migrant and winter visitor. Widely distributed in Hong Kong.	M,W	-	-	-	Least Concern	Least Concern	+										
Asian Koel	<i>Eudynamis scolopacea</i>	Common resident. Widely distributed in Hong Kong.	Su,R	-	-	-	Least Concern	Least Concern	+		+	+						+	
Barn Swallow	<i>Hirundo rustica</i>	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.	SpM,Su	-	-	-	Least Concern	Least Concern	+		++		+		+			++	++++
Black Drongo	<i>Dicrurus macrocerus</i>	Common autumn passage migrant and winter visitor. Widely distributed in open area throughout Hong Kong.	M,Su	-	-	-	Least Concern	Least Concern	+										
<b>Black Kite</b> <sup>(2)(10)</sup>	<i>Milvus migrans</i>	Common resident and winter visitor. Widely distributed in Hong Kong	W,R	(RC)	Class II	-	Least Concern	Least Concern	+										+
Black-collared Starling	<i>Gracupica nigricollis</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++		+	++	+			+	+	++	
<b>Black-winged Stilt</b> <sup>(10)</sup>	<i>Himantopus himantopus</i>	Common migrant and winter visitor. Found in Deep Bay area, Long Valley, Kam Tin	W	RC	-	-	Least Concern	Least Concern			+								
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common resident. Widely distributed in shrubland and woodland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern			+		+	+	+			+	
Brown Shrike	<i>Lanius cristatus</i>	Common passage migrant and scarce winter visitor. Widely distributed in open areas throughout Hong Kong.	SpM	-	-	-	Least Concern	Least Concern	+										
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++		+	+	+		+		+	++	
<b>Chinese Pond Heron</b> <sup>(10)</sup>	<i>Ardeola bacchus</i>	Common resident. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	++		++						+	+	+
<b>Collared Crow</b> <sup>(10)</sup>	<i>Corvus torquatus</i>	Locally common resident. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek Lap Kok, Shuen Wan, Lam Tsuen.	R	LC	-	-	Near Threatened	Vulnerable										+	+
Common Myna	<i>Acridotheres tristis</i>	Locally common resident. Found in Mai Po, Sheung Uk Tsuen, Sheung Shui, Kam Tin, Shek Kong, Ping Shan, Mong Tseng.	R	-	-	-	Least Concern	Least Concern	+			+				+	+	+	
Common Sandpiper <sup>(10)</sup>	<i>Actitis hypoleucos</i>	Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern			++								
Common Tailorbird	<i>Orthotomus sutorius</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+		+	+	+	+	+	++	
Crested Myna	<i>Acridotheres cristatellus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++		++	+			+	+	+	+++	
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+		+			+	+		+	+	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+		+	+		+	+	+	+	+	
<b>Eastern Buzzard</b> <sup>(2)(10)</sup>	<i>Buteo japonicus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	Class II	-	Least Concern	Least Concern					+					+	+
Eastern Cattle Egret <sup>(10)</sup>	<i>Bubulcus coromandus</i>	Resident and common passage migrant. Widely distributed in Hong Kong.	P	(LC)	-	-	Least Concern	Least Concern			+								
<b>Eurasian Teal</b> <sup>(10)</sup>	<i>Anas crecca</i>	Common winter visitor. Found in Deep Bay area, Shuen Wan, Tai Lam Chung Reservoir, Victoria Harbour, urban parks.	W	RC	-	-	Least Concern	Least Concern			++++								
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++		++	++		+	+	+		++++	
<b>Greater Coucal</b>	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern	+						+			+	
Green Sandpiper <sup>(10)</sup>	<i>Tringa ochropus</i>	Common migrant and winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Shek Kong, Ho Chung.	W	-	-	-	Least Concern	Least Concern			++								
<b>Grey Heron</b> <sup>(10)</sup>	<i>Ardea cinerea</i>	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Aguilar.	W	PRC	-	-	Least Concern	Least Concern	+		+		+					+	
Grey Wagtail	<i>Motacilla cinerea</i>	Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+		++	+			+			+	

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	WRCW	PO	WC	DAL	MWL	PL	SL	GL	VO	DA	IF
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common migrant and winter visitor, and locally common resident. Widely distributed in wooded area throughout Hong Kong.	M,Su,W	-	-	-	Least Concern	Least Concern			+				+		+	+	
House Crow	<i>Corvus splendens</i>	Locally common resident. Distributed in some urban areas.	-	-	-	-	Least Concern	Least Concern										+	
House Swift	<i>Apus nipalensis</i>	Abundant spring migrant and common resident. Widely distributed in Hong Kong.	R,SpM	-	-	-	Least Concern	Least Concern	+		++	+						+	+
Japanese Tit	<i>Parus minor</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+		+				+	+	
Large Hawk Cuckoo	<i>Hierococcyx sparveriioides</i>	Locally common spring and summer visitor. Widely distributed in woodland throughout in Hong Kong.	Su	-	-	-	Least Concern	Least Concern				+		+			+	+	
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern			+		+					+	
Little Egret <sup>(10)</sup>	<i>Egretta garzetta</i>	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	+		++					+		+	+
Little Ringed Plover <sup>(10)</sup>	<i>Charadrius dubius</i>	Resident, common winter visitor and passage migrant. Widely distributed in freshwater areas throughout Hong Kong.	W,R	(LC)	-	-	Least Concern	Least Concern			+								
Long-tailed Shrike	<i>Lanius schach</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+					+				+	
Mandarin Duck <sup>(10)</sup>	<i>Aix galericulata</i>	Scarce winter visitor. Found in Mai Po, Tai Tam, Shing Mun	-	-	Class II	Vulnerable	Near Threatened	Least Concern			+								
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	++		++	+	+	+	++	+	+	++	
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common passage migrant and winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern				+						+	
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++		++	+	+	+	+	+	+	++	
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Common passage migrant. Widely distributed in reed beds throughout Hong Kong.	M	-	-	-	Least Concern	Least Concern	+										
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor and migrant. Found in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+		+		+		+	+		+	
Plain Prinia	<i>Prinia inornata</i>	Locally common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+									+	
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Passage migrant and common visitor. Widely distributed in open area throughout Hong Kong.	Su	-	-	-	Least Concern	Least Concern			+							+	
Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	Common resident. Widely distributed in woodland edges throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+		+					+	
Red-throated Flycatcher	<i>Ficedula albicilla</i>	Common migrant and winter visitor. Widely distributed in Hong Kong.	AM,W	-	-	-	Least Concern	Least Concern	+										
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++		+	++	+	+	++	+++	++	++++	
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon resident and passage migrant	Su,?W	-	-	-	Data Deficient	Least Concern							+				+
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++		++	+				++	+	++	
Scarlet Minivet	<i>Pericrocotus speciosus</i>	Common resident. Found in Tai Po Kau, the Peak, Lam Tsuen, Cape D'Aguilar Road, Shing Mun.	R	-	-	-	Least Concern	Least Concern	+									+	
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++		++	++	+	+	++	+	++	+++	
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,?W	-	-	-	Least Concern	Least Concern	+		+		+	+	+	+	+	++	
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern	++		++++							+	+
White-breasted Waterhen <sup>(10)</sup>	<i>Amaurornis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong	R	-	-	-	Least Concern	Least Concern	+		++	+					+	+	
White-cheeked Starling	<i>Spodiopsar cinereus</i>	Locally common winter visitor. Found in Deep Bay area, Kam Tin, Long Valley.	W	PRC	-	-	Least Concern	Least Concern	+									+	
White-rumped Munia	<i>Lonchura striata</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern			+								
White-shouldered Starling	<i>Sturnia sinensis</i>	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mui Wo, Lam Tsuen Valley.	M,W,Su	(LC)	-	-	Least Concern	Least Concern				+					+		

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	WRCW	PO	WC	DAL	MWL	PL	SL	GL	VO	DA	IF
White-throated Kingfisher <sup>(10)</sup>	<i>Halcyon smymensis</i>	Common resident. Widely distributed in coastal areas throughout Hong Kong.	AM,P	(LC)	-	-	Least Concern	Least Concern	+										
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	+	+	+		+	++	+	+	+	
Yellow-browed Bunting	<i>Emberiza chrysophrys</i>	Scarce winter visitor and passage migrant. Found in Deep Bay area, Ho Chung, Nam Chung, Ping Yeung, Tan Shan Valley, Cheung Chau, Long Valley.	M	-	-	-	Least Concern	Least Concern										+	
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	++						+			+	
<b>Total No. of Species Recorded</b>									<b>41</b>	<b>1</b>	<b>38</b>	<b>19</b>	<b>16</b>	<b>13</b>	<b>20</b>	<b>15</b>	<b>21</b>	<b>43</b>	<b>8</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong Bird Watching Society, Hong Kong. R=resident; W=winter visitor; Su=summer visitor; M=migrant; Sp=spring; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear

(5) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: WRCW=Westral Compensatory Wetland; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight

Species of conservation importance is in bold type face.

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





Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	WRCW	PO	WC	DAL	MWL	PL	SL	GL	VO	DA
Great Eggfly	<i>Hypolimnas bolina</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+	+	+			+		++
<b>Danaid Eggfly</b>	<b><i>Hypolimnas misippus</i></b>	Ngau Ngak Shan, Lung Kwu Tan, Hong Kong Wetland Park, Mount Parker, Cloudy Hill, Lin Ma Hang	Uncommon	LC	-	Least Concern							+			+
Common Sailer	<i>Neptis hylas</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+	+	+	+	+	+	+	++
Short-banded Sailer	<i>Phaedyma columella</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+				+		+
Five-dot Sergeant	<i>Parathyma sulphitia</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+			
White-edged Blue Baron	<i>Euthalia phemius</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
Black Prince	<i>Rohana parisatis</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
Red Ring Skirt	<i>Hestina assimilis</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+		+							
Ceylon Blue Glassy Tiger	<i>Ideopsis similis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+				
Blue Tiger	<i>Tirumala limniace</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+							+
Plain Tiger	<i>Danaus chrysippus</i>	Lung Kwu Tan, Tong Fuk, Tai Ho, Tung Chung, Pak Tam Chung	Uncommon	-	-	Least Concern			+	+						+
Common Tiger	<i>Danaus genutia</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+	+			+	+		++
<b>Total No. of Species Recorded</b>							<b>18</b>	<b>1</b>	<b>25</b>	<b>15</b>	<b>11</b>	<b>10</b>	<b>24</b>	<b>21</b>	<b>16</b>	<b>42</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(6) Species no longer considered as of conservation importance due to status being widely distributed in Hong Kong.

Abbreviation for Habitats: WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3b Odonate Species Recorded in the Kam Sheung Road/Pat Heung Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	WRCW	PO	WC	DAL	PL	SL	GL	VO	DA
Orange-tailed Midget	<i>Agriocnemis femina oryzae</i>	Widely distributed in disused paddy fields, marshes, ditches and weedy ponds margins; Scattered	-	-	Least Concern	-	+		+						
Wandering Midget	<i>Agriocnemis pygmaea</i>	Widely distributed in marshes, abandoned paddy fields and weedy pond margins throughout Hong Kong; Sparse	-	-	Least Concern	-	+								
Orange-tailed Sprite	<i>Ceriatrion auranticum ryukyuanum</i>	Widely distributed in weedy ponds, marshes, abandoned fields or grasslands adjacent to waters; Very Widespread	-	-	Least Concern	-									
Common Bluetail	<i>Ischnura senegalensis</i>	Widely distributed in all wetland habitats except fast flowing rivers throughout Hong Kong; Scattered	-	-	Least Concern	-			+						
Yellow Featherlegs	<i>Copera marginipes</i>	Widely distributed in lowland streams, ditches, and weedy margins of pond throughout Hong Kong; Widespread	-	-	Least Concern	-			+						
Black Threadtail	<i>Prodasineura autumnalis</i>	Often perches on the plants near streams. Widely distributed in streams throughout Hong Kong; Widespread	-	-	Least Concern	-			+						
Common Flangetail	<i>Ictinogomphus pertinax</i>	Widely distributed in ponds and still water throughout Hong Kong; Widespread	-	-	Least Concern	-	+								
Asian Amberwing	<i>Brachythemis contaminata</i>	Widely distributed in weedy ponds and sluggish streams; Scattered	-	-	Least Concern	-			+						
Crimson Darter	<i>Crocothemis servilia servilia</i>	Widely distributed in cultivated areas, ponds and marshes throughout the New Territories; Scattered	-	-	Least Concern	-	+		+						
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-	+						+		+
Pied Percher	<i>Neurothemis tullia tullia</i>	Favours marshes and abandoned rice paddies. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-									
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-			+						
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-						+			+
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-	+		++			+	+		+
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-	+		+	+			+		+
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-		+	++++	++++	++	+	+++	++	++++
Pied Skimmer	<i>Pseudothemis zonata</i>	Widely distributed in woodlands adjacent to reservoirs, sluggish streams, ponds, tanks and marshes throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+					+			+
Variagated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-	+					+			
Evening Skimmer	<i>Tholymis tillarga</i>	Widely distributed in marshes, weedy ponds and tanks throughout Hong Kong; Scattered	-	-	Least Concern	-			+					+	

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	WRCW	PO	WC	DAL	PL	SL	GL	VO	DA
Saddlebag Glider	<i>Tramea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-			+						+
Crimson Dropwing	<i>Trithemis aurora</i>	Found in marshes, ponds, streams, and/or even ornamental ponds in urban areas. Widely distributed throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+								
Indigo Dropwing	<i>Trithemis festiva</i>	Favours sluggish sections of streams with a strong current or the small rock pools in mountain streams. Widespread in Hong Kong; Widespread	-	-	Least Concern	-	+		+				+		
<b>Total No. of Species Recorded</b>							<b>11</b>	<b>1</b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>7</b>

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Abbreviation for Habitats: WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

**10.3b Herpetofauna Species Recorded in the Kam Sheung Road/Pat Heung Assessment Area**

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	WRCW	WC	SL	GL	DA
Amphibian												
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+		+	++
Butler's Pygmy Frog	<i>Microhyla butleri</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern	+				
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern	+++++				
Paddy Frog	<i>Fejervarya limnocharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern		+			
Gunther's Frog	<i>Sylvirana guentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+	+			+
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+				
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	++	+		+	+
<b>Total No. of Species Recorded</b>								<b>5</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>3</b>
Reptile												
Red-eared Slider	<i>Trachemys scripta elegans</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	Least Concern	+				
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern		+	+		+++
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern			+		++
Brook's Gecko	<i>Hemidactylus brookii</i>	Distributed in buildings in the western district on Hong Kong Island and Northern New Territories	-	-	-	Least Concern	Least Concern					+
House Gecko	<i>Hemidactylus frenatus</i>	Recorded in Hong Kong Island	-	-	-	-	Least Concern					+
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed throughout Hong Kong.	-	-	-	Least Concern	Least Concern			+		+
Grass Lizard	<i>Takydromus sexlineatus ocellatus</i>	Distributed in grassland and woodland throughout Hong Kong	-	-	-	Least Concern	Least Concern				+	
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern			+		+
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>6</b>

**Notes:**

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) 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.

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

(4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.

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

(6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: WRCW=Westrail Compensatory Wetland; WC=Watercourse; SL=Shrubland; GL=Grassland; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3b Mammal Species Recorded within the Kam Sheung Road/Pat Heung Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	China Red Data Book <sup>(5)</sup>	Red List of China's Vertebrates <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	WRCW	WC	PL	SL	GL	VO	DA
Himalayan Leaf-nosed Bat <sup>(1)</sup>	<i>Hipposideros armiger</i>	Widely distributed in countryside areas throughout Hong Kong	(LC)	-	-	Least Concern	Least Concern							+
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern	+						++
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	+	++	+			+	++++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-		+		+		+	+++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-		+				+	++
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tylonycteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong	(LC)	-	Rare	Least Concern	Least Concern							++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	-	-	-	Least Concern	Least Concern	+					+	+
Eurasian Wild Pig	<i>Sus scrofa</i>	Very widely distributed in countryside areas throughout Hong Kong	-	-	-	Least Concern	Least Concern					+		+
<b>Total No. of Species Recorded</b>								<b>3</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>8</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) Wang, S. (1998). *China Red Data Book of Endangered Animals. Mammalia. First Edition.* Beijing: Science Press.

