

Appendix 3.4a - Fauna Recorded Within the Study Area of the Mai Po Area (MPV)

Avifauna

| Common Name ⁽¹⁾ | Scientific Name | Distribution in Hong Kong | Level of Concern ⁽²⁾ | Protection Status in China ⁽³⁾ | Active Fishpond | Inactive Fishpond / Pond | Reedbed / Freshwater Marsh | Drainage Channel | Grassland | Seasonally Wet Grassland | Shrubland | Plantation | Developed Area / Wasteground |
|---|----------------------------------|---------------------------|---------------------------------|---|-----------------|--------------------------|----------------------------|------------------|-----------|--------------------------|-----------|------------|------------------------------|
| Little Grebe ⁽⁶⁾ | <i>Tachybaptus ruficollis</i> | Common | LC | - | ++ | | | | | | | | |
| Great Cormorant ⁽⁶⁾ | <i>Phalacrocorax carbo</i> | Common | PRC | - | ++ | ++ | | | | | | | |
| Grey Heron ⁽⁶⁾ | <i>Ardea cinerea</i> | Common | PRC | - | ++ | | | ++ | + | | | | |
| Great Egret ⁽⁶⁾ | <i>Egretta alba</i> | Common | PRC (RC) | - | + | | | + | | + | | | |
| Little Egret ⁽⁶⁾ | <i>Egretta garzetta</i> | Common | PRC (RC) | - | +++ | ++ | + | ++ | + | ++ | | | + |
| Cattle Egret ⁽⁶⁾ | <i>Bubulcus ibis</i> | Common | (LC) | - | ++ | | | | ++ | # | | | |
| Chinese Pond Heron ⁽⁶⁾ | <i>Ardeola bacchus</i> | Common | PRC (RC) | - | +++ | + | + | + | ++ | + | | + | + |
| Black-crowned Night Heron ⁽⁶⁾ | <i>Nycticorax nycticorax</i> | Common | (LC) | - | + | | | + | | | | | |
| Black-faced Spoonbill ^{(6)*} | <i>Platalea minor</i> | Common | PGC | Category II | + | | | | | | | | |
| Eurasian Wigeon ⁽⁶⁾ | <i>Anas penelope</i> | Abundant | RC | - | + | | | | | | | | |
| Black Kite ⁽⁶⁾ | <i>Milvus migrans</i> | Common | (RC) | Category II | # | # | | | | | | | |
| Osprey ⁽⁶⁾ | <i>Pandion haliaetus</i> | Common | RC | Category II | # | | | | | | | | |
| Chinese Francolin | <i>Francolinus pintadeanus</i> | Common | - | - | | | | | | | + | | |
| White-breasted Waterhen ⁽⁶⁾ | <i>Amaurornis phoenicurus</i> | Common | - | - | | ++ | | + | + | | | | |
| Common Moorhen ⁽⁶⁾ | <i>Gallinula chloropus</i> | Common | - | - | + | + | | | | | | | |
| Little Ringed Plover ⁽⁶⁾ | <i>Charadrius dubius</i> | Common | (LC) | - | ++ | | | | | | | | |
| Green Sandpiper ⁽⁶⁾ | <i>Tringa ochropus</i> | Uncommon | - | - | ++ | | | | + | | | | |
| Common Sandpiper ⁽⁶⁾ | <i>Actitis hypoleucos</i> | Common | - | - | ++ | | | | | | | | |
| Spotted Dove | <i>Streptopelia chinensis</i> | Common | - | - | ++ | | ++ | | ++ | + | | +++ | +++ |
| Common Koel | <i>Eudynamis scolopacea</i> | Common | - | - | | | | | | | | | ++ |
| Greater Coucal | <i>Centropus sinensis</i> | Common | - | Category II | | | | | | | | | + |
| Common Kingfisher ⁽⁶⁾ | <i>Alcedo atthis</i> | Common | - | - | + | | | | | | | | |
| White-throated Kingfisher ⁽⁶⁾ | <i>Halcyon smyrnensis</i> | Common | (LC) | - | + | | | | | + | | | |
| Barn Swallow | <i>Hirundo rustica</i> | Common | - | - | ++ | ++ | ++ | | | ++ | | | |
| Yellow Wagtail | <i>Motacilla flava</i> | Common | - | - | ++ | | | | ++ | | | | |
| White Wagtail | <i>Motacilla alba</i> | Common | - | - | +++ | | | + | + | + | | | ++ |
| Richard's Pipit | <i>Anthus richardi</i> | Common | - | - | + | | | | + | | | | |
| Olive-backed Pipit | <i>Anthus hodgsoni</i> | Common | - | - | | | | | + | | | | + |
| Red-whiskered Bulbul | <i>Pycnonotus jocosus</i> | Abundant | - | - | +++ | ++ | ++ | ++ | ++ | ++ | ++ | ++++ | ++ |
| Chinese Bulbul | <i>Pycnonotus sinensis</i> | Abundant | - | - | ++ | +++ | + | | ++ | + | ++ | +++ | ++ |
| Sooty-headed Bulbul | <i>Pycnonotus aurigaster</i> | Uncommon | - | - | | | | | + | | | | |
| Long-tailed Shrike | <i>Lanius schach</i> | Common | - | - | + | | + | + | + | + | | + | + |
| Oriental Magpie Robin | <i>Copsychus saularis</i> | Abundant | - | - | +++ | | | ++ | ++ | ++ | ++ | + | + |
| Daurian Redstart | <i>Phoenicurus aureus</i> | Common | - | - | | | | | | | | | + |
| Common Stonechat | <i>Saxicola torquata</i> | Common | - | - | + | | | + | + | | | | + |
| Grey Bushchat | <i>Saxicola ferrea</i> | Rare | LC | - | | | | | + | | | | |
| Masked Laughingthrush | <i>Garrulax perspicillatus</i> | Abundant | - | - | | | | | | + | ++ | | |
| Black-browed Reed Warbler | <i>Acrocephalus bistrigiceps</i> | Common | - | - | | | + | | | | | | |
| Zitting Cisticola | <i>Cisticola juncidis</i> | Common | LC | - | + | | | | + | | | | |
| Yellow-bellied Prinia | <i>Prinia flaviventris</i> | Common | - | - | +++ | | ++ | + | +++ | + | | | ++ |
| Plain Prinia | <i>Prinia inornata</i> | Common | - | - | ++ | + | + | | + | + | | | |
| Common Tailorbird | <i>Orthotomus sutorius</i> | Common | - | - | | | | | + | | | | + |
| Dusky Warbler | <i>Phylloscopus fuscatus</i> | Common | - | - | + | | + | | + | | | | |
| Asian Brown Flycatcher | <i>Muscicapa dauurica</i> | Common | - | - | | | | | | | + | | |
| Fork-tailed Sunbird | <i>Aethopyga christinae</i> | Common | - | - | | | | | | | | | + |
| Japanese White-eye | <i>Zosterops japonica</i> | Abundant | - | - | | | | | | | ++ | + | + |
| Black-faced Bunting | <i>Emberiza spodocephala</i> | Common | - | - | | | + | | | | | | |
| White-rumped Munia | <i>Lonchura striata</i> | Common | - | - | + | | | | | | | | |
| Scaly-breasted Munia | <i>Lonchura punctulata</i> | Common | - | - | ++ | | | | | + | | | + |
| Eurasian Tree Sparrow | <i>Passer montanus</i> | Abundant | - | - | + | | + | | ++ | | +++ | | +++ |
| Red-billed Starling ⁽⁶⁾ | <i>Sturnus sericeus</i> | Common | GC | - | ++ | | | | | | | | |
| White-cheeked Starling | <i>Sturnus cineraceus</i> | Common | PRC | - | + | | | | | | | | |
| Black-collared Starling | <i>Sturnus nigricollis</i> | Common | - | - | ++ | | +++ | | ++ | + | ++ | | ++ |
| White-shouldered Starling | <i>Sturnus sinensis</i> | Common | (LC) | - | | | | | + | | | ++ | |
| Common Myna | <i>Acridotheres tristis</i> | Uncommon | - | - | ++ | | | | | | | | + |
| Crested Myna | <i>Acridotheres cristatellus</i> | Common | - | - | +++ | | | +++ | +++ | ++ | | | +++ |
| Hair-crested Drongo | <i>Dicrurus hottentottus</i> | Common | - | - | + | | | | + | | | | |
| Common Magpie | <i>Pica pica</i> | Common | - | - | + | | | | | | | | |
| Total Species Recorded ⁽⁴⁾ : | | | | | 40 | 9 | 14 | 13 | 27 | 17 | 9 | 8 | 22 |
| Species of Conservation Interest ⁽⁵⁾ : | | | | | 11 | 3 | 2 | 4 | 5 | 3 | 0 | 1 | 2 |

Note:

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

(2) Fellowes *et al.* (2002): GC=Global Concern; RC=Regional Concern; LC=Local Concern; PGC=Potential Global Concern; PRC=Potential Regional Concern.

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

(3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989). [國家重點保護野生動物名錄(1989年1月14日林業局及農業部發佈施行)]

(4) Species at flight were not counted in the number of total species recorded.

(5) Species at flight were not counted in the number of species of conservation interest recorded.

(6) Wetland-dependent Species.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.

* Black-faced Spoonbill is listed as "Endangered in IUCN Red List 2008.

