

Maules Creek Project

Analyst Visit 5 May, 2014

Boggabri, Australia 5 May, 2014



MCC-400500-140505 Analyst Presentation





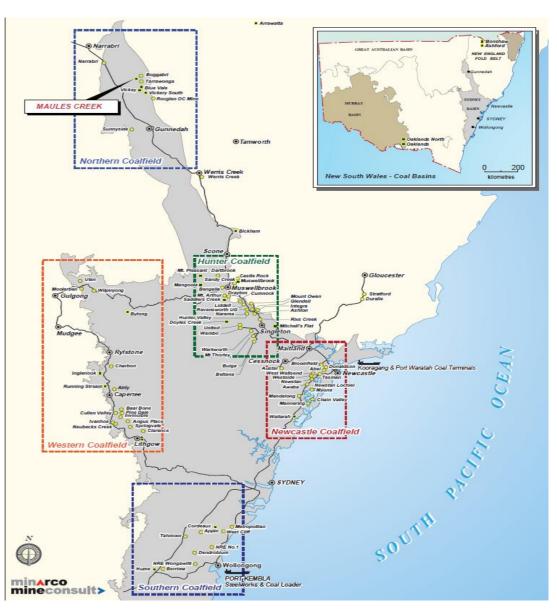
"Maules Creek Coal – A World Class Resource and Project "

- The Project is a realistic and feasible plan for the development of the Maules Creek Coal resource
- Federal Ministerial signoff of conditions to be satisfied for commencement of construction achieved
- Maules Creek will become a significant and valued supplier of premium thermal export coals and premium semi-soft coking coals to the Australian and export markets
- The mine plan and project timeline are considered reasonable and achievable and
- Cost estimating and economic analysis confirm that Maules Creek Coal is a high value coal project with relatively low capital intensity when compared to development projects in other emerging coal basins

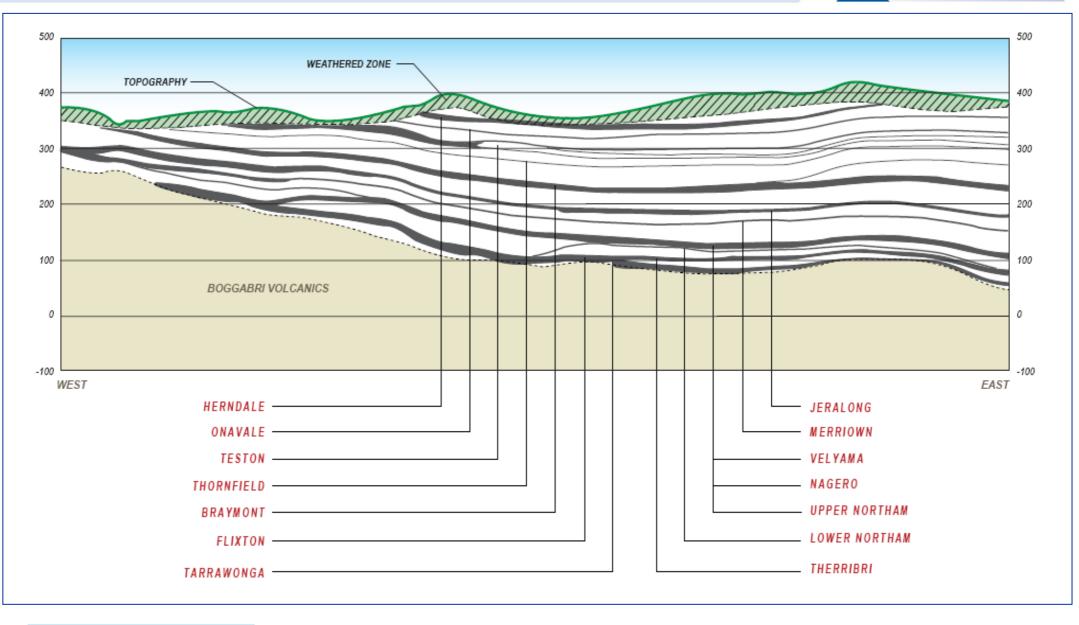
OVERVIEW



- > High quality resource which can be mined at relatively low cost
- Simple well understood geology
- Provides both thermal and metallurgical coal products
- > 17 km from the main railway line
- > Above and below rail capacity available
- > 380km from the Newcastle port where significant capacity expansion has been delivered
- Attractive economics from large scale of the project and ability to utilise ultra class equipment



GEOLOGY

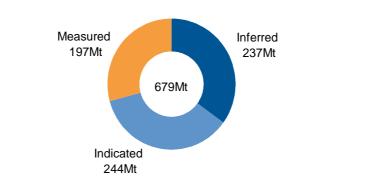


WORLD CLASS RESOURCE

"Maules Creek is one of the largest Australian coal deposits "

WHITEHAVEN COAL

- One of the last major undeveloped coal deposits in NSW with JORC Resources of 679Mt
- Geology well understood and mine planning undertaken with high degree of confidence
 - Definitive feasibility study completed July 2011 and project economics updated in October 2012
 - Over 650 boreholes (~76,000m) drilled and geo-physically logged within the original tenement area prior to 2010
 - 2010 exploration project complete, 14,000m of HQ and LD drilling