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

(7) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: WRCW=Westrail Compensatory Wetland; WC=Watercourse; DAL=Dry Agricultural Land; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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



Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	GL	VO	DA	IF
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+		+								+	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+	+	+						+		+	
Eastern Buzzard <sup>(2)(10)</sup>	<i>Buteo japonicus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	Class II	-	Least Concern	Least Concern													+
Eastern Cattle Egret <sup>(10)</sup>	<i>Bubulcus coromandus</i>	Resident and common passage migrant. Widely distributed in Hong Kong.	P	(LC)	-	-	Least Concern	Least Concern			+	+					+			+	
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Common passage migrant and winter visitor. Widely distributed in agricultural fields and marsh edges throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern	+	+	+	+									
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Locally common resident. Found in Mai Po, Tsim Bei Tsui and Fung Lok Wai.	-	-	-	-	Least Concern	Least Concern												+	
Eurasian Teal <sup>(10)</sup>	<i>Anas crecca</i>	Common winter visitor. Found in Deep Bay area, Shuen Wan, Tai Lam Chung Reservoir, Victoria Harbour, urban parks.	W	RC	-	-	Least Concern	Least Concern		++	+	++++									
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+++	+	++	+		+		+	+	++++	
Eurasian Whimbrel <sup>(10)</sup>	<i>Numenius phaeopus</i>	Common passage migrant and scarce winter visitor. Found in Deep Bay area, Sai Kung, Tung Ping Chau, Ninepins, Cape D'Agullar, Pok Fu Lam.	M	LC	-	-	Least Concern	Least Concern				+									
Great Cormorant <sup>(10)</sup>	<i>Phalacrocorax carbo</i>	Common winter visitor. Widely distributed in coastal areas throughout Hong Kong.	W	PRC	-	-	Least Concern	Least Concern			+	+									++
Great Egret <sup>(10)</sup>	<i>Ardea alba</i>	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	+	+	+	+++									+
Greater Coucal	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern	+	+	+	+	+	+				+	+	+	
Green Sandpiper <sup>(10)</sup>	<i>Tringa ochropus</i>	Common migrant and winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Shek Kong, Ho Chung.	W	-	-	-	Least Concern	Least Concern	+	+	+	+									
Grey Heron <sup>(10)</sup>	<i>Ardea cinerea</i>	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Agullar.	W	PRC	-	-	Least Concern	Least Concern	+	+	+	++++									
Grey Wagtail	<i>Motacilla cinerea</i>	Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern		+	+	+									
Grey-headed Lapwing <sup>(10)</sup>	<i>Vanellus cinereus</i>	Locally common winter visitor and migrant. Found in Kam Tin, Tsim Bei Tsui, Lo Wu, Tai Long Wan, Shuen Wan, Castle Peak coast, Chek Lap Kok.	W	LC	-	-	Least Concern	Least Concern				++									
Grey-streaked Flycatcher	<i>Muscicapa griseisticta</i>	Uncommon passage migrant. Widely distributed in Hong Kong.	M	-	-	-	Least Concern	Least Concern		+											
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common migrant and winter visitor, and locally common resident. Widely distributed in wooded area throughout Hong Kong.	M,Su,W	-	-	-	Least Concern	Least Concern		+		+									
House Swift	<i>Apus nipalensis</i>	Abundant spring migrant and common resident. Widely distributed in Hong Kong.	R,SpM	-	-	-	Least Concern	Least Concern			+	+									++
Intermediate Egret <sup>(10)</sup>	<i>Ardea intermedia</i>	Resident and passage migrant. Found in Deep Bay area, Tai Long Wan, Starling Inlet, Tai O, Cape D'Agullar.	M,P	RC	-	-	Least Concern	Least Concern		+	+										
Japanese Tit	<i>Parus minor</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+	+								+	
Kentish Plover <sup>(10)</sup>	<i>Charadrius alexandrinus</i>	Abundant winter visitor and scarce migrant. Found in Deep Bay area, Chek Lap Kok, Shuen Wan, Sai Kung, Lantau Island.	W	RC	-	-	Least Concern	Least Concern			+										
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern												+	+
Little Bunting	<i>Emberiza pusilla</i>	Common passage migrant and winter visitor. Widely distributed in open area throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern												+	
Little Egret <sup>(10)</sup>	<i>Egretta garzetta</i>	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	+	+	+++	++++					+			+	+
Little Grebe <sup>(10)</sup>	<i>Tachybaptus ruficollis</i>	Common resident. Found in Deep Bay area.	P	LC	-	-	Least Concern	Least Concern		+	+	+									
Little Ringed Plover <sup>(10)</sup>	<i>Charadrius dubius</i>	Resident, common winter visitor and passage migrant. Widely distributed in freshwater areas throughout Hong Kong.	W,R	(LC)	-	-	Least Concern	Least Concern		+	+	++								+	
Long-tailed Shrike	<i>Lanius schach</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+									
Marsh Sandpiper <sup>(10)</sup>	<i>Tringa stagnatilis</i>	Abundant winter visitor and migrant. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Sai Kung.	M,W	RC	-	-	Least Concern	Least Concern				+									
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	++		+		+		+	+			++	

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	GL	VO	DA	IF
Mugimaki Flycatcher	<i>Ficedula mugimaki</i>	Uncommon autumn migrant and scarce winter visitor and spring migrant. Widely distributed in Hong Kong.	M,W	-	-	-	Least Concern	Least Concern		+											
Northern Pintail <sup>(10)</sup>	<i>Anas acuta</i>	Abundant winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin.	W	RC	-	-	Least Concern	Least Concern				+									
Northern Shoveler <sup>(10)</sup>	<i>Spatula clypeata</i>	Abundant winter visitor. Found in Deep Bay area.	W	RC	-	-	Least Concern	Least Concern			+	+++									
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common passage migrant and winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+	+										+
Oriental Magpie	<i>Pica serica</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+		+									+
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	+	+	+						+		++	
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Common passage migrant. Widely distributed in reed beds throughout Hong Kong.	M	-	-	-	Least Concern	Least Concern	+	+											
Pacific Golden Plover <sup>(10)</sup>	<i>Pluvialis fulva</i>	Common migrant and winter visitor. Found in Deep Bay area, Chek Lap Kok, Long Valley.	M,W	LC	-	-	Least Concern	Least Concern			+										
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor and migrant. Found in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern	+	+											+
Peregrine Falcon <sup>(2)(10)</sup>	<i>Falco peregrinus</i>	Locally common resident and winter visitor. Widely distributed in Hong Kong.	R,W	(LC)	Class II	-	Near Threatened	Least Concern													+
Pied Avocet <sup>(10)</sup>	<i>Recurvirostra avosetta</i>	Abundant winter visitor. Found in Deep Bay area.	W	RC	-	-	Least Concern	Least Concern				++									
Pied Kingfisher <sup>(10)</sup>	<i>Ceryle rudis</i>	Common resident. Widely distributed in lakes and ponds throughout Hong Kong.	R	(LC)	-	-	Least Concern	Least Concern		+		+									
Pintail Snipe <sup>(10)</sup>	<i>Gallinago stenura</i>	Common passage migrant. Found in Long Valley, Chau Tau, Ha Tsuen.	M	-	-	-	Least Concern	Least Concern				+									
Plain Prinia	<i>Prinia inornata</i>	Locally common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+		+	+	+							+
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Passage migrant and common visitor. Widely distributed in open area throughout Hong Kong.	Su	-	-	-	Least Concern	Least Concern		+		+									
Purple Heron <sup>(10)</sup>	<i>Ardea purpurea</i>	Uncommon passage migrant. Found in Deep Bay area.	AM,P	RC	-	-	Least Concern	Least Concern	+												
Red-billed Blue Magpie	<i>Urocissa erythronycha</i>	Common resident. Widely distributed in woodland edges throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+											+
Red-billed Starling <sup>(10)</sup>	<i>Spodiopsar sericeus</i>	Abundant winter visitor. Widely distributed in Hong Kong.	W	GC	-	-	Least Concern	Least Concern													+
Red-rumped Swallow	<i>Cecropis daurica</i>	Locally common passage migrant and winter visitor. Widely distributed in Hong Kong.	M	-	-	-	Least Concern	Least Concern													+
Red-throated Flycatcher	<i>Ficedula albicilla</i>	Common migrant and winter visitor. Widely distributed in Hong Kong.	AM,W	-	-	-	Least Concern	Least Concern		+											
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++	+++	+	+	+	+	+	+	+	+	+	+	+++
Rock Dove	<i>Columba livia</i>	Locally common resident. Widely distributed in urban area throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern				+									
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon resident and passage migrant	Su,?W	-	-	-	Data Deficient	Least Concern		+											
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	+		++						+		++	
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	Common resident. Widely distributed in wooded area throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+												+
Siberian Rubythroat	<i>Calliope calliope</i>	Common winter visitor and passage migrant. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern	+												
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+										+
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+++	++	+	+	+	+			+	+		++	
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,?W	-	-	-	Least Concern	Least Concern	++	+		+		+	+				++	++	
Von Schrenck's Bittern <sup>(10)</sup>	<i>Ixobrychus eurhythmus</i>	Scarce passage migrant. Found in Tai Long Wan, Luk Keng, Long Valley	M	RC	-	-	Least Concern	Least Concern	+												
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern	+	+	++	++									+
White-breasted Waterhen <sup>(10)</sup>	<i>Amauromis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong	R	-	-	-	Least Concern	Least Concern	+++	+	+	++									+
White-cheeked Starling	<i>Spodiopsar cinereus</i>	Locally common winter visitor. Found in Deep Bay area, Kam Tin, Long Valley.	W	PRC	-	-	Least Concern	Least Concern		+	+										
White-rumped Munia	<i>Lonchura striata</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern				+									
White-shouldered Starling	<i>Sturnia sinensis</i>	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mui Wo, Lam Tsuen Valley.	M,W,Su	(LC)	-	-	Least Concern	Least Concern		++	+	+	+						+	+	



Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	GL	VO	DA	IF
White-throated Kingfisher <sup>(10)</sup>	<i>Halcyon smyrnensis</i>	Common resident. Widely distributed in coastal areas throughout Hong Kong.	AM,P	(LC)	-	-	Least Concern	Least Concern	+	+	+	+									
Wood Sandpiper <sup>(10)</sup>	<i>Tringa glareola</i>	Common migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	LC	-	-	Least Concern	Least Concern			+	++++									
Yellow Bittern <sup>(10)</sup>	<i>Ixobrychus sinensis</i>	Uncommon summer visitor and common passage migrant. Found in Deep Bay area, Chek Keng, Tai Long Wan.	M,Su	(LC)	-	-	Least Concern	Least Concern	+												
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	+	+	+	+					+		+	
Yellow-breasted Bunting	<i>Emberiza aureola</i>	Scarce spring and rare winter passage migrant. Widely distributed in agriculture land and reed beds throughout Hong Kong.	M	RC	-	-	Endangered	Critically Endangered													+
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern		+											+
<b>Total No. of Species Recorded</b>									<b>48</b>	<b>59</b>	<b>46</b>	<b>62</b>	<b>13</b>	<b>12</b>	<b>1</b>	<b>7</b>	<b>6</b>	<b>12</b>	<b>9</b>	<b>46</b>	<b>16</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong Bird Watching Society, Hong Kong. R=resident; W=winter visitor; Su=summer visitor; M=migrant; Sp=spring; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear

(5) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight  
Species of conservation importance is in bold type face.

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

10.3c Butterfly Species Recorded within the Sha Po/Au Tau Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	GL	VO	DA
Water Snow Flat	<i>Taquiades litigiosus</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+					
<b>Spotted Angle</b>	<b><i>Caprona alida</i></b>	Lantau South Country Park, Nam Chung, Lung Kwu Tan, Pat Sin Lang	Very rare	LC	-	-										+		
Grass Demon	<i>Udaspes folus</i>	Widely distributed throughout Hong Kong	Rare	-	-	-	+										+	
Chinese Dart	<i>Potanthus confucius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-											+	
-	<i>Telicota</i> sp.	-	-	-	-	-	+											
Rare Swift	<i>Parnara ganga</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-		+										
Formosan Swift	<i>Borbo cinnara</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+											
Bevan's Swift	<i>Pseudoborbo bevani</i>	Keung Shan, Sham Chung, Cheung Sheung, San Uk Ha, Tai Mo Shan, Shing Mun, Pui O, Ngong Ping	Uncommon	-	-	-											++	
-	<i>Pelopidas</i> sp.	-	-	-	-	-									+			+
Common Bluebottle	<i>Graphium sarpedon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+		+							+
Common Jay	<i>Graphium doson</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+										+
Tailed Jay	<i>Graphium agamemnon</i>	Widely distributed throughout Hong Kong	Common	-	-	-												+
Five-bar Swordtail	<i>Pathysa antiphates</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+				+					+	
Common Mime	<i>Chilasa clytia</i>	Widely distributed throughout Hong Kong	Common	-	-	-					+					+	+	+
<b>Swallowtail</b>	<b><i>Papilio xuthus</i></b>	Kap Lung, Ma On Shan, Tai Tam, Sha Lo Wan, Kat O, Lung Kwu Tan, Wu Kau Tang, Lung Kwu Chau	Rare	-	-	-	+										++	++
Lime Butterfly	<i>Papilio demoleus</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+				+				+		+
Red Helen	<i>Papilio helenus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++	+								+		
Common Mormon	<i>Papilio polytes</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++	++		+						+	+	++
Great Mormon	<i>Papilio memnon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+											
Spangle	<i>Papilio protenor</i>	Widely distributed throughout Hong Kong	Very common	-	-	-												+
Paris Peacock	<i>Papilio paris</i>	Widely distributed throughout Hong Kong	Very common	-	-	-										+		
Painted Jezebel	<i>Delias hyparete</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-												++
Red-base Jezebel	<i>Delias pasithoe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++		++	+						++	+	++++
Indian Cabbage White	<i>Pieris canidia</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+	++	+					+	+	++
<b>Small Cabbage White</b>	<b><i>Pieris rapae</i></b>	Shep Mun Kap, Fan Lau, Ngong Ping, Kam Tin, Ho Chung, Luk Keng, Tuen Mun Ash Lagoon	Rare	-	-	-		+						+				+
-	<i>Pieris</i> spp.	-	-	-	-	-		+								+		+
Great Orange Tip	<i>Hebomoia glaucippe</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+										+	
Mottled Emigrant	<i>Catopsilia pyranthe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-												++
Lemon Emigrant	<i>Catopsilia pomona</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+			+					+		+++
-	<i>Catopsilia</i> spp.	-	-	-	-	-	+		+	+								+
Common Grass Yellow	<i>Eurema hecabe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+										+	
-	<i>Eurema</i> spp.	-	-	-	-	-	+	+		+	+		+			++		+
<b>Peacock Royal</b>	<b><i>Tajuria cippus</i></b>	Ma On Shan, Wu Kau Tang, Tai Po Kau, Mount Nicholson, Victoria Peak, Cloudy Hill	Rare	LC	-	-												+
Chocolate Royal	<i>Remelana jangala</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+											
Slate Flash	<i>Rapala manea</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+									+		
Purple Sapphire	<i>Heliothorus epicles</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+				+							
Dark Cerulean	<i>Jamides bochus</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+											+
<b>Forget-me-not</b>	<b><i>Catochrysops strabo</i></b>	Pui O, Tai Po Kau, Fung Yuen, Shing Mun, Sha Lo Wan	Very rare; Species of conservation concern	-	-	-											+	
Long-tailed Blue	<i>Lampides boeticus</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+									+	
Pale Grass Blue	<i>Pseudozizeeria maha</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++++	+++	++++	+	+					++		++++
Dark Grass Blue	<i>Zizeeria karsandra</i>	High Junk Peak, Kat O, Po Toi, Shek Mun Kap, Lai Chi Wo, Yung Shue O	Uncommon	-	-	-					+							
Common Hedge Blue	<i>Acytolepis puspa</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+											
Gram Blue	<i>Euchrysops cnejus</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-												+
Plains Cupid	<i>Chilades pandava</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-	+++											
<b>Tiny Grass Blue</b>	<b><i>Zizula hylax</i></b>	Lung Kwu Tan, Fung Yuen, Sha Lo Wan	Very rare; Species of conservation concern	-	-	Least Concern	+	+										+
Plum Judy	<i>Abisara echerius</i>	Widely distributed throughout Hong Kong	Very common	-	-	-										+		

