

Appendix 10.5 Presence of Mammal Species Recorded Within the Survey Area

| Item No.     | Common Name            | Scientific Name                | Chinese Name | Conservation Status <sup>1</sup>                  | Commonness <sup>2</sup>                                                                                                                                    | 500m Assessment Area |          |          |          |          |          | Habitat <sup>3</sup> |          | Project Area (Aboveground) |          |          |          |          |          |
|--------------|------------------------|--------------------------------|--------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|----------|----------|----------|----------|----------------------|----------|----------------------------|----------|----------|----------|----------|----------|
|              |                        |                                |              |                                                   |                                                                                                                                                            | MWL                  | FSW      | PL       | S/G      | WC       | RE       | AL                   | DA       | MWL                        | PL       | S/G      | WC       | DA       |          |
| 1            | Chinese Noctule        | <i>Nyctalus plancyi</i>        | 中華山蝠         | Cap.170;<br>Fellowes: PRC (RC)                    | Fairly widely distributed in countryside areas throughout Hong Kong.                                                                                       | 1                    |          |          |          |          |          |                      | 1        |                            |          |          |          |          |          |
| 2            | Japanese Pipistrelle   | <i>Pipistrellus abramus</i>    | 東亞家蝠         | Cap.170                                           | Widely distributed throughout Hong Kong.                                                                                                                   | 1                    |          |          | 1        |          |          |                      |          |                            |          |          |          |          | 1        |
| 3            | Least Pipistrelle      | <i>Pipistrellus tenuis</i>     | 小伏翼          | Cap. 170;<br>RLCV(NT)                             | Ten-something records found in Nam Chung, Sheung Wo Hang, Lin Ma Hang, Plover Cove Country Park, Yuen Long, Shek Pik, Deep Water Bay, Ho Pui and Ho Chung. |                      |          |          |          |          |          |                      | 1        |                            |          |          |          |          |          |
| 4            | Chinese Pipistrelle    | <i>Hypsugo pulveratus</i>      | 灰伏翼          | Cap.170                                           | Only several records in the countryside areas at Ting Kau, Ma On Shan and Lin Ma Hang, and several records of stray individuals inside buildings.          |                      |          |          |          |          |          |                      | 1        |                            |          |          |          |          |          |
| 5            | -                      | <i>Myotis sp.</i>              | 鼠耳蝠屬         | Cap.170                                           | -                                                                                                                                                          | 1                    |          |          |          |          |          |                      |          |                            |          |          |          |          |          |
| 6            | Unidentified Bat       | -                              | -            | Cap.170                                           | -                                                                                                                                                          | 1                    |          | 1        |          |          |          |                      |          |                            |          |          |          |          |          |
| 7            | Pallas's Squirrel      | <i>Callosciurus erythraeus</i> | 赤腹松鼠         | Cap.170                                           | Fairly widely distributed, with the styani subspecies found in the New Territories                                                                         |                      |          | 1        |          |          |          |                      |          |                            |          |          |          |          |          |
| 8            | Indochinese Forest Rat | <i>Rattus andamanensis</i>     | 印支林鼠         | -                                                 | Widely distributed in countryside areas throughout Hong Kong.                                                                                              |                      |          | 1        |          | 1        |          |                      |          |                            |          |          |          | 1        |          |
| 9            | Masked Palm Civet      | <i>Paguma larvata</i>          | 果子狸          | Cap.170<br>Cap.586<br>Fellowes: PRC<br>CITES(III) | Widely distributed in countryside areas throughout Hong Kong, except for                                                                                   | 1                    |          |          |          |          |          |                      |          |                            |          |          |          |          |          |
| 10           | Eurasian Wild Pig      | <i>Sus scrofa</i>              | 野豬           | -                                                 | Very widely distributed in countryside areas throughout Hong Kong.                                                                                         | 1                    |          |          |          |          |          |                      |          | 1                          |          |          |          |          |          |
| 11           | Red Muntjac            | <i>Muntiacus muntjak</i>       | 赤麂           | Fellowes: PRC;<br>RLCV(NT)                        | Very widely distributed in countryside areas throughout Hong Kong.                                                                                         |                      |          |          | 1        |          |          |                      |          |                            |          |          |          |          |          |
| <b>TOTAL</b> |                        |                                |              |                                                   |                                                                                                                                                            | <b>6</b>             | <b>0</b> | <b>3</b> | <b>2</b> | <b>1</b> | <b>0</b> | <b>0</b>             | <b>3</b> | <b>1</b>                   | <b>0</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>1</b> |

Notes:

1. Conservation and Protection Status:

- Cap. 170 – Protected under Wild Animals Protection Ordinance
- Fellowes – Fellowes *et al.* (2002): PRC = Potential Regional Concern, RC = 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.
- RLCV – Red List of China's Vertebrate (2016): NT = Near Threatened

2. Commonness as per AFCD database: Available at <https://bih.gov.hk/en/home/index.html>

3. Habitats: MWL = Mixed Woodland, FSW = Fung Shui Woodland, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

4. References:

- AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.
- Fellowes *et al.* 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.
- Jiang *et al.* 2016. Red List of China's Vertebrates. *Biodiversity Science*: 24 (5) 500-551.
- Wang, S. 1998. China Red Data Book of Endangered Animals: Mammalia. Science Press. Beijing. China. 417pp.

Appendix 10.6 Maximum Count of Bird Species Recorded Within the Survey Area

| Item No. | Common Name               | Scientific Name              | Chinese Name | Conservation Status <sup>1</sup>                                     | Distribution in Hong Kong <sup>2</sup>                                                              | Habitat <sup>3</sup> |     |    |     |    |                            |    |    |    |     |    |     |    |    |    |
|----------|---------------------------|------------------------------|--------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|-----|----|-----|----|----------------------------|----|----|----|-----|----|-----|----|----|----|
|          |                           |                              |              |                                                                      |                                                                                                     | 500m Assessment Area |     |    |     |    | Project Area (Aboveground) |    |    |    |     |    |     |    |    |    |
|          |                           |                              |              |                                                                      |                                                                                                     | MWL                  | FSW | PL | S/G | WC | RE                         | AL | DA | SW | MWL | PL | S/G | WC | DA |    |
| 1        | Black-crowned Night Heron | <i>Nycticorax nycticorax</i> | 夜鷺           | Fellowes: (LC)                                                       | Common resident and migrant. Widely distributed in Hong Kong.                                       |                      |     |    |     | 1  |                            |    |    | 1  |     |    |     |    |    |    |
| 2        | Great Egret               | <i>Ardea alba</i>            | 大白鷺          | Fellowes: PRC (RC)                                                   | Common resident, migrant and winter visitor. Widely distributed in Hong Kong.                       |                      |     |    |     |    |                            |    |    | 1  |     |    |     |    |    |    |
| 3        | Little Egret              | <i>Egretta garzetta</i>      | 小白鷺          | Fellowes: PRC (RC)                                                   | Common resident and widely distributed in coastal area throughout Hong Kong                         |                      |     |    |     |    |                            |    |    | 14 |     |    |     |    |    |    |
| 4        | Pacific Reef Heron        | <i>Egretta sacra</i>         | 岩鷺           | Fellowes: (LC); CSMPS (II); CRDB: Rare                               | Common resident and widely distributed in coastal areas throughout Hong Kong                        |                      |     |    |     |    |                            |    |    | 1  |     |    |     |    |    |    |
| 5        | Crested Serpent Eagle     | <i>Spilornis cheela</i>      | 蛇鵟           | Cap. 586; Fellowes: (LC); CSMPS (II); RLCV(NT); CRDB: VU; CITES (II) | Common resident. Widely distributed in shrublands on hillsides throughout Hong Kong.                |                      |     |    | 1   |    |                            |    |    |    |     |    |     |    |    |    |
| 6        | Black Kite                | <i>Milvus migrans</i>        | 黑鷲           | Cap. 586; Fellowes: (RC); CSMPS (II); CITES (II)                     | Common resident and winter visitor, widely distributed in Hong Kong                                 | 1                    |     | 1  | 9   |    |                            |    |    |    |     |    |     |    |    |    |
| 7        | Eastern Buzzard           | <i>Buteo japonicus</i>       | 普通鷲          | Cap.586; CSMPS(II); CITES(II)                                        | Common winter visitor and widely distributed in Hong Kong                                           |                      |     |    | 1   |    |                            |    |    |    |     |    |     |    |    |    |
| 8        | Common Sandpiper          | <i>Actitis hypoleucos</i>    | 磯鵞           | -                                                                    | Common passage migrant and winter visitor. Widely distributed in wetland area throughout Hong Kong. |                      |     |    |     |    |                            |    | 1  | 1  |     |    |     |    |    |    |
| 9        | Spotted Dove              | <i>Spilopelia chinensis</i>  | 珠頸斑鳩         | -                                                                    | Abundant resident. Widely distributed in Hong Kong.                                                 | 2                    | 2   | 2  |     |    |                            | 2  | 16 |    | 2   | 2  |     |    |    | 16 |

