

Dampier Service Wharf Condition Report

Rio Tinto



“ A review of the Dampier Service Wharf was conducted to scope investigations of the structure condition to continue its usable service in the short term and the feasibility of extending its use and the likely repair requirements. ”

JFA identified that implementing an upgrade was not feasible given the extent of the required repairs and the required disruption.

A strategy of monitored management of berthing and other loads was developed with the PIT to transition to development of a new service facility on an adjacent wharf.



The service wharf was originally built as a temporary structure to facilitate the landing of materials during construction of the Hamersley Iron facility at Parker Point post 1965 and has therefore been in service over 40 years albeit at a reduced loading than originally required for construction.

BMT JFA Role

- Site visits, Stakeholder consultation and Client briefing
- Review of available information
- Review of previous condition and repair history reporting
- Initial structural system review
- Budget costing of investigations
- Preparation of report.



A review of the Dampier Service Wharf was conducted to scope investigations of the structure condition to continue its usable service in the short term and the feasibility of extending its use and the likely repair requirements. The wharf has a significant history of repair and investigations since its construction approximately 45 years ago.

Services & Expertise Provided

- Condition monitoring and asset management
- Mooring & berth operability studies
- Jetty and wharf design.

Location

Dampier, Western Australia

Date

2009

Review of the available condition reporting and repair scoping inspections indicated that the wharf was at the end of its economical life due to the expense of repairs to bring it back to a standard suitable for ongoing use in the medium term.

In consultation with RTIO Project Implementation Team (PIT) BMT