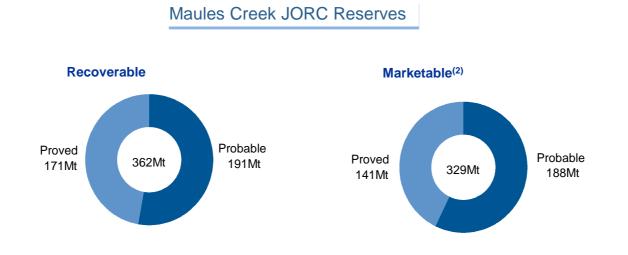


Maules Creek JORC (Joint Ore Reserves Committee) Resources

WORLD CLASS RESERVES



- Recoverable Reserves of 362Mt and Marketable Reserves of 329Mt
 - Provides for an expected mine life of 30 years
- Potential to produce both metallurgical and thermal coal
 - DFS confirmed potential production profile with a high percentage of metallurgical coal
 - Coal quality and CHPP plant design provides significant flexibility to target the production mix to suit market conditions

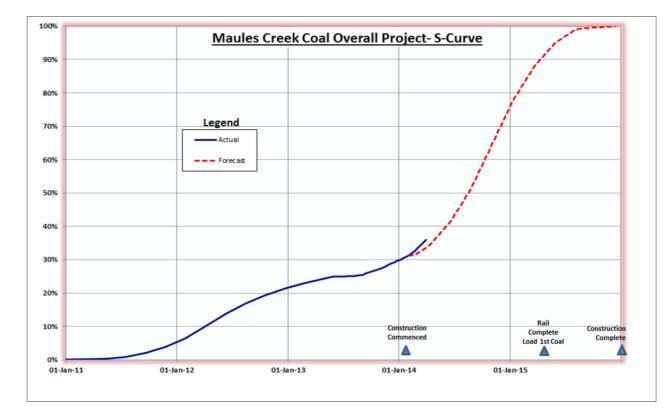


OVERVIEW OF PROGRESS

- Estimated Capital cost remains at \$767M
- Following delays due to court cases and approval, construction commenced in December 2013, with water supply pipeline. Rail commenced in mid January 2014
- > Progress currently:

All major contracts in place including:

- Water supply
- Rail and access road
- Bulk earthworks
- Erection of CHPP
- 123kV HV Power supply
- 22kV HV Power reticulation
- Batch Plant
- Portal reclaimers
- Belt Press Filters
- Communications



CONSTRUCTION SETTING

- Construction commencement was contingent on:
 - Primary State and Federal Approvals
 - Sign off on Management Plans by State and Federal agencies
 - Sign off of cultural heritage salvage on the construction site
- > Sign off of management plans was achieved in July 2013
- Legal challenge to the Minister's EPBC approval launched in July 2013
- Threats of an injunction pending the outcome of the legal challenge resulted in an undertaking that clearing would be limited to defined footprint
- Rail contract executed in late October 2013
- Project schedule revised to reflect approvals / legal delays
- > Rail available excluding signals Early March 2015
- > Rail works form the critical path
- > Signoff of salvage of rail and infrastructure footprint by RAP's achieved in early Nov 2013
- > Sign off of salvage work by DoPI obtained late December 2013





CONSTRUCTION SETTING cont'd

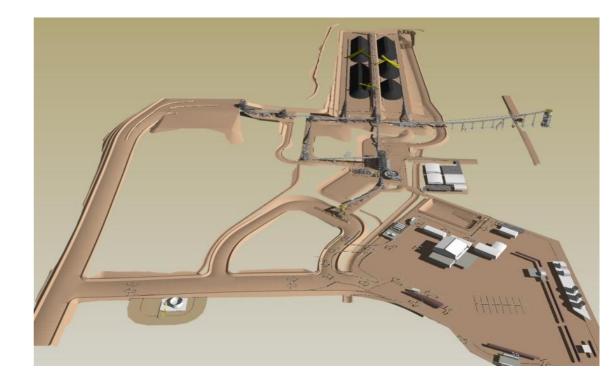


- Construction of water pipeline commenced late December 2013
- Rail works commenced in mid January 2014
- Bulk earthworks contractor mobilised in mid February 2014
- > CHPP erection contractor mobilised on site early May 2014
- > 132kV and 22kV power supply contracts executed
- Some early delays in start ups plus two weeks wet weather delay due to extremely heavy rain, but schedule for ability to rail coal in Q1, 2015 being maintained
- > Mining fleet (both ultra class and conventional) secured
- Mobilisation of crew to erect ultra class fleet scheduled for June 2014
- Mining schedule being synchronised with infrastructure schedule to optimise coal railings
- Forecast capital cost remains within estimate
- Opex model forecasts FOB costs consistent with market expectations.

SCOPE OF PROJECT – Key Packages



- C001 Rail and Access Road
- C003 HV Power Supply
- C101A Bulk Earthworks
- C104 MIA Facilities
- > C108 Water Supply
- C109 22KV Power Distribution
- C115 Portal Reclaimers
- C117 CHPP Construction