Appendix 10.6 Maximum Count of Bird Species Recorded Within the Survey Area

| Item No. | Common Name               | Scientific Name               | Chinese Name | Conservation Status <sup>1</sup>                         | Distribution in Hong Kong <sup>2</sup>                                                                 | Habitat <sup>3</sup> |     |    |     |    |    |                            |    |    |     |    |     |    |    |
|----------|---------------------------|-------------------------------|--------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------|-----|----|-----|----|----|----------------------------|----|----|-----|----|-----|----|----|
|          |                           |                               |              |                                                          |                                                                                                        | 500m Assesment Area  |     |    |     |    |    | Project Area (Aboveground) |    |    |     |    |     |    |    |
|          |                           |                               |              |                                                          |                                                                                                        | MWL                  | FSW | PL | S/G | WC | RE | AL                         | DA | SW | MWL | PL | S/G | WC | DA |
| 10       | Greater Coucal            | <i>Centropus sinensis</i>     | 褐翅鴉鵂         | CSMPS(II)                                                | Common resident. Widely distributed in Hong Kong.                                                      |                      |     |    | 1   |    |    |                            |    |    |     |    |     |    |    |
| 11       | Collared Scops Owl        | <i>Otus lettia</i>            | 領角鴞          | Cap.586; CITES(II); CSMPS(II)                            | Common resident and widely distributed in shrubland throughout Hong Kong                               |                      |     |    | 1   |    |    |                            |    |    |     |    |     |    |    |
| 12       | Brown Fish Owl            | <i>Ketupa zeylonensis</i>     | 褐漁鴞          | Cap. 586; Fellowes: RC; CSMPS (II); RLCV(EN); CITES (II) | Scarce resident. Widely distributed in Hong Kong.                                                      |                      |     |    |     |    |    |                            | 1  |    |     |    |     |    |    |
| 13       | Grey Nightjar             | <i>Caprimulgus jotaka</i>     | 普通夜鷹         | Fellowes: LC                                             | Scarce passage migrant. Widely distributed in Hong Kong.                                               | 1                    |     |    |     |    |    |                            |    |    |     |    |     |    |    |
| 14       | Savanna Nightjar          | <i>Caprimulgus affinis</i>    | 林夜鷹          | -                                                        | Uncommon resident. Widely distributed in Hong Kong.                                                    |                      |     |    | 1   |    |    |                            |    |    |     |    |     |    |    |
| 15       | House Swift               | <i>Apus nipalensis</i>        | 小白腰雨燕        | -                                                        | Abundant spring migrant and common resident. Widely distributed in Hong Kong.                          |                      |     |    | 1   |    |    |                            |    |    |     |    | 1   |    |    |
| 16       | White-throated Kingfisher | <i>Halcyon smyrnensis</i>     | 白胸翡翠         | Fellowes: (LC)                                           | Common resident. Widely distributed in coastal areas throughout Hong Kong.                             |                      |     |    | 4   |    | 2  |                            |    |    |     |    |     |    |    |
| 17       | Common Kingfisher         | <i>Alcedo atthis</i>          | 普通翠鳥         | -                                                        | Common passage migrant and winter visitor. Widely distributed in wetland habitat throughout Hong Kong. |                      |     |    |     |    |    |                            |    | 1  |     |    |     |    |    |
| 18       | Scarlet minivet           | <i>Pericrocotus speciosus</i> | 赤紅山椒鳥        | -                                                        | Common resident. Found in Tai Po Kau, the Peak, Lam Tsuen, Cape D'Aguilar Road, Shing Mun.             |                      |     |    |     |    |    |                            | 1  |    |     |    |     |    |    |

Appendix 10.6 Maximum Count of Bird Species Recorded Within the Survey Area

| Item No. | Common Name            | Scientific Name               | Chinese Name | Conservation Status <sup>1</sup> | Distribution in Hong Kong <sup>2</sup>                                                                  | Habitat <sup>3</sup> |     |    |     |    |    |    |                            |    |     |    |     |    |    |    |
|----------|------------------------|-------------------------------|--------------|----------------------------------|---------------------------------------------------------------------------------------------------------|----------------------|-----|----|-----|----|----|----|----------------------------|----|-----|----|-----|----|----|----|
|          |                        |                               |              |                                  |                                                                                                         | 500m Assessment Area |     |    |     |    |    |    | Project Area (Aboveground) |    |     |    |     |    |    |    |
|          |                        |                               |              |                                  |                                                                                                         | MWL                  | FSW | PL | S/G | WC | RE | AL | DA                         | SW | MWL | PL | S/G | WC | DA |    |
| 19       | Black Drongo           | <i>Dicrurus macrocercus</i>   | 黑卷尾          | -                                | Common autumn passage migrant and winter visitor. Widely distributed in open area throughout Hong Kong. | 3                    |     | 1  | 1   |    |    |    |                            |    |     |    |     |    |    |    |
| 20       | Red-billed Blue Magpie | <i>Urocissa erythroryncha</i> | 紅嘴藍鵲         | -                                | Common resident. Widely distributed in woodland edges through Hong Kong.                                |                      |     | 1  |     |    |    |    |                            |    |     |    | 1   |    |    |    |
| 21       | Oriental Magpie        | <i>Pica serica</i>            | 喜鵲           | -                                | Common resident. Widely distributed in Hong Kong.                                                       |                      |     | 1  |     |    |    |    |                            |    |     |    | 1   |    |    |    |
| 22       | Large-billed Crow      | <i>Corvus macrorhynchos</i>   | 大嘴烏鴉         | -                                | Common resident. Widely distributed in Hong Kong.                                                       | 3                    |     | 3  | 5   |    |    |    | 1                          |    | 3   | 3  | 5   |    |    | 1  |
| 23       | Cinereous Tit          | <i>Parus cinereus</i>         | 蒼背山雀         | -                                | Common resident. Widely distributed in Hong Kong.                                                       | 1                    | 5   |    |     |    |    |    |                            |    | 1   |    |     |    |    |    |
| 24       | Red-whiskered Bulbul   | <i>Pycnonotus jocosus</i>     | 紅耳鵲          | -                                | Abundant resident. Widely distributed in Hong Kong.                                                     | 30                   | 8   | 3  | 3   |    |    | 1  | 10                         |    | 7   | 3  | 3   |    |    | 10 |
| 25       | Chinese Bulbul         | <i>Pycnonotus sinensis</i>    | 白頭鵲          | -                                | Abundant resident. Widely distributed in Hong Kong.                                                     |                      | 9   | 4  | 1   | 1  |    |    | 7                          |    |     | 4  | 1   |    |    | 7  |
| 26       | Chestnut Bulbul        | <i>Hemixos castanonotus</i>   | 栗背短腳鵲        | -                                | Common resident and winter visitor. Widely distributed in woodland throughout Hong Kong.                |                      |     | 1  |     |    |    |    | 1                          |    |     |    |     |    |    |    |
| 27       | Yellow-browed Warbler  | <i>Phylloscopus inornatus</i> | 黃眉柳鶯         | -                                | Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.               | 1                    |     | 1  |     |    |    |    |                            |    | 1   | 1  |     |    |    |    |