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	MA	WRCW	PO	WC	SWG	DAL	WL	MWL	PL	GL	VO	DA	
Banded Tree Brown	<i>Lethe confusa</i>	Widely distributed throughout Hong Kong	Common	-	-	-													+
Common Palmfly	<i>Elymnias hypermnestra</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+												
Dark-brand Bush Brown	<i>Mycalies mineus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	++					+		+	+			++
Common Five-ring	<i>Ypthima baldus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-		+								++			
<b>Small Three-ring</b>	<b><i>Ypthima norma</i></b>	Pak Tam Chung, Ngau Kwo Lo, Kai Shan	Very rare; Species of conservation concern	LC	-	-										+++			
Angled Castor	<i>Ariadne ariadne</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+	+	+					+			++
Common Jester	<i>Symbrenthia lilaea</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+											
Lemon Pansy	<i>Junonia lemonias</i>	Wu Kau Tang, Shan Liu, Shui Long Wo, Tong Fuk, Pak Tam Chung	Common	-	-	-	+++									+			++
Chocolate Pansy	<i>Junonia iphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+												
Blue Pansy	<i>Junonia orithya</i>	Wu Kau Tang, Fan Lau, Ngau Ngak Shan, Yung Shue O, Wong Lung Hang, Shan Liu, Lung Kwu Tang	Uncommon	-	-	Least Concern										+			
Great Eggfly	<i>Hypolimnas bolina</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+								+	+		++
<b>Danaid Eggfly</b>	<b><i>Hypolimnas misippus</i></b>	Ngau Ngak Shan, Lung Kwu Tan, Hong Kong Wetland Park, Mount Parker, Cloudy Hill, Lin Ma Hang	Uncommon	LC	-	Least Concern	+					+				+			+
Common Sailer	<i>Neptis hylas</i>	Widely distributed throughout Hong Kong	Very common	-	-	-										+			
Short-banded Sailer	<i>Phaedyma columella</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+												
Common Sergeant	<i>Athyma perius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-										+			
White-edged Blue Baron	<i>Euthalia phemius</i>	Widely distributed throughout Hong Kong	Common	-	-	-													+
Red Ring Skirt	<i>Hestina assimilis</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+	+	+									+
Ceylon Blue Glassy Tiger	<i>Ideopsis similis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-													+
Blue Tiger	<i>Tirumala limniace</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+									+			+
Plain Tiger	<i>Danaus chrysippus</i>	Lung Kwu Tan, Tong Fuk, Tai Ho, Tung Chung, Pak Tam Chung	Uncommon	-	-	Least Concern	+	+	+										++
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	+								++			+
Common Indian Crow	<i>Euploea core</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern	+				+								+
<b>Total No. of Species Recorded</b>							<b>31</b>	<b>20</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>32</b>	<b>5</b>	<b>35</b>	

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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

10.3c Odonate Species Recorded within the Sha Po/Au Tau Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	WRCW	PO	WC	SWG	GL	DA
Wandering Midget	<i>Agriocnemis pygmaea</i>	Widely distributed in marshes, abandoned paddy fields and weedy pond margins throughout Hong Kong; Sparse	-	-	Least Concern	-	+						
Orange-tailed Sprite	<i>Ceriatrigon auranticum ryukyuanum</i>	Widely distributed in weedy ponds, marshes, abandoned fields or grasslands adjacent to waters; Very Widespread	-	-	Least Concern	-	+	+					
Common Bluetail	<i>Ischnura senegalensis</i>	Widely distributed in all wetland habitats except fast flowing rivers throughout Hong Kong; Scattered	-	-	Least Concern	-	++	++	+++	+	+		
<b>Four-spot Midget</b>	<b><i>Mortonagrion hirosei</i></b>	Found mainly in the Northeast and Northwest New Territories and west Lantau; Sparse	GC	-	Near Threatened	Unusual Biology	+						
Yellow Featherlegs	<i>Copera marginipes</i>	Widely distributed in lowland streams, ditches, and weedy margins of pond throughout Hong Kong; Widespread	-	-	Least Concern	-	+				+		
Pale-spotted Emperor	<i>Anax guttatus</i>	Widely distributed in ponds and sluggish streams throughout Hong Kong; Scattered	-	-	Least Concern	-	+	+	+				
Common Flangetail	<i>Ictinogomphus pertinax</i>	Widely distributed in ponds and still water throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+	+	+			
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	Found in still water, such as ponds and reservoirs. Recorded in Au Tau, Ho Pui, Kai Kuk Shue Ha, Long Valley, Luk Keng, Nam Chung, Ping Yeung, Sha Po Tsuen, Tai Tong and Hong Kong Wetland Park.; Scattered	-	-	Least Concern	-	+						
Asian Pintail	<i>Acisoma panorpoides panorpoides</i>	Widely distributed in marshes and weedy ponds throughout Hong Kong; Widespread	-	-	Least Concern	-	+			+	+		
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	Widely distributed in marshes and weedy ponds throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+	+	+			
Asian Amberwing	<i>Brachythemis contaminata</i>	Widely distributed in weedy ponds and sluggish streams; Scattered	-	-	Least Concern	-	+++++	+	+	+			
Crimson Darter	<i>Crocothemis servilia servilia</i>	Widely distributed in cultivated areas, ponds and marshes throughout the New Territories; Scattered	-	-	Least Concern	-	++	+	++	+	+	+	+
Blue Percher	<i>Diplacodes trivialis</i>	Widespread, especially in late summer, when it can be found almost everywhere in Hong Kong; Sparse	-	-	Least Concern	-		+			+	+	
Amber-winged Glider	<i>Hydrobasileus croceus</i>	Widely distributed in forested areas throughout Hong Kong; Widespread	-	-	Least Concern	-		+					
<b>Coastal Glider</b>	<b><i>Macrodiplax cora</i></b>	Frequents marshes and ponds with dense vegetation, especially adjacent to coastal areas; Sparse	LC	-	Least Concern	-			+				
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-	+	+	+	+	+		
Pied Percher	<i>Neurothemis tullia tullia</i>	Favours marshes and abandoned rice paddies. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-	+	+	+		+		
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-				+	+		
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-				+			
Marsh Skimmer	<i>Orthetrum luzonicum</i>	Widely distributed in abandoned paddies, marshy swampy and boggy locations; Widespread	-	-	Least Concern	-	+						
<b>Mangrove Skimmer</b>	<b><i>Orthetrum poecilops poecilops</i></b>	Occurs where small freshwater streams cascade into tidal mangroves. Found mainly in the Northeast New Territories, including Double Island, Lai Chi Wo, Nam Chung, So Lo Pun, Yim Tso Ha, Yung Shue Au and Yung Shue O etc; also recorded in Tung Chung and Tai O; Scattered	GC	-	Vulnerable B2ab(ii,iii)	-	+	+		+			

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	WRCW	PO	WC	SWG	GL	DA
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-	+			+	+		+
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+	+		+		+
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-	++++	+	+	++++	+	+	++++
<b>Blue Chaser</b>	<b><i>Potamarcha congener</i></b>	Found in small weedy ponds, puddles and marshes. Widely distributed in the New Territories; Scattered	LC	-	Least Concern	-		+		+			
Pied Skimmer	<i>Pseudothemis zonata</i>	Widely distributed in woodlands adjacent to reservoirs, sluggish streams, ponds, tanks and marshes throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+		+				
<b>Ruby Darter</b>	<b><i>Rhodothemis rufa</i></b>	Widely distributed in ponds and marshes with dense floating plants; Scattered	LC	-	Least Concern	-		+					
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+	++	+		+	+
Evening Skimmer	<i>Tholymis tillarga</i>	Widely distributed in marshes, weedy ponds and tanks throughout Hong Kong; Scattered	-	-	Least Concern	-	+	+	+	+			
Saddlebag Glider	<i>Tamea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-	+		+				
Crimson Dropwing	<i>Trithemis aurora</i>	Found in marshes, ponds, streams, and/or even ornamental ponds in urban areas. Widely distributed throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+	+		+			+
Indigo Dropwing	<i>Trithemis festiva</i>	Favours sluggish sections of streams with a strong current or the small rock pools in/of mountain streams. Widespread in Hong Kong; Widespread	-	-	Least Concern	-				+			
<b>Scarlet Basker</b>	<b><i>Urothemis signata signata</i></b>	Common in areas with abandoned fish ponds throughout Hong Kong; Scattered	LC	-	Least Concern	-		+					
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	Widely distributed in thick undergrowth, tree foliage and shady spots near water courses throughout Hong Kong; Scattered	-	-	Least Concern	-	+			+			
<b>Total No. of Species Recorded</b>							<b>24</b>	<b>20</b>	<b>15</b>	<b>18</b>	<b>11</b>	<b>4</b>	<b>6</b>

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

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Species of conservation importance is in bold type face.

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

10.3c Herpetofauna Species Recorded within the Sha Po/Au Tau Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	WRCW	PO	WC	SWG	DA
<b>Amphibian</b>													
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern						+
Butler's Pygmy Frog	<i>Microhyla butleri</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+				
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+				+
Marbled Pygmy Frog	<i>Microhyla pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+		
Paddy Frog	<i>Fejervarya limnocharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern		+	+	+		
Gunther's Frog	<i>Sylvirana quentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+++	+	+	+		+
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern				+		+
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern		+	+			
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Reptile</b>													
Red-eared Slider	<i>Trachemys scripta elegans</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	Least Concern	+			+	+	
<b>Four-clawed Gecko</b>	<b><i>Gehyra mutilata</i></b>	Widely distributed throughout Hong Kong	-	-	-	Vulnerable	Least Concern						+
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern						+
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern						+
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>3</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) 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.

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

(4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.

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

(6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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

10.3c Mammal Species Recorded within the Sha Po/Au Tau Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	PO	WC	SWG	WL	MWL	PL	GL	VO	DA
Chinese Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus sinicus</i>	Widely distributed in countryside areas throughout Hong Kong.	-	-	-	Least Concern	Least Concern	+									+
Intermediate Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus affinis</i>	Widely distributed in countryside areas throughout Hong Kong.	(LC)	-	-	Least Concern	Least Concern	+									
Himalayan Leaf-nosed Bat <sup>(1)</sup>	<i>Hipposideros armiger</i>	Widely distributed in countryside areas throughout Hong Kong.	(LC)	-	-	Least Concern	Least Concern			+							+
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong.	PRC, (RC)	-	-	Least Concern	Least Concern			+				+			++
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong.	-	-	-	Least Concern	Least Concern	+++	+	++				+	+	+	+++++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-	+		+			+	+			+++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-	+		+				+			++
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tylonycteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong.	(LC)	-	Rare	Least Concern	Least Concern	+					+	+		+	+++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam).	-	-	-	Least Concern	Least Concern		+						+		+
East Asian Porcupine <sup>(1)</sup>	<i>Hystrix brachyura</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island.	PGC	-	-	Least Concern	Least Concern					+					
Small Indian Civet <sup>(1)</sup>	<i>Viverricula indica</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island.	-	Class II	-	Vulnerable	Least Concern					+					
Small Asian Mongoose <sup>(1)</sup>	<i>Herpestes javanicus</i>	Fairly widely distributed in countryside areas in the New Territories.	-	-	-	Vulnerable	Least Concern	+				+					
Leopard Cat <sup>(1)(2)</sup>	<i>Prionailurus bengalensis</i>	Widely distributed in countryside areas throughout Hong Kong, except for Lantau Island.	-	-	Vulnerable	Vulnerable	Least Concern		+				+				
Eurasian Wild Pig	<i>Sus scrofa</i>	Very widely distributed in countryside areas throughout Hong Kong.	-	-	-	Least Concern	Least Concern					+					
Red Muntjac	<i>Muntiacus muntjak</i>	Very widely distributed in countryside areas throughout Hong Kong.	PRC	-	-	Near Threatened	Least Concern						+				
Domestic Water Buffalo	<i>Bubalus bubalis</i>	Found in Kam Tin, and the southern part of Lantau Island.	-	-	-	-	-	+			+						++
<b>Total No. of Species Recorded</b>								<b>8</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>9</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(6) Wang, S. (1998). *China Red Data Book of Endangered Animals. Mammalia. 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) (2022). *IUCN Red List of Threatened Species. Version 2022.2.*

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3d Avifauna Species Recorded within the Ngau Tam Mei/Pok Wai Area

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Amur Stonechat	<i>Saxicola stejnegeri</i>	Common passage migrant and winter visitor. Widely distributed in open cultivated fields throughout Hong Kong.	W,M	-	-	-	Least Concern	Least Concern		+									+	
Arctic Warbler	<i>Phylloscopus borealis</i>	Common passage migrant. Widely distributed in woodland throughout Hong Kong.	AM	-	-	-	Least Concern	Least Concern											+	
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Common autumn passage migrant and winter visitor. Widely distributed in Hong Kong.	M,W	-	-	-	Least Concern	Least Concern											+	
Asian Koel	<i>Eudynamis scolopaceus</i>	Common resident. Widely distributed in Hong Kong.	Su,R	-	-	-	Least Concern	Least Concern	+		+		+	+	+	+	+	+	+	+
Azure-winged Magpie	<i>Cyanopica cyanus</i>	Locally common breeding resident. Found in Mai Po.	-	-	-	-	Least Concern	Least Concern											+	
Barn Swallow	<i>Hirundo rustica</i>	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.	SpM,Su	-	-	-	Least Concern	Least Concern		+	+	+		+		+	+	+	++	+
Black Drongo	<i>Dicurus macrocerus</i>	Common autumn passage migrant and winter visitor. Widely distributed in open area throughout Hong Kong.	M,Su	-	-	-	Least Concern	Least Concern		+	+			+		+		+	+	
<b>Black Kite<sup>(2)(10)</sup></b>	<b><i>Milvus migrans</i></b>	Common resident and winter visitor. Widely distributed in Hong Kong.	W,R	(RC)	Class II	-	Least Concern	Least Concern												+
Black-collared Starling	<i>Gracupica nigricollis</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+			+		+	+	++++	
Black-crowned Night Heron <sup>(10)</sup>	<i>Nycticorax nycticorax</i>	Common resident and migrant. Widely distributed in Hong Kong.	P	(LC)	-	-	Least Concern	Least Concern		+	+									
Black-winged Cuckooshrike	<i>Lalage melaschistos</i>	Common passage migrant and scarce winter visitor. Widely distributed in woodland throughout Hong Kong.	AM,W	-	-	-	Least Concern	Least Concern											+	
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common resident. Widely distributed in shrubland and woodland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern			+		+				+		+	
Blue-winged Minla	<i>Actinodura cyanouroptera</i>	Locally common resident. Found in Shing Mun, Tai Po Kau, Ng Tung Chau, Kowloon Hills, Ho Chung, Tai Lam Country Park, Lam Tsuen Country Park, Hong Kong Island.	R	-	-	-	Least Concern	Least Concern						+						
Brown Shrike	<i>Lanius cristatus</i>	Common passage migrant and scarce winter visitor. Widely distributed in open areas throughout Hong Kong.	SpM	-	-	-	Least Concern	Least Concern									+			
Chestnut Bulbul	<i>Hemixos castanonotus</i>	Common resident and winter visitor. Widely distributed in woodland throughout Hong Kong.	R,W	-	-	-	Least Concern	Least Concern					++							
Chinese Blackbird	<i>Turdus mandarinus</i>	Common winter visitor and migrant. Widely distributed in Hong Kong.	W,M	-	-	-	Least Concern	Least Concern											+	
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+	+			+	+	+	+	+	+++	+
<b>Chinese Francolin</b>	<b><i>Francolinus pintadeanus</i></b>	Common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Near Threatened	Least Concern									+			
<b>Chinese Pond Heron<sup>(10)</sup></b>	<b><i>Ardeola bacchus</i></b>	Common resident. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+	+						+		+	+
<b>Collared Crow<sup>(10)</sup></b>	<b><i>Corvus torquatus</i></b>	Locally common resident. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek lap Kok, Shuen Wan, Lam Tsuen.	R	LC	-	-	Near Threatened	Vulnerable			+			+			+		+	+
<b>Common Greenshank<sup>(10)</sup></b>	<b><i>Tringa nebularia</i></b>	Abundant winter visitor and migrant. Found in Deep Bay area.	M,W	RC	-	-	Least Concern	Least Concern			+									
<b>Common Kestrel<sup>(2)</sup></b>	<b><i>Falco tinnunculus</i></b>	Common autumn migrant and winter visitor. Widely distributed in Hong Kong.	AM,W	-	Class II	-	Least Concern	Least Concern												+
Common Kingfisher <sup>(10)</sup>	<i>Alcedo atthis</i>	Common passage migrant and winter visitor. Widely distributed in wetland habitat throughout Hong Kong.	AM,P	-	-	-	Least Concern	Least Concern	+	+	+									
Common Moorhen <sup>(10)</sup>	<i>Gallinula chloropus</i>	Common winter visitor, resident and migrant. Found in Deep Bay area, Shuen Wan, Starling Inlet.	R	-	-	-	Least Concern	Least Concern		+										
Common Myna	<i>Acridotheres tristis</i>	Locally common resident. Found in Mai Po, Sheung Uk Tsuen, Sheung Shui, Kam Tin, Shek Kong, Ping Shan, Mong Tseng.	R	-	-	-	Least Concern	Least Concern		+	+							+	++	
Common Sandpiper <sup>(10)</sup>	<i>Actitis hypoleucos</i>	Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern				++								
Common Tailorbird	<i>Orthotomus sutorius</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+		+	++	+	+	+	+	++	
<b>Crested Goshawk<sup>(2)</sup></b>	<b><i>Accipiter trivirgatus</i></b>	Common resident. Widely distributed in woodlands and shrublands throughout Hong Kong.	R	-	Class II	Rare	Near Threatened	Least Concern						+						



Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Crested Myna	<i>Acridotheres cristatellus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	++	++	+			+	+	+	++	++++	+
Crested Serpent Eagle <sup>(2)</sup>	<i>Spilornis cheela</i>	Common resident. Widely distributed in shrublands on hillsides throughout Hong Kong.	R,M	(LC)	Class II	Vulnerable	Near Threatened	Least Concern												+
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern							+	+		+		
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+	+		+		+	
Eastern Buzzard <sup>(2)(10)</sup>	<i>Buteo japonicus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	Class II	-	Least Concern	Least Concern												+
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Locally common resident. Found in Mai Po, Tsim Bei Tsui and Fung Lok Wai.	-	-	-	-	Least Concern	Least Concern		+										
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+		+	+	+	+	++	++++	
Eurasian Woodcock <sup>(10)</sup>	<i>Scolopax rusticola</i>	Uncommon autumn passage migrant and winter visitor. Found in Cloudy Hill, Tai Po Kau, Shek Kong.	W	-	-	-	Least Concern	Least Concern						+						
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common resident and winter visitor. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern								+				
Great Cormorant <sup>(10)</sup>	<i>Phalacrocorax carbo</i>	Common winter visitor. Widely distributed in coastal areas throughout Hong Kong.	W	PRC	-	-	Least Concern	Least Concern		+										
Great Egret <sup>(10)</sup>	<i>Ardea alba</i>	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+	+									+
Greater Coucal	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern	+		+	+	+	+				+	+	
Greater Necklaced Laughingthrush	<i>Pterorhinus pectoralis</i>	Locally common resident. Widely distributed in shrubland and woodland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern					+		+					
Green Sandpiper <sup>(10)</sup>	<i>Tringa ochropus</i>	Common migrant and winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Shek Kong, Ho Chung.	W	-	-	-	Least Concern	Least Concern				+								
Grey Heron <sup>(10)</sup>	<i>Ardea cinerea</i>	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Agular.	W	PRC	-	-	Least Concern	Least Concern		+	+									
Grey Wagtail	<i>Motacilla cinerea</i>	Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern				+							+	
Grey-backed Thrush	<i>Turdus hortolorum</i>	Common winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern								+				
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common migrant and winter visitor, and locally common resident. Widely distributed in wooded area throughout Hong Kong.	M,Su,W	-	-	-	Least Concern	Least Concern					+	+				+	+	
House Swift	<i>Apus nipalensis</i>	Abundant spring migrant and common resident. Widely distributed in Hong Kong.	R,SpM	-	-	-	Least Concern	Least Concern	+	+								+	+	+
Japanese Thrush	<i>Turdus cardis</i>	Common winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern					+							
Japanese Tit	<i>Parus minor</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern					+	+	+		+	+	+	
Large Hawk Cuckoo	<i>Hierococcyx sparverioides</i>	Locally common spring and summer visitor. Widely distributed in woodland throughout in Hong Kong.	Su	-	-	-	Least Concern	Least Concern				+			+		+	+	+	
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern					+	+			+	+	+	
Little Egret <sup>(10)</sup>	<i>Egretta garzetta</i>	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+	++								+	+
Long-tailed Shrike	<i>Lanius schach</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern		+										
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+		+	+	+	+	++	++	+++	
Northern Shoveler <sup>(10)</sup>	<i>Spatula clypeata</i>	Abundant winter visitor. Found in Deep Bay area.	W	RC	-	-	Least Concern	Least Concern			+									
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common passage migrant and winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern										+	+	
Oriental Magpie	<i>Pica serica</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern											+	
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+		+	+	+	+	+	+	+++	
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor and migrant. Found in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+						

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Plain Prinia	<i>Prinia inornata</i>	Locally common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+			+								
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Passage migrant and common visitor. Widely distributed in open area throughout Hong Kong.	Su	-	-	-	Least Concern	Least Concern									+		+	
Red-billed Blue Magpie	<i>Urocissa erythronycha</i>	Common resident. Widely distributed in woodland edges throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern				+	+	+	+		+	+	+	
Red-rumped Swallow	<i>Cecropis daurica</i>	Locally common passage migrant and winter visitor. Widely distributed in Hong Kong.	M	-	-	-	Least Concern	Least Concern									+			
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	++	+	+	+	+	+++	+++	+	+	++++	++++	
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+	+					+	+	++	
Scarlet Minivet	<i>Pericrocotus speciosus</i>	Common resident. Found in Tai Po Kau, the Peak, Lam Tsuen, Cape D'Aguilar Road, Shing Mun.	R	-	-	-	Least Concern	Least Concern						+						
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	Common resident. Widely distributed in wooded area throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern						+					+	
Siberian Rubythroat	<i>Callope callope</i>	Common winter visitor and passage migrant. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern										+		
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern										+		
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+	+	+	+	+	+	++	++++	
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,?W	-	-	-	Least Concern	Least Concern	+				+	++	+	+		+	+++	
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern	+	+	++						+	+	+	
White-breasted Waterhen <sup>(10)</sup>	<i>Amaurornis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+		+	+				+	+	
White-rumped Munia	<i>Lonchura striata</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern									+			
White's Thrush	<i>Zoothera aurea</i>	Uncommon winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern										+		
White-shouldered Starling	<i>Sturnia sinensis</i>	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mui Wo, Lam Tsuen Valley.	M,W,Su	(LC)	-	-	Least Concern	Least Concern	+										+	
White-throated Kingfisher <sup>(10)</sup>	<i>Halcyon smyrnensis</i>	Common resident. Widely distributed in coastal areas throughout Hong Kong.	AM,P	(LC)	-	-	Least Concern	Least Concern	+	+	+									
Wood Sandpiper <sup>(10)</sup>	<i>Tringa glareola</i>	Common migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	LC	-	-	Least Concern	Least Concern			+									
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	+	+	+	+	+	+	+	+	
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+				+	+	
<b>Total No. of Species Recorded</b>									<b>20</b>	<b>27</b>	<b>33</b>	<b>12</b>	<b>18</b>	<b>27</b>	<b>19</b>	<b>19</b>	<b>27</b>	<b>28</b>	<b>43</b>	<b>12</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerly, P.R., Leader, P. J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong Bird Watching Society, Hong Kong. R=resident; W=winter visitor; Su=summer visitor; M=migrant; Sp=spring; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear

(5) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Aides, G.W.J., Carey, G.J., Chen, 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight

Species of conservation importance is in bold type face.

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

10.3d Butterfly Species Recorded within the Ngau Tam Mei/Pok Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Local Restrictedness and species of conservation concern <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA
Bush Hopper	<i>Ampittia dioscorides</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-							+				
Rare Swift	<i>Parnara ganga</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-										+	
Bevan's Swift	<i>Pseudoborbo bevani</i>	Keung Shan, Sham Chung, Cheung Sheung, San Uk Ha, Tai Mo Shan, Shing Mun, Pui O, Ngong Ping	Uncommon	-	-	-									+		
Banded Demon	<i>Notocrypta paralysos</i>	Widely distributed throughout Hong Kong	Rare	-	-	-							+				
Common Bluebottle	<i>Graphium sarpedon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-					+	+					+
Tailed Jay	<i>Graphium agamemnon</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+	+	+	+					+
Common Mime	<i>Chilasa clytia</i>	Widely distributed throughout Hong Kong	Common	-	-	-					+			+			+
Swallowtail	<i>Papilio xuthus</i>	Kap Lung, Ma On Shan, Tai Tam, Sha Lo Wan, Kat O, Lung Kwu Tan, Wu Kau Tang, Lung Kwu Chau	Rare	-	-	-			+						+		
Lime Butterfly	<i>Papilio demoleus</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+			
Red Helen	<i>Papilio helenus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+				+	+		+	+
Common Mormon	<i>Papilio polytes</i>	Widely distributed throughout Hong Kong	Very common	-	-	-		+	+	+		++	+	+	++	+++	++++
Great Mormon	<i>Papilio memnon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-					+	+	+	+	+	+	+++
Spangle	<i>Papilio protenor</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+		+	+	+	+	+	+	+++
Chinese Peacock	<i>Papilio bianor</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+				+
Paris Peacock	<i>Papilio paris</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+		+	++	+		+	+	++
Common Birdwing <sup>(1)(2)</sup>	<i>Troides helena</i>	Widely distributed throughout Hong Kong	Uncommon; Species of conservation concern	-	-	Least Concern; (Green Status Moderately Depleted)											+
Red-base Jezebel	<i>Delias pasithoe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+	++	+	+		+	++		+		++++
Indian Cabbage White	<i>Pieris canidia</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	++	+	+++	++	+	++		+	++	++++	++++
Small Cabbage White	<i>Pieris rapae</i>	Shep Mun Kap, Fan Lau, Ngong Ping, Kam Tin, Ho Chung, Luk Keng, Tuen Mun Ash Lagoon	Rare	-	-	-											+++
-	<i>Pieris spp.</i>	-	-	-	-	-	+	+	+	+							+++
Great Orange Tip	<i>Hebomoia glaucippe</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+		+	+					+		++
Mottled Emigrant	<i>Catopsilia pyranthe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-								+			+
Lemon Emigrant	<i>Catopsilia pomona</i>	Widely distributed throughout Hong Kong	Common	-	-	-					+	+			+	+	++
-	<i>Catopsilia spp.</i>	-	-	-	-	-		+	+					+	+		+
Common Grass Yellow	<i>Eurema hecabe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+	+	+	+	+	++
-	<i>Eurema spp.</i>	-	-	-	-	-			+			+	++	+	+	+	+++
Purple Sapphire	<i>Heliophorus epicles</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+					+
Transparent 6-line Blue	<i>Nacaduba kurava</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+	+		+
Dark Cerulean	<i>Jamides bochus</i>	Widely distributed throughout Hong Kong	Common	-	-	-					+	+					+
Metallic Cerulean	<i>Jamides alecto</i>	Victoria Peak, Fung Yuen, Chuen Lung, Mui Wo	Very rare	-	-	-											+
Long-tailed Blue	<i>Lampides boeticus</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+								
Pale Grass Blue	<i>Pseudozizeeria maha</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+				++	+	+	++	++++
Dark Grass Blue	<i>Zizeeria karsandra</i>	High Junk Peak, Kat O, Po Toi, Shek Mun Kap, Lai Chi Wo, Yung Shue O	Uncommon	-	-	-								+			
Common Hedge Blue	<i>Acytolepis puspa</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+	+	++
Tiny Grass Blue	<i>Zizula hylax</i>	Lung Kwu Tan, Fung Yuen, Sha Lo Wan	Very rare; Species of conservation concern	-	-	Least Concern									+		
Fluffy Tit	<i>Zeltus amasa</i>	-	-	-	-	-					+				+		
Punchinello	<i>Zemeros flegyas</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+				+	
Plum Judy	<i>Abisara echerius</i>	Widely distributed throughout Hong Kong	Very common	-	-	-					+	+	+	+	+	+	+
Common Evening Brown	<i>Melanitis leda</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+					
Dark Evening Brown	<i>Melanitis phedima</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-					+						
Banded Tree Brown	<i>Lethe confusa</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+	+				
Common Palmfly	<i>Elymnias hypermnestra</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+
Dark-brand Bush Brown	<i>Mycalasis mineus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-					+	++++	+	+	+	+	++
South China Bush Brown	<i>Mycalasis zonata</i>	Widely distributed throughout Hong Kong	Common	-	-	-					+						+
Common Five-ring	<i>Ypthima baldus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-					+	+	+				+

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Local Restrictedness and species of conservation concern <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA
Small Three-ring	<i>Ypthima norma</i>	Pak Tam Chung, Ngau Kwo Lo, Kai Shan	Very rare; Species of conservation concern	LC	-	-									++		
Large Faun	<i>Faunis eumeus</i>	Widely distributed throughout Hong Kong	Common	-	-	-					+	+				+	++
Common Duffer	<i>Discophora sondaica</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-					+						
Tawny Rajah	<i>Charaxes bernardus</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+								+
Angled Castor	<i>Anadra ariadne</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+	+	+			+			++	++	+++
Rustic	<i>Cupha erymanthis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-					+						+
Indian Frillary	<i>Argyreus hyperbius</i>	Widely distributed throughout Hong Kong	Common	-	-	-		+	+								+
Blue Admiral	<i>Kaniska canace</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+	+				
Grey Pansy	<i>Junonia atlites</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern		+								+	
Chocolate Pansy	<i>Junonia iphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+			+	+	+	+		
Great Eggfly	<i>Hypolimnas bolina</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+			+			+	++	+++
<b>Danaid Eggfly</b>	<b><i>Hypolimnas misippus</i></b>	Ngau Ngak Shan, Lung Kwu Tan, Hong Kong Wetland Park, Mount Parker, Cloudy Hill, Lin Ma Hang	Uncommon	LC	-	Least Concern									+		
Common Sailer	<i>Neptis hylas</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+	+	+	+	+	++
Common Sergeant	<i>Athya perius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-										+	
Colour Sergeant	<i>Athya nefte</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+
Staff Sergeant	<i>Athya selenophora</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+			+	
Five-dot Sergeant	<i>Parathyma sulphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+
White-edged Blue Baron	<i>Euthalia phemius</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+		+	
Common Mapwing	<i>Cyrestis thyodamas</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		+
Red Ring Skirt	<i>Hestina assiniis</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+	+	+	+		+
Common Archduke	<i>Lexias pardalis</i>	Widely distributed throughout Hong Kong	Unknown; First recorded in 2008, monitoring underway	-	-	-						+					+
Glassy Tiger	<i>Parantica aglea</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+
Ceylon Blue Glassy Tiger	<i>Ideopsis similis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+				+			
Blue Tiger	<i>Tirumala limniace</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+	+
Plain Tiger	<i>Danaus chrysippus</i>	Lung Kwu Tan, Tong Fuk, Tai Ho, Tung Chung, Pak Tam Chung	Uncommon	-	-	Least Concern	+		+							+	+
Common Tiger	<i>Danaus genutia</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-									+	+	++
Common Indian Crow	<i>Euploea core</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern					+			+	+		+
<b>Total No. of Species Recorded</b>							<b>7</b>	<b>8</b>	<b>22</b>	<b>7</b>	<b>19</b>	<b>27</b>	<b>25</b>	<b>22</b>	<b>30</b>	<b>23</b>	<b>48</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.

