



Location	400km south-east of Port Hedland, Pilbara region, WA
Client	Pilbara Manganese, a subsidiary of Consolidated Minerals Limited
Commodity	Manganese
Duration	December 2007 to October 2008



Consolidated Minerals is recognised internationally as a reliable, independent niche supplier of high-grade, low impurity manganese to world markets.

With its high manganese content and low phosphorous and iron levels making it ideal for stainless steel and ferro-alloy production, manganese extracted from the company's Woodie Woodie mine in Western Australia's Pilbara region has become a highly sought after commodity.

The Woodie Woodie mine is one of three sites where HWE Mining provides mining services to Consolidated Minerals. HWE Mining also operates the company's Widgiemooltha (Widgie) open-cut nickel mine and performs capital development at the Beta Hunt underground nickel mine, both in Western Australia's Goldfields region.

Our work at Woodie Woodie is centred on providing mining services using traditional open

pit mining methods to assist Pilbara Manganese with the removal of overburden from a series of open cut pits at the Woodie Woodie operation. Our contract involves the mining of 3.15 million bank cubic metres of waste from the Chris D, Rhodes, Area 1, Hunter, Austin and Big M pits.

Ore is processed through a conventional heavy media separation plant, producing lump and fines product which is loaded into 90-tonne road trains for transportation to Port Hedland.

Woodie Woodie operates 24 hours a day, 365 days a year and HWE Mining employs over 40 people at the mine.

### Production at a glance

- 3.15 million bcm to be mined during a 10 month period.



## Scope of work

### Project management

- Provision of management, supervision, plant, labour and other resources for various open cut pits within the Woodie Woodie operations
- Management of:
  - Safety and health
  - Environment, community and Indigenous affairs
  - Plant and procurement
  - Human resources and industrial relations

### Mining

- Clearing and grubbing
- Topsoil removal
- Site services as required by the client
- Loading, hauling and dumping of overburden, and management of associated stockpiles

EQUIPMENT	
Hitachi EX1900 Hydraulic Excavator	
Caterpillar 777D Dump Trucks	
Caterpillar D10T Track Dozer	
Caterpillar 16H Motor Grader	