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

Appendix 3.4a - Fauna Recorded Within the Study Area of the Mai Po Area (MPV)

| Common Name | Scientific Name | Distribution in Hong Kong | Level of Concern ⁽¹⁾ | Active Fishpond | Inactive Fishpond / Pond | Reedbed / Freshwater Marsh | Drainage Channel | Grassland | Shrubland | Plantation | Developed Area / Wasteground |
|-----------------------------------|---|---------------------------|---------------------------------|-----------------|--------------------------|----------------------------|------------------|-----------|-----------|------------|------------------------------|
| Dragonflies | | | | | | | | | | | |
| Lesser Emperor | <i>Anax parthenope julius</i> | Common | | | | | | + | | | |
| Blue Dasher | <i>Brachydiplax chalybea flavovittata</i> | Common | - | | | | + | + | | | |
| Asian Amberwing | <i>Brachythemis contaminata</i> | Abundant | - | | | | ++ | ++ | | | ++ |
| Crimson Darter | <i>Crocothemis servilia servilia</i> | Abundant | - | | +++ | | +++ | ++ | | | |
| Amber-winged Glider | <i>Hydrobasileus croceus</i> | Common | - | | | | | +++ | | | |
| Pied Percher | <i>Neurothemis tullia tullia</i> | Common | - | | | | | ++ | | | + |
| Common Red Skimmer | <i>Orthetrum pruinosum</i> | Abundant | - | | | | | ++ | | | |
| Green Skimmer | <i>Orthetrum sabina sabina</i> | Common | - | | ++ | | | + | | | ++ |
| Wandering Glider | <i>Pantala flavescens</i> | Abundant | - | ++++ | | | | ++++ | | | ++++ |
| Variiegated Flutterer | <i>Rhyothemis variegata arria</i> | Common | - | | | | | ++ | ++ | | |
| Scarlet Basker | <i>Urothemis signata signata</i> | Common | LC | | | | | + | | | |
| Common Bluetail | <i>Ischnura senegalensis</i> | Abundant | - | | | | | + | | | |
| Total Species Recorded: | | | | 1 | 2 | 0 | 3 | 12 | 1 | 0 | 4 |
| Species of Conservation Interest: | | | | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

| | | | | | | | | | | | |
|-----------------------------------|-------------------------------------|----------|---|-----|----|-----|----|-----|----|---|-----|
| Butterflies | | | | | | | | | | | |
| Papilionidae | | | | | | | | | | | |
| Common Bluebottle | <i>Graphium sarpedon sarpedon</i> | Common | - | ++ | + | | | ++ | | | + |
| Common Mormon | <i>Papilio polytes polytes</i> | Common | - | +++ | | +++ | | ++ | | | |
| Great Mormon | <i>Papilio memnon agenor</i> | Common | - | | | ++ | | | ++ | | |
| Spangle | <i>Papilio protenor protenor</i> | Common | - | | | + | | | + | | |
| Pieridae | | | | | | | | | | | |
| Small Cabbage White | <i>Pieris rapae crucivora</i> | Uncommon | - | | | | | + | | | |
| Indian Cabbage White | <i>Pieris canidia canidia</i> | Common | - | + | | | | ++ | | | ++ |
| Great Orange Tip | <i>Hebomoia glaucippe glaucippe</i> | Common | - | | | | | | | + | |
| Lemon Emigrant | <i>Catopsilia pomona pomona</i> | Common | - | + | | | | ++ | ++ | | + |
| Common Grass Yellow | <i>Eurema hecabe hecabe</i> | Common | - | ++ | ++ | +++ | ++ | +++ | | | + |
| Nymphalidae | | | | | | | | | | | |
| Angled Castor | <i>Ariadne ariadne alterna</i> | Common | - | | | | | + | | | ++ |
| Great Eggfly | <i>Hypolimnas bolina kezia</i> | Common | - | + | | | | | | | ++ |
| Red Ring Skirt | <i>Hestina assimilis assimilis</i> | Common | - | | | | | | | | + |
| Lycaenidae | | | | | | | | | | | |
| Pale Grass Blue | <i>Zizeeria maha serica</i> | Common | - | | | | | | | | +++ |
| Common Hedge Blue | <i>Acytolepis puspa gisca</i> | Common | - | | | | | + | | | |
| Satyridae | | | | | | | | | | | |
| Dark-band Bush Brown | <i>Mycalesis mineus mineus</i> | Common | - | | | | | + | | | |
| Danaidae | | | | | | | | | | | |
| Common Tiger | <i>Danaus genutia genutia</i> | Common | - | | | | | | | | ++ |
| Total Species Recorded: | | | | 6 | 2 | 4 | 1 | 9 | 3 | 1 | 9 |
| Species of Conservation Interest: | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes:

(1) Fellowes *et al.* (2002): LC=Local Concern

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

Appendix 3.4a - Fauna Recorded Within the Study Area of the Mai Po Area (MPV)

| Common Name | Scientific name | Distribution in Hong Kong | Protection Status | Active Agriculture | Reedbed / Freshwater Marsh | Seasonally Wet Grassland | Developed Area / Wasteground |
|---|-----------------------------|---------------------------|-------------------------|--------------------|----------------------------|--------------------------|------------------------------|
| Mammals | | | | | | | |
| Japanese Pipistrelle | <i>Pipistrellus abramus</i> | Abundant | Cap. 170 ⁽¹⁾ | | # | # | |
| Short-nosed Fruit Bat | <i>Cynopterus sphinx</i> | Abundant | Cap. 170 ⁽¹⁾ | + | | | |
| Total Species Recorded ⁽²⁾ : | | | | 1 | 0 | 0 | 0 |
| Species of Conservation Interest ⁽³⁾ : | | | | 1 | 0 | 0 | 0 |

| | | | | | | | |
|-----------------------------------|---------------------------------|--------------------|---|---|----|----|----|
| Amphibians | | | | | | | |
| Asian Common Toad | <i>Bufo melanostictus</i> | Widely distributed | - | | | ++ | ++ |
| Asiatic Painted Frog | <i>Kaloula pulchra pulchra</i> | Widely distributed | - | | ++ | | |
| Butler's Pigmy Frog | <i>Microhyla butleri</i> | Widely distributed | - | | + | | |
| Paddy Frog | <i>Rana limnocharis</i> | Widely distributed | - | | + | + | |
| Green Cascade Frog | <i>Rana livida</i> | Widely distributed | - | | + | | |
| Brown Tree Frog | <i>Polypedates megacephalus</i> | Widely distributed | - | | ++ | | |
| Ornate Pigmy Frog | <i>Microhyla ornata</i> | Widely distributed | - | | + | | |
| Total Species Recorded: | | | | 0 | 6 | 2 | 1 |
| Species of Conservation Interest: | | | | 0 | 0 | 0 | 0 |

Note:

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

(2) Species at flight were not counted in the number of total species recorded.

(3) Species at flight were not counted in the number of species of conservation interest recorded.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.

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

Appendix 3.4a - Fauna Recorded Within the Study Area of the Mai Po Area (MPV)

Freshwater Communities Recorded in Drainage Channel

| Taxa | Species / Family Name | Common Name | Relative Abundance | | |
|---------------------------|--|-------------------|--------------------|--------------------|--------------------|
| | | | Drainage Channel 1 | Drainage Channel 2 | Drainage Channel 3 |
| Lower Invertebrate | | | | | |
| Hirudinea | | Leeches | +++ | | |
| Oligochaeta | | | ++++ | +++ | +++ |
| Insect | | | | | |
| Ephemeroptera (Mayflies) | Baetidae | | | +++ | ++++ |
| Zygoptera (Damselflies) | Coenagrionidae | | | +++ | + |
| Diptera (True Flies) | Chironomidae | Non-biting Midges | +++ | | |
| | Tipulidae | Craneflies | +++ | | |
| Heteroptera | <i>Ptilomera tigrina</i> | | ++ | ++++ | |
| | <i>Enithares</i> sp. | Backswimmer | | ++ | +++ |
| Snail | | | | | |
| | <i>Melanoides tuberculata</i> | | +++ | | +++ |
| | <i>Sinotaia quadrata</i> | | ++ | | +++ |
| | <i>Radix plicatulus</i> | | +++ | | |
| | <i>Pomacea lineata</i> | | ++++ | | ++ |
| | <i>Biomphalaria straminea</i> | | | | ++ |
| | <i>Physella acuta</i> | | | | ++ |
| Fish | | | | | |
| | <i>Gambusia affinis</i> (Poeciliidae) | Mosquito Fish | +++++ | +++ | |
| | <i>Carassius auratus</i> (Cyprinidae) | Goldfish | | ++++ | |
| | <i>Oreochromis niloticus</i> (Cichlidae) | Nile Tilapia | | +++++ | + |
| | <i>Tilapia zillii</i> (Cichlidae) | Redbelly Tilapia | ++++ | | |

Note:

(1) Locations of drainage channels surveyed are shown in **Figure No. NOL/ERL/300/C/XRL/ENS/M51/200** and **NOL/ERL/300/C/XRL/ENS/M51/201**

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

Appendix 3.4b - Fauna Recorded Within the Study Area of the Shek Kong and Kam Tin Area (TPP, SSS, PHV and TUW)