(5) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; WAL=Wet Agricultural Land; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3d Odonate Species Recorded in the Ngau Tam Mei/Pok Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	V/O	DA
Common Blue Jewel	<i>Rhinocypha perforata perforata</i>	Widely distributed in fast flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-			+								
Black-banded Gossamerwing	<i>Euphaea decorata</i>	Widely distributed in all streams of Hong Kong; Very Widespread	-	-	Least Concern	-			+			+					
Orange-tailed Midget	<i>Agriocnemis femina oryzae</i>	Widely distributed in disused paddy fields, marshes, ditches and weedy ponds margins; Scattered	-	-	Least Concern	-	+										
Orange-tailed Sprite	<i>Ceragrion auranticum ryukyuanum</i>	Widely distributed in weedy ponds, marshes, abandoned fields or grasslands adjacent to waters; Very Widespread	-	-	Least Concern	-			+								
Common Bluetail	<i>Ischnura senegalensis</i>	Widely distributed in all wetland habitats except fast flowing rivers throughout Hong Kong; Scattered	-	-	Least Concern	-								+			
Eastern Lilysquatter	<i>Paracercion melanotum</i>	Found in ponds and streams with floating plants. Recorded in Hong Kong Wetland Park, Lai Chi Wo, Luk Keng and Shek Kwu Chau; Sparse	-	-	Least Concern	-	+										
Yellow Featherlegs	<i>Copera marginipes</i>	Widely distributed in lowland streams, ditches, and weedy margins of pond throughout Hong Kong; Widespread	-	-	Least Concern	-			+		+						
Black Threadtail	<i>Prodasineura autumnalis</i>	Often perches on the plants near streams. Widely distributed in streams throughout Hong Kong; Widespread	-	-	Least Concern	-			+				+				+
Lesser Emperor	<i>Anax parthenope julius</i>	Often found in lowland ponds and sluggish rivers. Widely distributed throughout Hong Kong; Scattered	-	-	Least Concern	-		+									
Common Flangetail	<i>Ictinogomphus pertinax</i>	Widely distributed in ponds and still water throughout Hong Kong; Widespread	-	-	Least Concern	-		+									
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	Widely distributed in marshes and weedy ponds throughout Hong Kong; Widespread	-	-	Least Concern	-			+								
Asian Amberwing	<i>Brachythemis contaminata</i>	Widely distributed in weedy ponds and sluggish streams; Scattered	-	-	Least Concern	-		+									
Crimson Darter	<i>Crocothemis servilia servilia</i>	Widely distributed in cultivated areas, ponds and marshes throughout the New Territories; Scattered	-	-	Least Concern	-		+	+								
Blue Percher	<i>Diplacodes trivialis</i>	Widespread, especially in late summer, when it can be found almost everywhere in Hong Kong; Sparse	-	-	Least Concern	-											+
Forest Chaser	<i>Lyriothemis elegantissima</i>	Frequents marshes beside woodlands. Widespread throughout Hong Kong; Widespread	-	-	Least Concern	-			+								
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-			+	+		+					+
Pied Percher	<i>Neurothemis tullia tullia</i>	Favours marshes and abandoned rice paddies. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-			+								
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-	+	+									
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-			+			+	+			+	+
Marsh Skimmer	<i>Orthetrum luzonicum</i>	Widely distributed in abandoned paddies, marshy swampy and boggy locations; Widespread	-	-	Least Concern	-	+										
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-	++	+	+++						+	+	++
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-	+	+	+	+		+			+	+	+

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	V/O	DA
Blue Chaser	<i>Potamarcha congener</i>	Found in small weedy ponds, puddles and marshes. Widely distributed in the New Territories; Scattered	LC	-	Least Concern	-										+	+
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-		+	++++	+				+	+++	+	++++
Pied Skimmer	<i>Pseudothemis zonata</i>	Widely distributed in woodlands adjacent to reservoirs, sluggish streams, ponds, tanks and marshes throughout Hong Kong; Very Widespread	-	-	Least Concern	-			+			+					+
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-	+	++	++	+				+	++	+	+++
Saddlebag Glider	<i>Tramea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-		+						+			+
Crimson Dropwing	<i>Trithemis aurora</i>	Found in marshes, ponds, streams, and/or even ornamental ponds in urban areas. Widely distributed throughout Hong Kong; Very Widespread	-	-	Least Concern	-		+	++					+		+	+
Indigo Dropwing	<i>Trithemis festiva</i>	Favours sluggish sections of streams with a strong current or the small rock pools in mountain streams. Widespread in Hong Kong; Widespread	-	-	Least Concern	-			+								+
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	Widely distributed in thick undergrowth, tree foliage and shady spots near water courses throughout Hong Kong; Scattered	-	-	Least Concern	-											+
<b>Total No. of Species Recorded</b>							<b>7</b>	<b>11</b>	<b>18</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>7</b>	<b>14</b>

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Abbreviation for Habitats: MA=Marsh/Reed; WRCW=Westrail Compensatory Wetland; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; WAL=Wet Agricultural Land; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3d Herpetofauna Species Recorded in the Ngau Tam Mei/Pok Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	PO	WC	DAL	MWL	SL	GL	VO	DA
<b>Amphibian</b>																
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern					+			+	++
Spotted Narrow-mouthed Frog	<i>Kalophrynus interlineatus</i>	Widely distributed from low to moderate altitudes in northern and central New Territories	-	-	-	Near Threatened	Least Concern						+		+	+
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern									+
Butler's Pygmy Frog	<i>Microhyla butleri</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+					+	+++	
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern			+						+
Marbled Pygmy Frog	<i>Microhyla pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+							++
Paddy Frog	<i>Fejervarya limncharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern			+						++
Gunther's Frog	<i>Sylvirana guentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	++	+++	++	+	+		++	++	+
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+		+					+++	++++
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern			++		+	+		++	++++
<b>Total No. of Species Recorded</b>								<b>2</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>9</b>	<b>8</b>
<b>Reptile</b>																
Red-eared Slider	<i>Trachemys scripta elegans</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	Least Concern			+						
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern									++
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	-	Least Concern					+			+	+++
Brook's Gecko	<i>Hemidactylus brookii</i>	Distributed in buildings in the western district on Hong Kong Island and Northern New Territories	-	-	-	-	Least Concern								+	++
House Gecko	<i>Hemidactylus frenatus</i>	Recorded in Hong Kong Island	-	-	-	-	Least Concern									+
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed throughout Hong Kong.	-	-	-	Least Concern	Least Concern	+						+	+	+
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern									++
Red-necked Keelback	<i>Rhabdophis subminiatus helleri</i>	Very common and widely distributed in Hong Kong	-	-	-	-	Least Concern									+
Checked Keelback	<i>Xenochrophis flavipunctatus</i>	Widely distributed in streams in the New Territories and Lantau Island	-	-	-	-	Least Concern			+						
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>7</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) 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.

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

(4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.

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

(6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; MWL=Mixed Woodland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3d Mammal Species Recorded within the Ngau Tam Mei/Pok Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	PO	WC	DAL	WL	MWL	PL	VO	DA
Himalayan Leaf-nosed Bat <sup>(1)</sup>	<i>Hipposideros armiger</i>	Widely distributed in countryside areas throughout Hong Kong	(LC)	-	-	Least Concern	Least Concern					+		+	++++ <sup>(9)</sup>
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern							+	++
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	+		+		+	+		+++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-	+				+	+	+	++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-		+	+			+	+	+
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tyfoncteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong	(LC)	-	Rare	Least Concern	Least Concern	+	+	+		+	+		++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	-	-	-	Least Concern	Least Concern					+			
Masked Palm Civet <sup>(1)</sup>	<i>Paguma larvata</i>	Widely distributed in countryside areas throughout Hong Kong, except for Lantau Island and northwestern New Territories	PRC	-	-	Near Threatened	Least Concern				+				
Small Indian Civet <sup>(1)</sup>	<i>Viverricula indica</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	-	Class II	-	Vulnerable	Least Concern				+				
Leopard Cat <sup>(1)(2)</sup>	<i>Prionailurus bengalensis</i>	Widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	-	-	Vulnerable	Vulnerable	Least Concern				+	+			
Eurasian Wild Pig	<i>Sus scrofa</i>	Very widely distributed in countryside areas throughout Hong Kong	-	-	-	Least Concern	Least Concern					++++			
Red Muntjac	<i>Muntiacus muntjak</i>	Very widely distributed in countryside areas throughout Hong Kong	PRC	-	-	Near Threatened	Least Concern					+			
<b>Total No. of Species Recorded</b>								<b>3</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>6</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(6) Wang, S. (1998). China Red Data Book of Endangered Animals. Mammalia. 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) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(9) Presence of bat roost

Abbreviation for Habitats: PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; VO=Village/Orchard; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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





Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Common passage migrant and winter visitor. Widely distributed in agricultural fields and marsh edges throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern			+							+		
Eurasian Spoonbill <sup>(2)(10)</sup>	<i>Platalea leucorodia</i>	Uncommon winter visitor. Found in Deep Bay area.	W	LC	Class II	Vulnerable	Near Threatened	Least Concern												+
Eurasian Teal <sup>(10)</sup>	<i>Anas crecca</i>	Common winter visitor. Found in Deep Bay area, Shuen Wan, Tai Lam Chung Reservoir, Victoria Harbour, urban parks.	W	RC	-	-	Least Concern	Least Concern			+++									
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern			+			+					+++	
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common resident and winter visitor. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern								+				
Great Egret <sup>(10)</sup>	<i>Ardea alba</i>	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+	+	+								
Greater Coucal	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern		+					+				+	
Greater Painted-snipe <sup>(10)</sup>	<i>Rostratula benghalensis</i>	Locally common resident. Found in Ha Tsuen, Lok Ma Chau, Kam Tin, Long Valley, Hong Kong Wetland Park	M,R	LC	-	-	Least Concern	Least Concern			+									
Green Sandpiper <sup>(10)</sup>	<i>Tringa ochropus</i>	Common migrant and winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam Tin, Shek Kong, Ho Chung.	W	-	-	-	Least Concern	Least Concern			++							+		
Grey Heron <sup>(10)</sup>	<i>Ardea cinerea</i>	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Agular.	W	PRC	-	-	Least Concern	Least Concern		+		+		+			+			
Grey Wagtail	<i>Motacilla cinerea</i>	Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern			++	+								
Hair-crested Drongo	<i>Dicrurus hottentotus</i>	Common migrant and winter visitor, and locally common resident. Widely distributed in wooded area throughout Hong Kong.	M,Su,W	-	-	-	Least Concern	Least Concern				+		+				+	+	
House Swift	<i>Apus nipalensis</i>	Abundant spring migrant and common resident. Widely distributed in Hong Kong.	R,SpM	-	-	-	Least Concern	Least Concern				+		+			+			
Intermediate Egret <sup>(10)</sup>	<i>Ardea intermedia</i>	Resident and passage migrant. Found in Deep Bay area, Tai Long Wan, Starling Inlet, Tai O, Cape D'Agular.	M,P	RC	-	-	Least Concern	Least Concern		+										
Japanese Tit	<i>Parus minor</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern			+	+	+	+		+	+	+	+	
Large Hawk Cuckoo	<i>Hierococcyx sparveriooides</i>	Locally common spring and summer visitor. Widely distributed in woodland throughout in Hong Kong.	Su	-	-	-	Least Concern	Least Concern										+	+	
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern				+					+			+
Lesser Coucal	<i>Centropus bengalensis</i>	Uncommon resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern									+			
Little Egret <sup>(10)</sup>	<i>Egretta garzetta</i>	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+	++	+						+	+	
Little Grebe <sup>(10)</sup>	<i>Tachybaptus ruficollis</i>	Common resident. Found in Deep Bay area.	P	LC	-	-	Least Concern	Least Concern		+										
Little Ringed Plover <sup>(10)</sup>	<i>Charadrius dubius</i>	Resident, common winter visitor and passage migrant. Widely distributed in freshwater areas throughout Hong Kong.	W,R	(LC)	-	-	Least Concern	Least Concern			+									
Long-tailed Shrike	<i>Lanius schach</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern								+			+	
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern			+	+		+	+	+	+		++	
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common passage migrant and winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern				+								
Oriental Magpie	<i>Pica serica</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern			+									+
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+	+		+		+		+	++	
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor and migrant. Found in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+		+	+	+	+	
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Passage migrant and common visitor. Widely distributed in open area throughout Hong Kong.	Su	-	-	-	Least Concern	Least Concern									+			
Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	Common resident. Widely distributed in woodland edges throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern				+		+						+
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+++	++++		+++		++	++	++++	++++	
Richard's Pipit	<i>Anthus richardi</i>	Common passage migrant, winter visitor and locally common resident. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern									+			
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon resident and passage migrant	Su,?W	-	-	-	Data Deficient	Least Concern			+						+			

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		++++	++++					+	+	+	
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	Common resident. Widely distributed in wooded area throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern					+	+				+		
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern								++	+			
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+	++		+		+	+	+	+++	
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,?W	-	-	-	Least Concern	Least Concern			+			++	+	+++	+	+	+++	
Tufted Duck <sup>(10)</sup>	<i>Aythya fuligula</i>	Abundant winter visitor. Found in Deep Bay area, Nam Chung, Starling Inlet.	W	LC	-	-	Least Concern	Least Concern		+										
Verditer Flycatcher	<i>Eumyias thalassinus</i>	Uncommon winter visitor. Found in Shek Kong, Tai Po Kau, Mui Tze Lam, Lai Chi Wo, Wun Yiu.	W	-	-	-	Least Concern	Least Concern						+						
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern	+	+	+++	++						++	+	
White-breasted Waterhen <sup>(10)</sup>	<i>Amaurornis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern		+	++	+				+			+	
White-shouldered Starling	<i>Sturnia sinensis</i>	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mui Wo, Lam Tsuen Valley.	M,W,Su	(LC)	-	-	Least Concern	Least Concern				+								
Wood Sandpiper <sup>(10)</sup>	<i>Tringa glareola</i>	Common migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	LC	-	-	Least Concern	Least Concern			+									
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern			+	+				+	+			
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+			+		+	
<b>Total No. of Species Recorded</b>									<b>6</b>	<b>20</b>	<b>34</b>	<b>31</b>	<b>5</b>	<b>23</b>	<b>5</b>	<b>18</b>	<b>23</b>	<b>23</b>	<b>30</b>	<b>8</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong Bird Watching Society, Hong Kong. R=resident; W=winter visitor; Su=summer visitor; M=migrant; Sp=spring; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear

(5) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight

Species of conservation importance is in bold type face.

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

10.3e Butterfly Species Recorded within the San Tin/Shek Wu Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA
Spotted Angle	<i>Caprona alida</i>	Lantau South Country Park, Nam Chung, Lung Kwu Tan, Pat Sin Lang	Very rare	LC	-	-									+		
Forest Hopper	<i>Astictopterus jama</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		
Grass Demon	<i>Udaspes folus</i>	Widely distributed throughout Hong Kong	Rare	-	-	-	+										
Formosan Swift	<i>Borbo cinnara</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		
Common Bluebottle	<i>Graphium sarpedon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+		+		+	
Common Jay	<i>Graphium doson</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		
Tailed Jay	<i>Graphium agamemnon</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+			+	+	+
Five-bar Swordtail	<i>Pathysa antiphates</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+					
Common Mime	<i>Chilasa clytia</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+		+	++		
Swallowtail	<i>Papilio xuthus</i>	Kap Lung, Ma On Shan, Tai Tam, Sha Lo Wan, Kat O, Lung Kwu Tan, Wu Kau Tang, Lung Kwu Chau	Rare	-	-	-									+		
Lime Butterfly	<i>Papilio demoleus</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+	+		+
Red Helen	<i>Papilio helenus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+		+			+	+	+
Common Mormon	<i>Papilio polytes</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+	+	+	++	+	++	+	+	++
Great Mormon	<i>Papilio memnon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+			+		+			
Spangle	<i>Papilio protenor</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+		+		+	+		+
Paris Peacock	<i>Papilio paris</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+			+		+	+		+
Red-base Jezebel	<i>Delias pasithoe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+	+	+	++		+	+	+	++++
Indian Cabbage White	<i>Pieris canidia</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			++++	++					+	+	++
Small Cabbage White	<i>Pieris rapae</i>	Shep Mun Kap, Fan Lau, Ngong Ping, Kam Tin, Ho Chung, Luk Keng, Tuen Mun Ash Lagoon	Rare	-	-	-									+		
-	<i>Pieris spp.</i>	-	-	-	-	-			+	+							
Great Orange Tip	<i>Hebomoia glaucippe</i>	Widely distributed throughout Hong Kong	Common	-	-	-											+
Mottled Emigrant	<i>Catopsilia pyranthe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+	+				+	+	+	+
Lemon Emigrant	<i>Catopsilia pomona</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+								+		+
-	<i>Catopsilia spp.</i>	-	-	-	-	-									+		
Common Grass Yellow	<i>Eurema hecabe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+		+	+		+
-	<i>Eurema spp.</i>	-	-	-	-	-			+			+			+		+
Club Silverline	<i>Spindasis syama</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-									+		
Peacock Royal	<i>Tajuria cippus</i>	Ma On Shan, Wu Kau Tang, Tai Po Kau, Mount Nicholson, Victoria Peak, Cloudy Hill	Rare	LC	-	-									+		
Dark Cerulean	<i>Jamides bochus</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+		+	+		+
Metallic Cerulean	<i>Jamides alecto</i>	Victoria Peak, Fung Yuen, Chuen Lung, Mui Wo	Very rare	-	-	-	++	+		+							+
Long-tailed Blue	<i>Lampides boeticus</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		
Pale Grass Blue	<i>Pseudozoeeria maha</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+			+		+	++	+	++
Common Hedge Blue	<i>Acytolepis puspa</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+		+	+	+	
Plains Cupid	<i>Chilades pandava</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-									+		
Punchinello	<i>Zemeros flegyas</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+			+		
Plum Judy	<i>Abisara echerus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-						++		+++	+++		+
Dark-brand Bush Brown	<i>Mycalis mineus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+	+		+++		+	+	+	+
South China Bush Brown	<i>Mycalis zonata</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+					
Common Five-ring	<i>Ypthima baldus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+					+	+	+	
Straight Five-ring	<i>Ypthima lisandra</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+							
Small Three-ring	<i>Ypthima norma</i>	Pak Tam Chung, Ngau Kwo Lo, Kai Shan	Very rare; Species of conservation concern	LC	-	-							+		++		
Large Faun	<i>Faunis eumeus</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+		+			
Shan Nawab	<i>Polyura nepenthes</i>	Cloudy Hill, Shing Mun, Tai Po Kau, Victoria Peak, Lai Chi Wo, Pak Sha O	Uncommon	-	-	-								+	+		
Tawny Rajah	<i>Charaxes bernardus</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+	+				
Angled Castor	<i>Ariadne ariadne</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+		+			+		+
Rustic	<i>Cupha erymanthis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-									+		
Blue Admiral	<i>Kaniska canace</i>	Widely distributed throughout Hong Kong	Common	-	-	-				+							
Chocolate Pansy	<i>Junonia iphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+	
Great Egfly	<i>Hypolimnas bolina</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		++

