

Appendix 8.8b – Stream Fauna Recorded during Additional Survey

Abundance of stream fauna recorded in the surveyed watercourses in PDAs and Assessment Area during additional survey from January to September 2014

| Groups | Common Name | Scientific Name | Conservation Status ² | PDAs ¹ | Assessment Area (excluding PDAs) ¹ | | | | |
|-----------------------------------|------------------------------|----------------------------------|----------------------------------|-------------------|---|-----|-----|-----|---------|
| | | | | Main Channel | 1 | 3b | 4 | 5 | Reedbed |
| Snails | Snail | <i>Radix plicatulus</i> | | | + | + | | | |
| | Snail | <i>Melanooides tuberculata</i> | | | + | | | | |
| | Snail | <i>Physella acuta</i> | | | | + | | | |
| | Apple snail | <i>Pomacea diffusa</i> | | ++++ | ++ | + | | +++ | +++ |
| | Snail | <i>Segmentina succinea</i> | | | | + | | | |
| Crabs & Shrimps | Crab | <i>Somanniathelphusa zanklon</i> | GC; EN | | | + | +++ | + | |
| | Freshwater Prawn | <i>Macrobrachium vietnamense</i> | | | + | | | | |
| | Shrimp | <i>Caridina cantonensis</i> | | | ++ | | | | |
| Insects | Yellow Featherlegs Larvae | <i>Copera marginipes</i> | | | + | | + | | |
| Fishes | Whitespotted Walking Catfish | <i>Clarias fuscus</i> | | | + | | | | |
| | Mosquito Fish | <i>Gambusia affinis</i> | | | ++++ | +++ | | | +++ |
| | Nile Tilapia | <i>Oreochromis niloticus</i> | | +++ | | ++ | | +++ | |
| | Dwarf Snakehead | <i>Channa gachua</i> | | | | | | | + |
| Number of species recorded | | | | 2 | 8 | 7 | 2 | 3 | 3 |
| | | | | 2 | 13 | | | | |

Notes:

1 – Locations of the additional watercourse survey refer to **Figure 8.3**.

2 –Status follows Fellowes *et al.* (2002) and IUCN (2017).

a. Fellowes *et al.* (2002): GC = Global Concern.

b. IUCN (2017): EN = Endangered.

Abundance: + = 1-5; ++ = 6-20; +++ = 21-50; ++++ = >50

Appendix 8.8c – Stream Fauna Recorded during Additional Survey

Abundance of stream fauna recorded in the surveyed watercourses in PDAs and Assessment Area during additional survey from September to December 2016

| Groups | Common Name | Scientific Name | Conservation Status ² | Catchment Area in PDAs ¹ | | | Catchment Area in Assessment Area (excluding PDAs) ¹ | |
|-----------------------------------|--------------------------------|----------------------------------|----------------------------------|-------------------------------------|-----------|----------|---|----------|
| | | | | 5 | 6 | 7 | Channelised Watercourse | 2 |
| Insects | Tawny Hooktail (Larva) | <i>Paragomphus capricornis</i> | RC | | + | | | |
| | Club-tailed Cruiser (Larva) | <i>Macromia urania</i> | GC | | ++ | | | |
| | Dancing Shadow-emerald (Larva) | <i>Idionyx victor</i> | LC | | + | | | |
| | Unidentified Skimmer (Larva) | <i>Orthetrum</i> sp. | - | | ++ | | | |
| | Unidentified Dropwing (Larva) | <i>Trithemis</i> sp. | - | | + | | | |
| Crabs & Shrimps | Freshwater Shrimp | <i>Caridina cantonensis</i> | - | | ++ | | | |
| | Freshwater Crab | <i>Somanniathelphusa zanklon</i> | GC; EN | | + | + | | + |
| Snails | Apple Snail | <i>Pomacea canaliculata</i> | - | | ++ | | +++ | +++ |
| Fishes | Common Carp | <i>Cyprinus carpio</i> | VU [#] | | | | + | |
| | Chinese Barb | <i>Puntius semifasciolatus</i> | - | | +++ | | | + |
| | Mosquito Fish | <i>Gambusia affinis</i> | - | | +++ | +++ | ++++ | ++ |
| | Mozambique Tilapia | <i>Oreochromis mossambicus</i> | NT [#] | | | | + | |
| | Nile Tilapia | <i>Oreochromis niloticus</i> | - | + | | | ++++ | ++ |
| | Small Snakehead | <i>Channa asiatica</i> | LC | | + | + | | |
| | Dwarf Snakehead | <i>Channa gachua</i> | - | | | | + | |
| Number of species recorded | | | | 1 | 11 | 3 | 6 | 5 |
| | | | | 12 | | | 8 | |

Notes:

1 – Locations of the surveyed catchment areas refer to **Figure 8.3**.

2 –Status follows Fellowes *et al.* (2002) and IUCN (2017).

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

b. IUCN (2017): EN = Endangered; VU = Vulnerable; NT = Near Threatened.

= the assessment is only for wild and native populations; Common Carp and Mozambique Tilapia are not considered native to Hong Kong.

Abundance: + = 1-5; ++ = 6-20; +++ = 21-50; ++++ = >50