Appendix 10.6 Maximum Count of Bird Species Recorded Within the Survey Area

| Item No. | Common Name             | Scientific Name                  | Chinese Name | Conservation Status <sup>1</sup> | Distribution in Hong Kong <sup>2</sup>                                                                            | Habitat <sup>3</sup> |     |    |     |    |    |                            |    |    |     |    |     |    |    |
|----------|-------------------------|----------------------------------|--------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------|-----|----|-----|----|----|----------------------------|----|----|-----|----|-----|----|----|
|          |                         |                                  |              |                                  |                                                                                                                   | 500m Assessment Area |     |    |     |    |    | Project Area (Aboveground) |    |    |     |    |     |    |    |
|          |                         |                                  |              |                                  |                                                                                                                   | MWL                  | FSW | PL | S/G | WC | RE | AL                         | DA | SW | MWL | PL | S/G | WC | DA |
| 36       | Swinhoe's White-eye     | <i>Zosterops simplex</i>         | 暗綠繡眼鳥        | -                                | Abundant resident. Widely distributed in Hong Kong.                                                               | 3                    |     | 11 |     |    |    |                            | 4  |    | 3   | 11 |     |    | 4  |
| 37       | Crested Myna            | <i>Acridotheres cristatellus</i> | 八哥           | -                                | Abundant resident. Widely distributed in Hong Kong.                                                               |                      | 2   | 3  |     |    |    |                            | 2  |    |     | 3  |     |    | 2  |
| 38       | Black-collared Starling | <i>Gracupica nigricollis</i>     | 黑領椋鳥         | -                                | Common resident. Widely distributed in Hong Kong.                                                                 | 2                    |     |    |     |    |    | 1                          | 4  |    | 2   |    |     |    | 4  |
| 39       | Oriental Magpie Robin   | <i>Copsychus saularis</i>        | 鶺鴒           | -                                | Abundant resident. Widely distributed in Hong Kong.                                                               | 3                    | 1   | 1  | 1   |    |    | 1                          | 3  |    | 3   | 1  | 1   |    | 3  |
| 40       | Asian Brown Flycatcher  | <i>Muscicapa dauurica</i>        | 北灰鶺鴒         | -                                | Common autumn passage migrant and winter visitor. Widely distributed in Hong Kong.                                | 1                    |     |    |     |    |    |                            |    |    |     |    |     |    |    |
| 41       | Siberian Blue Robin     | <i>Larvivora cyane</i>           | 藍歌鶺鴒         | Fellowes: LC                     | Scarce passage migrant. Widely distributed in woodland throughout Hong Kong.                                      |                      |     | 1  |     |    |    |                            |    |    |     | 1  |     |    |    |
| 42       | Blue Whistling Thrush   | <i>Myophonus caeruleus</i>       | 紫嘯鶺鴒         | -                                | Common resident. Widely distributed in shrubland and woodland throughout Hong Kong.                               | 2                    |     |    | 1   |    |    |                            |    |    | 2   |    | 1   |    |    |
| 43       | Daurian Redstart        | <i>Phoenicurus aureus</i>        | 北紅尾鶺鴒        | -                                | Common winter visitor. Widely distributed in Hong Kong.                                                           | 1                    |     | 1  | 1   |    |    |                            | 1  |    | 1   | 1  | 1   |    | 1  |
| 44       | Blue Rock Thrush        | <i>Monticola solitarius</i>      | 藍磯鶺鴒         | -                                | Locally common passage migrant and winter visitor. Widely distributed in hillside grassland throughout Hong Kong. |                      |     |    |     |    |    |                            | 1  |    |     |    |     |    |    |

Appendix 10.6 Maximum Count of Bird Species Recorded Within the Survey Area

| Item No.     | Common Name           | Scientific Name          | Chinese Name | Conservation Status <sup>1</sup> | Distribution in Hong Kong <sup>2</sup>                                                              | 500m Assessment Area |          |           |           |          |          | Project Area (Aboveground) |           |          |           |           |          |          |           |
|--------------|-----------------------|--------------------------|--------------|----------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|----------|-----------|-----------|----------|----------|----------------------------|-----------|----------|-----------|-----------|----------|----------|-----------|
|              |                       |                          |              |                                  |                                                                                                     | MWL                  | FSW      | PL        | S/G       | WC       | RE       | AL                         | DA        | SW       | MWL       | PL        | S/G      | WC       | DA        |
| 45           | Eurasian Tree Sparrow | <i>Passer montanus</i>   | 樹麻雀          | -                                | Abundant resident. Widely distributed in Hong Kong.                                                 | 7                    |          | 4         |           |          |          | 2                          | 42        |          | 7         | 4         |          |          | 42        |
| 46           | Grey Wagtail          | <i>Motacilla cinerea</i> | 灰鶺鴒          | -                                | Common passage migrant and winter visitor. Widely distributed in hill streams throughout Hong Kong. |                      |          |           |           | 1        |          |                            | 1         |          |           |           |          |          |           |
| 47           | White Wagtail         | <i>Motacilla alba</i>    | 白鶺鴒          | -                                | Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong.               | 1                    |          | 1         |           | 1        |          |                            | 1         |          |           | 1         |          | 1        | 1         |
| 48           | Olive-backed Pipit    | <i>Anthus hodgsoni</i>   | 樹鵲           | -                                | Common passage migrant and winter visitor. Widely distributed in Hong Kong.                         |                      |          | 4         |           |          |          |                            |           |          |           | 4         |          |          |           |
| <b>TOTAL</b> |                       |                          |              |                                  |                                                                                                     | <b>20</b>            | <b>7</b> | <b>24</b> | <b>17</b> | <b>4</b> | <b>1</b> | <b>5</b>                   | <b>20</b> | <b>6</b> | <b>15</b> | <b>18</b> | <b>8</b> | <b>1</b> | <b>14</b> |

Notes:

1. Conservation and Protection Status:

- All birds in Hong Kong are protected under Cap. 170 – Protected under Wild Animals Protection Ordinance
- Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
- Fellowes – Fellowes et al. (2002): LC = Local Concern, PRC = Potential Regional Concern, RC = 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.
- CSMPS – China State Major Protection Status: Appendix I/II
- RLCV – Red List of China’s Vertebrate (2016): NT = Near Threatened, EN: Endangered
- CRDB – China Red Data Book (1998): VU = Vulnerable
- CITES – Under Appendix (I), Appendix (II) or Appendix (III) of Convention on International Trade in Endangered Species of Wild Flora and Fauna

2. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>:

3. Habitats: MWL = Mixed Woodland, FSW = Fung Shui Woodland, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land, SW = Sea Water

4. References:

- AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.
- Fellowes et al. 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.
- Jiang et al. 2016. Red List of China’s Vertebrates. *Biodiversity Science*: 24 (5) 500-551.
- Zheng, G. M. and Wang, Q. S. (1998). *China Red Data Book of Endangered Animals: Aves*. Science Press, Beijing, pp 1-346.

