

# Maules Creek Continuation Project

Environmental Impact Statement

Attachment 11  
JORC Summary



# **COAL RESOURCE AND RESERVE REPORT MAULES CREEK OPEN CUT COAL MINE: FINAL HIGHWALL OF CURRENT APPROVAL AREA AND PROPOSED MAULES CREEK CONTINUATION PROJECT (MCCP)**

**Prepared for: Whitehaven Coal Limited**

**Authors: Darryl Stevenson / Richar Guerra**

**Reviewer: Christopher Kelly**

**Date: 31 March 2025**

**Revision Number: 4**

## Executive Summary

This update, on the coal resources within the final highwall of the current mining approval and the proposed Maules Creek Continuation Project (MCCP) at Maules Creek open cut mine (Part CL375), was prepared for Whitehaven Coal Limited (WHC), by Mr Darryl Stevenson and Mr. Richar Fabio Guerra Hernandez. The report is intended to be compliant with the JORC Code (2012), and to conform to the Australian Guidelines for the Estimation and Classification of Coal Resources (2014).

The Maules Creek Coal Mine is located within the Gunnedah Coalfield of New South Wales, Australia, approximately 18km northeast of Boggabri in north-western NSW and about 325km by rail from the Port of Newcastle. Open cut mining at Maules Creek commence in 2014, following the grant of ML1701. This proposed MCCP will extend the LOM from 2036 to 2044

The coal resource is contained within the Cisuralian (early Permian) Maules Creek Formation. Fifteen named seams have been identified and correlated, of which a number comprise two or more seam splits. Coal resources have been estimated for 66 coal horizons. All seams currently mined at Maules Creek have mining potential within the MCCP area.

## Titles

The Maules Creek mining operation comprises Coal Lease 375 (CL375), Exploration Authorisation 346 (AUTH346), Exploration Licence 8072 (EL8072), Mining Lease 1701 (ML1701) and Mining Lease 1719 (ML1719). Current title details are presented in Table 1 and the location of the MCCP area is shown in Figure 1.

**Table 1. Maules Creek Titles**

<b>Issuing / Responsible Authority</b>	<b>Type of Approval, Authority, Licence</b>	<b>Date of Issue</b>	<b>Expiry Date</b>	<b>Comments</b>
Department of Regional NSW Mining, Exploration and Geoscience (MEG) and Resource Regulator NSW	Mining Lease ML1701	9 <sup>th</sup> October 2014	9 <sup>th</sup> October 2035	Surface Infrastructure
	Authorisation AUTH346	28 <sup>th</sup> February 1984	28 <sup>th</sup> February 2027	Currently being explored
	Coal Lease CL375	4 <sup>th</sup> June 1991	4 <sup>th</sup> June 2023	Covers project area apart from ML1719
	Mining Lease ML1719	11 <sup>th</sup> November 2015	11 <sup>th</sup> November 2036	Out of pit emplacement area
	Exploration Licence EL8072	12 <sup>th</sup> March 2023	12 <sup>th</sup> March 2026	Surface infrastructure