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	MA	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA
<b>Danaid Eggfly</b>	<b><i>Hypolimnas misippus</i></b>	Ngau Ngak Shan, Lung Kwu Tan, Hong Kong Wetland Park, Mount Parker, Cloudy Hill, Lin Ma Hang	Uncommon	LC	-	Least Concern	+								+		
Common Sailer	<i>Neptis hylas</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+				+	+		+	++	+	+
Southern Sullied Sailer	<i>Neptis clinia</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+			+	+	
Short-banded Sailer	<i>Phaedyma columella</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+										
Common Lascar	<i>Pantoporia hordonia</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-						+					
Common Sergeant	<i>Athyma perius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-								+	+		
Colour Sergeant	<i>Athyma nefte</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+					
Five-dot Sergeant	<i>Parathyma sulphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+	+
White-edged Blue Baron	<i>Euthalia phemius</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+					
Red Ring Skirt	<i>Hestina assimilis</i>	Widely distributed throughout Hong Kong	Common	-	-	-						+			++		
Common Archduke	<i>Lexias pardalis</i>	Widely distributed throughout Hong Kong	Unknown; First recorded in 2008, monitoring underway	-	-	-						+					
Blue Tiger	<i>Tirumala limniace</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+		
Plain Tiger	<i>Danaus chrysippus</i>	Lung Kwu Tan, Tong Fuk, Tai Ho, Tung Chung, Pak Tam Chung	Uncommon	-	-	Least Concern	+			+					+		
Common Tiger	<i>Danaus genutia</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+	+		+					
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+		+		+	+		+
Common Indian Crow	<i>Euploea core</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern				+		+			+		
<b>Total No. of Species Recorded</b>							<b>12</b>	<b>1</b>	<b>14</b>	<b>17</b>	<b>3</b>	<b>32</b>	<b>2</b>	<b>21</b>	<b>45</b>	<b>16</b>	<b>22</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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

10.3e Odonate Species Recorded within the San Tin/Shek Wu Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	PO	WC	WAL	DAL	WL	MWL	SL	GL	VO	DA
Orange-tailed Midget	<i>Agriocnemis femina oryzae</i>	Widely distributed in disused paddy fields, marshes, ditches and weedy ponds margins; Scattered	-	-	Least Concern	-				+							+
Orange-tailed Sprite	<i>Ceragrion auranticum ryukyuanum</i>	Widely distributed in weedy ponds, marshes, abandoned fields or grasslands adjacent to waters; Very Widespread	-	-	Least Concern	-			+		+						
Common Bluetail	<i>Ischnura senegalensis</i>	Widely distributed in all wetland habitats except fast flowing rivers throughout Hong Kong; Scattered	-	-	Least Concern	-			+								
Yellow Featherlegs	<i>Copera marginipes</i>	Widely distributed in lowland streams, ditches, and weedy margins of pond throughout Hong Kong; Widespread	-	-	Least Concern	-			+								
Common Evening Hawker	<i>Anaciaeschna jaspidea</i>	Semi-crepuscular and gregarious; found around marshes and wet lowland agricultural areas. Population scattered in Hong Kong, but more commonly seen in the north New Territories; Sparse	-	-	Least Concern	-			+								
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	Widely distributed in marshes and weedy ponds throughout Hong Kong; Widespread	-	-	Least Concern	-	+										+
Asian Amberwing	<i>Brachythemis contaminata</i>	Widely distributed in weedy ponds and sluggish streams; Scattered	-	-	Least Concern	-			++								
Crimson Darter	<i>Crocothemis servilia servilia</i>	Widely distributed in cultivated areas, ponds and marshes throughout the New Territories; Scattered	-	-	Least Concern	-			+		+				+	+	
Blue Percher	<i>Diplacodes trivialis</i>	Widespread, especially in late summer, when it can be found almost everywhere in Hong Kong; Sparse	-	-	Least Concern	-									+		
Amber-winged Glider	<i>Hydrobasileus croceus</i>	Widely distributed in forested areas throughout Hong Kong; Widespread	-	-	Least Concern	-			+				+		+		+
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-			+								
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-			+								
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-		+	+								
Marsh Skimmer	<i>Orthetrum luzonicum</i>	Widely distributed in abandoned paddies, marshy swampy and boggy locations; Widespread	-	-	Least Concern	-		+									
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-		+	+++				+		+		+
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-			+++		+		+	+	+	+	+
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-	+		+++		+	++	++	++	+++		+++
Pied Skimmer	<i>Pseudothemis zonata</i>	Widely distributed in woodlands adjacent to reservoirs, sluggish streams, ponds, tanks and marshes throughout Hong Kong; Very Widespread	-	-	Least Concern	-		+	+		+				+		+
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-	+	++	++++		++		+		++		++
Saddlebag Glider	<i>Tramea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-			+						+	++	+
Crimson Dropwing	<i>Trithemis aurora</i>	Found in marshes, ponds, streams, and/or even ornamental ponds in urban areas. Widely distributed throughout Hong Kong; Very Widespread	-	-	Least Concern	-			++	+							

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	PO	WC	WAL	DAL	WL	MWL	SL	GL	VO	DA
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	Widely distributed in thick undergrowth, tree foliage and shady spots near water courses throughout Hong Kong; Scattered	-	-	Least Concern	-			+								
<b>Dusk-hawker</b>	<b><i>Gynacantha sp.</i></b>	-	LC	-	-	-			+								
<b>Total No. of Species Recorded</b>							<b>3</b>	<b>5</b>	<b>19</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>9</b>	<b>2</b>	<b>9</b>

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; WAL=Wet Agricultural Land; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3e Herpetofauna Species Recorded within the San Tin/Shek Wu Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	PO	WC	DAL	WL	GL	VO	DA
<b>Amphibian</b>															
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern			+++				++	+++
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+					+	
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern			+					
Marbled Pygmy Frog	<i>Microhyla pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+				
Paddy Frog	<i>Fejervarya limnocharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern			+	+			+	+
Gunther's Frog	<i>Sylvirana guentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern		++	++				+	++
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern			+++					+++
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern		+	+					+
<b>Total No. of Species Recorded</b>								<b>0</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>5</b>
<b>Reptile</b>															
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	Least Concern	+					+	++
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	-	Least Concern	Least Concern			+	+	+	+	++
Garnot's Gecko	<i>Hemidactylus garnotii</i>	Distributed in Lantau Island, Hong Kong Island and Eastern New Territories	-	-	-	-	Least Concern	Least Concern							+
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed throughout Hong Kong.	-	-	-	-	Least Concern	Least Concern					+		+
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	Least Concern			+				
<b>Many-banded Krait</b>	<b><i>Bungarus multicinctus multicinctus</i></b>	Common and widely distributed in Hong Kong	PRC	-	Vulnerable	Endangered	Least Concern			+					
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) 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.

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

(4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.

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

(6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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



10.3e Mammal Species Recorded within the San Tin/Shek Wu Wai Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	China Red Data Book <sup>(5)</sup>	Red List of China's Vertebrates <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	MA	WC	DAL	WL	MWL	GL	VO	DA
Least Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus pusillus</i>	Widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern		+						
Unknown Myotis Species <sup>(1)</sup>	<i>Myotis spp.</i>	-	-	-	-	-	-		+	+					
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern	+	+						+
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	+	+++	++	+	+	++	+	++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-		++	+					++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-		+	+	+				
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tylonycteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong	(LC)	-	Rare	Least Concern	Least Concern		+			+		+	++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	-	-	-	Least Concern	Least Concern					+		+	+
<b>Total No. of Species Recorded</b>								<b>2</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>5</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) Wang, S. (1998). China Red Data Book of Endangered Animals. Mammalia. First Edition. Beijing: Science Press.

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

(7) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3f Avifauna Species Recorded within the Kwu Tung/Chau Tau Assessment Area

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Amur Stonechat	<i>Saxicola stejnegeri</i>	Common passage migrant and winter visitor. Widely distributed in open cultivated fields throughout Hong Kong.	W,M	-	-	-	Least Concern	Least Concern		+						+			
Ashy Drongo	<i>Dicurus leucophaeus</i>	Uncommon winter visitor. Found in Shing Mun, Tai Po Kau.	W	LC	-	-	Least Concern	Least Concern		+									
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Common autumn passage migrant and winter visitor. Widely distributed in Hong Kong.	M,W	-	-	-	Least Concern	Least Concern								+			
Asian Koel	<i>Eudynamis scolopaceus</i>	Common resident. Widely distributed in Hong Kong.	Su,R	-	-	-	Least Concern	Least Concern						+		+	+	+	
Azure-winged Magpie	<i>Cyanopica cyanus</i>	Locally common breeding resident. Found in Mai Po.	-	-	-	-	Least Concern	Least Concern		+								+	
Barn Swallow	<i>Hirundo rustica</i>	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.	SpM,Su	-	-	-	Least Concern	Least Concern	++		+					+	+	++	+
Black Kite <sup>(2)(10)</sup>	<i>Milvus migrans</i>	Common resident and winter visitor. Widely distributed in Hong Kong.	W,R	(RC)	Class II	-	Least Concern	Least Concern										+	+
Black-collared Starling	<i>Gracupica nigricollis</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+					+	+	+	
Black-crowned Night Heron <sup>(10)</sup>	<i>Nycticorax nycticorax</i>	Common resident and migrant. Widely distributed in Hong Kong.	P	(LC)	-	-	Least Concern	Least Concern								+			
Black-faced Bunting	<i>Emberiza spodocephala</i>	Common winter visitor and passage migrant. Widely distributed in Hong Kong.	M,W	-	-	-	Least Concern	Least Concern						+		+			
Black-winged Stilt <sup>(10)</sup>	<i>Himantopus himantopus</i>	Common migrant and winter visitor. Found in Deep Bay area, Long Valley, Kam Tin	W	RC	-	-	Least Concern	Least Concern		+									
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common resident. Widely distributed in shrubland and woodland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern							+				
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+						+	+	++	
Chinese Pond Heron <sup>(10)</sup>	<i>Ardeola bacchus</i>	Common resident. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern	+	++	+					+	+		
Collared Crow <sup>(10)</sup>	<i>Corvus torquatus</i>	Locally common resident. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek Lap Kok, Shuen Wan, Lam Tsuen.	R	LC	-	-	Near Threatened	Vulnerable		+									
Common Greenshank <sup>(10)</sup>	<i>Tringa nebularia</i>	Abundant winter visitor and migrant. Found in Deep Bay area.	M,W	RC	-	-	Least Concern	Least Concern		+									
Common Kingfisher <sup>(10)</sup>	<i>Alcedo atthis</i>	Common passage migrant and winter visitor. Widely distributed in wetland habitat throughout Hong Kong.	AM,P	-	-	-	Least Concern	Least Concern		+									
Common Moorhen <sup>(10)</sup>	<i>Gallinula chloropus</i>	Common winter visitor, resident and migrant. Found in Deep Bay area, Shuen Wan, Starling Inlet.	R	-	-	-	Least Concern	Least Concern		+									
Common Myna	<i>Acridotheres tristis</i>	Locally common resident. Found in Mai Po, Sheung Uk Tsuen, Sheung Shui, Kam Tin, Shek Kong, Ping Shan, Mong Tseng.	R	-	-	-	Least Concern	Least Concern										+	
Common Sandpiper <sup>(10)</sup>	<i>Actitis hypoleucos</i>	Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong.	M,W	-	-	-	Least Concern	Least Concern	+	+								+	
Common Tailorbird	<i>Orthotomus sutorius</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+	+	+	+	+	+	+	++	++	
Crested Myna	<i>Acridotheres cristatellus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+	+			+		+	+	++	
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern		+			+				+	+	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern		+	+	+				+	+	+	
Eastern Buzzard <sup>(2)(10)</sup>	<i>Buteo japonicus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	Class II	-	Least Concern	Least Concern										+	
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+	+						+	++++	
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common resident and winter visitor. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern									+		
Great Egret <sup>(10)</sup>	<i>Ardea alba</i>	Common resident, migrant and winter visitor. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+						+			
Greater Coucal	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern			+		+		+	+		+	



Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA	IF
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,?W	-	-	-	Least Concern	Least Concern	+	+	+	+		++		+	+	+++	
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern	+	+++	+					+	+	+	
White-breasted Waterhen <sup>(10)</sup>	<i>Amaurornis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong	R	-	-	-	Least Concern	Least Concern	+	+	+					+		+	
White-shouldered Starling	<i>Sturnia sinensis</i>	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mui Wo, Lam Tsuen Valley.	M,W,Su	(LC)	-	-	Least Concern	Least Concern									++		
White-throated Kingfisher <sup>(10)</sup>	<i>Halcyon smymensis</i>	Common resident. Widely distributed in coastal areas throughout Hong Kong.	AM,P	(LC)	-	-	Least Concern	Least Concern	+	+				+		+			
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+				+		+	+	+	
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern					+	+	+		+	+	
<b>Total No. of Species Recorded</b>									<b>14</b>	<b>36</b>	<b>21</b>	<b>7</b>	<b>9</b>	<b>16</b>	<b>12</b>	<b>28</b>	<b>24</b>	<b>34</b>	<b>6</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven,

(5) 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;

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; PL=Plantation; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight  
Species of conservation importance is in bold type face.

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



Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protecti on Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	PO	WC	DAL	WL	MWL	PL	SL	GL	VO	DA
Blue Tiger	<i>Tirumala limniace</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
Plain Tiger	<i>Danaus chrysippus</i>	Lung Kwu Tan, Tong Fuk, Tai Ho, Tung Chung, Pak Tam Chung	Uncommon	-	-	Least Concern		+						+	+	
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-				+	+	+		+	+	+
Common Indian Crow	<i>Euploea core</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern		+		+		+				+
<b>Total No. of Species Recorded</b>							<b>1</b>	<b>22</b>	<b>9</b>	<b>19</b>	<b>6</b>	<b>14</b>	<b>10</b>	<b>26</b>	<b>24</b>	<b>32</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

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Species of conservation importance is in bold type face.