Appendix 10.7 Maximum Count of Reptile Species Recorded Within Survey Area

| Item No.     | Common Name         | Scientific Name                  | Chinese Name | Conservation and Protection Status <sup>1</sup>       | Distribution in Hong Kong <sup>2</sup>                                                                                                             | 500m Assessment Area |          |          |          |          | Habitat <sup>3</sup> |          |          |                            |          |          |          |          |
|--------------|---------------------|----------------------------------|--------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|----------|----------|----------|----------------------|----------|----------|----------------------------|----------|----------|----------|----------|
|              |                     |                                  |              |                                                       |                                                                                                                                                    | MWL                  | FSW      | PL       | S/G      | WC       | RE                   | AL       | DA       | Project Area (Aboveground) |          |          |          |          |
|              |                     |                                  |              |                                                       |                                                                                                                                                    | MWL                  | PL       | S/G      | WC       | DA       | MWL                  | PL       | S/G      | WC                         | DA       |          |          |          |
| 1            | Red-eared Slider    | <i>Trachemys scripta</i>         | 巴西龜          | -                                                     | Widely distributed and commonly found in reservoirs or ponds in urban parks.                                                                       |                      |          |          |          |          | 1                    |          |          |                            |          |          |          |          |
| 2            | Changeable Lizard   | <i>Calotes versicolor</i>        | 變色樹蜥         | -                                                     | Widely distributed throughout Hong Kong.                                                                                                           |                      | 1        | 1        |          |          |                      |          |          | 1                          |          |          |          |          |
| 3            | Blue-tailed Skink   | <i>Plestiodon quadrilineatus</i> | 四綫石龍子        | -                                                     | Distributed in woodlands on Lantau Island, Hong Kong Island, Po Toi, Lung Kwu Chau.                                                                |                      |          | 1        |          |          |                      |          |          |                            |          |          |          |          |
| 4            | Indian Forest Skink | <i>Sphenomorphus indicus</i>     | 銅蜓蜥          | Fellowes: LC                                          | Distributed in woodlands in eastern and central New Territories.                                                                                   | 1                    |          |          |          |          |                      |          |          |                            |          |          |          |          |
| 5            | Chinese Gecko       | <i>Gekko chinensis</i>           | 壁虎           | -                                                     | Widely distributed throughout Hong Kong.                                                                                                           | 1                    |          | 2        |          |          |                      |          | 1        | 1                          |          |          |          |          |
| 6            | Bowring's Gecko     | <i>Hemidactylus bowringii</i>    | 原尾蜥虎         | -                                                     | Distributed throughout Hong Kong.                                                                                                                  | 5                    |          | 1        | 1        | 1        |                      | 1        | 3        | 1                          | 1        | 1        |          |          |
| 7            | Copperhead Racer    | <i>Coelognathus radiatus</i>     | 三索錦蛇         | Fellowes: PRC; RLCV(EN); CRDB: EN                     | Widely distributed throughout Hong Kong.                                                                                                           |                      |          |          |          | 1        |                      |          |          |                            |          |          |          |          |
| 8            | Common Wolf Snake   | <i>Lycodon aulicus</i>           | 白環蛇          | RLCV(NT)                                              | Widely distributed at low elevations throughout Hong Kong Island, Lantau Island and Lamma Island. Several individuals recorded in New Territories. | 1                    |          |          |          |          |                      |          |          |                            |          |          |          |          |
| 9            | Common Rat Snake    | <i>Ptyas mucosus</i>             | 滑鼠蛇          | Cap.586; Fellowes: PRC; RLCV(EN); CRDB: EN; CITES(II) | Widely distributed throughout Hong Kong.                                                                                                           |                      |          |          |          | 1        |                      |          |          |                            |          |          |          |          |
| 10           | Many-banded Krait   | <i>Bungarus multicinctus</i>     | 銀環蛇          | Fellowes: PRC; RLCV(EN); CRDB: VU                     | Common and widely distributed in Hong Kong.                                                                                                        | 1                    |          |          |          |          |                      |          |          |                            |          |          |          |          |
| <b>TOTAL</b> |                     |                                  |              |                                                       |                                                                                                                                                    | <b>5</b>             | <b>1</b> | <b>3</b> | <b>2</b> | <b>3</b> | <b>1</b>             | <b>0</b> | <b>1</b> | <b>2</b>                   | <b>2</b> | <b>2</b> | <b>0</b> | <b>1</b> |

Notes:

1. Conservation and Protection Status:

- Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
- Fellowes - Fellowes et al. (2002): 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.
- RLCV - Red List of China's Vertebrate (2016): NT = Near Threatened, EN: Endangered
- CRDB - China Red Data Book (1998): VU = Vulnerable, EN: Endangered
- CITES - Under Appendix (I), Appendix (II) or Appendix (III) of Convention on International Trade in Endangered Species of Wild Flora and Fauna

2. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

3. Habitats: MWL = Mixed Woodland, FSW = Fung Shui Woodland, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes *et al.* 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.



*Appendix 10.7 Maximum Count of Reptile Species Recorded Within Survey Area*

| Item No. | Common Name | Scientific Name | Chinese Name | Conservation and Protection Status <sup>1</sup> | Distribution in Hong Kong <sup>2</sup> | 500m Assessment Area |     |    | Habitat <sup>3</sup> |    |    | Project Area (Aboveground) |    |     |    |
|----------|-------------|-----------------|--------------|-------------------------------------------------|----------------------------------------|----------------------|-----|----|----------------------|----|----|----------------------------|----|-----|----|
|          |             |                 |              |                                                 |                                        | MWL                  | FSW | PL | S/G                  | WC | RE | AL                         | DA | MWL | PL |

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

IUCN. (2022). The IUCN Red List of Threatened Species (Version 2022-1). Accessed from <<http://www.iucnredlist.org>> in Jan 2022.

Zhao, E. 1998. China Red Data Book of Endangered Animals: Amphibia and Reptilia. Science Press, Beijing, China. 330pp.

