



AUGUSTA BOAT HARBOUR BREAKWATERS

Scope: Design and Project Management of a public boat launching facility, a land backed surface wharf, forty boat pens, land development lots and parking. In particular Seashore provided technical advice and regular site inspections and quality control during the construction phase of the Augusta Boat Harbour.

Challenges: Seashore Engineering provided timely solutions for the Department of Transport to a number of challenges on this project. Estimation of quantities of available quarry rock based on geotechnical and topographical information, as well as tracking quality and quantity of the quarrying and breakwater construction progress required accurate and practical engineering solutions. Developing methodology for the construction of the parapet on the southern breakwater with limited manoeuvrability for machinery presented unique challenges to the project design and construction management phases.

Outcome: The project involved the onsite quarrying, sorting and placement of in the order of 500,000T of granite rock for the southern and northern breakwaters and harbour revetment over a 9 month period. The facility was opened in November 2014 and the construction works were completed by a Joint Venture between Italia Stone Group and WA Limestone. The Augusta Boat Harbour is well received by the local community and now provides a safe haven for vessels in the south west corner of Western Australia.

CASE STUDY 4

Disciplines

Construction Management

CLIENTS

Department of Transport