

**LEGISLATIVE COUNCIL  
PANEL ON DEVELOPMENT**

**PWP Item No. 767CL – Planning and Engineering Study for  
Lung Kwu Tan Reclamation and the Re-planning of Tuen Mun West Area**

**Follow-up Actions Arising from the Discussion  
at the Meeting on 20 January 2020**

**In the meeting of LegCo Panel on Development held on 20 January 2020, the Administration was requested to provide concrete data and proofs about whether there would be any likely impact on Chinese White Dolphins ("CWDs") arising from the proposed Lung Kwu Tan (LKT) reclamation as evidenced in the findings of relevant past studies, including the 12-month near-shore dolphin survey conducted under the Technical Study on Reclamation at Lung Kwu Tan; as well as the findings of other past studies on the impact of other reclamation projects (including the implementation of the Three-Runway System) on CWDs in Hong Kong waters. The Administration was requested to disclose the full reports of these studies where possible.**

**The Administration's response:**

As revealed from the findings of relevant studies<sup>1</sup>, the potential impacts on CWDs arising from the proposed LKT reclamation are not insurmountable.

**CEDD's Technical Study**

2. The Civil Engineering and Development Department (CEDD) has completed a Technical Study on Reclamation at LKT (Technical Study), which covered a 12-month (from February 2016 to February 2017) near-shore dolphin survey and preliminary assessment on the impact on CWDs. Details of the survey and mitigation measures are available in the Final Report of the Technical Study. Appended below are the key findings of the Technical Study relevant to CWDs for easy reference:

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<sup>1</sup> The past relevant studies include the Technical Study on Reclamation at LKT by CEDD, the Monitoring of Marine Mammals in Hong Kong Waters by the Agriculture, Fisheries and Conservation Department and the Environmental Impact Assessment Reports of reclamation projects in the western waters of Hong Kong by various parties.

- (a) CWDs were observed mostly at the Urmston Road and the Sha Chau and Lung Kwu Chau Marine Park. The potential reclamation extent is proposed to avoid encroaching upon the habitat of CWDs;
- (b) Given LKT reclamation is at a reasonable distance from the nearby marine park<sup>2</sup> (at about 2km), the direct impact on the marine park is expected to be insignificant;
- (c) The major impacts on CWDs from LKT reclamation could be the likely disturbance to CWDs' use of the historical habitat at Sha Chau and Lung Kwu Chau Marine Park and Urmston Road areas, primarily during the construction phase. Stringent protection and mitigation measures (e.g. reducing construction noise, avoiding underwater construction during the peak calving seasons of CWDs as far as possible, etc.) would need to be developed to avoid and/or minimise the possible impacts on CWDs. The commuting frequency, routes and speed of construction vessels will need to be prudently planned to avoid / minimise usage of the hotspots of CWDs in or around the Urmston Road to avoid physical impacts on CWDs; and
- (d) The fisheries production within LKT reclamation area appears to be low, as indicated by the fisheries survey, and therefore the impact on prey resources of CWDs is not expected to be significant.

The Executive Summary (Bilingual) and Final Report (English only) of the Technical Study are available in the following website:

<https://www.cedd.gov.hk/eng/our-projects/project-reports/index-id-4.html>

### AFCD's Monitoring Report

3. The Agriculture, Fisheries and Conservation Department (AFCD) conducted a dolphin survey for the period from April 2018 to March 2019, which has mapped the distribution of sightings of CWDs in Hong Kong waters during the survey. The survey revealed that no CWDs were observed within the potential extent of LKT reclamation. In Northwest Lantau waters, CWDs were observed mostly at the Urmston Road and the Sha Chau and Lung Kwu Chau Marine Park. This is consistent with the findings of the Technical Study conducted by CEDD. The reports of Monitoring of Marine Mammals in

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<sup>2</sup> Sha Chau and Lung Kwu Chau Marine Park

Hong Kong Waters are available in the following website:

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[https://www.afcd.gov.hk/English/conservation/con\\_mar/con\\_mar\\_chi/con\\_mar\\_chi\\_chi/con\\_mar\\_chi\\_chi.html](https://www.afcd.gov.hk/English/conservation/con_mar/con_mar_chi/con_mar_chi_chi/con_mar_chi_chi.html)

#### EIA Reports by Various Parties

4. Environmental Impact Assessment (EIA) Reports for the following reclamation projects in the western waters of Hong Kong have covered studies on implication to CWDs:

- *Expansion of Hong Kong International Airport into a Three-Runway System*
- *Hong Kong–Zhuhai–Macau Bridge (HZMB) Hong Kong Boundary Crossing Facilities*
- *HZMB Hong Kong Link Road*
- *Tung Chung New Town Extension*
- *Tuen Mun-Chek Lap Kok Link*

These studies generally concluded that with the implementation of the relevant mitigation measures, the impacts on CWDs would be acceptable/ not significant. These EIA Reports are available in the following websites:

<https://www.epd.gov.hk/eia/english/register/aeiara/tmd.html>  
<https://www.epd.gov.hk/eia/english/register/aeiara/island.html>

#### Statutory EIA for LKT

5. The actual extent of LKT reclamation will be determined under the proposed Planning and Engineering Study for Lung Kwu Tan Reclamation and the re-planning of Tuen Mun West Area (P&E Study). Potential impacts on CWDs, if any, will be further assessed as part of the statutory Environmental Impact Assessment under the proposed P&E Study to make sure the impacts on CWDs are acceptable. The Administration will observe the conditions specified in the Environment Permits and implement such accordingly.

**Development Bureau**  
**Civil Engineering Development Department**

**May 2020**