Appendix 10.8 Relative Abundance of Amphibian Species Recorded Within Survey Area

| Item No.     | Common Name            | Scientific Name                       | Chinese Name | Conservation and Protection Status <sup>1</sup>     | Rarity in Hong Kong <sup>2</sup> | Distribution in Hong Kong <sup>3</sup>                            | Habitat <sup>4,5</sup> |          |          |          |           |                            |          |          |          |          |          |          |          |
|--------------|------------------------|---------------------------------------|--------------|-----------------------------------------------------|----------------------------------|-------------------------------------------------------------------|------------------------|----------|----------|----------|-----------|----------------------------|----------|----------|----------|----------|----------|----------|----------|
|              |                        |                                       |              |                                                     |                                  |                                                                   | 500m Assessment Area   |          |          |          |           | Project Area (Aboveground) |          |          |          |          |          |          |          |
|              |                        |                                       |              |                                                     |                                  |                                                                   | MWL                    | FSW      | PL       | S/G      | WC        | RE                         | AL       | DA       | MWL      | PL       | S/G      | WC       | DA       |
| 1            | Asian Common Toad      | <i>Duttaphrynus melanostictus</i>     | 黑眶蟾蜍         | -                                                   | Least Concern                    | Widely distributed in Hong Kong.                                  | ++                     |          | +        | +        | +         |                            |          | +        | ++       | +        | +        | +        | +        |
| 2            | Asiatic Painted Frog   | <i>Kaloula pulchra</i>                | 花狹口蛙         | -                                                   | Least Concern                    | Widely distributed in Hong Kong.                                  |                        |          |          |          | +         |                            |          |          |          |          |          |          | +        |
| 3            | Butler's Pigmy Frog    | <i>Microhyla butleri</i>              | 粗皮姬蛙         | -                                                   | Least Concern                    | Widely distributed in Hong Kong.                                  |                        |          |          |          | +         |                            |          |          |          |          |          |          |          |
| 4            | Marbled Pigmy Frog     | <i>Microhyla pulchra</i>              | 花姬蛙          | -                                                   | Least Concern                    | Widely distributed in Hong Kong.                                  |                        |          |          |          |           |                            |          | +        |          |          |          |          |          |
| 5            | Hong Kong Cascade Frog | <i>Amolops hongkongensis</i>          | 香港湍蛙         | Cap.170;<br>Fellowes: PGC;<br>RLCV(EN);<br>IUCN(EN) | Potential Concern                | Widely distributed in Hong Kong.                                  |                        |          |          |          | +         |                            |          |          |          |          |          |          |          |
| 6            | Paddy Frog             | <i>Fejervarya multistriata</i>        | 澤蛙           | -                                                   | Least Concern                    | Widely distributed in Hong Kong.                                  |                        |          |          |          | +         |                            |          | +        |          |          |          |          | +        |
| 7            | Chinese Bullfrog       | <i>Hoplobatrachus rugulosus</i>       | 虎紋蛙          | Fellowes: PRC;<br>CSMPS(II);<br>RLCV(EN)            | Potential Concern                | Widely distributed in Hong Kong.                                  |                        |          |          |          | +         |                            |          |          |          |          |          |          |          |
| 8            | Lesser Spiny Frog      | <i>Quasipaa exilispinosa</i>          | 小棘蛙          | Fellowes: PGC;<br>RLCV(VU);<br>IUCN(VU)             | Potential Concern                | Widely distributed in upland forest streams throughout Hong Kong. |                        |          |          |          | ++        |                            |          |          |          |          |          |          |          |
| 9            | Günther's Frog         | <i>Sylvirana guentheri</i>            | 沼蛙           | -                                                   | Least Concern                    | Widely distributed throughout Hong Kong.                          |                        |          |          |          | ++        |                            |          | +        |          |          |          |          | ++       |
| 10           | Brown Tree Frog        | <i>Polypedates megacephalus</i>       | 斑腿泛樹蛙        | -                                                   | Least Concern                    | Widely distributed throughout Hong Kong.                          | +                      | +        |          |          | +         |                            |          |          | +        |          |          |          | +        |
| 11           | Greenhouse Frog        | <i>Eleutherodactylus planirostris</i> | 溫室蟾          | -                                                   | -                                | Widely distributed throughout Hong Kong.                          | +                      |          | +        | ++       | ++        |                            |          |          | +        | +        | ++       | ++       |          |
| <b>TOTAL</b> |                        |                                       |              |                                                     |                                  |                                                                   | <b>3</b>               | <b>1</b> | <b>2</b> | <b>2</b> | <b>10</b> | <b>0</b>                   | <b>0</b> | <b>4</b> | <b>3</b> | <b>2</b> | <b>2</b> | <b>6</b> | <b>2</b> |

Notes:

1. Conservation and Protection Status:

- Cap. 170: Protected under Wild Animals Protection Ordinance
- Fellowes - Fellowes et al. (2002): PRC = Potential Regional 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.
- CSMPS- China State Major Protection Status: Appendix (I) or Appendix (II)
- RLCV - Red List of China's Vertebrate (2016): VU = Vulnerable, EN: Endangered
- IUCN - International Union for Conservation of Nature Red List of Threatened Species (2022). VU = Vulnerable, EN: Endangered

2. Rarity as per AFCD. 2009. The Proposed Action Plan for the Conservation of Amphibians in Hong Kong (NCSC 4/09). Annex 1.

3. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

4. Habitats: MWL = Mixed Woodland, FSW = Fung Shui Woodland, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

5. Relative abundance: +: Scarce, ++: Uncommon, +++: Common, ++++: Abundant

6. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

AFCD. 2009. The Proposed Action Plan for the Conservation of Amphibians in Hong Kong (NCSC 4/09). Annex 1. Accessed from <[http://www.epd.gov.hk/epd/textonly/english/boards/advisory\\_council/files/ncsc\\_paper04\\_2009.pdf](http://www.epd.gov.hk/epd/textonly/english/boards/advisory_council/files/ncsc_paper04_2009.pdf)> in Sep 2014

Fellowes et al. 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.

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

IUCN. (2022). The IUCN Red List of Threatened Species (Version 2022-1). Accessed from <<http://www.iucnredlist.org>> in Jan 2022.

