

# Area C



Location	120km northwest of Newman, Pilbara region, WA
Client	Goldsworthy joint venture: BHP Billiton Minerals Pty Ltd, Itochu Minerals & Energy of Australia Pty Ltd and Mitsui Iron Ore Corporation Pty Ltd
Commodity	Iron ore
Contract duration	June 2003 to June 2010
Major contractor since	2003



A long time partner of BHP Billiton Iron Ore, HWE Mining operates at three of its six world class iron ore operations in Western Australia's Pilbara region, including the Area C operation.

The mine is located 37 kilometres from the Yandi mine and existing railway system that links Yandi and BHP Billiton's Newman mines to iron ore processing, stockpiling and shiploading facilities at Port Hedland.

As one of BHP Billiton's most productive iron ore operations in Australia, HWE Mining now handles over 45+ million tonnes of iron ore per year at Area C following a major expansion of the mine in 2007/08.

HWE Mining provides a complete mining service at Area C including drilling and blasting, loading and hauling, processing, train loading, infrastructure management, maintenance and other related services. We use the full range of surface mining plant and equipment at the mine.

Area C operates 24 hours a day, 365 days a year. HWE Mining employs approximately 650 people.

## Production at a glance

- 45+ bcm mined per year
- 45+ mtpa of iron ore processed per year



## Scope of work

### Project management

- Provision of registered Mine Manager and other statutory positions
- Management of:
  - Safety and health
  - Environment, community and Indigenous affairs
  - Plant and procurement
  - Human resources and industrial relations
  - Accommodation and flights
- Drilling and blasting design
- Process plant upgrades

### Mining

- Surveying and set out
- Clearing and grubbing
- Topsoil removal
- Design of processing infrastructure
- Operation and maintenance of:
  - Earthworks infrastructure: dams, roads, drains, stockpile pads and hardstands
  - Structural infrastructure: workshops, offices and fuel facilities
  - Services infrastructure: power, water and communications
- Drilling and blasting
- Ore quality sampling and control
- Loading, hauling and dumping waste, ore and ore stockpiles
- De-watering
- Ground support installation including rock bolting, water relief and batter finishing

### Processing

- Operation of ore processing plants, train load-outs and infrastructure
- Maintenance of:
  - Wear parts, conveyor belts and liners
  - Structural components and major equipment including primary crushers, tertiary crushers and screens
- Capital replacement and continuous improvement
- Maintenance of Citec and PLC control systems

### Rehabilitation

- Dump profiling
- Selective capping placement
- Topsoil placement
- Contouring

EQUIPMENT	
Caterpillar 785C dump trucks	5
Caterpillar 789A/B/C dump trucks	29
Caterpillar 793D dump trucks	6
Liebherr R996 excavator	1
Terex RH120 excavator	1
Terex RH170 hydraulic excavator	1
Hitachi EX2500 excavators	3
Hitachi EX3600 excavator	1
Caterpillar D10R/T track dozers	5
Caterpillar 994F wheel loaders	3