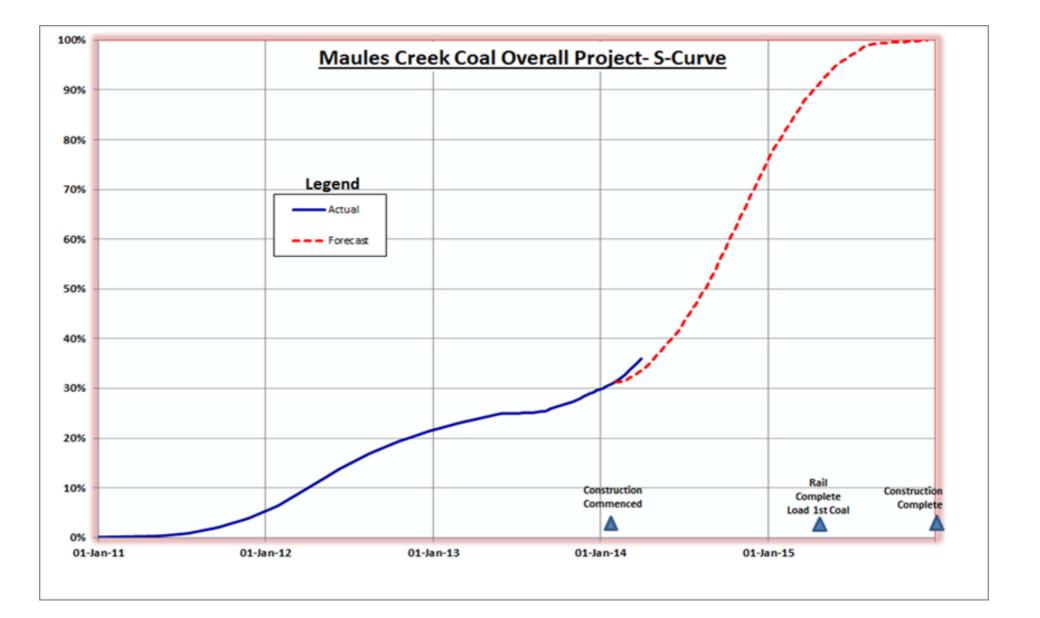






Area	Contractor	% Complete at End March 2014
Rail	Leighton	18%
Bulk Earthworks	Ditchfield	8%
CHPP Design, Supply, CHPP Erect	Sedgman Downer	44%
Water Supply	Stripes	100%
Power Supply	Transgrid	5%
Mine Infrastructure	Various	15%
Total		36%

OVERALL PROGRESS



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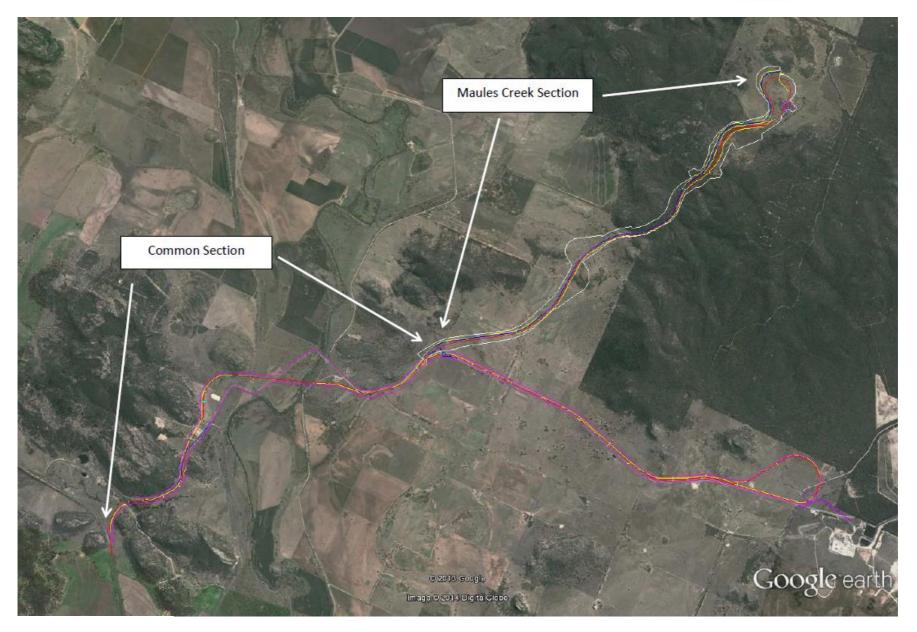
WORKPLACE HEALTH AND SAFETY

	Current Month March 2014	Year to Date Jul 13 – Mar 14
Total Hours	69085	204871
Reportable Incidents	0	1
Other Incidents	6	22
Total Incidents	6	23
3 month moving ave		
TRIFR	7.4	n/a
LTIFR	0.0	n/a
12 month moving ave		
TRIFR	4.6	n/a
LTIFR	0.0	n/a
Year to date		
TRIFR	4.8	4.88
LTIFR	0.0	0.0

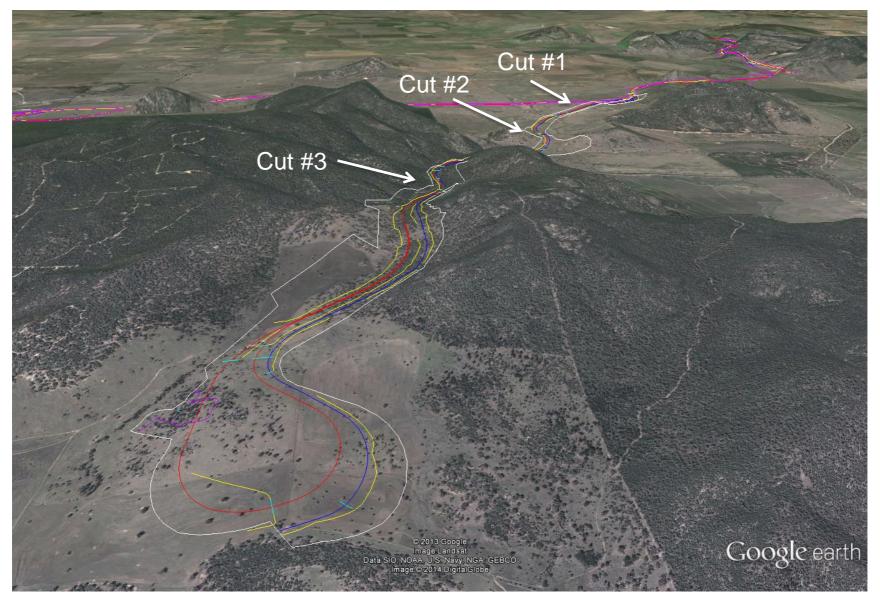














- 11.9km rail spur and balloon loop
- 7.9km common section
- 9.5km mine access road
- 2km creek diversion
- 27 transverse pipe and box culverts
- 1.6 Mm3 of cut, approx. 500 Km3 each free dig, rip, blast