Appendix 10.9 Maximum Count of Butterfly Species Recorded within the Survey Area

| Item No.     | Common Name              | Scientific Name            | Chinese Name | Consevation/<br>Protection Status <sup>1</sup> | Distribution in Hong<br>Kong <sup>2</sup>        | 500m Assesment Area |           |           |           |           |          | Habitat <sup>3</sup> |           |           |           |           |           |           |   |
|--------------|--------------------------|----------------------------|--------------|------------------------------------------------|--------------------------------------------------|---------------------|-----------|-----------|-----------|-----------|----------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|---|
|              |                          |                            |              |                                                |                                                  | MWL                 | FSW       | PL        | S/G       | WC        | RE       | AL                   | DA        | MWL       | PL        | S/G       | WC        | DA        |   |
| 1            | Forest Hopper            | <i>Astictopterus jama</i>  | 脛翅弄蝶         | -                                              | Common                                           | 1                   | 1         |           | 1         |           |          |                      |           |           | 1         |           | 1         |           |   |
| 2            | Formosan Swift           | <i>Borbo cinnara</i>       | 袖弄蝶          | -                                              | Common                                           | 1                   |           | 1         |           |           |          |                      |           |           |           | 1         |           |           |   |
| 3            | Chestnut Bob             | <i>Iambrix salsala</i>     | 雅弄蝶          | -                                              | Unommon                                          | 1                   | 1         |           |           |           |          |                      |           |           | 1         |           |           |           |   |
| 4            | Purple Sapphire          | <i>Heliophorus epicles</i> | 斜斑彩灰蝶        | -                                              | Common                                           |                     |           |           |           | 2         |          |                      |           |           |           |           |           | 2         |   |
| 5            | Common Hedge Blue        | <i>Acytolepis puspa</i>    | 鈕灰蝶          | -                                              | Common                                           |                     |           | 1         |           |           |          |                      |           |           |           | 1         |           |           |   |
| 6            | Lime Blue                | <i>Chilades lajus</i>      | 紫灰蝶          | -                                              | Common                                           |                     |           |           | 2         |           |          |                      |           |           |           |           |           |           |   |
| 7            | Metallic Cerulean        | <i>Jamides alecto</i>      | 素雅灰蝶         | -                                              | Very Rare                                        |                     | 1         | 1         |           |           |          |                      |           |           |           |           |           |           |   |
| 8            | Malayan                  | <i>Megisba malaya</i>      | 美姬灰蝶         | Fellowes: LC                                   | Very Rare;<br>Species of<br>Conservation Concern | 4                   |           |           |           |           |          |                      |           |           |           |           |           |           |   |
| 9            | Pale Grass Blue          | <i>Pseudozizeeria maha</i> | 酢漿灰蝶         | -                                              | Very Common                                      |                     | 1         | 2         |           | 1         |          |                      |           | 3         |           | 2         |           | 1         | 3 |
| 10           | Green Flash              | <i>Artipe eryx</i>         | 綠灰蝶          | -                                              | Uncommon                                         | 1                   |           |           |           |           |          |                      |           |           |           |           |           |           |   |
| 11           | Silver Streak Blue       | <i>Iraota timoleon</i>     | 鐵木菜異灰蝶       | -                                              | Uncommon                                         | 1                   |           |           |           |           |          |                      |           |           |           |           |           |           |   |
| 12           | Club Silverline          | <i>Spindasis syama</i>     | 豆粒銀線灰蝶       | -                                              | Uncommon                                         |                     |           |           | 1         |           |          |                      |           |           |           |           |           |           |   |
| 13           | Plum Judy                | <i>Abisara echerius</i>    | 蛇目褐蛭蝶        | -                                              | Very Common                                      |                     |           | 1         | 1         |           |          |                      |           |           |           | 1         | 1         |           |   |
| 14           | Tawny Rajah              | <i>Charaxes bernardus</i>  | 白帶螯蛭蝶        | -                                              | Common                                           | 1                   |           |           | 1         |           |          |                      |           |           | 1         |           | 1         |           |   |
| 15           | Common Tiger             | <i>Danaus genutia</i>      | 虎斑蝶          | -                                              | Common                                           |                     |           |           | 1         | 2         |          |                      | 1         | 1         |           | 1         | 1         | 2         | 1 |
| 16           | Common Indian Crow       | <i>Euploea core</i>        | 幻紫斑蝶         | -                                              | Common                                           | 1                   |           |           |           | 2         |          |                      |           |           | 1         |           | 2         |           |   |
| 17           | Blue-spotted Crow        | <i>Euploea midamus</i>     | 藍點紫斑蝶        | -                                              | Very Common                                      | 2                   | 3         | 1         | 1         | 4         |          |                      |           |           | 2         | 1         | 1         | 4         |   |
| 18           | Ceylon Blue Glassy Tiger | <i>Ideopsis similis</i>    | 擬旖斑蝶         | -                                              | Very Common                                      | 1                   |           | 1         |           |           |          |                      |           | 1         | 1         |           |           |           |   |
| 19           | Glassy Tiger             | <i>Parantica aglea</i>     | 絹斑蝶          | -                                              | Common                                           |                     |           | 1         |           |           |          |                      |           |           |           | 1         |           |           |   |
| 20           | Angled Castor            | <i>Ariadne ariadne</i>     | 波蛭蝶          | -                                              | Common                                           | 1                   |           |           | 1         |           |          |                      |           |           | 1         |           | 1         |           |   |
| 21           | Colour Sergeant          | <i>Athyma nefte</i>        | 相思帶蛭蝶        | -                                              | Common                                           |                     |           |           |           | 1         |          |                      |           |           |           |           |           |           |   |
| 22           | Staff Sergeant           | <i>Athyma selenophora</i>  | 新月帶蛭蝶        | -                                              | Common                                           |                     |           |           | 1         |           |          |                      |           |           |           |           |           |           |   |
| 23           | Rustic                   | <i>Cupha erymanthis</i>    | 黃襟蛭蝶         | -                                              | Very Common                                      | 1                   |           |           |           |           |          |                      | 2         |           | 1         |           |           |           | 2 |
| 24           | White-edged Blue Baron   | <i>Euthalia phemiis</i>    | 尖翅翠蛭蝶        | -                                              | Common                                           | 1                   |           |           |           |           |          |                      |           |           | 1         |           |           |           |   |
| 25           | Red-ring Skirt           | <i>Hestina assimilis</i>   | 黑脈蛭蝶         | -                                              | Common                                           | 1                   |           | 1         |           |           |          |                      | 1         |           | 1         | 1         |           |           | 1 |
| 26           | Great Egg-fly            | <i>Hypolimnas bolina</i>   | 幻紫斑蛭蝶        | -                                              | Common                                           | 2                   |           | 1         | 1         | 2         |          |                      | 2         |           | 2         | 1         | 1         | 2         |   |
| 27           | Danaid Egg-fly           | <i>Hypolimnas misippus</i> | 金斑蛭蝶         | Fellowes: LC                                   | Uncommon                                         |                     |           | 1         | 1         |           |          |                      |           |           |           |           |           |           |   |
| 28           | Peacock Pansy            | <i>Junonia almana</i>      | 美眼蛭蝶         | -                                              | Common                                           |                     |           | 1         |           |           |          |                      |           |           |           |           |           |           |   |
| 29           | Lemon Pansy              | <i>Junonia lemonias</i>    | 蛇眼蛭蝶         | -                                              | Common                                           |                     |           |           | 1         |           |          |                      |           |           |           |           | 1         |           |   |
| 30           | Blue Pansy               | <i>Junonia orithya</i>     | 翠藍眼蛭蝶        | -                                              | Uncommon                                         |                     |           |           | 1         |           |          |                      |           |           |           |           |           |           |   |
| 31           | Common Sailer            | <i>Neptis hylas</i>        | 中環蛭蝶         | -                                              | Very Common                                      | 1                   | 2         | 1         | 1         |           |          |                      | 1         |           | 1         | 1         | 1         |           | 1 |
| 32           | Black Prince             | <i>Rohana parisatis</i>    | 羅蛭蝶          | -                                              | Common                                           |                     |           |           | 1         | 1         |          |                      |           |           |           |           |           |           |   |
| 33           | Common Jester            | <i>Symbrenthia lilaea</i>  | 散紋盛蛭蝶        | -                                              | Common                                           | 1                   |           |           |           |           |          |                      |           |           | 1         |           |           |           |   |
| 34           | Dark Evening Brown       | <i>Melanitis phedima</i>   | 睇暮眼蝶         | -                                              | Uncommon                                         |                     |           | 2         |           |           |          |                      |           | 1         |           |           |           |           | 1 |
| 35           | Dark-brand Bush Brown    | <i>Mycalesis mineus</i>    | 小眉眼蝶         | -                                              | Very Common                                      | 1                   | 16        | 1         | 1         |           |          |                      |           |           | 1         | 1         | 1         |           |   |
| 36           | South China Bush Brown   | <i>Mycalesis zonata</i>    | 平頂眉眼蝶        | -                                              | Common                                           | 2                   |           |           | 1         |           |          |                      |           |           | 2         | 1         |           |           |   |
| 37           | Common Five-ring         | <i>Ypthima baldus</i>      | 雙眼蝶          | -                                              | Very Common                                      | 1                   |           |           | 3         | 1         |          |                      |           |           | 1         | 3         | 1         |           |   |
| 38           | Common Mime              | <i>Chilasa clytia</i>      | 斑鳳蝶          | -                                              | Common                                           | 1                   |           |           |           |           |          |                      |           |           |           |           |           |           |   |
| 39           | Tailed Jay               | <i>Graphium agamemnon</i>  | 統帥青鳳蝶        | -                                              | Common                                           | 1                   | 1         |           |           | 1         |          |                      |           | 1         | 1         |           | 1         |           | 1 |
| 40           | Common Bluebottle        | <i>Graphium sarpedon</i>   | 青鳳蝶          | -                                              | Very Common                                      |                     |           |           |           | 1         | 1        |                      |           |           | 1         |           | 1         | 1         | 1 |
| 41           | Chinese Peacock          | <i>Papilio bianor</i>      | 碧鳳蝶          | -                                              | Common                                           |                     |           |           | 1         |           |          |                      |           |           | 1         |           | 1         |           | 1 |
| 42           | Red Helen                | <i>Papilio helenus</i>     | 玉斑鳳蝶         | -                                              | Very Common                                      | 1                   |           |           | 2         | 1         |          |                      |           |           | 1         | 2         | 1         |           |   |
| 43           | Great Mormon             | <i>Papilio memnon</i>      | 美鳳蝶          | -                                              | Very Common                                      | 1                   | 5         | 1         | 1         |           |          |                      |           | 1         | 1         | 1         | 1         |           | 1 |
| 44           | Paris Peacock            | <i>Papilio paris</i>       | 巴黎翠鳳蝶        | -                                              | Very Common                                      | 1                   |           |           | 2         | 1         | 1        |                      |           |           | 1         | 2         | 1         | 1         |   |
| 45           | Common Mormon            | <i>Papilio polytes</i>     | 玉帶鳳蝶         | -                                              | Very Common                                      | 1                   | 2         | 2         | 1         | 1         |          |                      |           | 2         | 1         | 2         | 1         | 1         | 2 |
| 46           | Spangle                  | <i>Papilio protenor</i>    | 藍鳳蝶          | -                                              | Very Common                                      | 1                   |           |           | 1         | 1         |          |                      |           | 1         | 1         |           |           | 1         | 1 |
| 47           | Swallowtail              | <i>Papilio xuthus</i>      | 柑橘鳳蝶         | -                                              | Rare                                             | 1                   |           |           |           | 1         |          |                      |           |           |           |           |           |           |   |
| 48           | Lemon Emigrant           | <i>Catopsilia pomona</i>   | 遷粉蝶          | -                                              | Common                                           | 1                   |           |           | 1         | 1         |          |                      |           | 1         | 1         | 1         | 1         | 1         | 1 |
| 49           | Common Grass Yellow      | <i>Eurema hecabe</i>       | 寬邊黃粉蝶        | -                                              | Very Common                                      | 1                   | 7         | 2         | 1         | 1         |          |                      |           |           | 1         | 2         | 1         | 1         |   |
| 50           | Common Gull              | <i>Cepora nerissa</i>      | 黑脈園粉蝶        | -                                              | Common                                           |                     |           |           | 1         |           |          |                      |           |           |           |           |           |           |   |
| 51           | Great Orange Tip         | <i>Hebomoia glaucippe</i>  | 鶴頂粉蝶         | -                                              | Common                                           |                     |           |           | 1         |           |          |                      |           |           |           | 1         |           |           |   |
| 52           | Indian Cabbage White     | <i>Pieris canidia</i>      | 東方菜粉蝶        | -                                              | Very Common                                      | 1                   | 2         | 1         | 1         |           |          |                      | 6         | 1         | 1         | 1         | 1         |           | 1 |
| 53           | Small Cabbage White      | <i>Pieris rapae</i>        | 菜粉蝶          | -                                              | Rare                                             |                     |           |           |           |           |          |                      |           |           |           |           |           |           |   |
| <b>TOTAL</b> |                          |                            |              |                                                |                                                  | <b>31</b>           | <b>14</b> | <b>28</b> | <b>27</b> | <b>13</b> | <b>0</b> | <b>3</b>             | <b>15</b> | <b>25</b> | <b>24</b> | <b>21</b> | <b>11</b> | <b>14</b> |   |