Avifauna

| Common Name ⁽¹⁾ | Scientific Name | Distribution in Hong Kong | Level of Concern ⁽²⁾ | Protection Status in China ⁽³⁾ | Active Agriculture | Inactive Agriculture | Inactive Fishpond / Pond | Watercourse | Drainage Channel | Grassland | Secondary Woodland | Shrubland | Plantation | Developed Area / Wasteground |
|--|--------------------------------|---------------------------|---------------------------------|---|--------------------|----------------------|--------------------------|-------------|------------------|-----------|--------------------|-----------|------------|------------------------------|
| Grey Heron ⁽⁶⁾ | <i>Ardea cinerea</i> | Common | PRC | - | | | | | | | | | | # |
| Great Egret ⁽⁶⁾ | <i>Egretta alba</i> | Common | PRC (RC) | - | | + | | | | | | | | |
| Little Egret ⁽⁶⁾ | <i>Egretta garzetta</i> | Common | PRC (RC) | - | +++ , # | + | | +++ | +++ | | | ++ | | ++ , # |
| Cattle Egret ⁽⁶⁾ | <i>Bubulcus ibis</i> | Common | (LC) | - | ++ , # | | | + | ++ | | | | | + |
| Chinese Pond Heron ⁽⁶⁾ | <i>Ardeola bacchus</i> | Common | PRC (RC) | - | ++ , # | ++ , # | | ++ | ++ | +, # | | | | ++ , # |
| Black Kite ⁽⁶⁾ | <i>Milvus migrans</i> | Common | (RC) | Category II | | | | | | | | | | # |
| Besra | <i>Accipiter virgatus</i> | Scarce | - | Category II | | | | | | | # | | | |
| Common Buzzard ⁽⁶⁾ | <i>Buteo buteo</i> | Common | - | Category II | | | | | | | | | | # |
| White-breasted Waterhen ⁽⁶⁾ | <i>Amaurornis phoenicurus</i> | Common | - | - | + | + | ++ | ++ | + | | | | | + |
| Common Moorhen ⁽⁶⁾ | <i>Gallinula chloropus</i> | Common | - | - | | | | + | + | | | | | |
| Greater Painted-snipe | <i>Rostratula benghalensis</i> | Rare | LC | - | | | | | + | | | | | |
| Little Ringed Plover ⁽⁶⁾ | <i>Charadrius dubius</i> | Common | (LC) | - | + | | | | ++ | | | | | |
| Green Sandpiper ⁽⁶⁾ | <i>Tringa ochropus</i> | Uncommon | - | - | | | | ++ | ++ | | | | | |
| Wood Sandpiper ⁽⁶⁾ | <i>Tringa glareola</i> | Common | LC | - | +++ | | | | + | | | | | |
| Common Sandpiper ⁽⁶⁾ | <i>Actitis hypoleucos</i> | Common | - | - | | | | + | +++ | | | | | |
| Pintail Snipe / Swinhoe's Snipe ^{(6),(8)} | <i>Gallinago stenura</i> | Common | - | - | | | | + | | | | | | |
| Common Snipe ⁽⁶⁾ | <i>Gallinago gallinago</i> | Common | - | - | | | | | + | | | | | |
| Rock Dove | <i>Columba livia</i> | Common | - | - | ++ | | | + | | | | | | + |
| Rufous Turtle Dove | <i>Streptopelia orientalis</i> | Common | - | - | + | | | | | | ++ | | | |
| Spotted Dove | <i>Streptopelia chinensis</i> | Common | - | - | +++ | ++ | ++ | +++ | +++ | ++ | +++ | ++ | +++ | ++++ |
| Plaintive Cuckoo | <i>Cacomantis merulinus</i> | Uncommon | - | - | | | | | | | | | | + |
| Common Koel | <i>Eudynamis scolopacea</i> | Common | - | - | + | | | | ++ | | | + | | ++ |
| Greater Coucal | <i>Centropus sinensis</i> | Common | - | Category II | ++ | | | ++ | + | | | ++ | | ++ |
| Little Swift | <i>Apus affinis</i> | Common | - | - | | | | | | | | | | ++ |
| Common Kingfisher ⁽⁶⁾ | <i>Alcedo atthis</i> | Common | - | - | + | | + | | | | | | | |
| White-throated Kingfisher ⁽⁶⁾ | <i>Halcyon smyrnensis</i> | Common | (LC) | - | + | | | | | | | | | |
| Eurasian Wryneck | <i>Jynx torquilla</i> | Uncommon | - | - | | | | | | | | | | + |
| Barn Swallow | <i>Hirundo rustica</i> | Common | - | - | ++ | | +++ | ++ | | | | | | +++ |
| Yellow Wagtail | <i>Motacilla flava</i> | Common | - | - | + | | | + | ++ | | | | | |
| Grey Wagtail | <i>Motacilla cinerea</i> | Common | - | - | | + | | + | + | | + | | | ++ |
| White Wagtail | <i>Motacilla alba</i> | Common | - | - | + | + | + | ++ | +++ | | | | | ++ |
| Richard's Pipit | <i>Anthus richardi</i> | Common | - | - | + | | | | | | | | | |
| Olive-backed Pipit | <i>Anthus hodgsoni</i> | Common | - | - | ++ | | | | + | + | | | | |
| Red-throated Pipit | <i>Anthus cervinus</i> | Common | LC | - | + | | | | | | | | | |
| Black-winged Cuckoo-shrike | <i>Coracina melaschistos</i> | Scarce | - | - | | | | | | | + | | | |
| Scarlet Minivet | <i>Pericrocotus flammeus</i> | Common | - | - | | | | | | | + | | | |
| Red-whiskered Bulbul | <i>Pycnonotus jocosus</i> | Abundant | - | - | +++ | ++ | + | ++ | ++++ | +++ | +++ | ++ | ++++ | ++++ |
| Chinese Bulbul | <i>Pycnonotus sinensis</i> | Abundant | - | - | ++ | + | + | + | +++ | | ++ | + | | +++ |
| Chestnut Bulbul | <i>Hypsipetes castanonotus</i> | Common | - | - | | | | | | | | | | + |
| Long-tailed Shrike | <i>Lanius schach</i> | Common | - | - | ++ | ++ | | + | + | ++ | | | | ++ |
| Siberian Rubythroat | <i>Luscinia calliope</i> | Common | - | - | + | | | | + | | + | ++ | + | |
| Oriental Magpie Robin | <i>Copsychus saularis</i> | Abundant | - | - | +++ | ++ | + | ++ | +++ | ++ | ++ | + | ++ | +++ |
| Daurian Redstart | <i>Phoenicurus aureus</i> | Common | - | - | | | | | | | | | + | + |
| Common Stonechat | <i>Saxicola torquata</i> | Common | - | - | + | + | | | ++ | ++ | | | | ++ |
| Blue Whistling Thrush | <i>Myophonus caeruleus</i> | Common | - | - | | | | | | | ++ | | | |
| Common Blackbird | <i>Turdus merula</i> | Common | - | - | | | | | + | + | | | | + |
| Grey-backed Thrush | <i>Turdus hortulorum</i> | Common | - | - | + | | | | + | | | | | |
| Streak-breasted Scimitar Babbler | <i>Pomatorhinus ruficollis</i> | Common | - | - | | | | | | | + | | | |
| Rufous-capped Babbler | <i>Stachyris ruficeps</i> | Uncommon | LC | - | | | | | | | + | | | |
| Masked Laughingthrush | <i>Garrulax perspicillatus</i> | Abundant | - | - | ++ | + | + | | | ++ | ++ | +++ | | ++ |
| Black-throated Laughingthrush | <i>Garrulax chinensis</i> | Common | - | - | | | | | | | + | | | |
| Hwamei | <i>Garrulax canorus</i> | Common | - | - | | | | | | | | | | + |
| Bright-capped Cisticola | <i>Cisticola exilis</i> | Scarce | LC | - | + | | | | | | | | | |
| Yellow-bellied Prinia | <i>Prinia flaviventris</i> | Common | - | - | ++ | + | | ++ | + | ++ | | + | | ++ |
| Plain Prinia | <i>Prinia inornata</i> | Common | - | - | + | | | | + | ++ | | | | |
| Common Tailorbird | <i>Orthotomus sutorius</i> | Common | - | - | + | | | + | + | | + | | ++ | + |
| Dusky Warbler | <i>Phylloscopus fuscatus</i> | Common | - | - | + | | | | + | | + | | + | |
| Pallas's Leaf Warbler | <i>Phylloscopus proregulus</i> | Common | - | - | | | | | | | + | | | |
| Yellow-browed Warbler | <i>Phylloscopus inornatus</i> | Common | - | - | + | | | | + | | + | | + | + |

Appendix 3.4b - Fauna Recorded Within the Study Area of the Shek Kong and Kam Tin Area (TPP, SSS, PHV and TUW)

Avifauna

| Common Name ⁽¹⁾ | Scientific Name | Distribution in Hong Kong | Level of Concern ⁽²⁾ | Protection Status in China ⁽³⁾ | Active Agriculture | Inactive Agriculture | Inactive Fishpond / Pond | Watercourse | Drainage Channel | Grassland | Secondary Woodland | Shrubland | Plantation | Developed Area / Wasteground |
|---|----------------------------------|---------------------------|---------------------------------|---|--------------------|----------------------|--------------------------|-------------|------------------|-----------|--------------------|-----------|------------|------------------------------|
| Asian Brown Flycatcher | <i>Muscicapa dauurica</i> | Common | - | - | | | | | | | + | | | |
| Red-throated Flycatcher | <i>Ficedula albicilla</i> | Uncommon | - | - | | | | | | | | | + | |
| Great Tit | <i>Parus major</i> | Common | - | - | | | | | | | +++ | | | +++ |
| Fork-tailed Sunbird | <i>Aethopyga christinae</i> | Common | - | - | | | | | | | + | | | + |
| Japanese White-eye | <i>Zosterops japonica</i> | Abundant | - | - | ++ | + | | | | ++ | ++ | + | +++ | ++ |
| Little Bunting | <i>Emberiza pusilla</i> | Common | - | - | + | | | | | | | | | |
| Chestnut Bunting | <i>Lonchura atricapilla</i> | Common | - | - | | | | | + | | + | | | |
| Black-faced Bunting | <i>Emberiza spodocephala</i> | Common | - | - | | | | | + | | | | | |
| Common Rosefinch | <i>Carpodacus erythrinus</i> | Rare | LC | - | | | | | | | + | | | |
| White-rumped Munia | <i>Lonchura striata</i> | Common | - | - | ++ | | | | + | | ++ | | | |
| Scaly-breasted Munia | <i>Lonchura punctulata</i> | Common | - | - | +++ | | | | +++ | ++ | | | | ++ |
| Eurasian Tree Sparrow | <i>Passer montanus</i> | Abundant | - | - | +++ | ++++ | ++ | +++ | +++ | +++ | | | | ++++ |
| Red-billed Starling ⁽⁸⁾ | <i>Sturnus sericeus</i> | Common | GC | - | ++ | | | | | | | | | |
| Black-collared Starling | <i>Sturnus nigricollis</i> | Common | - | - | + | +++ | + | ++ | ++ | +++ | | ++ | | +++ |
| White-shouldered Starling ⁽⁷⁾ | <i>Sturnus sinensis</i> | Common | (LC) | - | ++ | + | | | | | | | ++ | [+] ⁽⁷⁾ |
| Common Myna | <i>Acridotheres tristis</i> | Uncommon | - | - | | + | | | + | | | | | + |
| Crested Myna | <i>Acridotheres cristatellus</i> | Common | - | - | ++ | +++ | | +++ | +++ | ++ | +++ | + | | +++ |
| Hair-crested Drongo | <i>Dicrurus hottentottus</i> | Common | - | - | | | | | | | ++ | | | ++ |
| Blue Magpie | <i>Urocissa erythrorhyncha</i> | Common | - | - | | | | | | | | | + | |
| Common Magpie | <i>Pica pica</i> | Common | - | - | + | + | | | + | | | | | |
| Large-billed Crow | <i>Corvus macrorhynchos</i> | Common | - | - | | | | | | | + | | | + |
| Total Species Recorded ⁽⁴⁾ : | | | | | 43 | 21 | 11 | 26 | 39 | 16 | 28 | 13 | 12 | 38 |
| Species of Conservation Interest ⁽⁵⁾ : | | | | | 6 | 3 | 0 | 2 | 4 | 1 | 2 | 1 | 0 | 3 |

Note:

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

(2) Fellowes *et al.* (2002): GC=Global Concern; RC=Regional Concern; LC=Local Concern; PRC=Potential Regional Concern

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

(3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989). 國家重點保護野生動物名 (1989 1月14日 業局及農業部發佈施)

(4) Species at flight were not counted in the number of total species recorded.

