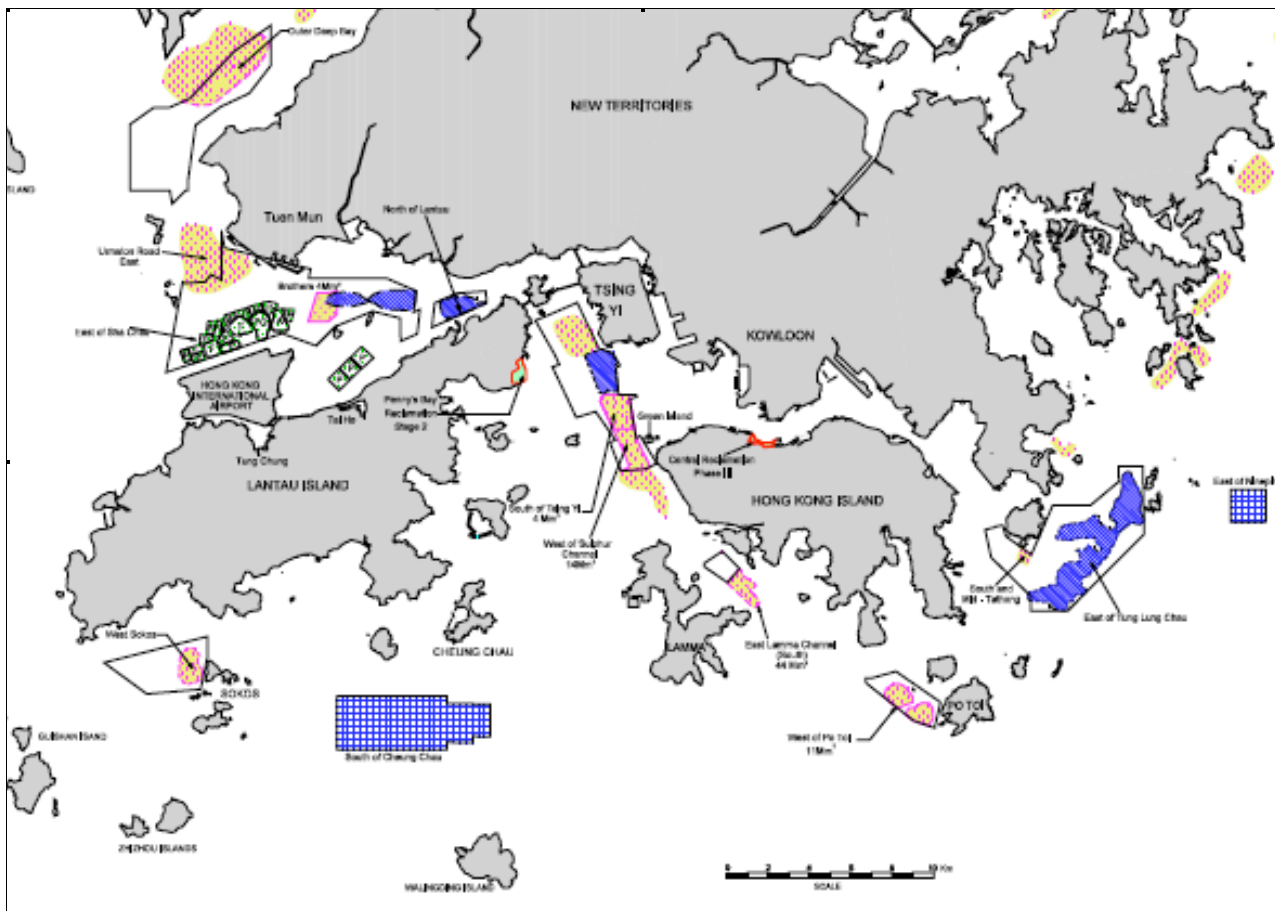


“Fill Management Study, Phase II”, Dredging study and advise on marine borrow areas



From 1990 up to 1995 DEMAS assessed the dredgeability of Marine Fill Resources for the reclamation of vast areas in Hong Kong and assisted the Fill Management Division (FMD) of the Geotechnical Engineering Office (GEO) of the Civil Engineering Department (CED) of the Hong Kong Government. DEMAS assisted in the supervision of a large scale bore campaign in the Eastern Waters of Hong Kong. The DEMAS team worked in close co-operation with the geologists of the GEO to provide the results of the site investigation and to assess the dredgeability of the Marine Borrow Area (MBA). The environmental impact of dredging was an important issue whilst allocating new borrow areas for marine fill.

A major site investigation was carried out in Chinese waters east of Wailingding and Sanmen Islands and west of Tuoning by CED. Sand reserve assessments were carried out to establish future potential supplies for several major new reclamation projects currently under consideration in Hong Kong where vast quantities of suitable marine fill materials are still required.

DEMAS provided the dredging process input for the Environmental Impact Assessment for a number of marine borrow areas. Plume Tests were executed for the GEO to quantify the overflow of trailing suction hopper dredgers during the exploitation of MBA's and to monitor the dispersion of the plume resulting from the suspended solids entering the water through the overflow.

Client

Hong Kong Government

Location

Hong Kong

Year

1990 - 1995

Services

- dredge assessments
- project assistance
- Environmental Impact Assessment

demas
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