Appendix 10.9 Maximum Count of Butterfly Species Recorded within the Survey Area

| Item No. | Common Name | Scientific Name | Chinese Name | Consevation/<br>Protection Status <sup>1</sup> | Distribution in Hong<br>Kong <sup>2</sup> | 500m Assesment Area |     |    |     |    |    | Habitat <sup>3</sup> |    |     | Project Area (Aboveground) |     |    |    |
|----------|-------------|-----------------|--------------|------------------------------------------------|-------------------------------------------|---------------------|-----|----|-----|----|----|----------------------|----|-----|----------------------------|-----|----|----|
|          |             |                 |              |                                                |                                           | MWL                 | FSW | PL | S/G | WC | RE | AL                   | DA | MWL | PL                         | S/G | WC | DA |

Notes:

1. Conservation and Protection Status:

a. Fellowes - Fellowes et al. (2002): LC = Local 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.

2.

Distributio

3. Habitats: MWL = Mixed Woodland, FSW = Fung Shui Woodland, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Chan, A., Cheung, J., Sze, P., Wong, A., Wong, E. and Yau, E. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12





Appendix 10.10 Maximum Count of Odonate Species Recorded within the Survey Area

| Item No.     | Common Name      | Scientific Name          | Chinese Name | Consevation/<br>Protection Status | Rarity in Hong<br>Kong <sup>1</sup> | Distribution in Hong Kong <sup>2</sup>                                                                                             | Habitat <sup>3</sup> |          |          |          |           |          |          |          | Habitat <sup>4</sup>       |          |          |           |          |
|--------------|------------------|--------------------------|--------------|-----------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|----------|----------|-----------|----------|----------|----------|----------------------------|----------|----------|-----------|----------|
|              |                  |                          |              |                                   |                                     |                                                                                                                                    | 500m Assesment Area  |          |          |          |           |          |          |          | Project Area (Aboveground) |          |          |           |          |
|              |                  |                          |              |                                   |                                     |                                                                                                                                    | MWL                  | FSW      | PL       | S/G      | WC        | RE       | AL       | DA       | MWL                        | PL       | S/G      | WC        | DA       |
| 18           | Indigo Dropwing  | <i>Trithemis festiva</i> | 慶褐蜻          | -                                 | Abundant                            | Favours sluggish sections of streams with a strong current or the small rock pools inof mountain streams. Widespread in Hong Kong. |                      |          |          |          | 1         |          |          |          |                            |          |          | 1         |          |
| 19           | Scarlet Basker   | <i>Urothemis signata</i> | 赤斑曲鈎脈蜻       | Fellowes: LC                      | Common                              | Common in areas with abandoned fish ponds throughout Hong Kong.                                                                    |                      |          |          |          |           |          |          | 1        |                            |          |          |           | 1        |
| 20           | Emerald Cascader | <i>Zygonyx iris</i>      | 彩虹蜻          | Fellowes: PGC                     | Abundant                            | Widely distributed in moderately clean, rapidly flowing forested streams throughout Hong Kong.                                     |                      |          |          |          | 2         |          |          |          |                            |          |          |           |          |
| <b>TOTAL</b> |                  |                          |              |                                   |                                     |                                                                                                                                    | <b>2</b>             | <b>4</b> | <b>4</b> | <b>6</b> | <b>14</b> | <b>3</b> | <b>0</b> | <b>4</b> | <b>2</b>                   | <b>1</b> | <b>6</b> | <b>10</b> | <b>3</b> |

Notes:

1. Rarity as per AFCD. 2014.: Available at <http://www.afcd.gov.hk/english/conservation/hkbiodiversity/database/search.asp?lang=en>.

2. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

3. Habitats: MWL = Mixed Woodland, FSW = Fung Shui Woodland, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Appendix 10.11 Presence of Freshwater Fauna Recorded within the Survey Area

| Item No.                        | Common Name                   | Scientific Name                   | Chinese Name | Conservation Status <sup>1</sup> | 500m Assessment Area |          |          |          |           |          | Habitat <sup>2/3</sup> |          | Project Area (Aboveground) |          |          |          |          |
|---------------------------------|-------------------------------|-----------------------------------|--------------|----------------------------------|----------------------|----------|----------|----------|-----------|----------|------------------------|----------|----------------------------|----------|----------|----------|----------|
|                                 |                               |                                   |              |                                  | MWL                  | FSW      | PL       | S/G      | WC        | RE       | AL                     | DA       | MWL                        | PL       | S/G      | WC       | DA       |
| <b>Freshwater Fish</b>          |                               |                                   |              |                                  |                      |          |          |          |           |          |                        |          |                            |          |          |          |          |
| 1                               | Predaceous Chub               | <i>Parazacco spilurus</i>         | 異鱧           | CRDB: VU                         |                      |          |          |          |           | +++      |                        |          |                            |          |          |          |          |
| 2                               | Oriental Weatherfish          | <i>Misgurnus anguillicaudatus</i> | 泥鰍           | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 3                               | Flat-headed Loach             | <i>Oreonectes platycephalus</i>   | 平頭嶺鰍         | -                                |                      |          |          |          |           | ++       |                        |          |                            |          |          |          |          |
| 4                               | Mosquito Fish                 | <i>Gambusia affinis</i>           | 食蚊魚          | -                                |                      |          |          |          |           | ++       |                        |          |                            |          |          |          |          |
| 5                               | Guppy                         | <i>Poecilia reticulata</i>        | 孔雀花鱗         | -                                |                      |          |          |          |           | +++      |                        |          |                            |          |          |          |          |
| 6                               | Nile Tilapia                  | <i>Oreochromis niloticus</i>      | 尼羅口孵非鯽       | -                                |                      |          |          |          |           | +++      | ++++                   |          |                            |          |          |          |          |
| 7                               | -                             | <i>Rhinogobius duospilus</i>      | 溪吻鰕虎魚        | -                                |                      |          |          |          |           | ++       |                        |          |                            |          |          |          |          |
| <b>Freshwater Invertebrates</b> |                               |                                   |              |                                  |                      |          |          |          |           |          |                        |          |                            |          |          |          |          |
| 1                               | Unidentified Skimmer (Larva)  | <i>Orthetrum sp.</i>              | 灰蜻屬 (稚蟲)     | -                                |                      |          |          |          |           | ++       |                        |          |                            |          |          | ++       |          |
| 2                               | Emerald Cascader (Larva)      | <i>Zygonyx iris</i>               | 彩虹蜻 (稚蟲)     | Fellowes: PGC                    |                      |          |          |          |           | ++       |                        |          |                            |          |          |          |          |
| 3                               | Mayfly (Ephemeroptera) Larva  | <i>Baetidae sp.</i>               | 蜉蝣幼蟲         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 4                               | Mayfly (Ephemeroptera) Larva  | <i>Leptophlebiidae sp.</i>        | 蜉蝣幼蟲         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 5                               | Backswimmer                   | <i>Enithares sp.</i>              | 仰泳蟾          | -                                |                      |          |          |          |           | +++      |                        |          |                            |          |          | +++      |          |
| 6                               | Water Strider                 | <i>Ptilomera tigrina</i>          | 水黽           | -                                |                      |          |          |          |           | +++      |                        |          |                            |          |          | +++      |          |
| 7                               | Ripple Bug                    | <i>Veliidae sp.</i>               | 寬肩蟾          | -                                |                      |          |          |          |           | ++       |                        |          |                            |          |          | ++       |          |
| 8                               | Caddisfly (Trichoptera) Larva | <i>Hydropsychidae sp.</i>         | 石蛾幼蟲         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 9                               | Caddisfly (Trichoptera) Larva | <i>Odontoceridae sp.</i>          | 石蛾幼蟲         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 10                              | Caddisfly (Trichoptera) Larva | <i>Psilotreta sp.</i>             | 石蛾幼蟲         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 11                              | Diving Beetle                 | <i>Platynectes dissimilis</i>     | 小斑短胸龍虱       | -                                |                      |          |          |          |           | ++       |                        |          |                            |          |          | ++       |          |
| 12                              | Riffle Beetle                 | <i>Elmidae sp. 1</i>              | 溪泥甲/長角泥蟲     | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 13                              | Riffle Beetle                 | <i>Elmidae sp. 2</i>              | 溪泥甲/長角泥蟲     | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 14                              | Riffle Beetle                 | <i>Elmidae sp. 3</i>              | 溪泥甲/長角泥蟲幼蟲   | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 15                              | Water Scavenger Beetle        | <i>Agraphydrus sp.</i>            | 水龜甲/牙蟲       | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 16                              | Water Scavenger Beetle        | <i>Coelostoma sp.</i>             | 水龜甲/牙蟲       | -                                |                      |          |          |          |           | +++      |                        |          |                            |          |          | +++      |          |
| 17                              | Marsh Beetle Larva            | <i>Scirtidae sp.</i>              | 沼甲幼蟲         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 18                              | Freshwater Shrimp             | <i>Caridina sp.</i>               | 米蝦屬          | -                                |                      |          |          |          |           | ++++     |                        |          |                            |          |          | ++++     |          |
| 19                              | Freshwater Prawn              | <i>Macrobrachium sp.</i>          | 沼蝦屬          | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 20                              | Freshwater Crab               | <i>Cryptopotamon anacoluthon</i>  | 鯉刺溪蟹         | Fellowes: PGC;<br>IUCN(VU)       |                      |          |          |          |           | ++       |                        |          |                            |          |          |          |          |
| 21                              | Freshwater Crab               | <i>Nanhaipotamon hongkongense</i> | 香港南海溪蟹       | Fellowes: PGC                    |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 22                              | Freshwater Crab               | <i>Somanniathelphusa zanklon</i>  | 鎌刀束腰蟹        | Fellowes: GC;<br>IUCN(EN)        |                      |          |          |          |           | ++       |                        |          |                            |          |          | ++       |          |
| 23                              | Mitten Crab                   | <i>Eriocheir japonica</i>         | 絨螯蟹          | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 24                              | Freshwater Snail              | <i>Sulcospira hainanensis</i>     | 海南溝蜆         | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| 25                              | Leech                         | <i>Hirudinea sp.</i>              | 水蛭           | -                                |                      |          |          |          |           | +        |                        |          |                            |          |          |          |          |
| <b>TOTAL</b>                    |                               |                                   |              |                                  | <b>0</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>32</b> | <b>1</b> | <b>0</b>               | <b>0</b> | <b>0</b>                   | <b>0</b> | <b>0</b> | <b>8</b> | <b>0</b> |

Notes:

1. Conservation and Protection Status:

a. Fellowes - Fellowes *et al.* (2002): PGC = Potential Global Concern, GC = 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.

b. CRDB - China Red Data Book (1998): VU = Vulnerable

c. IUCN - IUCN (2022): VU = Vulnerable

2. MWL = Mixed Woodland, FSW = Fung Shui Wood, S/G = Shrubland/Grassland, WC = Watercourse, RE = Reservoir, DA = Developed Area, PL = Plantation (Project Site), AL = Agricultural Land

3. Relative abundance: +: Scarce, ++: Uncommon, +++: Common, ++++: Abundant

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes *et al.* 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.

IUCN. (2022). The IUCN Red List of Threatened Species (Version 2022-1). Accessed from <<http://www.iucnredlist.org>> in Jan 2022.