(5) Species at flight were not counted in the number of species of conservation interest recorded.

(6) Pintail Snipe and Swinhoe's Snipe are considered to be undistinguishable in field.

(7) Breeding activities of White-shouldered Starling was observed in Developed Area / Wasteground habitat. Hence, the record was considered of conservation interest

(8) Wetland-dependent Species.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.

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

Appendix 3.4b - Fauna Recorded Within the Study Area of the Shek Kong and Kam Tin Area (TPP, SSS, PHV and TUW)

| Common Name | Scientific Name | Distribution in Hong Kong | Level of Concern ⁽¹⁾ | Active Agriculture | Inactive Agriculture | Inactive Fishpond / Pond | Reedbed / Freshwater Marsh | Watercourse | Drainage Channel | Grassland | Shrubland | Plantation | Developed Area / Wasteground |
|-----------------------------------|---|---------------------------|---------------------------------|--------------------|----------------------|--------------------------|----------------------------|-------------|------------------|-----------|-----------|------------|------------------------------|
| Dragonflies | | | | | | | | | | | | | |
| Lesser Emperor | <i>Anax parthenope julius</i> | Common | - | | | | | | + | | | | + |
| Common Flangetail | <i>Ictinogomphus pertinax</i> | Abundant | - | + | | | | | | | | | |
| Asian Amberwing | <i>Brachythemis contaminata</i> | Abundant | - | | ++ | | | + | | | | | ++ |
| Crimson Darter | <i>Crocothemis servilla servilla</i> | Abundant | - | + | + | ++ | | + | ++ | | | | +++ |
| Red-faced Skimmer | <i>Orthetrum chrysis</i> | Common | - | | | | | | | + | | | + |
| Common Blue Skimmer | <i>Orthetrum glaucum</i> | Abundant | - | ++ | | | | + | | | | | + |
| Marsh Skimmer | <i>Orthetrum luzonicum</i> | Abundant | - | | | | | | | + | | | |
| Common Red Skimmer | <i>Orthetrum pruinosum neglectum</i> | Abundant | - | + | ++ | | | ++ | +++ | | | | +++ |
| Green Skimmer | <i>Orthetrum sabina sabina</i> | Common | - | ++ | + | | | ++ | ++ | + | | | ++ |
| Wandering Glider | <i>Pantala flavescens</i> | Abundant | - | ++ | ++ | ++ | | +++ | ++++ | ++ | | ++ | +++ |
| Variogated Flutterer | <i>Rhyothemis variegata arria</i> | Common | - | | | | | + | ++ | | | | + |
| Crimson Drowwing | <i>Trithemis aurora</i> | Abundant | - | | | | | ++ | + | | | | |
| Scarlet Basker | <i>Urothemis signata signata</i> | Common | LC | | | | | + | | | | | |
| Eastern Lilysquatter | <i>Cercion melanotum</i> | Uncommon | - | + | | | | | | | | | + |
| Common Bluetail | <i>Ischnura senegalensis</i> | Abundant | - | ++ | | | | ++ | | | | | |
| Yellow Featherlegs | <i>Copera marginipes</i> | Abundant | - | | | | | + | | | | | |
| Orange-backed Threadtail | <i>Prodasineura croconota</i> | Common | LC | + | | | | | | | | | |
| Total Species Recorded: | | | | 9 | 5 | 2 | 0 | 11 | 7 | 4 | 0 | 1 | 10 |
| Species of Conservation Interest: | | | | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Butterflies | | | | | | | | | | | | | |
| Hesperiidae | | | | | | | | | | | | | |
| Water Snow Flat | <i>Tagiades litigiosus litigiosus</i> | Common | - | | | | | | | | | | + |
| Bush Hopper | <i>Ampittia dioscorides etura</i> | Uncommon | - | + | | | | | | | | | |
| Papilionidae | | | | | | | | | | | | | |
| Common Bluebottle | <i>Graphium sarpedon sarpedon</i> | Common | - | | ++ | | | | ++ | | | | ++ |
| Common Jay | <i>Graphium doson axion</i> | Uncommon | - | | | | | + | | | | | |
| Tailed Jay | <i>Graphium agamemnon agamemnon</i> | Common | - | | | | | | | | | | + |
| Five-bar Swordtail | <i>Pathysa antiphates antiphates</i> | Common | - | | | | | | | | | | + |
| Common Mime | <i>Chilasa clytia clytia</i> | Common | - | | | | | ++ | | | | | + |
| Red Helen | <i>Papilio helenus helenus</i> | Common | - | | | | | +++ | | ++ | | | ++ |
| Common Mormon | <i>Papilio polytes polytes</i> | Common | - | | ++ | | | ++ | ++ | | ++ | | ++ |
| Great Mormon | <i>Papilio memnon agenor</i> | Common | - | +++ | | | | ++ | | | + | | ++ |
| | <i>Papilio protenor protenor</i> | Common | - | | | | | | | | + | | + |
| Chinese Peacock | <i>Papilio bianor bianor</i> | Common | - | | | | | ++ | | | | | + |
| Pieridae | | | | | | | | | | | | | |
| Small Cabbage White | <i>Pieris rapae crucivora</i> | Uncommon | - | | | | | | | | | | + |
| Indian Cabbage White | <i>Pieris canidia canidia</i> | Common | - | ++ | + | ++ | ++ | + | + | ++ | ++ | ++ | +++ |
| Yellow Orange Tip | <i>Ixias pyrene pyrene</i> | Uncommon | - | | | | | ++ | | | | | |
| Great Orange Tip | <i>Hebomoia glaucippe glaucippe</i> | Common | - | | | | | | | | + | | + |
| Mottled Emigrant | <i>Catopsilia pyranthe pyranthe</i> | Common | - | | | | | | | | | | + |
| Lemon Emigrant | <i>Catopsilia pomona pomona</i> | Common | - | | | | | ++ | | ++ | | | + |
| Common Grass Yellow | <i>Eurema hecabe hecabe</i> | Common | - | ++ | | | | + | + | +++ | ++ | ++ | +++ |
| Nymphalidae | | | | | | | | | | | | | |
| Angled Castor | <i>Ariadne ariadne alterna</i> | Common | - | ++ | ++ | | ++ | + | ++ | | | | ++ |
| Rustic | <i>Cupha erymanthis erymanthis</i> | Common | - | | | | | | | | | | + |
| Peacock Pansy | <i>Junonia almana almana</i> | Common | - | | | | | | + | | | | |
| Great Eggfly | <i>Hypolimnas bolina kezia</i> | Common | - | | | | | +++ | ++ | +++ | ++ | | ++ |
| Common Sailer | <i>Neptis hylas hylas</i> | Common | - | +++ | + | | | ++ | | | | | + |
| Common Lascar | <i>Pantoporia hordonia</i> | Common | - | | | | | + | | | | | |
| Colour Sergeant | <i>Athyma nefte seitzi</i> | Common | - | | | | | | | | | | + |
| White-edged Blue Baron | <i>Euthalia phemius seitzi</i> | Common | - | | | | | | | | | | + |
| Red Ring Skirt | <i>Hestina assimilis assimilis</i> | Common | - | | | | | | | | | | + |
| Lycaenidae | | | | | | | | | | | | | |
| Purple Sapphire | <i>Heliophorus epicles phoenicoparyphus</i> | Common | - | | | | | + | | | | | + |
| Dark Cerulean | <i>Jamides bochus bochus</i> | Common | - | | | | | | | ++ | | | + |
| Cornelian | <i>Deudorix epijarbas menescicles</i> | Uncommon | - | | | | | | | | | | + |
| Pea Blue | <i>Lampides boeticus</i> | Common | - | | ++ | | | | | | | | + |
| Pale Grass Blue | <i>Zizeeria maha serica</i> | Common | - | ++ | | | | | | | ++ | | + |
| Dark Grass Blue | <i>Zizeeria karsandra karsandra</i> | Uncommon | - | ++ | | | | | | | | | + |
| Common Hedge Blue | <i>Acytrolepis puspa gisca</i> | Common | - | | | | | | ++ | + | | | + |
| Gram Blue | <i>Euchrysops cnejus cnejus</i> | Common | - | | + | | | | + | | + | | |
| Satyridae | | | | | | | | | | | | | |
| Dark-band Bush Brown | <i>Mycalesis mineus mineus</i> | Common | - | | + | | | | | | | | ++ |
| South China Bush Brown | <i>Mycalesis zonata</i> | Common | - | | | | | | | + | | | + |
| Common Five-ring | <i>Ypthima baldus baldus</i> | Common | - | + | | | | | | | + | | + |
| Danaidae | | | | | | | | | | | | | |
| Common Tiger | <i>Danaus genutia genutia</i> | Common | - | | ++ | | | ++ | + | | | ++ | ++ |
| Total Species Recorded: | | | | 9 | 9 | 1 | 2 | 16 | 10 | 8 | 10 | 3 | 33 |
| Species of Conservation Interest: | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note:

