

## Bandy Creak Boat Harbour Breakwater Repair

Department of Transport



**“ BMT JFA undertook all planning, procurement and on-site supervision of the repair of a rock breakwater which was completed to a high standard and within the available budget. ”**

Since construction of the breakwaters and groynes at the Bandy Creek Boat Harbour in 1982/83, localised damage occurred to various parts of the structures. In particular, a 45 m extension of the Western Breakwater (constructed in 1989) had suffered considerable damage.

The Department of Transport sought to reinstate the Western Breakwater to a serviceable condition within a fixed budget and, with any remaining money, carry out some repairs to the No.1 West Spur Groyne and the Eastern Breakwater.

Suitable core and armour was sourced from the nearby Australasian Quarry and transported to the harbour and then placed using trucks and excavator.

BMT JFA designed a project execution strategy and close on-site supervision of this strategy saw the repairs affected to a high standard within the available budget.

### BMT JFA Role

- Composition of a breakwater condition report summary
- Volume calculations associated with the proposed repair work and extension
- Cost estimates for proposed repair work and extension
- Full project management services, including investigations, preparation of project execution strategy, and preparation of project approval documents
- Preparation of tender documents (including drawings) and input into tender evaluation
- Contract management and contract closeout tasks
- Daily site supervision and direction of the works on site.

### Services & Expertise Provided

- Condition monitoring and asset management
- Breakwater design
- Construction management
- Quarry investigation
- Commercial contract procurement and management.



### Location

Esperance, Western Australia

### Date

2004 - 2005