

Marandoo Dewatering Pipeline

Construction - Infrastructure

Project

Installation and Commissioning of Dewatering System

Client/EPCM

Rio Tinto Iron Ore / Lycopodium

Value

\$38.2 million

Description

The Marandoo Mine Phase 2 Project (MMP2) is part of Rio Tinto's iron ore mine expansion.

Project works included:

- Dewatering bore field – includes 27 bore pumps, risers, headwork's and supporting construction i.e. earthworks and pads
- Dewatering bore field pipeline – includes installation of 9,580 DN1000 MSCL manifold pipeline and associated construction i.e. trenching, bedding, backfill and ancillary civil works
- Transfer pump station and tank – includes design and construction of 2.5ML transfer tank and associated mechanical works and associated construction i.e. earthworks and concrete supporting infrastructure
- Transfer pipe line- includes installation of 23,580m DN1000 MSCL pipeline and associated construction i.e. trenching, bedding, backfill and ancillary civil works including tunnelling beneath rail and road crossings
- Booster pump station – Installation of pumps, valves and pipe work and associated construction i.e. earthworks and concrete supporting infrastructure
- Southern Fortescue bore field – Installation of headwork's for new bore, modification of existing bore headwork's, removal and reinstatement of existing pumps.

Location

Marandoo is located approximately 45km east of Tom Price in the Pilbara region of Western Australia.



"...getting it right and on time"