(1) Fellowes *et al.* (2002): LC=Local Concern

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

Appendix 3.4b - Fauna Recorded Within the Study Area of the Shek Kong and Kam Tin Area (TPP, SSS, PHV and TUW)

| Common Name | Scientific name | Distribution in Hong Kong | Protection Status | Level of Concern ⁽¹⁾ | Active Agriculture | Inactive Agriculture | Inactive Fishpond / Pond | Watercourse | Drainage Channel | Shrubland | Developed Area / Wasteground |
|---|--------------------------------|---------------------------|-------------------------|---------------------------------|--------------------|----------------------|--------------------------|-------------|------------------|-----------|------------------------------|
| Mammals | | | | | | | | | | | |
| Pallas's Squirrel | <i>Callosciurus erythraeus</i> | Uncommon | Cap. 170 ⁽²⁾ | - | | | | | | + | |
| Japanese Pipistrelle | <i>Pipistrellus abramus</i> | Abundant | Cap. 170 ⁽²⁾ | - | | | | # | # | | # |
| Total Species Recorded ⁽⁴⁾ : | | | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Species of Conservation Interest ⁽⁵⁾ : | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | |
|-----------------------------------|---------------------------------------|------------------|---|---|---|---|---|----|-----|---|-----|
| Reptiles | | | | | | | | | | | |
| Changeable Lizard | <i>Calotes versicolor</i> | Widely disturbed | - | - | | | | + | | | |
| Bowring's Gecko | <i>Hemidactylus bowringii</i> | Widely disturbed | - | - | | | | + | +++ | | +++ |
| Long-tailed Skink | <i>Mabuya longicaudata</i> | Widely disturbed | - | - | | | | ++ | | | |
| Chinese Skink | <i>Eumeces chinensis chinensis</i> | Widely disturbed | - | - | + | | | | | | + |
| Plumbeous Water Snake | <i>Enhydris plumbea</i> | Widely disturbed | - | - | | | + | | | | |
| Red-necked Keelback | <i>Rhabdophis subminiatus helleri</i> | Widely disturbed | - | - | | | | + | | | |
| Red-eared Slider | <i>Trachemys scripta elegans</i> | Widely disturbed | - | | | | | + | | | |
| Total Species Recorded: | | | | | 1 | 0 | 1 | 5 | 1 | 0 | 2 |
| Species of Conservation Interest: | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | |
|-----------------------------------|----------------------------------|--------------------|----------------------------|-----|----|----|----|----|----|---|-----|
| Amphibians | | | | | | | | | | | |
| Gunther's Frog | <i>Rana guentheri</i> | Widely distributed | - | - | ++ | | ++ | + | ++ | | ++ |
| Asian Common Toad | <i>Bufo melanostictus</i> | Widely distributed | - | - | + | ++ | ++ | ++ | + | | +++ |
| Asiatic Painted Frog | <i>Kaloula pulchra pulchra</i> | Widely distributed | - | - | | | ++ | + | | | |
| Butler's Pigmy Frog | <i>Microhyla butleri</i> | Widely distributed | - | - | ++ | + | ++ | | | | ++ |
| Paddy Frog | <i>Rana limnocharis</i> | Widely distributed | - | - | + | + | | | + | | |
| Brown Tree Frog | <i>Polypedates megacephalus</i> | Widely distributed | - | - | + | + | ++ | | | | |
| Ornate Pigmy Frog | <i>Microhyla ornata</i> | Widely distributed | - | - | | | | | | | |
| Chinese Bullfrog | <i>Rana rugulosa</i> | Widely distributed | Category II ⁽³⁾ | PRC | | | | | + | | |
| Spotted Narrow-mouthed Frog | <i>Kalophrynus interlineatus</i> | Widely distributed | - | - | | | | + | | | |
| Total Species Recorded: | | | | | 5 | 4 | 5 | 4 | 4 | 0 | 3 |
| Species of Conservation Interest: | | | | | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

Note:

(1) Fellowes *et al.* (2002): PRC=Potential Regional Concern.

(2) Protected under Wild Animal Protection Ordinance (Cap. 170).

(3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989). [國家重點保護野生動物名 (1989 1月14日 業局及農業部發佈施)]

(4) Species at flight were not counted in the number of total species recorded.

(5) Species at flight were not counted in the number of species of conservation interest recorded.

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

Appendix 3.4b - Fauna Recorded Within the Study Area of the Shek Kong and Kam Tin Area (TPP, SSS, PHV and TUW)

Freshwater Communities Recorded in Watercourse

| Taxa | Species / Family Name | Common Name | Relative Abundance | | |
|---------------------------|---|-------------------|--------------------|---------------|---------------|
| | | | Watercourse 1 | Watercourse 2 | Watercourse 3 |
| Lower Invertebrate | | | | | |
| Oligochaeta | | | ++++ | +++ | |
| Hirudinea | | Leeches | +++ | + | +++ |
| Snail | | | | | |
| Prosobranchia | <i>Brotia hainanensis</i> | | | | ++ |
| | <i>Pomacea lineata</i> | | ++ | ++ | |
| | <i>Radix plicatulus</i> | | | | + |
| | <i>Physella acuta</i> | | | | ++++ |
| | <i>Biomphalaria straminea</i> | | | | ++ |
| | Unidentified spp. | | +++ | | |
| Pulmonata | | | + | | |
| Crab | <i>Cryptopotamon anacoluthon</i> (Isolapotamidae) | | | + | |
| Insect | | | | | |
| Diptera (True flies) | Chironomidae | Non-biting midges | ++++ | ++++ | + |
| Ephemeroptera (Mayflies) | Baetidae | | | ++++ | ++++ |
| | Ephemerellidae | | +++ | +++ | |
| | Leptophlebiidae | | | | ++ |
| Trichoptera (Caddisflies) | <i>Anisocentropus maculatus</i> (Calamoceratidae) | | | | + |
| | Hydropsychidae | | | | ++ |
| | Philopotamidae | | | + | |
| | <i>Goerodes doligung</i> (Lepidostomatidae) | | | | ++++ |
| Heteroptera | <i>Ptilomera tigrina</i> | | | | + |
| | <i>Metrocoris</i> sp. (Gerrinae) | | | | +++ |
| Megaloptera (Fishflies) | <i>Neochauliodes boweringi</i> | | | | + |
| Odonata | | | | | |
| Zygoptera (Damselflies) | <i>Euphaea decorata</i> | | | | ++ |
| | Coenagrionidae | | | | ++ |
| Anisoptera (Dragonflies) | <i>Trithemis festiva</i> | | | | + |
| | <i>Zygonyx iris</i> | | | | + |
| Fish | | | | | |
| | <i>Gambusia affinis</i> (Poeciliidae) | Mosquito Fish | +++ | +++ | ++ |
| | <i>Poecilia reticulata</i> (Poeciliidae) | | + | | |
| | <i>Clarias fuscus</i> (Clariidae) | Chinese Catfish | ++ | | |
| Reptile | <i>Trachemys scripta elegans</i> (Emydidae) | Red-eared Slider | + | | |

Note:

(1) Locations of watercourses surveyed are shown in

Figures No. **NOL/ERL/300/C/XRL/ENS/M51/206**, **NOL/ERL/300/C/XRL/ENS/M51/207** and **NOL/ERL/300/C/XRL/ENS/M51/208**.

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

Appendix 3.4c - Fauna Recorded Within the Study Area of the Ngau Tam Mei Area (NTV)

Avifauna

| Common Name ⁽¹⁾ | Scientific Name | Distribution in HK | Level of Concern ⁽²⁾ | Protection Status in China ⁽³⁾ | Active Agriculture | Inactive Agriculture | Active Fishpond | Inactive Fishpond | Reedbed / Freshwater Marsh | Watercourse | Drainage Channel | Grassland | Secondary Woodland | Shrubland | Plantation | Developed Area / Wasteground |
|---|----------------------------------|--------------------|---------------------------------|---|--------------------|----------------------|-----------------|-------------------|----------------------------|-------------|------------------|-----------|--------------------|-----------|------------|------------------------------|
| Grey Heron ⁽⁶⁾ | <i>Ardea cinerea</i> | Common | PRC | - | | | | | | | | | + | | | |
| Little Egret ⁽⁶⁾ | <i>Egretta garzetta</i> | Common | PRC (RC) | - | | # | + | + | | | | # | | | | # |
| Cattle Egret ⁽⁶⁾ | <i>Bubulcus ibis</i> | Common | (LC) | - | | | + | | | | | | | | | |
| Black Kite ⁽⁶⁾ | <i>Milvus migrans</i> | Common | (RC) | Category II | | | | + | | | | | # | | | |
| Bonelli's Eagle | <i>Hieraetus fasciatus</i> | Rare | (RC) | Category II | | | | | | | | | # | | | |
| Common Buzzard ⁽⁶⁾ | <i>Buteo buteo</i> | Common | - | Category II | | | | | | | | | | | | # |
| White-breasted Waterhen ⁽⁶⁾ | <i>Amaurornis phoenicurus</i> | Common | - | - | | | | | + | | | + | | | | ++ |
| Green Sandpiper | <i>Tringa ochropus</i> | Uncommon | - | - | | | | | | | | | | | | |
| Common Sandpiper ⁽⁶⁾ | <i>Actitis hypoleucos</i> | Common | - | - | | | | + | | | | | | | | |
| Rock Dove | <i>Columba livia</i> | Common | - | - | | | | | | | + | | | | | + |
| Spotted Dove | <i>Streptopelia chinensis</i> | Common | - | - | | + | | + | + | | + | + | | ++ | + | + |
| Common Koel | <i>Eudynamis scolopacea</i> | Common | - | - | | | | | | | | + | | | | |
| Greater Coucal | <i>Centropus sinensis</i> | Common | - | Category II | | | | | | | | | | + | + | |
| Little Swift | <i>Apus affinis</i> | Common | - | - | | | | | | | | | | + | | |
| Common Kingfisher ⁽⁶⁾ | <i>Alcedo atthis</i> | Common | - | - | | | | | | + | | | | | | |
| Barn Swallow | <i>Hirundo rustica</i> | Common | - | - | | | | | | ++ | | | | | | ++ |
| Grey Wagtail | <i>Motacilla cinerea</i> | Common | - | - | | + | | | | | | | | | | |
| White Wagtail | <i>Motacilla alba</i> | Common | - | - | | + | | | | ++ | | | | | | + |
| Olive-backed Pipit | <i>Anthus hodgsoni</i> | Common | - | - | + | + | | | | | | | | | | |
| Red-whiskered Bulbul | <i>Pycnonotus jocosus</i> | Abundant | - | - | + | + | + | + | | ++ | | ++ | | +++ | ++ | +++ |
| Chinese Bulbul | <i>Pycnonotus sinensis</i> | Abundant | - | - | + | + | | | | | ++ | + | | ++ | + | ++ |
| Long-tailed Shrike | <i>Lanius schach</i> | Common | - | - | + | | + | | | + | | | | + | | + |
| Siberian Rubythroat | <i>Luscinia calliope</i> | Common | - | - | | | | | | | | | | + | | |
| Oriental Magpie Robin | <i>Copsychus saularis</i> | Abundant | - | - | + | + | | | | + | + | + | +++ | +++ | + | +++ |
| Common Stonechat | <i>Saxicola torquata</i> | Common | - | - | ++ | | | | | | | | | + | | + |
| Masked Laughingthrush | <i>Garrulax perspicillatus</i> | Abundant | - | - | | + | | | | ++ | ++ | ++ | | +++ | | + |
| Yellow-bellied Prinia | <i>Prinia flaviventris</i> | Common | - | - | + | + | | | | + | | ++ | | + | | + |
| Plain Prinia | <i>Prinia inornata</i> | Common | - | - | | | | | | + | + | + | | | + | |
| Common Tailorbird | <i>Orthotomus sutorius</i> | Common | - | - | | | | | | | | + | | ++ | | + |
| Dusky Warbler | <i>Phylloscopus fuscatus</i> | Common | - | - | | | | | | | | | | | | + |
| Yellow-browed Warbler | <i>Phylloscopus inornatus</i> | Common | - | - | | | | | | | | | | ++ | | |
| Great Tit | <i>Parus major</i> | Common | - | - | | | | | | | | | | | + | |
| Japanese White-eye | <i>Zosterops japonica</i> | Abundant | - | - | | ++ | | | | | | + | | ++ | | ++ |
| Little Bunting | <i>Emberiza pusilla</i> | Common | - | - | | + | | | | | | + | | | | |
| Black-faced Bunting | <i>Emberiza spodocephala</i> | Common | - | - | | | | | | | | | | + | | |
| Scaly-breasted Munia | <i>Lonchura punctulata</i> | Common | - | - | | | | + | | + | | | | + | | |
| Eurasian Tree Sparrow | <i>Passer montanus</i> | Abundant | - | - | + | + | | | | ++ | ++ | ++ | | +++ | | ++++ |
| Black-collared Starling | <i>Sturnus nigricollis</i> | Common | - | - | + | + | + | | | + | +++ | + | ++ | | | +++ |
| Common Myna | <i>Acridotheres tristis</i> | Uncommon | - | - | | | | | | | | + | | | | |
| Crested Myna | <i>Acridotheres cristatellus</i> | Common | - | - | | + | | | | ++ | +++ | +++ | ++ | | | ++ |
| Hair-crested Drongo | <i>Dicrurus hottentottus</i> | Common | - | - | | | | + | | + | | + | | + | | + |
| Common Magpie | <i>Pica pica</i> | Common | - | - | + | | | | | | + | + | | ++ | | + |
| Total Species Recorded ⁽⁴⁾ : | | | | | 10 | 13 | 5 | 7 | 3 | 12 | 10 | 18 | 4 | 19 | 6 | 20 |
| Species of Conservation Interest ⁽⁵⁾ : | | | | | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