Common Section Namoi River Crossing

C001 - RAIL WORKS – Progress



- Maules Creek section tracking in accordance with the early schedule despite losing 10 days due to rain
- As at end March construction activity was 18% complete – excluding design and early works
- Clearing 100% complete
- Topsoil stripping 100% completed
- Foundation treatments commenced
- Work progressing in cuts 1, 2 and 3 concurrently
- Volume of material moved to date approximately 500,000m3



Culvert in Rail Loop area

C101A - BULK EARTHWORKS



C101A - BULK EARTHWORKS - Scope



Bulk Earthworks scope:

- > CHPP
- ≻ ROM
- > Train Load Out (TLO)
- > MIA Area Works
- Site Access Roads
- > Area Pavement Works
- Dams
- > Water Management Structures.



Top section of ROM Slot Wall and Micro Piles

C101A - BULK EARTHWORKS

Bulk Earthworks Key Dates :

- Milestone 1 ROM to TLO Jun 2014 : On schedule
- Milestone 2 Overall PC Jan 2015 : On Schedule



TLO Platform Complete ready for Piling

C101A - BULK EARTHWORKS

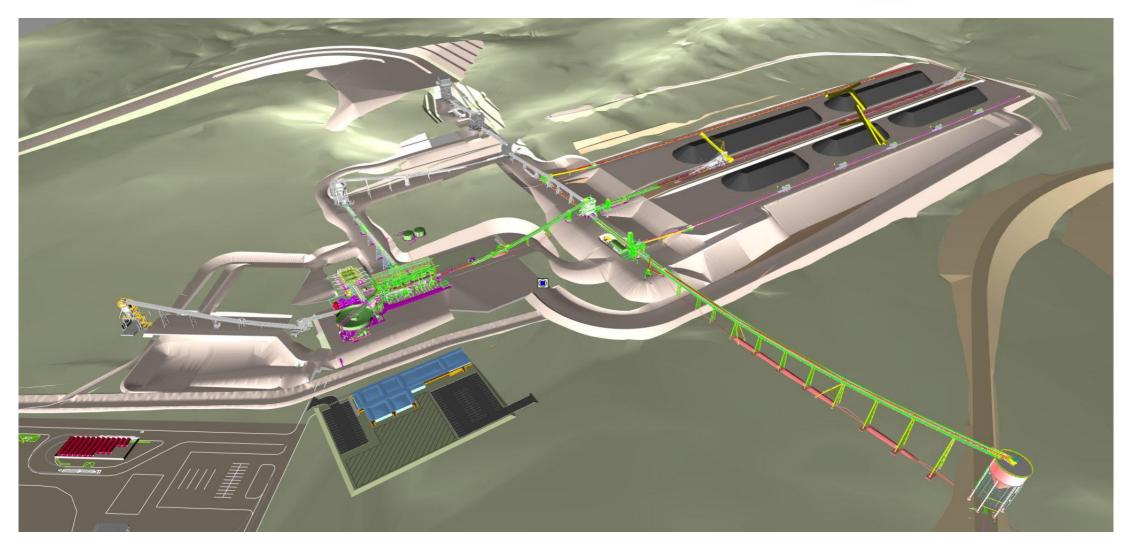
Progress to Date:

- Contract Executed 20 Jan 2014
- Commenced clear and grubbing activities 11 Feb 2014
- Lost time due to major rain event >200mm
- Worked through Easter and Anzac breaks to recover time
- Planning double shift on ROM slot wall and stockpile areas
- CHPP construction office pad, CHPP laydown pad and TLO areas handed over, 60MI borrow pit dam created for construction water



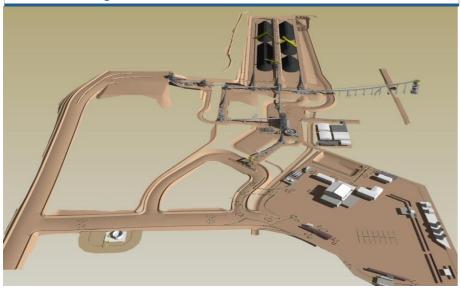
C117 - COAL HANDLING & PREP PLANT



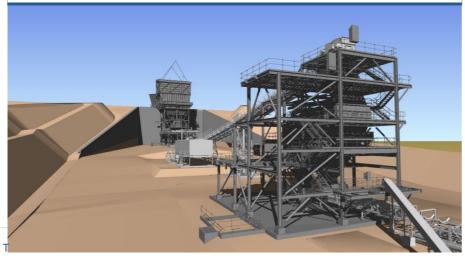


COAL HANDLING & PREP PLANT

CHPP looking south



Secondary sizing station, looking to ROM hoppers

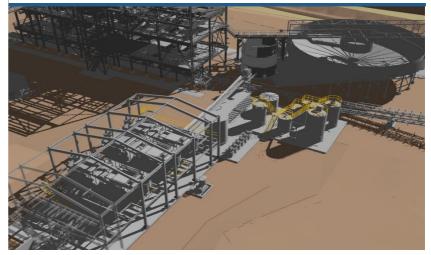


- > Class-leading CHPP design by Sedgman
- Bypass system rated for 1,850tph (13.3Mtpa)

