

Evaluation of Floral and Faunal Species of Conservation Interest recorded within the Study Area during the Ecological Surveys in both Dry and Wet Seasons ⁽¹⁾

| Species | Location and Activities (if any) | Protection Status | Distribution | Commonness in Hong Kong |
|---|---|--|---|-------------------------|
| Plant | | | | |
| Incense Tree <i>Aquilaria sinensis</i> | Recorded in secondary woodland to the south of Tsung Yuen Ha Village | Protected under the <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap 586). Category II protected plant in the <i>List of Wild Plants under State Protection</i> in PRC. Near Threatened in PRC ⁽¹⁾ . Listed as "Vulnerable" in the <i>China Plant Red Data Book</i> and by IUCN (2009). | Lowland forests and Fung shui woods | Common |
| Mammal | | | | |
| Small Indian Civet <i>Viverricula indica</i> | Scats recorded along Ha Heung Yuen's trail by stream and abandoned agricultural land | Protected under <i>Wild Animals Protection Ordinance</i> (Cap 170). | Widely distributed in forested areas throughout Hong Kong, except Lantau Island. | Abundant |
| Leopard Cat <i>Prionailurus bengalensis</i> | Scats recorded along the restricted boundary patrol road towards Gate 41, in the north of the Study Area | Class II Protected Animal of PRC. Protected under <i>Wild Animals Protection Ordinance</i> (Cap 170) and <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap 586). Listed as "Vulnerable" in China Red Data Book Appendix I of CITES | Widely distributed in forested areas throughout Hong Kong, except Lantau Island. | Uncommon |
| East Asian / Malayan Porcupine <i>Hystrix brachyura</i> | Road-kill individual recorded along the main road in the north of the Study Area | Protected under <i>Wild Animals Protection Ordinance</i> (Cap 170) | Widespread throughout most of Hong Kong, but no record found on Lantau Island. | Abundant |
| Three unidentified bat species | At least three species of bats recorded (based on their different sizes) near Gate 54 (north of Tsung Yuen Ha) one evening, while on another evening, small unidentified bats were seen flying around the village areas. On a third evening, both small and large unidentified bats were observed flying around Tsung Yuen Ha | All bat species in Hong Kong are Protected under <i>Wild Animals Protection Ordinance</i> (Cap 170). | Widely distributed in forested areas throughout Hong Kong. Some species are also distributed in urban areas | Unknown |
| Bird | | NB All birds in Hong Kong are Protected under the <i>Wild Animals Protection Ordinance</i> (Cap 170). | | |

(1) AFCD (2003) *Rare and Precious Plants in Hong Kong*. AFCD and Friends of the Country Parks

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|---|---|---|--|---|
| Crested Serpent Eagle <i>Spilornis cheela</i> | Recorded flying over secondary woodland near Tsung Yuen Ha | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586). Listed as "Vulnerable" in China Red Data Book. Appendix 2 of CITES. | Found in woodland area; India, South China, Philippines and Indonesia | Rare resident or passage migrant in Hong Kong |
| Besra <i>Accipiter virgatus</i> | Recorded soaring above secondary woodland/plantation in the south of the Study Area and perching in the secondary woodland of Tsung Yuen Ha, which was considered a possible roosting or nesting site | Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586) | Usually in woodland area but can also be found in mangrove; India and SE Asia. | Rare resident in Hong Kong |
| Black Kite <i>Milvus migrans</i> | Recorded soaring above Ping Yuen channel and over the Shenzhen River in the south of the Study Area as well as over the secondary woodland near Chuk Yuen in the middle of the Study Area | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586). Appendix 2 of CITES | Found in many types of habitats; East Eurasia | Common and widespread. Resident and winter visitor in Hong Kong |
| Common Buzzard <i>Buteo buteo</i> | Recorded on multiple occasions throughout the full range of the Study Area, both perching and flying above | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586). Appendix 2 of CITES | Found in many types of habitats; Palaearctic, Himalayas, African, Oriental | Uncommon passage migrant or winter visitor in Hong Kong |
| Peregrine Falcon <i>Falco peregrinus</i> | Recorded soaring above the Study Area over the stream north of Ta Kwu Ling village, hunting for Feral Pigeon | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586). Appendix 1 of CITES | Widely distributed in many types of habitats in Hong Kong; Worldwide distribution. | Rare resident or winter visitor in Hong Kong |
| Greater Spotted Eagle <i>Aquila clanga</i> | Recorded soaring above the Ping Yuen channel in the south of the Study Area | Class I Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586). Listed as "Vulnerable" in IUCN Red List Status. Listed as "Rare" in China Red Data Book. | Found in Deep Bay area; Eurasia and Africa. | Rare winter visitor in Hong Kong |
| Bonelli's Eagle <i>Hieraaetus fasciatus</i> | Recorded soaring above the Ping Yuen channel in the south of the Study Area | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance</i> (Cap. 586). Listed as "Rare" in China Red Data Book | Nest on rocky outcrops; South Eurasia and Africa. Resident in South China. | Rare resident in Hong Kong |