Note:

- All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).
 - Fellowes *et al.* (2002): RC=Regional Concern; LC=Local Concern; PGC=Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
 - List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989). [發 (1989 1 14)]
 - Species at flight were not counted in the number of total species recorded.
 - Species at flight were not counted in the number of species of conservation interest recorded.
 - Wetland-dependent species.
 - # Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.
- Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant

Appendix 3.4c - Fauna Recorded Within the Study Area of the Ngau Tam Mei Area (NTV)

| Common Name | Scientific Name | Status in Hong Kong | Level of Concern ⁽¹⁾ | Active Agriculture | Inactive Agriculture | Active Fishpond | Inactive Fishpond | Reedbed / Freshwater Marsh | Watercourse | Drainage Channel | Grassland | Shrubland | Plantation | Developed Area / Wasteground |
|---------------------------------|--|---------------------|---------------------------------|--------------------|----------------------|-----------------|-------------------|----------------------------|-------------|------------------|-----------|-----------|------------|------------------------------|
| Dragonflies | | | | | | | | | | | | | | |
| Crimson Darter | <i>Crocothemis servilia servilia</i> | Abundant | - | | | | | | + | | | | | |
| Russet Percher | <i>Neurothemis fulvia</i> | Abundant | - | | | | | | | | + | | | |
| Red-faced Skimmer | <i>Orthetrum chrysis</i> | Common | - | | | | | | | | | | | + |
| Common Blue Skimmer | <i>Orthetrum glaucum</i> | Abundant | - | | | | | | | | | + | + | + |
| Common Red Skimmer | <i>Orthetrum pruinosum neglectum</i> | Abundant | - | | | | | + | ++ | | | ++ | | ++ |
| Green Skimmer | <i>Orthetrum sabina sabina</i> | Common | - | | | | | + | ++ | | + | | | |
| Wandering Glider | <i>Pantala flavescens</i> | Abundant | - | | | | | ++ | | ++++ | | + | + | ++ |
| Ruby Darter | <i>Rhodothermis rufa</i> | Common | LC | | | | | | | | | + | | |
| Orange-tailed Sprite | <i>Ceragrion auranticum ryukyuanum</i> | Abundant | - | | | | | | | | | | | + |
| Yellow Featherlegs | <i>Copera marginipes</i> | Abundant | - | | | | | | | | | | | + |
| Orange-backed Threadtail | <i>Prodasineura croconota</i> | Common | LC | | | | | | | | | + | | |

Total Species Recorded: 0 0 0 0 3 3 1 2 4 2 6
 Species of Conservation Interest: 0 0 0 0 0 0 0 0 2 0 0

| | | | | | | | | | | | | | | |
|------------------------|---|----------|----|----|----|---|---|-----|----|----|----|-----|----|-----|
| Butterflies | | | | | | | | | | | | | | |
| Hesperiidae | | | | | | | | | | | | | | |
| Chestnut Angle | <i>Odontoptilum angulatum angulatum</i> | Common | - | | | | | | | | | | + | |
| Common Dart | <i>Potanthus pseudomaesa</i> | Rare | LC | | | | | | | | | | + | |
| Papilionidae | | | | | | | | | | | | | | |
| Common Bluebottle | <i>Graphium sarpedon sarpedon</i> | Common | - | | | | | | | | | + | | |
| Tailed Jay | <i>Graphium agamemnon agamemnon</i> | Common | - | | | | | | | | | | | + |
| Common Mime | <i>Chilasa clytia clytia</i> | Common | - | | | | | | | | + | + | | |
| Red Helen | <i>Papilio helenus helenus</i> | Common | - | | | | | | | | | | | + |
| Common Mormon | <i>Papilio polytes polytes</i> | Common | - | + | | | | | ++ | | + | ++ | | ++ |
| Great Mormon | <i>Papilio memnon agenor</i> | Common | - | | | | | | + | + | | ++ | | ++ |
| Spangle | <i>Papilio protenor protenor</i> | Common | - | | | | | + | | | + | | | + |
| Paris Peacock | <i>Papilio paris paris</i> | Common | - | | | | | | | | | + | | |
| Pieridae | | | | | | | | | | | | | | |
| Indian Cabbage White | <i>Pieris canidia canidia</i> | Common | - | ++ | ++ | | | +++ | + | | | +++ | | +++ |
| Lemon Emigrant | <i>Catopsilia pomona pomona</i> | Common | - | | ++ | | | | + | + | | ++ | | |
| Common Grass Yellow | <i>Eurema hecabe hecabe</i> | Common | - | ++ | ++ | | | ++ | | ++ | | +++ | ++ | ++ |
| Nymphalidae | | | | | | | | | | | | | | |
| Angled Castor | <i>Ariadne ariadne alterna</i> | Common | - | | ++ | + | + | + | + | | ++ | | | ++ |
| Indian Red Admiral | <i>Vanessa indica indica</i> | Common | - | + | | | | | | | | | | |
| Great Eggfly | <i>Hypolimnas bolina kezia</i> | Common | - | | | | | | | | | | | +++ |
| Common Sailer | <i>Neptis hylas hylas</i> | Common | - | | | | | | | | | +++ | + | |
| Staff Sergeant | <i>Athyma selenophora leucophryne</i> | Common | - | | | | | | | | | | | + |
| Red Ring Skirt | <i>Hestina assimilis assimilis</i> | Common | - | | | | | | | | | | | + |
| Lycaenidae | | | | | | | | | | | | | | |
| Dark Cerulean | <i>Jamides bochus bochus</i> | Common | - | | | | | | | | | | | + |
| Slate Flash | <i>Rapala manea schistacea</i> | Common | - | | | | | | + | | | | | |
| Pea Blue | <i>Lampides boeticus</i> | Common | - | | | | | | | | | ++ | | |
| Pale Grass Blue | <i>Zizeeria maha serica</i> | Common | - | | + | | | | | | | | | |
| Dark Grass Blue | <i>Zizeeria karsandra karsandra</i> | Uncommon | - | | | | | | | | | | + | |
| Gram Blue | <i>Euchrysops cnejus cnejus</i> | Common | - | | | | | | | | | | + | |
| Satyridae | | | | | | | | | | | | | | |
| Dark Evening Brown | <i>Melanitis phedima muskata</i> | Common | - | | | | | | | | + | | | |
| Banded Tree Brown | <i>Lethe confusa confusa</i> | Common | - | | | | | | | | | | | + |
| South China Bush Brown | <i>Mycalesis zonata</i> | Common | - | | | | | | | | | + | | + |
| Common Five-ring | <i>Ypthima baldus baldus</i> | Common | - | | | | | | | | | | | + |
| Riodinidae | | | | | | | | | | | | | | |
| Plum Judy | <i>Abisara echerius echerius</i> | Common | - | | | | | | | | | + | | + |
| Danaidae | | | | | | | | | | | | | | |
| Common Tiger | <i>Danaus genutia genutia</i> | Common | - | + | | | | | ++ | ++ | | ++ | | ++ |

Total Species Recorded: 5 5 1 1 4 7 4 5 15 4 17
 Species of Conservation Interest: 0 0 0 0 0 0 0 0 0 1 0

(1) Fellowes *et al.* (2002): LC=Local Concern.