WHITEHAVEN COAL

- Wash plant system rated at over 1,700tph (12.3Mtpa)
- Critical, long lead time, equipment ordered and fabricated and stored at Narrabri
- Configuration allows for some staging of construction
- Train loading capacity and stockpile handling systems to deliver operational efficiencies

CHPP and thickener



C117 - COAL HANDLING & PRE PLANT

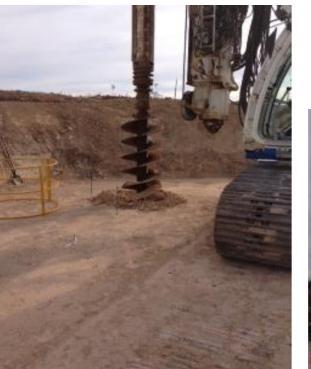




Downer EDI appointed Principal Contractor for construction

- Full Audit of all equipment completed
- Bulk earthworks handover of train load out area completed. Piling activities commencing after Easter
- > Pre assembly of equipment at the Narrabri yard has commenced
- > Additional equipment orders have been placed for sections of the plant that have been redesigned.

C117 - COAL HANDLING & PREP PLANT





Piling activities for Train Load
 Out Bin commenced on 29 April

WHITEHAVEN COAL

Piling Rig will move to CV853 trestle supports during the second week of May



CHPP PORTAL RECLAIMERS



 Design Hazop has been completed with final sign off expected in Germany on May 5th

- SSI heavy industries in China have commenced procurement of materials and will commence fabrication in May
- > GSI quality assessment visit planned for June
- > Temporary loading facilities for the stockpile are being finalised

CHPP BELT FILTER PRESS





- All six filters have been fabricated and QA testing completed
- Filters passed Factory
 Performance Testing in March
- Filters have been despatched via sea freight and are due to arrive in Australia in May
- The Filters will be stored at the Narrabri storage facility until they are required for installation in late October

CHPP CONSTRUCTION SCHEDULE

WHITEHAVEN COAL

Key points of note as follows:

- > Piling activities commence 29 Apr 2014
- > Site deliveries for pre-assembly works commence 5 May2014
- > CHPP Construction offices assembled on site 19 May 2014
- > Site civil works commence 5 Jun 2014
- > Erection of structure commences late Jul 2014
- > Bypass system commissioning commences Jan 2015
- > Bypass ready Feb 2015
- > CPP commissioning May 2015

MINE INFRASTRUCTURE





C108 - Water Supply



C104 - MIA Facilities



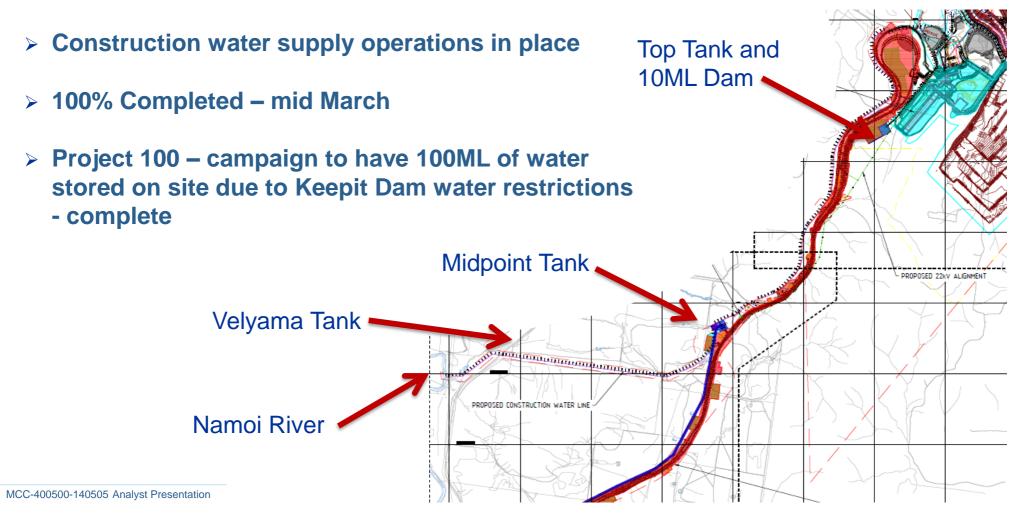
C003 & C109 Power Supply



C116 – Site Communications

C108 – WATER SUPPLY - Scope

- Water infrastructure installed from Velyama to Top Tank
- > 10ML Dam Complete



C108 – WATER SUPPLY - Progress





River Pump Station – 100%



50MI Construction Water Dam



Velyama 100%



Top Tank100% - Dam 100%

C104 INFRASTRUCTURE - MIA



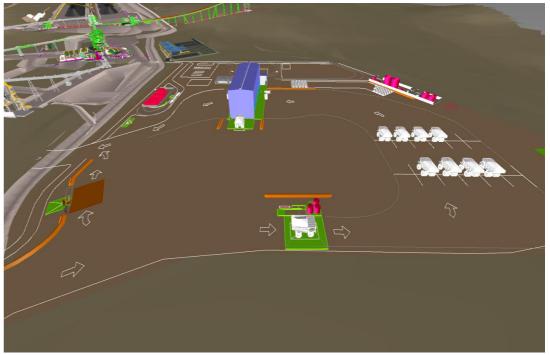
> Works packages

- Workshops, MIA and CHPP offices
- Site services Water backbone including Potable and Fire water
- Bulk fuel and oil storage and HV / LV refuelling
- HV / LV wash bays
- Equipment spares laydown area and goline parking area
- Visits conducted to Werris Creek and Mangoola