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

10.3f Odonate Species Recorded within the Kwu Tung/Chau Tau Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	PO	WC	DAL	WL	MWL	SL	GL	VO	DA
Yellow Featherlegs	<i>Copera marginipes</i>	Widely distributed in lowland streams, ditches, and weedy margins of pond throughout Hong Kong; Widespread	-	-	Least Concern	-		+					+	+	+
Marsh Dancer	<i>Onychargia atrocyana</i>	Found in abandoned paddy fields and marshes with dense vegetation; Scattered	-	-	Least Concern	-									+
Black Threadtail	<i>Prodasineura autumnalis</i>	Often perches on the plants near streams. Widely distributed in streams throughout Hong Kong; Widespread	-	-	Least Concern	-		+							
Common Flangetail	<i>Ictinogomphus pertinax</i>	Widely distributed in ponds and still water throughout Hong Kong; Widespread	-	-	Least Concern	-		+							
Crimson Darter	<i>Crocothemis servilla servilla</i>	Widely distributed in cultivated areas, ponds and marshes throughout the New Territories; Scattered	-	-	Least Concern	-					+				
Amber-winged Glider	<i>Hydrobasileus croceus</i>	Widely distributed in forested areas throughout Hong Kong; Widespread	-	-	Least Concern	-						+			
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-		+		+					+
Pied Percher	<i>Neurothemis tullia tullia</i>	Favours marshes and abandoned rice paddies. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-									+
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-		+							
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-		+							
Marsh Skimmer	<i>Orthetrum luzonicum</i>	Widely distributed in abandoned paddies, marshy swampy and boggy locations; Widespread	-	-	Least Concern	-									+
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-		+++	+				+	+	++
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-	+	++	+				+		++
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-	+	+++	++				++++	+	++++
<b>Blue Chaser</b>	<b><i>Potamarcha congener</i></b>	Found in small weedy ponds, puddles and marshes. Widely distributed in the New Territories; Scattered	LC	-	Least Concern	-		+							
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-				+			++		+
Saddlebag Glider	<i>Tramea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-		+	+	+			+		+
Indigo Drowning	<i>Trithemis festiva</i>	Favours sluggish sections of streams with a strong current or the small rock pools inof mountain streams. Widespread in Hong Kong; Widespread	-	-	Least Concern	-		+						+	
<b>Total No. of Species Recorded</b>							<b>2</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>10</b>

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Abbreviation for Habitats: PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; WL=Woodland; MWL=Mixed Woodland; SL=Shrubland; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

**10.3f Herpetofauna Species Recorded within the Kwu Tung/Chau Tau Assessment Area**

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	WC	DAL	VO	DA
<b>Amphibian</b>											
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+++
<b>Spotted Narrow-mouthed Frog</b>	<b><i>Kalophrynus interlineatus</i></b>	Widely distributed from low to moderate altitudes in northern and central New Territories	-	-	-	Near Threatened	Least Concern				++
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		+		+
Butler's Pygmy Frog	<i>Microhyla butleri</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern			++	++
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern				+
Paddy Frog	<i>Fejervarya limnocharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern			+	+
<b>Chinese Bullfrog</b>	<b><i>Hoplobatrachus rugulosus</i></b>	Widely distributed in Hong Kong	PRC	Class II	-	Endangered	Least Concern		+		
Gunther's Frog	<i>Sylvirana quentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+	+		++
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern				++
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>3</b>	<b>2</b>	<b>8</b>
<b>Reptile</b>											
Red-eared Slider	<i>Trachemys scripta elegans</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	Least Concern	+			
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern				+
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern				+++
Garnot's Gecko	<i>Hemidactylus garnotii</i>	Distributed in Lantau Island, Hong Kong Island and Eastern New Territories	-	-	-	Least Concern	Least Concern				+
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed throughout Hong Kong.	-	-	-	Least Concern	Least Concern				+
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern				+
<b>Indo-Chinese Rat Snake</b>	<b><i>Ptyas korros</i></b>	Widely distributed throughout Hong Kong	PRC	-	Endangered	Vulnerable	Near Threatened	+			
<b>Total No. of Species Recorded</b>								<b>2</b>	<b>0</b>	<b>0</b>	<b>5</b>

**Notes:**

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) 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.

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

(4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.

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

(6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: WC=Watercourse; DAL=Dry Agricultural Land; VO=Village/Orchard; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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



10.3f Mammal Species Recorded within the Kwu Tung/Chau Tau Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	WC	SL	VO	DA
Unknown Myotis Species <sup>(1)</sup>	<i>Myotis</i> spp.	-	-	-	-	-	-				+
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern				++
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern	+			+++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-				++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-				+
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tylonycteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong	(LC)	-	Rare	Least Concern	Least Concern				++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	-	-	-	Least Concern	Least Concern		+		+
Eurasian Wild Pig	<i>Sus scrofa</i>	Very widely distributed in countryside areas throughout Hong Kong	-	-	-	Least Concern	Least Concern		+	+	
Red Muntjac	<i>Muntiacus muntjak</i>	Very widely distributed in countryside areas throughout Hong Kong	PRC	-	-	Near Threatened	Least Concern		+		
<b>Total No. of Species Recorded</b>								<b>1</b>	<b>3</b>	<b>1</b>	<b>7</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(6) Wang, S. (1998). *China Red Data Book of Endangered Animals. Mammalia. 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) (2022). *IUCN Red List of Threatened Species. Version 2022.2.*

Abbreviation for Habitats: WC=Watercourse; SL=Shrubland; VO=Village/Orchard; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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

10.3g Avifauna Species Recorded within the Tai Shu Ha Assessment Area

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	MWL	PL	GL	VO	DA	IF
Amur Stonechat	<i>Saxicola stejnegeri</i>	Common passage migrant and winter visitor. Widely distributed in open cultivated fields throughout Hong Kong.	W,M	-	-	-	Least Concern	Least Concern							+			
Asian Koel	<i>Eudynamis scolopaceus</i>	Common resident. Widely distributed in Hong Kong.	Su,R	-	-	-	Least Concern	Least Concern									+	
Barn Swallow	<i>Hirundo rustica</i>	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.	SpM,Su	-	-	-	Least Concern	Least Concern							+	+	++	
Besra <sup>(2)</sup>	<i>Accipiter virgatus</i>	Common resident and migrant. Found in Tai Po Kau, Deep Bay area, Chek Lap Kok, Cheung Chau, Soko Islands.	R	-	Class II	-	Least Concern	Least Concern						+				
Black Kite <sup>(2)(10)</sup>	<i>Milvus migrans</i>	Common resident and winter visitor. Widely distributed in Hong Kong.	W,R	(RC)	Class II	-	Least Concern	Least Concern										+
Black-collared Starling	<i>Gracupica nigricollis</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern							+		+	
Black-throated Laughingthrush	<i>Pterorhinus chinensis</i>	Common resident. Widely distributed in woodland and shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern						+		+		
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common resident. Widely distributed in shrubland and woodland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern						+				
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern						+	+			
Chinese Francolin	<i>Francolinus pintadeanus</i>	Common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Near Threatened	Least Concern							+			
Chinese Grosbeak	<i>Eophona migratoria</i>	Common winter visitor. Found in Kam Tin, Nam Chung, Shek Kong, Deep Bay area, Ho Chung, Lam Tsuen, Hok Tau, Island House and Kowloon Park.	M	LC	-	-	Least Concern	Least Concern						+				
Chinese Pond Heron <sup>(10)</sup>	<i>Ardeola bacchus</i>	Common resident. Widely distributed in Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern		+								
Collared Scops Owl <sup>(2)</sup>	<i>Otus lettia</i>	Common resident. Widely distributed in shrubland throughout Hong Kong.	R	-	Class II	-	Least Concern	Least Concern						+				
Common Kingfisher <sup>(10)</sup>	<i>Alcedo atthis</i>	Common passage migrant and winter visitor. Widely distributed in wetland habitat throughout Hong Kong.	AM,P	-	-	-	Least Concern	Least Concern		+								
Common Tailorbird	<i>Orthotomus sutorius</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern						++	+		+	
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern					+	+		+		
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+			+	
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern									+	
Greater Coucal	<i>Centropus sinensis</i>	Common resident. Widely distributed in Hong Kong.	R	-	Class II	Vulnerable	Least Concern	Least Concern								+		
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common migrant and winter visitor, and locally common resident. Widely distributed in wooded area throughout Hong Kong.	M,Su,W	-	-	-	Least Concern	Least Concern	+					+		+		
House Swift	<i>Apus nipalensis</i>	Abundant spring migrant and common resident. Widely distributed in Hong Kong.	R,SpM	-	-	-	Least Concern	Least Concern										+
Indian Cuckoo	<i>Cuculus micropterus</i>	Locally common spring and summer visitor. Widely distributed in Hong Kong.	Su	-	-	-	Least Concern	Least Concern						+				
Japanese Tit	<i>Parus minor</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern					+	++			+	
Large Hawk Cuckoo	<i>Hierococcyx sparverioides</i>	Locally common spring and summer visitor. Widely distributed in woodland throughout in Hong Kong.	Su	-	-	-	Least Concern	Least Concern						+				
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern					+	+		+		
Little Egret <sup>(10)</sup>	<i>Egretta garzetta</i>	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout Hong Kong.	P	PRC (RC)	-	-	Least Concern	Least Concern							+	+		+
Long-tailed Shrike	<i>Lanius schach</i>	Common resident. Widely distributed in open areas throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern							+			
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern	+	+		+	+	+	+			

Common Name <sup>(1)</sup>	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	Principal Status <sup>(4)</sup>	Level of Concern <sup>(5)</sup>	Protection Status in China <sup>(6)</sup>	China Red Data Book <sup>(7)</sup>	Red List of China's Vertebrates <sup>(8)</sup>	IUCN Red List (Version 2022.2) <sup>(9)</sup>	MA	PO	WC	DAL	MWL	PL	GL	VO	DA	IF
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common passage migrant and winter visitor. Widely distributed in Hong Kong.	W	-	-	-	Least Concern	Least Concern						+	+		+	
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+				+	+	+	+	
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor and migrant. Found in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern					+	+				
Plain Prinia	<i>Prinia inornata</i>	Locally common resident. Widely distributed in grassland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern				+						
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+		+	+	+	+++	++	+	+	
<b>Rufous-capped Babbler</b>	<b><i>Cyanoderma ruficeps</i></b>	Common resident. Found in Shing Mun, Tai Po Kau, Tai Mek Tuk, Ng Tung Chai, Fo Tan, Tai Mo Shan, The Peak, Kadoorie Agricultural Research Centre.	R	LC	-	-	Least Concern	Least Concern						+				
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon resident and passage migrant	Su,W	-	-	-	Data Deficient	Least Concern									+	
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern							+			
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern		+				+		+	++	
Swinhoe's White-eye	<i>Zosterops simplex</i>	Abundant resident. Widely distributed in Hong Kong.	R,W	-	-	-	Least Concern	Least Concern				+	+	++++		+		
White Wagtail	<i>Motacilla alba</i>	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.	W,R	-	-	-	Least Concern	Least Concern				+		+			+	
White-breasted Waterhen <sup>(10)</sup>	<i>Amaurornis phoenicurus</i>	Common resident. Widely distributed in wetland throughout Hong Kong.	R	-	-	-	Least Concern	Least Concern		+						+		
White-rumped Munia	<i>Lonchura striata</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern						+				
White's Thrush	<i>Zoothera aurea</i>	Uncommon winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern						+				
White-throated Kingfisher <sup>(10)</sup>	<i>Halcyon smymensis</i>	Common resident. Widely distributed in coastal areas throughout Hong Kong.	AM,P	(LC)	-	-	Least Concern	Least Concern			+							
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident. Widely distributed in Hong Kong.	R	-	-	-	Least Concern	Least Concern	+						+			
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	W	-	-	-	Least Concern	Least Concern					+	+				
<b>Total No. of Species Recorded</b>									<b>4</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>26</b>	<b>14</b>	<b>12</b>	<b>13</b>	<b>3</b>

Notes:

(1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).

(2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(3) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong Bird Watching Society, Hong Kong. R=resident; W=winter visitor; Su=summer visitor; M=migrant; Sp=spring; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear

(5) Fellowes, J.R., Lau, M.V.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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.

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

(9) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; DAL=Dry Agricultural Land; MWL=Mixed Woodland; PL=Plantation; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland; IF=In Flight  
Species of conservation importance is in bold type face.

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

10.3g Butterfly Species Recorded within the Tai Shu Ha Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Local Restrictedness and species of conservation concern <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	MA	PO	WC	SWG	DAL	MWL	PL	GL	VO	DA
Chinese Dart	<i>Potanthus confucius</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-				+						
Formosan Swift	<i>Borbo cinnara</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+				+	+		
Common Bluebottle	<i>Graphium sarpedon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-							+			
Common Jay	<i>Graphium doson</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+									
Tailed Jay	<i>Graphium agamemnon</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+	+
Common Mime	<i>Chilasa clytia</i>	Widely distributed throughout Hong Kong	Common	-	-	-								+		
Common Mormon	<i>Papilio polytes</i>	Widely distributed throughout Hong Kong	Very common	-	-	-		+	+			+	++	++	+	++
Great Mormon	<i>Papilio memnon</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+				++	++	+	++
Spangle	<i>Papilio protenor</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+				+		+	+
Paris Peacock	<i>Papilio paris</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+					+		+
Indian Cabbage White	<i>Pieris canidia</i>	Widely distributed throughout Hong Kong	Very common	-	-	-								+	+	
Lemon Emigrant	<i>Catopsilia pomona</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+	
-	<i>Catopsilia spp.</i>	-	-	-	-	-										+
Common Grass Yellow	<i>Eurema hecabe</i>	Widely distributed throughout Hong Kong	Very common	-	-	-								+	+	++
-	<i>Eurema spp.</i>	-	-	-	-	-	+	+						+++	+	+++
Chocolate Royal	<i>Remelana jangala</i>	Widely distributed throughout Hong Kong	Common	-	-	-									+	
Green Flash	<i>Artipe eryx</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	Least Concern				+						
Dark Cerulean	<i>Jamides bocho</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
<b>Metallic Cerulean</b>	<b><i>Jamides alecto</i></b>	Victoria Peak, Fung Yuen, Chuen Lung, Mui Wo	Very rare	-	-	-								+		
Long-tailed Blue	<i>Lampides boeticus</i>	Widely distributed throughout Hong Kong	Common	-	-	-								++		
Pale Grass Blue	<i>Pseudozizeeria maha</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+		+		+				+	+
Lesser Grass Blue	<i>Zizina otis</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern							+			
Gram Blue	<i>Euchrysops cnejus</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-								+	+	+
<b>Tiny Grass Blue</b>	<b><i>Zizula hylax</i></b>	Lung Kwu Tan, Fung Yuen, Sha Lo Wan	Very rare; Species of conservation concern	-	-	Least Concern							+			
Tailless Line Blue	<i>Prosotas dubiosa</i>	North Lantau Island	-	-	-	-		+		+				+		
Plum Judy	<i>Abisara echerius</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+		+		+			
Dark Evening Brown	<i>Melanitis phedima</i>	Widely distributed throughout Hong Kong	Uncommon	-	-	-				+			+			
Banded Tree Brown	<i>Lethe confusa</i>	Widely distributed throughout Hong Kong	Common	-	-	-			+				+			
Dark-brand Bush Brown	<i>Mycalasis mineus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-							+	+	+	+
Common Five-ring	<i>Ypthima baldus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-	+						++	+		+
Large Faun	<i>Faunis eumeus</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
Angled Castor	<i>Ariadne ariadne</i>	Widely distributed throughout Hong Kong	Common	-	-	-	+							+		+
Rustic	<i>Cupha erymanthis</i>	Widely distributed throughout Hong Kong	Very common	-	-	-										+
Great Eggfly	<i>Hypolimnas bolina</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+		+	+
Common Sailer	<i>Neptis hylax</i>	Widely distributed throughout Hong Kong	Very common	-	-	-			+					+	+	+
Staff Sergeant	<i>Athyma selenophora</i>	Widely distributed throughout Hong Kong	Common	-	-	-										+
Five-dot Sergeant	<i>Parathyma sulphita</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+			
Common Archduke	<i>Lexias pardalis</i>	Widely distributed throughout Hong Kong	Unknown; First recorded in 2008, monitoring underway	-	-	-										+
Common Tiger	<i>Danaus genutia</i>	Widely distributed throughout Hong Kong	Common	-	-	-							+			+
Blue-spotted Crow	<i>Euploea midamus</i>	Widely distributed throughout Hong Kong	Very common	-	-	-							+	+		
Common Indian Crow	<i>Euploea core</i>	Widely distributed throughout Hong Kong	Common	-	-	Least Concern							+	+		
<b>Total No. of Species Recorded</b>							<b>5</b>	<b>3</b>	<b>9</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>19</b>	<b>17</b>	<b>14</b>	<b>19</b>

Notes:

- (1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.
- (2) AFCD (2011). A Review of the Local Restrictedness of Hong Kong Butterflies.
- (3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
- (4) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (5) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; MWL=Mixed Woodland; PL=Plantation; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland  
 Species of conservation importance is in bold type face.  
 Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant

10.3g Odonate Species Recorded within the Tai Shu Ha Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	PO	WC	SWG	DAL	PL	GL	VO	DA
Black-banded Gossamerwing	<i>Euphaea decorata</i>	Widely distributed in all streams of Hong Kong; Very Widespread	-	-	Least Concern	-			+						
Orange-tailed Sprite	<i>Ceragrion auranticum ryukyuanum</i>	Widely distributed in weedy ponds, marshes, abandoned fields or grasslands adjacent to waters; Very Widespread	-	-	Least Concern	-		+							
Ferruginous-faced Sprite	<i>Pseudagrion pruinatum fraseri</i>	Found in lowland streams with dense vegetation; can tolerate mildly organically polluted streams. Found mainly in the North New Territories; Scattered	-	-	-	-			+						
Yellow Featherlegs	<i>Copera marginipes</i>	Widely distributed in lowland streams, ditches, and weedy margins of pond throughout Hong Kong; Widespread	-	-	Least Concern	-			++						
Black Threadtail	<i>Prodasineura autumnalis</i>	Often perches on the plants near streams. Widely distributed in streams throughout Hong Kong; Widespread	-	-	Least Concern	-			+						
Pale-spotted Emperor	<i>Anax guttatus</i>	Widely distributed in ponds and sluggish streams throughout Hong Kong; Scattered	-	-	Least Concern	-		++							
Common Flangetail	<i>Ictinogomphus pertinax</i>	Widely distributed in ponds and still water throughout Hong Kong; Widespread	-	-	Least Concern	-		++							
<b>Giant Hooktail</b>	<b><i>Megalogomphus sommeri</i></b>	Found in clean, shaded, and fast-flowing sandy streams in woodlands. Mainly occurs in the central and northeast New Territories; Scattered	LC	-	Least Concern	-			+						
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	Found in still water, such as ponds and reservoirs. Recorded in Au Tau, Ho Pui, Kai Kuk Shue Ha, Long Valley, Luk Keng, Nam Chung, Ping Yeung, Sha Po Tsuen, Tai Tong and Hong Kong Wetland Park.; Scattered	-	-	Least Concern	-		+							
Asian Pintail	<i>Acisoma panorpoides panorpoides</i>	Widely distributed in marshes and weedy ponds throughout Hong Kong; Widespread	-	-	Least Concern	-				+					+
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	Widely distributed in marshes and weedy ponds throughout Hong Kong; Widespread	-	-	Least Concern	-		+							
Asian Amberwing	<i>Brachythemis contaminata</i>	Widely distributed in weedy ponds and sluggish streams; Scattered	-	-	Least Concern	-		+							
Crimson Darter	<i>Crocothemis servilia servilia</i>	Widely distributed in cultivated areas, ponds and marshes throughout the New Territories; Scattered	-	-	Least Concern	-		+							
Russet Percher	<i>Neurothemis fulvia</i>	Found in marshes, cultivated areas, streams, tanks and irrigation feeders, sometimes even found in nearly dried out marshy areas. Widely distributed throughout Hong Kong; Widespread	-	-	Least Concern	-	++	++	+	+			+		
Red-faced Skimmer	<i>Orthetrum chrysis</i>	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong; Very Widespread	-	-	Least Concern	-		+	+	+	+			+	
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Widely distributed in streams, conduits, drainage channels, seepages and road gutters throughout Hong Kong; Very Widespread	-	-	Least Concern	-			++			++			
Common Red Skimmer	<i>Orthetrum pruinatum neglectum</i>	Widely distributed in slow streams, ponds, rain puddles and irrigation conduits; Widespread	-	-	Least Concern	-	+		+		+			+	+
Green Skimmer	<i>Orthetrum serapia</i>	Widely distributed in all wetland habitats throughout Hong Kong; Widespread	-	-	Least Concern	-		+					+		+
Wandering Glider	<i>Pantala flavescens</i>	Widely distributed all over Hong Kong; Widespread	-	-	Least Concern	-		+++				++++	++		+
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	Widely distributed in marshes, ponds and tanks throughout Hong Kong; Widespread	-	-	Least Concern	-	++	+							
Saddlebag Glider	<i>Tamea virginia</i>	Widely distributed in trees adjacent to ponds and lakes throughout Hong Kong; Widespread	-	-	Least Concern	-		+							

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	IUCN Red List (Version 2022.2) <sup>(4)</sup>	IUCN Priority Species for Conservation <sup>(5)</sup>	MA	PO	WC	SWG	DAL	PL	GL	VO	DA
Crimson Dropwing	<i>Trithemis aurora</i>	Found in marshes, ponds, streams, and/or even ornamental ponds in urban areas. Widely distributed throughout Hong Kong; <b>Very Widespread</b>	-	-	Least Concern	-		++							
Indigo Dropwing	<i>Trithemis festiva</i>	Favours sluggish sections of streams with a strong current or the small rock pools in of mountain streams. Widespread in Hong Kong; <b>Widespread</b>	-	-	Least Concern	-			+						
<b>Scarlet Basker</b>	<b><i>Urothemis signata signata</i></b>	Common in areas with abandoned fish ponds throughout Hong Kong; <b>Scattered</b>	LC	-	Least Concern	-		+							
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	Widely distributed in thick undergrowth, tree foliage and shady spots near water courses throughout Hong Kong; <b>Scattered</b>	-	-	Least Concern	-				+					
<b>Total No. of Species Recorded</b>							<b>3</b>	<b>15</b>	<b>10</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>4</b>

Notes:

(1)(a) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(b) Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.

(2) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(4) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; PL=Plantation; GL=Grassland; VO=Village/Orchard; DA=Developed Area/Wasteland

Species of conservation importance is in bold type face.

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

10.3g Herpetofauna Species Recorded within the Tai Shu Ha Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(3)</sup>	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 2022.2) <sup>(8)</sup>	MA	PO	WC	SWG	DAL	PL	GL	DA
<b>Amphibian</b>															
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern			+			++		++
Short-legged Toad	<i>Megophrys brachykolos</i>	Widely distributed in upland forest streams throughout Hong Kong	PGC	-	-	Vulnerable	Endangered						+		
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern					+		+	++
Butler's Pygmy Frog	<i>Microhyla butleri</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern	++		+		+		+	+
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	Widely distributed in Hong Kong	-	-	-	-	Least Concern		++			+	++++		
Paddy Frog	<i>Fejervarya limnocharis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern			+	+		+		++
Lesser Spiny Frog	<i>Quasipaa exilispinosa</i>	Widely distributed in upland forest streams throughout Hong Kong	PGC	-	-	Vulnerable	Least Concern				+++		+		
Gunther's Frog	<i>Sylvirana guentheri</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	++	++	++		+	+		++
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern						+++++		+
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	+				+	+		+
<b>Total No. of Species Recorded</b>								<b>3</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>8</b>	<b>2</b>	<b>7</b>
<b>Reptile</b>															
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed throughout Hong Kong	-	-	-	-	Least Concern	Least Concern					+		++
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	-	Least Concern	Least Concern				+	+		+
Garnot's Gecko	<i>Hemidactylus garnotii</i>	Distributed in Lantau Island, Hong Kong Island and Eastern New Territories	-	-	-	-	Least Concern	Least Concern					+		+
<b>Total No. of Species Recorded</b>								<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>3</b>

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(2) 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.

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

(4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.

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

(6) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

Abbreviation for Habitats: MA=Marsh/Reed; PO=Pond; WC=Watercourse; SWG=Seasonally Wet Grassland; DAL=Dry Agricultural Land; PL=Plantation; GL=Grassland; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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

10.3g Mammal Species Recorded within the Tai Shu Ha Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(2)</sup>	Level of Concern <sup>(3)</sup>	Protection Status in China <sup>(4)</sup>	China Red Data Book <sup>(5)</sup>	Red List of China's Vertebrates <sup>(6)</sup>	IUCN Red List (Version 2022.2) <sup>(7)</sup>	SWG	MWL	PL	VO	DA
Least Horseshoe Bat <sup>(1)</sup>	<i>Rhinolophus pusillus</i>	Widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern			+		+
Himalayan Leaf-nosed Bat <sup>(1)</sup>	<i>Hipposideros armiger</i>	Widely distributed in countryside areas throughout Hong Kong	(LC)	-	-	Least Concern	Least Concern			+		+
Unknown Myotis Species <sup>(1)</sup>	<i>Myotis spp.</i>	-	-	-	-	-	-					+
Chinese Noctule <sup>(1)</sup>	<i>Nyctalus plancyi</i>	Fairly widely distributed in countryside areas throughout Hong Kong	PRC, (RC)	-	-	Least Concern	Least Concern			+		+
Japanese Pipistrelle <sup>(1)</sup>	<i>Pipistrellus abramus</i>	Widely distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern			++		+++
Unknown Vespertilionidae species 1 <sup>(1)</sup>	-	-	-	-	-	-	-			+		++
Unknown Vespertilionidae species 2 <sup>(1)</sup>	-	-	-	-	-	-	-			+		++
Lesser Bamboo Bat <sup>(1)</sup>	<i>Tylonycteris fulvida</i>	Fairly widely distributed in countryside areas throughout Hong Kong	(LC)	-	Rare	Least Concern	Least Concern	+		+		++
Pallas's Squirrel <sup>(1)</sup>	<i>Callosciurus erythraeus</i>	Fairly widely distributed, with the styani subspecies found in the New Territories (e.g. Tai Lam, Shing Mun and Tai Po Kau), and the thai subspecies found on the Hong Kong Island (e.g. Tai Tam and Pok Fu Lam)	-	-	-	Least Concern	Least Concern		+	+	+	
East Asian Porcupine <sup>(1)</sup>	<i>Hystrix brachyura</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	PGC	-	-	Least Concern	Least Concern			+		
Small Indian Civet <sup>(1)</sup>	<i>Viverricula indica</i>	Very widely distributed in countryside areas throughout Hong Kong, except for Lantau Island	-	Class II	-	Vulnerable	Least Concern			+		
Eurasian Wild Pig	<i>Sus scrofa</i>	Very widely distributed in countryside areas throughout Hong Kong	-	-	-	Least Concern	Least Concern	+		+		
Red Muntjac	<i>Muntiacus muntjak</i>	Very widely distributed in countryside areas throughout Hong Kong	PRC	-	-	Near Threatened	Least Concern			+		
<b>Total No. of Species Recorded</b>								<b>2</b>	<b>1</b>	<b>12</b>	<b>1</b>	<b>8</b>

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

(3) 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. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.

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

(5) Wang, S. (1998). *China Red Data Book of Endangered Animals. Mammalia*. First Edition. Beijing: Science Press.

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

(7) International Union for the Conservation of Nature (IUCN) (2022). *IUCN Red List of Threatened Species. Version 2022.2*.

Abbreviation for Habitats: SWG=Seasonally Wet Grassland; MWL=Mixed Woodland; PL=Plantation; VO=Village/Orchard; DA=Developed Area/Wasteland  
Species of conservation importance is in bold type face.

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



Appendix 10.3h: Aquatic Communities Fauna Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong <sup>(1)</sup>	Level of Concern <sup>(2)</sup>	Protection Status in China <sup>(3)</sup>	China Red Data Book <sup>(3)</sup>	Red List of China's Vertebrates <sup>(4)</sup>	IUCN Red List (Version 2022.2) <sup>(5)</sup>	FS1	FS2	FS3	FS4	FS5	FS6	FS7	FS8	FS9	FS10	FS11	FS12	FS13	FS14	FS15	FS16	FS17	FS18	FS19	FS20	FS21	FS22	FS23	FS24		
<b>Freshwater Fishes</b>																																	
Nile Tilapia	<i>Oreochromis niloticus</i>	A widespread species occurring in most local streams, rivers and reservoirs. The fish is also cultivated in some fish farms	-	-	-	-	Least Concern							+++											+++	++	+++		+++		+		
-	<i>Channa</i> sp.		-	-	-	-	-							+	+	+									+						+		
-	<i>Rhinogobius duospilus</i>	Probably the commonest goby in Hong Kong and is widely distributed in upper and middle course of streams, sometimes occurs in lowland streams.	-	-	-	-	Data Deficient																								+		
Mosquito Fish	<i>Gambusia affinis</i>	Introduced as a mosquito-control agent, widespread in local freshwater bodies.	-	-	-	-	Least Concern							+	+	+++	+	++							+								
Redbelly Tilapia	<i>Tilapia zillii</i>	Records from streams, rivers and estuaries throughout Hong Kong	-	-	-	-	Least Concern							+	+	+									+								
Grey Mullet	<i>Mugil cephalus</i>	Common. Widespread in estuaries and marine environment in Hong Kong	-	-	-	-	Least Concern										+																
Dwarf Snakehead	<i>Channa gachua</i>	Records from a few streams in North District	-	-	-	-	Least Concern	Least Concern				++	+		+																		
Flat-headed Loach	<i>Oreonectes platycephalus</i>	It can be found in upper streams throughout Hong Kong	-	-	-	-	Least Concern	Data Deficient																							+		
<b>Snails and Bivalves</b>																																	
-	<i>Planorbidae</i> sp.	-	-	-	-	-	-														++			+									
-	<i>Thiaridae</i> sp.	Very common	-	-	-	-	-						+																				
Red-rimmed Melania	<i>Melanoides tuberculata</i>		-	-	-	-	Least Concern																										
Large Stream Snail	<i>Succinea hainanensis</i>	Abundant and widespread. Very common	-	-	-	-	Least Concern																										
Apple Snail	<i>Pomacea canaliculata</i>	Invasive species	-	-	-	-	Least Concern	++																									
Tadpole Snail	<i>Halitina acuta</i>	-	-	-	-	-	Least Concern							++	++	++								++	++	+							
<b>Crabs and Shrimps</b>																																	
-	<i>Helice</i> sp.	-	-	-	-	-	-																										
-	<i>Macrobrachium</i> spp.	-	-	-	-	-	-																										
-	<i>Somanniathelphusa zanklion</i>	Endemic	GC	-	-	-	Endangered																										
Canton Bee Shrimp	<i>Caridina cantonensis</i>	Very common	-	-	-	-	Least Concern								+																	++	
Longbeak Candina Shrimp	<i>Caridina longirostris</i>	-	-	-	-	-	Least Concern																									+	
Stream Crab	<i>Cryptopotamon anacoluton</i>	Common ; Endemic	PGC	-	-	-	Vulnerable																									+	
<b>Dragonflies and Damselflies (Order Odonata)</b>																																	
Red-faced Skimmer (larvae)	<i>Orthetrum chrysis</i>	Abundant; Very Widespread	-	-	-	-	Least Concern						+													+							
Yellow Featherlegs (larvae)	<i>Coperla marginipes</i>	Abundant; Widespread	-	-	-	-	Least Concern								+																		
<b>Mayflies (Order Ephemeroptera)</b>																																	
Mayfly (larvae)	Unidentified sp. 1	-	-	-	-	-	-																										
Prong-gilled Mayfly	Unidentified sp. 1	Very common	-	-	-	-	-																										
Spiny Crawler Mayfly	Unidentified sp. 1	Common	-	-	-	-	-																										
<b>Other Freshwater Fauna</b>																																	
Blood Worm	<i>Chironomus plumosus</i>	Abundant in polluted waters; Very common	-	-	-	-	-							+		++++	+	++++															
-	<i>Chironomidae</i> sp.	-	-	-	-	-	-																										
Water Mite	<i>Hydrachnidae</i> sp.	-	-	-	-	-	-																										
Backswimmer	Unidentified sp. 1	Very common	-	-	-	-	-																										
-	<i>Enithares</i> sp.	Very common	-	-	-	-	-																										
Flatworm	<i>Turbellaria</i> sp.	-	-	-	-	-	-																										
Leech	Unidentified sp. 1	-	-	-	-	-	-																										
-	<i>Hirudinea</i> sp.	-	-	-	-	-	-																										
Waterskater/Water strider	<i>Metrocoris</i> sp.	Very common	-	-	-	-	-																										
-	<i>Ptilomera tigrina</i>	Very common	-	-	-	-	-																										
Worm	<i>Oligochaeta</i> sp.	-	-	-	-	-	-																										
-	<i>Polychaeta</i> sp.	-	-	-	-	-	-																										
Caddisfly	<i>Anisocentropus maculatus</i>	Very common	-	-	-	-	-																										
<b>Total No. of Species Recorded</b>								1	0	1	1	9	0	10	17	7	5	2	1	1	1	1	9	1	11	5	2	0	3	3	7	0	

Notes:

(1) Agriculture, Fisheries and Conservation Department (AFCD) (2022). Hong Kong Biodiversity Information Hub.

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.

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.

Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance.

(2) Followes, 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

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

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

(5) International Union for the Conservation of Nature (IUCN) (2022). IUCN Red List of Threatened Species. Version 2022.2.

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

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