

Dredging study related to sand extraction and mud disposal

After an international competitive tender DEMAS were awarded a follow-on contract to provide expert advice on dredging and related matters to the Fill Management Division. Sand reserve assessments of sand resources in Chinese waters were carried out to establish future potential supplies for several major new reclamation projects currently under consideration in Hong Kong. The environmental impact of dredging continues to be an important issue especially in the consideration of future development of marine borrow areas. DEMAS continued to provide the dredging process input for the Environmental Impact Assessment required for the modelling associated with the proposed Eastern Waters Marine Borrow Areas.

The third in a series of plume monitoring test was executed during trailing suction hopper dredge works at South Tsing Yi. Results support earlier findings which suggest that the decay of the plume is much more rapidly than visual observation would suggest.

With the global increase in concern over the environmental effects of disposal at sea of dredged material the Civil Engineering Department instructed DEMAS as part of its contract CE 93/95 to carry out a study into its management of the two open sea disposal sites. The study included an examination of current legislation, allocation / licensing conditions, controls and management for open sea disposal of uncontaminated dredged material both in Hong Kong and representative selective other countries.

Client

Hong Kong Government,
Civil Engineering Department

Location

Hong Kong

Year

1996 - 1997

Services

- dredge assessments
- management disposal sites
- project assistance

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