Self Manage works packages

Key dates:

- Packaging and schedule dates under review
- Target Tender date May 2014
- Target Award date Jun 2014
- Completion Target February 2014



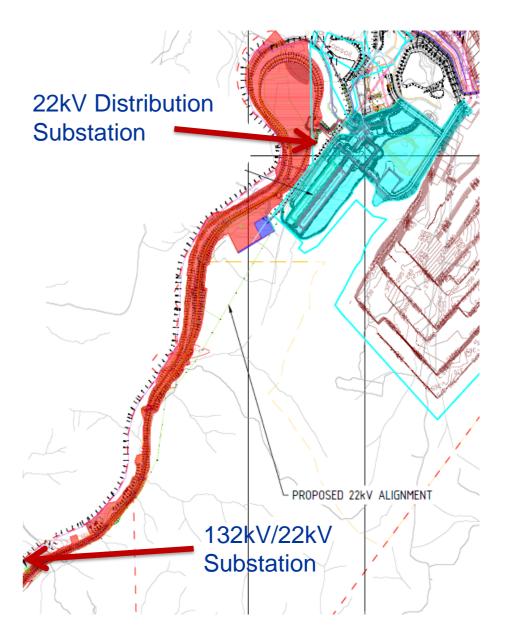
C003 – POWER INFRASTRUCTURE

- > Power Infrastructure consists of 2 parts:
 - C003 132kV Transmission Infrastructure Transgrid

- C109 22kV Power Supply Downer
- C003 132kV TransGrid Power Supply
 - 4.5km Transmission Line
 - 132kV Switching Station
 - Power Agreement finalised with Transgrid 17 April
 - BCEP Constructed in 8 months
 - Target Date Jan 2015
- Key Interactions
 - BCEP shared transmission line
 - 22kV Contractor interface of 132kV to 22kV equipment

C109 – 22kV POWER

- > C109 22kV Power Supply
 - 132kV / 22kV Substation
 - 4.5km Transmission Line
 - 22kV Distribution Substation
- Key Dates
 - Contract Award 30 April 2014
 - Target completion January 2015
- Key Interactions
 - Leightons pad construction
 - Transgrid 132KV Power Supply



C116 – SITE COMMUNICATIONS

> Scope:

- Microwave Link for data scope being reviewed
- Mine Hardwired Fibre Optic infrastructure
- Fibre Optic Link to public telecommunications infrastructure

WHITEHAVEN COAL

> Status:

- Construction Microwave Link being set up for construction Vertel
- Investigations ongoing for Fibre Optic installation for permanent Telecommunications services – VOICE/DATA

PORT AND RAIL INFRASTRUCTURE



- > 7.5Mtpa of contracted below-rail capacity available to Maules Creek from July 2014
- Provisional notice provided for an additional
 2.8Mtpa in below-rail capacity from 2016
- ARTC track expansion projects in relation to these contracted and prospective volumes are underway and on target for completion prior to first railed coal
- In December 2012 finalised an agreement with Aurizon to haul up to 16Mtpa
- > 8.5Mt of contracted port capacity
- Can access both PWCS and NCIG coal terminals and will require additional capacity as the mine ramps up to full production
- > Additional capacity is available



MINING

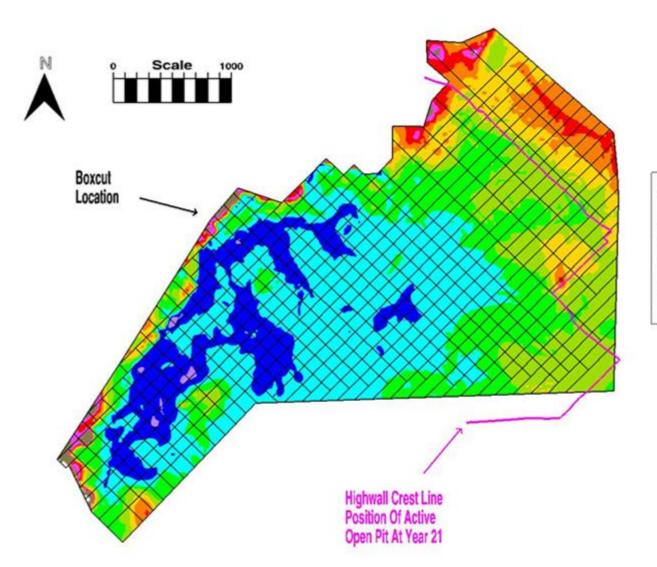


- Mine method is by shovel and truck
- > Robust mobilisation & buildup
 - After thorough analysis have adopted owner operate model.
 - Leveraging internal mining capability
 - Have secured ultra class mining fleet.
- Detailed mining sequence for LOM created (Month x Month)