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|--|---|---|---|---|
| Savanna Nightjar <i>Caprimulgus affinis</i> | Recorded calling in the dry abandoned agricultural land near Tsung Tuen Ha village within the Study Area during night survey only. Location shown is only estimate | Uncommon but widely distributed in Hong Kong. | South Asia | Uncommon (but potentially rare) resident and passage migrant in Hong Kong |
| Emerald Dove <i>Chalcophaps indica</i> | Recorded both over developed area in the middle of the Study Area, as well as over shrubby grassland in the north and on one occasion was displaying territorial behaviour, indicating possible breeding | Listed at "Vulnerable" in China Red Data Book. | Favours thick woodland and good secondary growth. South Asia and Australia | Rare and local resident in Hong Kong |
| Greater Coucal <i>Centropus sinensis</i> | Recorded both roosting and perching in low-lying grassland, cultivated land and abandoned agricultural land in the Study Area, habitats that could constitute breeding habitats | Class II Protected Animal of PRC. Listed as "Vulnerable" in China Red Data Book. | Found in many types of habitats in Hong Kong; Oriental | Common and widespread resident in Hong Kong; Very rare in China |
| Lesser Coucal <i>Centropus bengalensis</i> | Mainly recorded towards the north of the Study Area, with one sighting in the south. Sightings were mainly over abandoned agricultural land and shrubby grassland, which similarly to the Greater Coucal, could constitute possible breeding habitats | Class II Protected Animal of PRC. Listed as "Vulnerable" in China Red Data Book. | Found in shrubby area of Hong Kong; Oriental | Uncommon resident in Hong Kong |
| Asian Barred Owlet / Cuckoo Owl <i>Glaucidium cuculoides</i> | Recorded calling in the Study Area during night surveys only. Locations shown are only estimates | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)</i> | Widely distributed in woodland throughout Hong Kong. Oriental including South China | Rare resident in Hong Kong |
| Japanese Sparrowhawk <i>Accipiter gularis</i> | Recorded flying into secondary woodland in the south of the Study Area, after being flushed from a nearby perch | Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)</i> | Found in Chek Lap Kok, Mai Po, Tsim Bei Tsui, Mong Tseng, Cheung Chau, Po Toi, Tung Ping Chau; Asia. | Rare passage migrant and winter visitor in Hong Kong |
| Crested Goshawk <i>Accipiter trivirgatus</i> | Recorded flying overhead in the northern region of the Study Area | Class II Protected Animal of PRC. Protected under <i>Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)</i> . Listed as "Rare" in China Red Data Book. Appendix 2 of CITES | Widely distributed in woodlands and shrublands throughout Hong Kong, widespread in PRC | Locally uncommon resident in Hong Kong |
| Collared Crow <i>Corvus torquatus</i> | Recorded in the secondary woodland opposite to Chuk Yuen village, and the channel outside the Project Site. | Listed as "Near-threatened" in IUCN Red List Status. | Usually recorded near water and often feeds along the shore. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek lap Kok, Shuen Wan, Lam Tsuen. | Uncommon resident in Hong Kong |

