

Southdown Joint Venture Definitive Feasibility Study

Southdown Joint Venture / Grange Resources



“ BMT JFA were engaged by the Southdown Joint Venture to undertake a Definitive Feasibility Study involving design and cost estimates for a major upgrade to the Port of Albany and adjacent 10km navigation channel. ”

The Port of Albany is located in the south west of Western Australia at the entrance of Princess Royal Harbour into King George Sound. The Southdown Project comprises two related proposals: the Southdown Magnetite Project by Grange Resources Limited and Sojitz Corporation which make up Southdown Joint Venture (SDJV), and the Albany Port Expansion Proposal by the Albany Port Authority (APA). The project is wholly referred to as the Southdown Magnetite Project.

The project includes the development of a new wharf facility to accommodate Cape size ships, new reclamation area enclosed by seawalls for the new processing and storage facilities as well as a deeper and wider channel, berthing and basin areas to accommodate the larger vessels at the port.

Having been involved on the project since 2004 as well as providing peer review input through the previous PFS phase, BMT JFA were appointed by SDJV to undertake a Definitive Feasibility Study (DFS) for the

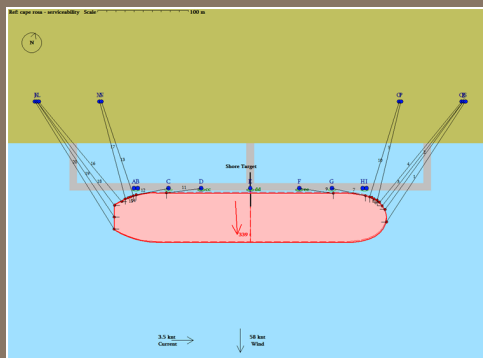
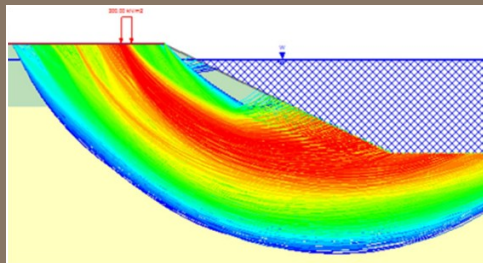
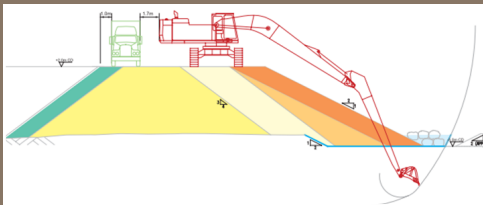
marine works aspects of the project.

BMT JFA Role

- Development of overall DFS report for the marine works, including detailed cost and program estimates
- Managing all supplier Request for Proposal (RFP) and contractor Request for Cost Estimate (RFCE) processes to develop detailed and robust designs and project estimates
- Overseeing the design development of all technical aspects of the project, including: seawalls, dredging/ reclamation, ground improvements, dredging/ disposal and wharf structures
- Channel design development, including: underkeel clearance (UKC) studies, wave monitoring, sedimentation and pilotage simulation studies
- Planning and development of construction methodologies for the marine works.

Services & Expertise Provided

- Seawall design development
- Wharf design development
- Reclamation investigation and ground improvement design development
- Overseeing of underkeel clearance (UKC) studies
- Sedimentation assessments, wave modelling and channel design studies
- Process and systems simulation modelling.



Location

Albany, Western Australia

Date

2010 - 2011