STRIP RATIO

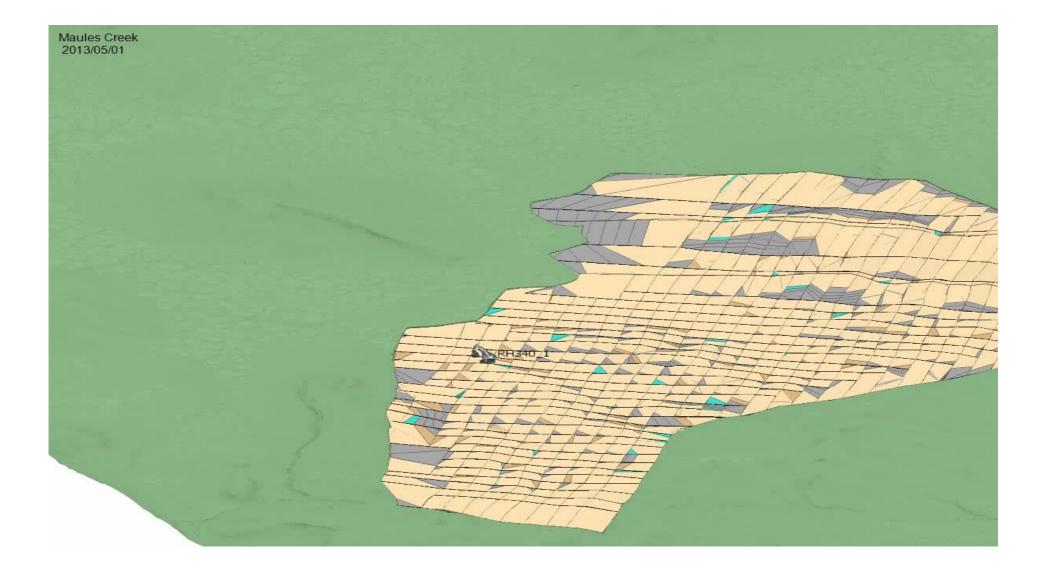




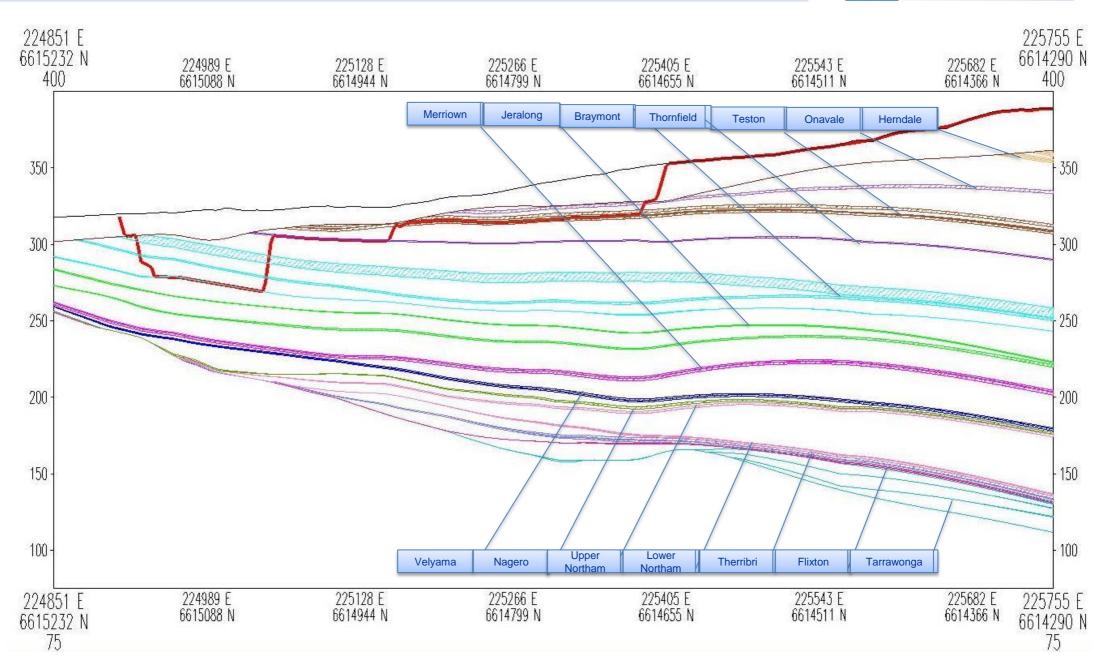
Insitu	Strip Ratio (bcm/t)
>12	
11-12	
10-11	
9-10	
8-9	
7-8	
6-7	
5-6	
4-5	
3-4	
2-3	
1-2 —	