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| Greater Painted Snipe <i>Rostratula benghalensis</i> | Recorded among the vegetation in the Ping Yuen channel in the south of the Study Area. Unclear from plumage whether birds were adult males or juvenile males/females. Greater Painted Snipe is a passage migrant in Hong Kong in addition to there being records of localized breeding populations. Although the two birds may have been migrating individuals, there is a possibility that there was a breeding colony in the channel | - | Breeding colonies recorded in Long Valley, Mai Po and Kam Tin. | Rare passage migrant, winter visitor and occasional breeder in Hong Kong |
| Chinese Pond Heron <i>Ardeola bacchus</i> | Found foraging in stream, abandoned agricultural land, channel, and marshy low-lying grassland habitats and flying overhead in developed area in the Study Area; | All ardeid species are considered of "potential regional concern". | Breeds at several egrettries in Hong Kong; East Asia. | Common and widespread resident in Hong Kong. |
| Black-crowned Night Heron <i>Nycticorax nycticorax</i> | Found in stream and channel habitats in the Study Area; foraging. | All ardeid species are considered of "potential regional concern". | Several breeding colonies known in Hong Kong and large concentrations of mostly immature birds roost at Mai Po in the summer and autumn. One of the few heron species to still maintain colonies in South China; Worldwide distribution. | Uncommon resident and passage migrant in Hong Kong |
| Grey Heron <i>Ardea cinerea</i> | Found in stream, channel and marshy low-lying grassland habitats in the Study Area; foraging. | All ardeid species are considered of "potential regional concern". | In Deep Bay area and at Starling Inlet (where it has bred) throughout the year in Hong Kong and many roost at Mai Po outside the breeding season. Occasionally seen elsewhere in Hong Kong; Eurasia and Africa. Breeds throughout China. | Uncommon resident and passage migrant in Hong Kong |
| Great Egret <i>Casmerodius albus</i> | Found in stream habitat in the Study Area; foraging. | All ardeid species are considered of "potential regional concern". | Mainly in northern New Territories in Hong Kong; Worldwide but declining. | Common and widespread resident and winter visitor in Hong Kong. |
| Intermediate Egret <i>Egretta intermedia</i> | Found in stream habitat in the Study Area; foraging. | All ardeid species are considered of "potential regional concern". | Seen annually in Deep Bay area and occasionally elsewhere in Hong Kong; Asia, Africa and Australasia. Breeds South East China. | Rare passage migrant, winter and summer visitor to Hong Kong. |

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|--|--|--|--|---|
| Little Egret <i>Egretta garzetta</i> | Found foraging in stream, pond and marshy low-lying grassland habitats and flying overhead in developed area in the Study Area;. | All ardeid species are considered of "potential regional concern". | Mostly in northern New Territories in Hong Kong; Eastern hemisphere. | Common and widespread resident and winter visitor to Hong Kong. |
| Cattle Egret <i>Bubulcus ibis</i> | Found foraging in cultivated land habitat in the Study Area, but outside the Project Site. | All ardeid species are considered of "potential regional concern". | Mostly confined to the northern New Territories in Hong Kong; Worldwide distribution. | Common and widespread resident and passage migrant in Hong Kong. |
| Little Green Heron <i>Butorides striatus</i> | Found perching in secondary woodland and foraging in stream habitat in the Study Area, but outside the Project Site. | All ardeid species are considered of "potential regional concern". | Wherever mangroves are still found in Hong Kong; almost worldwide excluding Europe. | Uncommon resident as well as summer and winter visitor and passage migrant. |
| Common Teal <i>Anas crecca</i> and | Found foraging in the stream habitat within the Project Site | This species is considered of "regional concern". | Found in Deep Bay area, Shuen Wan, Tai Lam Chung Reservoir, Victoria Harbour, Urban Park; Holarctic, Africa and China. | Common winter visitor. |
| White-breasted Waterhen <i>Amauornis phoenicurus</i> | Found foraging in stream, marshy low-lying grassland and pond habitats, and perching in abandoned agricultural land within the Study Area. | This species is considered of "regional concern". | Widely distributed in wetland throughout Hong Kong; South Asia. | Common resident. |
| Herpetofauna | | | | |
| Chinese Bullfrog <i>Hoplobatrachus chinensis</i> | Recorded along the small stream of Ha Heung Yuen | Class II Protected Animal of PRC. | Widespread throughout the New Territories and Lantau Island | Common |
| Butterfly | | | | |
| Courtesan <i>Euripus nyctelius</i> | Recorded in the low-lying grassland near the Shenzhen river just south of Chuk Yuen | - | First photographed in HKSAR only in the summer of 2006 | Rare |

Note: Based on literature review, there are a number of wildlife species of conservation interest including Small Asian Mongoose, Small Indian Civet, East Asian Porcupine, Leopard Cat, Masked Palm Civet and Red Muntjac, Black Kite, Crested Serpent Eagle, Hwamei and Greater Coucal recorded within the Study Area