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

Appendix 3.4c - Fauna Recorded Within the Study Area of the Ngau Tam Mei Area (NTV)

| Common Name | Scientific name | Status in Hong Kong | Protection Status | Active Fishpond | Watercourse | Drainage Channel | Shrubland | Reedbed / Freshwater Marsh | Plantation | Developed Area / Wasteground |
|---|------------------------------------|---------------------|-------------------------|-----------------|-------------|------------------|-----------|-------------------------------|------------|---------------------------------|
| Mammal | | | | | | | | | | |
| Japanese Pipistrelle | <i>Pipistrellus abramus</i> | Abundant | Cap. 170 ⁽¹⁾ | | # | # | | # | | # |
| Total Species Recorded ⁽²⁾ : | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Species of Conservation Interest ⁽³⁾ : | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reptiles | | | | | | | | | | |
| Bowring's Gecko | <i>Hemidactylus bowringii</i> | Widely distributed | - | | + | | | | | + |
| Long-tailed Skink | <i>Mabuya longicaudata</i> | Widely distributed | - | | | | + | | | + |
| Chinese Skink | <i>Eumeces chinensis chinensis</i> | Widely distributed | - | | + | | | | | |
| Total Species Recorded : | | | | 0 | 2 | 0 | 1 | 0 | 0 | 2 |
| Species of Conservation Interest : | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Amphibians | | | | | | | | | | |
| Gunther's Frog | <i>Rana guentheri</i> | Widely distributed | - | ++++ | | | | | | |
| Asian Common Toad | <i>Bufo melanostictus</i> | Widely distributed | - | | | ++ | | | ++ | +++ |
| Asiatic Painted Frog | <i>Kaloula pulchra pulchra</i> | Widely distributed | - | | | + | + | +++ | | ++ |
| Butler's Pigmy Frog | <i>Microhyla butleri</i> | Widely distributed | - | ++ | | | | + | | |
| Paddy Frog | <i>Rana limnocharis</i> | Widely distributed | - | | | | | | | |
| Green Cascade Frog | <i>Rana livida</i> | Widely distributed | - | | | | | + | | |
| Brown Tree Frog | <i>Polypedates megacephalus</i> | Widely distributed | - | +++ | | | | + | | ++ |
| Marble Pigmy Frog | <i>Microhyla pulchra</i> | Widely distributed | - | + | | | | | + | |
| Ornate Pigmy Frog | <i>Microhyla ornata</i> | Widely distributed | - | | | | | ++ | | |
| Total Species Recorded : | | | | 4 | 0 | 2 | 1 | 5 | 2 | 3 |
| Species of Conservation Interest : | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note:

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

(2) Species at flight were not counted in the number of total species recorded.

(3) Species at flight were not counted in the number of species of conservation interest recorded.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.

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

Appendix 3.4d - Fauna Recorded Within the Study Area of the Tai Tong Area (TSW)

Avifauna

| Common Name ⁽¹⁾ | Scientific Name | Distribution in HK | Level of Concern ⁽²⁾ | Protection Status in China ⁽³⁾ | Active Fishpond | Inactive Fishpond | Watercourse | Grassland | Secondary Woodland | Shrubland | Plantation | Developed Area / Wasteground |
|---|-----------------------------------|--------------------|---------------------------------|---|-----------------|-------------------|-------------|-----------|--------------------|-----------|------------|------------------------------|
| Little Egret ⁽⁶⁾ | <i>Egretta garzetta</i> | Common | PRC (RC) | - | + | ++ | | | | | | |
| Chinese Pond Heron ⁽⁶⁾ | <i>Ardeola bacchus</i> | Common | PRC (RC) | - | | | | + | | + | | |
| Black Kite ⁽⁶⁾ | <i>Milvus migrans</i> | Common | (RC) | Category II | | | | | # | # | | # |
| White-breasted Waterhen ⁽⁶⁾ | <i>Amaurornis phoenicurus</i> | Common | - | - | + | ++ | + | + | | | | |
| Spotted Dove | <i>Streptopelia chinensis</i> | Common | - | - | | | | ++ | | + | + | ++ |
| Large Hawk Cuckoo | <i>Hierococcyx sparveriioides</i> | Common | - | - | | | | + | | | | |
| Indian Cuckoo | <i>Cuculus micropterus</i> | Uncommon | - | - | | | | + | | | | |
| Plaintive Cuckoo | <i>Cacomantis merulinus</i> | Uncommon | - | - | | | | | + | | + | |
| Common Koel | <i>Eudynamis scolopacea</i> | Common | - | - | | | | ++ | | | ++ | |
| Greater Coucal | <i>Centropus sinensis</i> | Common | - | Category II | | | | ++ | | | + | |
| Little Swift | <i>Apus affinis</i> | Common | - | - | + | + | | | | | + | |
| White-throated Kingfisher ⁽⁶⁾ | <i>Halcyon smyrnensis</i> | Common | (LC) | - | | + | | | | | | |
| Barn Swallow | <i>Hirundo rustica</i> | Common | - | - | + | + | | ++ | | | | ++ |
| Grey Wagtail | <i>Motacilla cinerea</i> | Common | - | - | | | | | | | | + |
| White Wagtail | <i>Motacilla alba</i> | Common | - | - | | | | | | | | ++ |
| Red-throated Pipit | <i>Anthus cervinus</i> | Common | LC | - | | | | + | | | | |
| Red-whiskered Bulbul | <i>Pycnonotus jocosus</i> | Abundant | - | - | ++ | + | | +++ | ++ | ++ | +++ | +++ |
| Chinese Bulbul | <i>Pycnonotus sinensis</i> | Abundant | - | - | + | + | | ++ | + | ++ | +++ | ++ |
| Long-tailed Shrike | <i>Lanius schach</i> | Common | - | - | | | + | + | | | | |
| Oriental Magpie Robin | <i>Copsychus saularis</i> | Abundant | - | - | | + | | + | | | +++ | +++ |
| Daurian Redstart | <i>Phoenicurus aureoreus</i> | Common | - | - | | | | | + | | ++ | |
| Masked Laughingthrush | <i>Garrulax perspicillatus</i> | Abundant | - | - | | + | | ++ | ++ | | ++ | ++ |
| Greater Necklaced Laughingthrush | <i>Garrulax pectoralis</i> | Common | - | - | | | | | + | | | |
| Yellow-bellied Prinia | <i>Prinia flaviventris</i> | Common | - | - | | + | | +++ | | + | ++ | + |
| Plain Prinia | <i>Prinia inornata</i> | Common | - | - | | | | + | | | | |
| Common Tailorbird | <i>Orthotomus sutorius</i> | Common | - | - | + | | | + | | | ++ | |
| Dusky Warbler | <i>Phylloscopus fuscatus</i> | Common | - | - | | | | + | | | | |
| Yellow-browed Warbler | <i>Phylloscopus inornatus</i> | Common | - | - | | | | + | | | ++ | |
| Great Tit | <i>Parus major</i> | Common | - | - | | | | + | | | ++ | |
| Japanese White-eye | <i>Zosterops japonica</i> | Abundant | - | - | | | ++ | ++ | | + | + | |
| Black-collared Starling | <i>Sturnus nigricollis</i> | Common | - | - | | | | + | | | + | ++ |
| Hair-crested Drongo | <i>Dicrurus hottentottus</i> | Common | - | - | + | | | + | | ++ | | ++ |
| Eurasian Jay | <i>Garrulus glandarius</i> | Scarce | LC | - | | | | | + | | | |
| Blue Magpie | <i>Urocissa erythrorhyncha</i> | Common | - | - | | | | + | | | + | |
| Common Magpie | <i>Pica pica</i> | Common | - | - | | | | + | + | | + | + |
| Large-billed Crow | <i>Corvus macrorhynchos</i> | Common | - | - | | | | | +, # | # | +, # | + |
| Total Species Recorded ⁽⁴⁾ : | | | | | 8 | 10 | 3 | 25 | 9 | 7 | 20 | 12 |
| Species of Conservation Interest ⁽⁵⁾ : | | | | | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 |

Note:

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

(2) Fellowes *et al.* (2002): RC=Regional Concern; LC=Local Concern; PGC=Potential Global Concern.

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

(3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989). [國家重點保護野生動物名 (1989 1月14日 業局及農業部發佈施)]

(4) Species at flight were not counted in the number of total species recorded.

(5) Species at flight were not counted in the number of species of conservation interest recorded.

(6) Wetland-dependent species.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.

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

Appendix 3.4d - Fauna Recorded Within the Study Area of the Tai Tong Area (TSW)

| Common Name | Scientific Name | Status in Hong Kong | Level of Concern ⁽¹⁾ | Inactive Fishpond | Watercourse | Grassland | Shrubland | Plantation | Developed Area / Wasteground |
|----------------------|---------------------------------------|---------------------|---------------------------------|-------------------|-------------|-----------|-----------|------------|------------------------------|
| Dragonflies | | | | | | | | | |
| Crimson Darter | <i>Crocothemis servilia servilia</i> | Abundant | -- | | | ++ | | | + |
| Blue Percher | <i>Diplacodes trivialis</i> | Abundant | - | | | + | | | |
| Pied Percher | <i>Neurothemis tullia tullia</i> | Common | - | | | + | + | | |
| Common Blue Skimmer | <i>Orthetrum glaucum</i> | Abundant | - | | | | | ++ | |
| Common Red Skimmer | <i>Orthetrum pruinosum</i> | Abundant | - | | | + | | | |
| Wandering Glider | <i>Pantala flavescens</i> | Abundant | - | + | | ++ | ++ | ++ | +++ |
| Variegated Flutterer | <i>Rhyothemis variegata arria</i> | Common | - | | | ++ | + | + | |
| Saddlebag Glider | <i>Tramea virginia</i> | Common | - | + | | + | | | |
| Crimson Dropwing | <i>Trithemis aurora</i> | Abundant | - | | | | | + | |
| Indigo Dropwing | <i>Trithemis festiva</i> | Abundant | - | | | | | + | + |
| Chinese Greenwing | <i>Neurobasis chinensis chinensis</i> | Common | - | | ++ | | | | |
| Orange-tailed Midget | <i>Agriocnemis femina oryzae</i> | Abundant | - | | + | | | | |
| Yellow Featherlegs | <i>Copera marginipes</i> | Abundant | - | | + | + | | | |

| | | | | | | |
|-----------------------------------|---|---|---|---|---|---|
| Total Species Recorded: | 2 | 3 | 8 | 3 | 5 | 3 |
| Species of Conservation Interest: | 0 | 0 | 0 | 0 | 0 | 0 |

Note:

(1) Fellowes *et al.* (2002): LC=Local Concern.