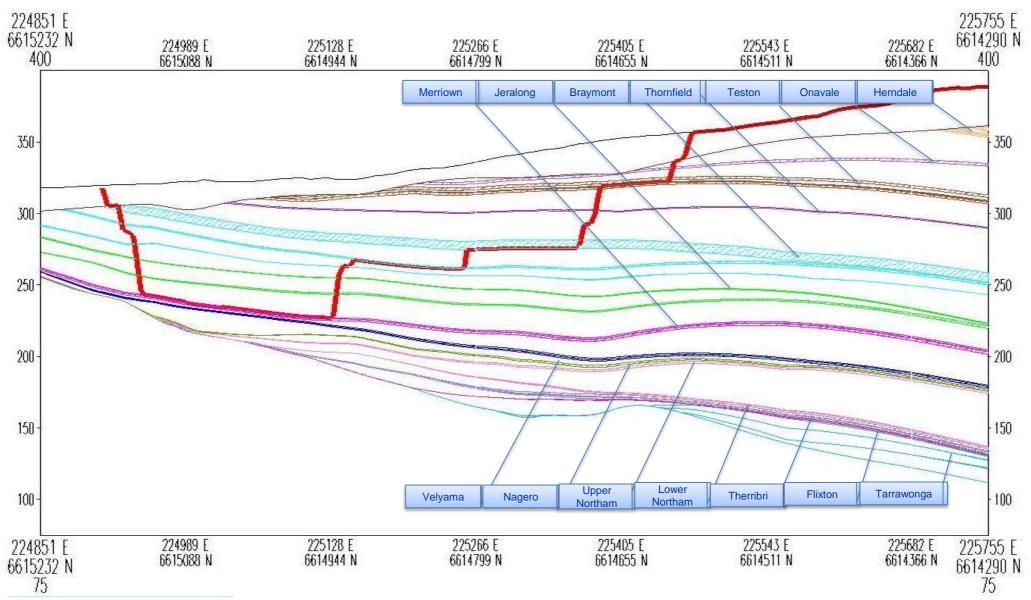


Yr1 X-Section



Yr2 X-Section





MINING STRATEGY

First stage Ramp up of production to target 6Mtpa ROM rate from February 2015

- Blasting to commence July 2014
- Waste removal to commence August 2014
- Staged introduction of mining fleet
- Four excavators to be introduced successively between August and February
- First coal being mined from January 2015
- Coal mined at 6MT rate from March 2015

Second stage Ramp up to 9Mtpa rate from February 2016

MINING FLEET STRATEGY

> Hitachi Equipment Selected For Excavators and Large Trucks

- 2 x EX3600 Excavators (350t)
- 2 x EX8000 Excavators (800t)
- 11 x EH5000 Trucks (304t)
- > Westrac (CAT) to supply bulk of ancillary fleet
 - 4 x CAT 789D's
 - 6 x Dozers
 - 4 x CAT MD6290 Drills
 - 3 x Graders
- > Emeco to supply other ancillary equipment
 - 4 x CAT 789D's
 - Water Carts
 - Opportunity to provide Maintenance Services







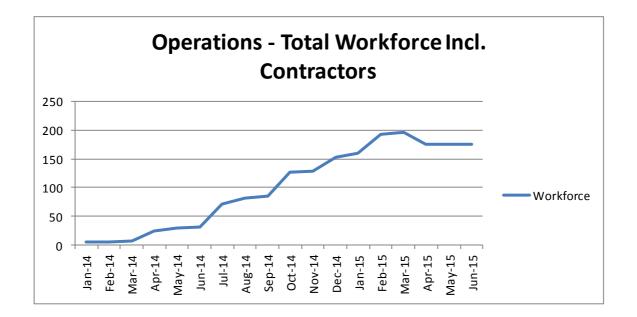


- Each excavator will be scheduled to ramp up over a period of 4 weeks from commissioning
- This will allow adequate time for induction and training on equipment
- > Initial roster to include 10.5 hour shifts
 - This is consistent with other existing WHC Open Cuts
 - Equipment to be serviced during 3 hour window
 - Ability to achieve ~5,600 hours per annum on Tier 1 machines

RECRUITMENT



- > Target experienced operators in initial Ramp Up
- > Incorporate Indigenous recruitment program
- > Incorporate local candidates



OPERATING COSTS



Average real FOB cash costs over first three years currently forecast to be approximately A\$67/t

- Detailed mine planning is currently underway to determine the optimum mining strategy
 - Low strip ratio (6.4:1)
 - Simple, open cut, truck and shovel operations
 - High mine yield of 86%
 - Current and future market conditions.
- > Maules Creek expected to improve its competitive cost position over time
 - Low strip ratio remains relatively constant over the first 20 years of production
- > Owner operate model shown to be most competitive.
 - Ultra class fleet secured.
 - Also conventional coaling and auxiliary fleet secured as well.

INDEPENDENT RANKING

Wood Mackenzie ranked Maules Creek second highest out of a large number of international projects

The project will deliver significant value to Whitehaven shareholders when it commences production

Country	Operator	Asset	NPV	IRR	Payback	Price risk	P/I ratio
Australia	QCoal	Byerwen	2,713	22%	8.0	3%	2.8
Australia	Whitehaven	Maules Creek	2,490	31%	7.0	3%	3.2
Canada	Canadian Dehua	Murray River	2,038	37%	6.3	3%	2.9
Indonesia	Bagus Setia Giri	Selo Argokencono Sakti	591	51%	5.3	4%	4.4
Indonesia	Cokal	Bumi Barito Mineral	323	47%	4.2	3%	3.6
Indonesia	ltochu	Suprabari Mapanindo Mineral	229	28%	5.1	2%	3.1
United States	Alpha	Cresson	169	32%	5.2	3%	3.0
Indonesia	Harum Energy	Tambang Batubara Harum	117	43%	5.3	3%	3.6
Indonesia	Altura Mining	Tabalong	92	58%	4.2	4%	6.2

Top 7 based on NPV, IRR, payback, price risk and PI criteria

Source Wood Mackenzie Coal GEM

High ranking, high value project

CLOSING COMMENTS

Construction has been in progress for three months for the rail and two months for the earthworks

- > Today you will see what has been achieved in that time
- > The site has been cleared and topsoil removed
- Excavations of the major cuts on the rail have been commenced and opened up to show the nature of the ground
- > Aiming to complete earthworks by around September
- Handover of early earthworks accomplished
- Contractor for erection of CHPP has commenced assembly at the storage yard and is mobilising on site
- Mining equipment secured with assembly to commence in June
- Groundwork to move forward to complete the project on time has been achieved
- > Opportunities to bring future milestone dates forward are being pursued.

Thank you

