

4. Potential Impact

4.1 Potential Habitat Loss of *Somanniathelphusa zanklon*

Two individuals of *Somanniathelphusa zanklon* were recorded within the watercourse. The watercourse will be retained in the construction design which may be disturbed during the construction phase indirectly. Therefore, the impact to the *Somanniathelphusa zanklon* is considered to be Low to Moderate.

4.2 Barrier Effect of Flight Path

4.2.1 Flight routes of the waterbird were studied and the results indicated that most of the birds flew toward the southeast area of the Subject Site and to Man Kam To. Most of the bird species were urban and common in Hong Kong. In addition, most of them were recorded flew with a short distance within or near the subject site. The proposed 20.675m height building will not be an obstacle for waterbirds or Ardeidae as only two Chinese Pond Herons were recorded to fly low, within the Subject Site. The Subject Site is not attractive to bird species and not a major flight line of Ardeidae. Therefore, the impact on the bird flight line is considered to insignificant.

4.3 Potential Impact of bird species

4.3.1 Only 11 avifauna species were recorded during the survey. Most of the species were common species and widely distributed in Hong Kong. Among of them, two species were species of conservation interest. Agricultural land was recorded adjacent to the project site, there is the same habitat for the remaining birds. The bird species were also adapted to other habitat (e.g. village area, plantation, developed area). Therefore, the impact on the remaining birds species is considered to insignificant.

5. Mitigation Measures

Capture-and-translocation of *Somanniathelphusa zanklon*

5.1 *Somanniathelphusa zanklon* were recorded within the Subject Site during the additional survey. Capture-and-translocation of *Somanniathelphusa zanklon* in these areas with sightings prior to site formation was recommended to minimize the impacts on these fauna species of conservation importance. The impact on the *Somanniathelphusa zanklon* would be reduced to insignificant after the mitigation measures.