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

| Common Name | Scientific Name | Status in Hong Kong | Level of Concern ⁽¹⁾ | Inactive Fishpond | Watercourse | Grassland | Shrubland | Plantation | Developed Area / Wasteground |
|------------------------|---|---------------------|---------------------------------|-------------------|-------------|-----------|-----------|------------|------------------------------|
| Butterflies | | | | | | | | | |
| Hesperiidae | | | | | | | | | |
| Chestnut Angle | <i>Odontoptilum angulatum angulatum</i> | Common | - | | | | | + | |
| Forest Hopper | <i>Astictopterus jama chinensis</i> | Common | - | | | + | | | |
| Contiguous Swift | <i>Polytremis lubricans lubricans</i> | Common | - | | | | | ++ | |
| Pale Palm Dart | <i>Telicota colon</i> | Common | LC | | | + | | | |
| Papilionidae | | | | | | | | | |
| Common Mime | <i>Chilasa clytia clytia</i> | Common | - | | | | + | + | + |
| Red Helen | <i>Papilio helenus helenus</i> | Common | - | | | | + | ++ | |
| Common Mormon | <i>Papilio polytes polytes</i> | Common | - | | | ++ | ++ | + | |
| Great Mormon | <i>Papilio memnon agenor</i> | Common | - | | + | | ++ | + | + |
| Chinese Peacock | <i>Papilio bianor bianor</i> | Common | - | | + | | | | |
| Paris Peacock | <i>Papilio paris paris</i> | Common | - | | | | + | ++ | |
| Pieridae | | | | | | | | | |
| Red-base Jezebel | <i>Delias pasithoe pasithoe</i> | Common | - | | + | ++ | | ++ | + |
| Indian Cabbage White | <i>Pieris canidia canidia</i> | Common | - | | ++ | +++ | + | | |
| Lemon Emigrant | <i>Catopsilia pomona pomona</i> | Common | - | | | | | + | |
| Common Grass Yellow | <i>Eurema hecabe hecabe</i> | Common | - | | | | ++ | +++ | ++ |
| Amathusiidae | | | | | | | | | |
| Large Faun | <i>Faunis eumeus</i> | Common | - | | | + | ++ | | |
| Nymphalidae | | | | | | | | | |
| Angled Castor | <i>Ariadne ariadne alterna</i> | Common | - | | + | | | | |
| Blue Admiral | <i>Kaniska canace canace</i> | Common | - | | | | | | + |
| Great Eggfly | <i>Hypolimnas bolina kezia</i> | Common | - | | | | + | + | |
| Common Sailer | <i>Neptis hylas hylas</i> | Common | - | | | ++ | + | | |
| Staff Sergeant | <i>Athyma selenophora leucophryne</i> | Common | - | | | + | | | |
| White-edged Blue Baron | <i>Euthalia phemius seitzii</i> | Common | - | | | | + | | |
| Lycaenidae | | | | | | | | | |
| Slate Flash | <i>Rapala manea schistacea</i> | Common | - | | | | | + | |
| Pale Grass Blue | <i>Zizeeria maha serica</i> | Common | - | | | | | +++ | |
| Dark Grass Blue | <i>Zizeeria karsandra karsandra</i> | Uncommon | - | | | | | | + |
| Satyridae | | | | | | | | | |
| Common Evening Brown | <i>Melanitis leda leda</i> | Common | - | | | | | + | |
| Banded Tree Brown | <i>Lethe confusa confusa</i> | Common | - | | | | + | ++ | |
| Dark-band Bush Brown | <i>Mycalesis mineus mineus</i> | Common | - | | | + | + | | |
| Common Five-ring | <i>Ypthima baldus baldus</i> | Common | - | | | + | | ++ | |
| Straight Five-ring | <i>Ypthima lisandra lisandra</i> | Common | - | | | + | | + | |
| Large Eight-ring | <i>Neope muirheadii muirheadii</i> | Uncommon | - | | | | + | + | |
| Riodinidae | | | | | | | | | |
| Plum Judy | <i>Abisara echerius echerius</i> | Common | - | | | | | + | + |
| Danaidae | | | | | | | | | |
| Glassy Tiger | <i>Parantica aglea melanoides</i> | Common | - | | | | | + | |
| Common Tiger | <i>Danaus genutia genutia</i> | Common | - | | | | | + | |
| Blue-spotted Crow | <i>Euploea midamus midamus</i> | Common | - | | | ++ | | | |

Total Species Recorded: 0 5 12 14 21 7
Species of Conservation Interest: 0 0 1 0 0 0

Note:

(1) Fellowes *et al.* (2002): LC=Local Concern.

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

Appendix 3.4d - Fauna Recorded Within the Study Area of the Tai Tong Area (TSW)

| Common Name | Scientific name | Status in Hong Kong | Protection Status | Inactive Fishpond | Grassland | Plantation | Developed Area / Wasteground |
|---|------------------------------------|--------------------------|-------------------------|-------------------|-----------|------------|------------------------------|
| Mammal | | | | | | | |
| Japanese Pipistrelle | <i>Pipistrellus abramus</i> | Abundant | Cap. 170 ⁽¹⁾ | | | | # |
| Musk Shrew | <i>Suncus murinus</i> | Common | - | | + | | |
| Chinese Pangolin | <i>Manis pentadactyla auritus</i> | Rare | Cap. 170 ⁽¹⁾ | | + | | |
| Total Species Recorded ⁽²⁾ : | | | | 0 | 2 | 0 | 0 |
| Species of Conservation Interest ⁽³⁾ : | | | | 0 | 1 | 0 | 0 |
| Reptiles | | | | | | | |
| Checked Keelback | <i>Xenochrophis piscator</i> | Widely distributed | - | | | | + |
| Bowring's Gecko | <i>Hemidactylus bowringii</i> | Widely distributed | - | | | + | ++ |
| Chinese Skink | <i>Eumeces chinensis chinensis</i> | Widely distributed | - | | | | ++ |
| Long-tailed Skink | <i>Mabuya longicaudata</i> | Widely distributed | - | | + | + | + |
| Slender Skink | <i>Scincella modesta</i> | Distributed in woodlands | - | | + | | |
| Total Species Recorded : | | | | 0 | 2 | 2 | 4 |
| Species of Conservation Interest : | | | | 0 | 0 | 0 | 0 |
| Amphibians | | | | | | | |
| Gunther's Frog | <i>Rana guentheri</i> | Widely distributed | - | +++++ | | + | ++ |
| Asian Common Toad | <i>Bufo melanostictus</i> | Widely distributed | - | | ++ | +++++ | +++ |
| Spotted Narrow-mouthed | <i>Kalophrynus interlineatus</i> | Widely distributed | - | | | + | |
| Asiatic Painted Frog | <i>Kaloula pulchra pulchra</i> | Widely distributed | - | ++++ | | ++ | |
| Butler's Pigmy Frog | <i>Microhyla butleri</i> | Widely distributed | - | ++ | | | + |
| Paddy Frog | <i>Rana limnocharis</i> | Widely distributed | - | + | + | | ++ |
| Brown Tree Frog | <i>Polypedates megacephalus</i> | Widely distributed | - | +++ | | + | + |
| Marble Pigmy Frog | <i>Microhyla pulchra</i> | Widely distributed | - | ++ | | + | |
| Ornate Pigmy Frog | <i>Microhyla ornata</i> | Widely distributed | - | +++ | | + | |
| Total Species Recorded: | | | | 7 | 2 | 7 | 5 |
| Species of Conservation Interest : | | | | 0 | 0 | 0 | 0 |

Note:

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

(2) Species at flight were not counted in the number of total species recorded.

(3) Species at flight were not counted in the number of species of conservation interest recorded.

Species recorded flying overhead but not recorded utilizing the habitat; species of conservation interest at flight were not shown in habitat maps.

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

Appendix 3.4d - Fauna Recorded Within the Study Area of the Tai Tong Area (TSW)

Freshwater Communities Recorded in Watercourse

| Taxa | Species/Family Name | Common Name | Relative Abundance | |
|---------------------------|---|------------------|--------------------|---------------|
| | | | Watercourse 4 | Watercourse 5 |
| Lower Invertebrate | | | | |
| Oligochaeta | | | | ++ |
| Insect | | | | |
| Ephemeroptera (Mayflies) | Heptageniidae | | ++ | |
| | Baetidae | | | +++ |
| | Leptophlebiidae | | | ++ |
| | <i>Serratella</i> sp. (Ephemerellidae) | | | ++ |
| | <i>Ephemera spilosa</i> (Ephemeridae) | | | ++ |
| Trichoptera (Caddisflies) | <i>Anisocentropus maculatus</i> (Calamoceratidae) | | ++++ | |
| | Helicopsychidae | | + | |
| | Odontoceridae | | ++ | +++ |
| | Philopotamidae | | | ++ |
| Diptera (True Flies) | <i>Chironomus plumosus</i> (Chironomidae) | Non-biting Midge | | ++++ |
| Plecoptera (Stoneflies) | <i>Kamimuria</i> sp. (Perlidae) | | + | |
| Heteroptera | <i>Ptilomera tigrina</i> | | | + |
| | <i>Enithares</i> sp. (Naucoridae) | Backswimmer | +++ | |
| | <i>Metrocoris</i> sp. (Gerrinae) | | +++ | |
| Anisoptera (Dragonflies) | <i>Heliogomphus scorio</i> | | + | |
| | <i>Megalogomphus sommeri</i> | | | + |
| | <i>Ophiogomphus sinicus</i> | | | +++ |
| | <i>Tetracanthagyna waterhousei</i> | | + | |
| | <i>Tramea virginia</i> | | | ++ |
| | <i>Zygonyx iris</i> | | | +++ |
| Zygoptera (Damselflies) | <i>Protosticta Taipokauensis</i> | | | ++ |
| Spider | Arthropoda | | + | |
| Shrimp | <i>Caridina</i> spp. | | ++++ | + |
| Snail | | | | |
| | <i>Radix plicatulus</i> | | | +++ |
| | <i>Physella acuta</i> | | | ++++ |
| | <i>Biomphalaria straminea</i> | | | +++ |
| | <i>Melanoides tuberculata</i> | | | ++ |
| Fish | | | | |
| | <i>Rhinogobius duospilus</i> (Gobiidae) | | ++ | ++ |
| | <i>Rhinogobius giurinus</i> (Gobiidae) | Barcheek Goby | + | |
| | <i>Oreochromis niloticus</i> (Cichlidae) | | | ++++ |
| Tadpole | | | ++ | |

Note:

(1) Locations of watercourses surveyed are shown in **Figure No. NOL/ERL/300/C/XRL/ENS/M51/210**.

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