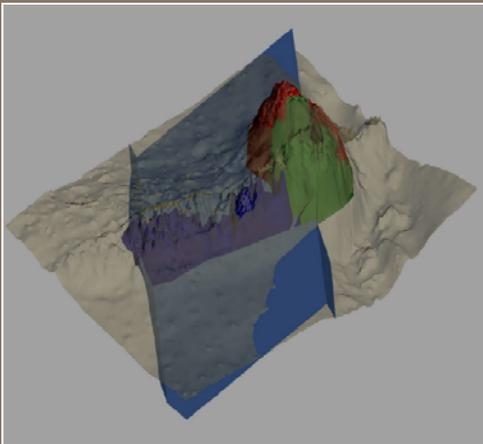


“Where will our knowledge take you?”

## Specialist Dredging Advice Ichthys LNG

JKC Joint Venture (for INPEX Browse Ltd)



### Location

Blaydin Point, Northern Territory

### Date

2010 - 2011

“ BMT JFA were engaged by JKC Joint Venture (JKC) on behalf of INPEX to provide a range of specialist dredging consultancy services during the front-end engineering design (FEED) and open book tender (OBT) phases of the project. ”

INPEX Corporation (INPEX) are the proponent behind plans to export LNG, LPG and condensate from onshore facilities at Blaydin Point as part of the Ichthys LNG project. In order to accommodate the required export facilities, it was necessary to dredge a channel and turning basin which involved the removal and transport of up to 17Mm<sup>3</sup> to an offshore disposal site.

The dredge material consisted of unconsolidated sediments, however a significant volume of potentially high strength rock is also located in the dredge area, at a site known as Walker Shoal.

BMT JFA were engaged by JKC Joint Venture (JKC) on behalf of INPEX to provide a range of specialist dredging consultancy services during the front-end engineering design (FEED) and open book tender (OBT) phases of the project. Initially, BMT JFA's role was focused on the provision of specialist advice regarding the suitability of various

methodologies for the removal of hard rock at Walker Shoal.

Aside from the technical dredging assessment, this role also included the review of the levels of underwater noise generated by the different dredging methods.

Following this, BMT JFA provided assistance to JKC in the preparation of the dredging request for tender package. BMT JFA prepared both the dredging specification and scope of work as well as providing input into the development of the contracting strategy and schedule of rates.

### BMT JFA Role

- Review of geological data to determine appropriate dredging methodologies
- Preparation of an alternative options report outlining methods for the dredging of high strength rock, including a discussion of the potential environmental impacts associated with each method as well as production and budget estimates
- Development of documentation required for the tendering process including the specification and scope of works.

### Services & Expertise Provided

- Review of geological data
- Review of dredging methodologies
- Assistance developing tender and scope of works documentation.