

“Where will our knowledge take you?”

Specialist Dredging Services

Dredging Studies and Assessments



“ BMT JFA’s dredging studies consider all aspects of the required works, ranging from the ground conditions and the prevailing metocean climate through to the selection of suitable plant in order to assess the optimal approach for the completion of each individual project. ”



The execution of dredging activities is a key component of most port developments and represents an area of considerable technical and commercial risk for project proponents. BMT JFA is able to utilise extensive in-house experience (including specialised modelling software and databases) and technical expertise, in order to complete detailed dredging studies and assessments which thoroughly address the anticipated project requirements and risks.

This work ultimately results in the development of comprehensive and reliable project execution methodologies and associated cost estimates.

Key Capabilities

- Capital and maintenance dredging works
- Dredging feasibility studies (initial concept level to bankable)
- Assessment of the ‘dredgeability’ geotechnical conditions.

Related Projects

- Oakajee Port Development
- Albany Port Expansion Project
- Esperance Port Development
- MBA Delta Dredging (Fiji).

Services Offered

- Review and assessment of relevant site data to determine project requirements and constraints
- Identification of likely project constraints including anticipated environmental conditions
- Assessment of geotechnical/geophysical data to assess dredgeability
- Assessment of dredge material disposal options including offshore disposal and/or reclamation studies
- Selection of appropriate dredging equipment
- Assessment of site conditions and associated implications for efficiency/effectiveness of dredging equipment
- Determination of appropriate project execution methodology
- Assessment of ‘constructability’ requirements and the optimised staging of works
- Preparation of detailed ‘internal’ cost estimates based on in-house experience and CIRIA guidelines
- Management of contractor requests for cost estimates
- Validation and review of dredge production rates and workability limits
- Tender preparation and evaluation where appropriate.