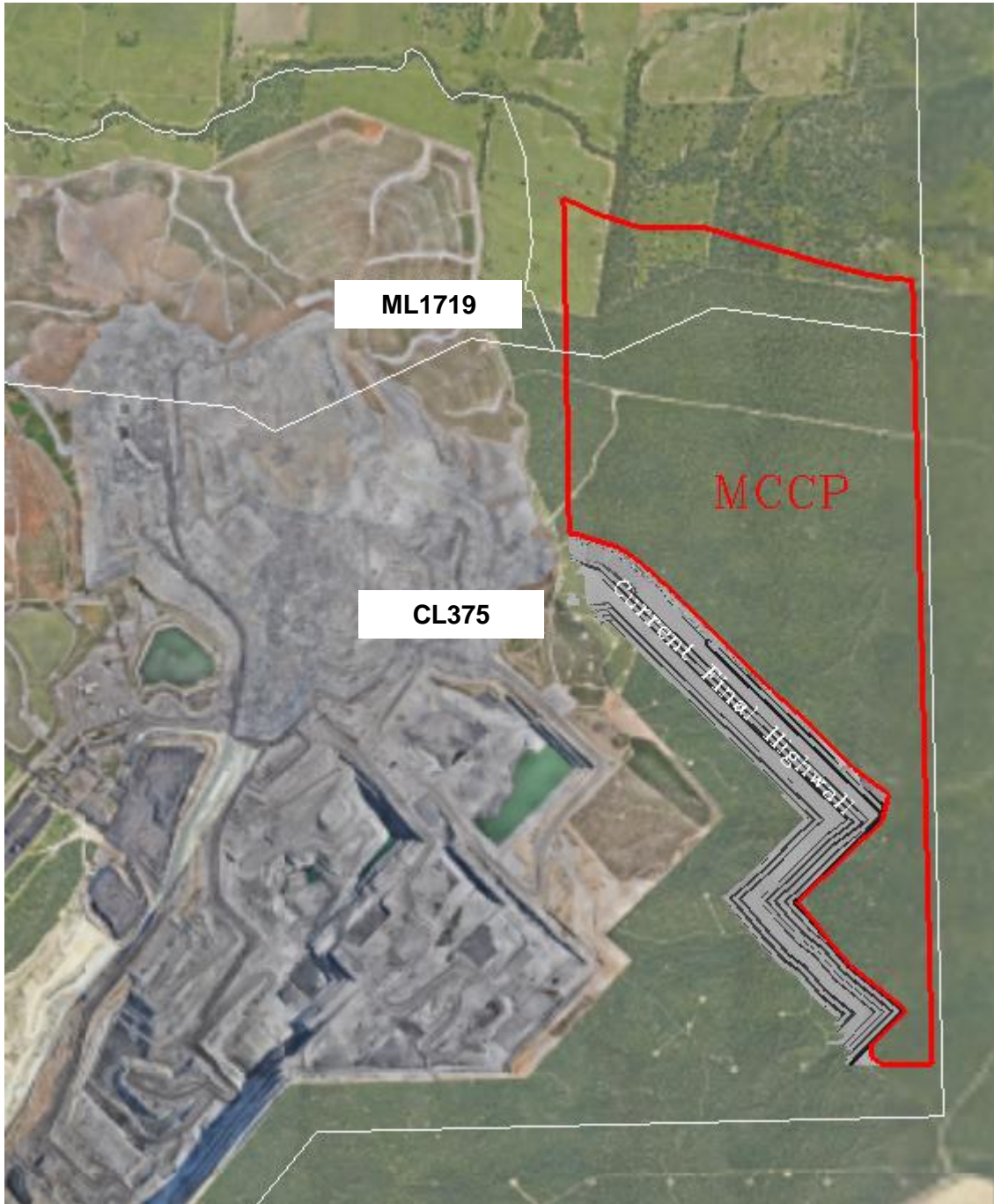


Figure 1. Location of the Maules Creek Continuation Project (MCCP) area

## Resources and Reserves

Total coal resources present within the final highwall of the current approval area plus the proposed, MCCP area are estimated to be 143 million tonnes, of which 129 million tonnes, or 90%, are classified as Measured or Indicated.

Most of the Inferred resources (99%) present within the MCCP area are developed within the lower 4 seams, Therribri, Flixton, Tarrawonga and Templemore. This is due to a combination of a lower confidence level as seams lap onto the underlying basement and a reduction in analysed quality intersections within those horizons. 7M of Resources Inferred are within the MCCP Pit Shell.

**Table 2 Coal Resource Summary**

Resources (tonnes x 106) at in situ moisture					
	Measured (A)	Indicated (B)	(A) + (B)	Inferred	Total
<b>Open Cut</b>	57	72	129	14	143

**Table 3 Coal Reserves Summary**

Reserves	Proved (Mt)	Probable (Mt)	Total
<b>Coal Reserves</b>	55	60	115
<b>Marketable Reserves</b>	44	46	90

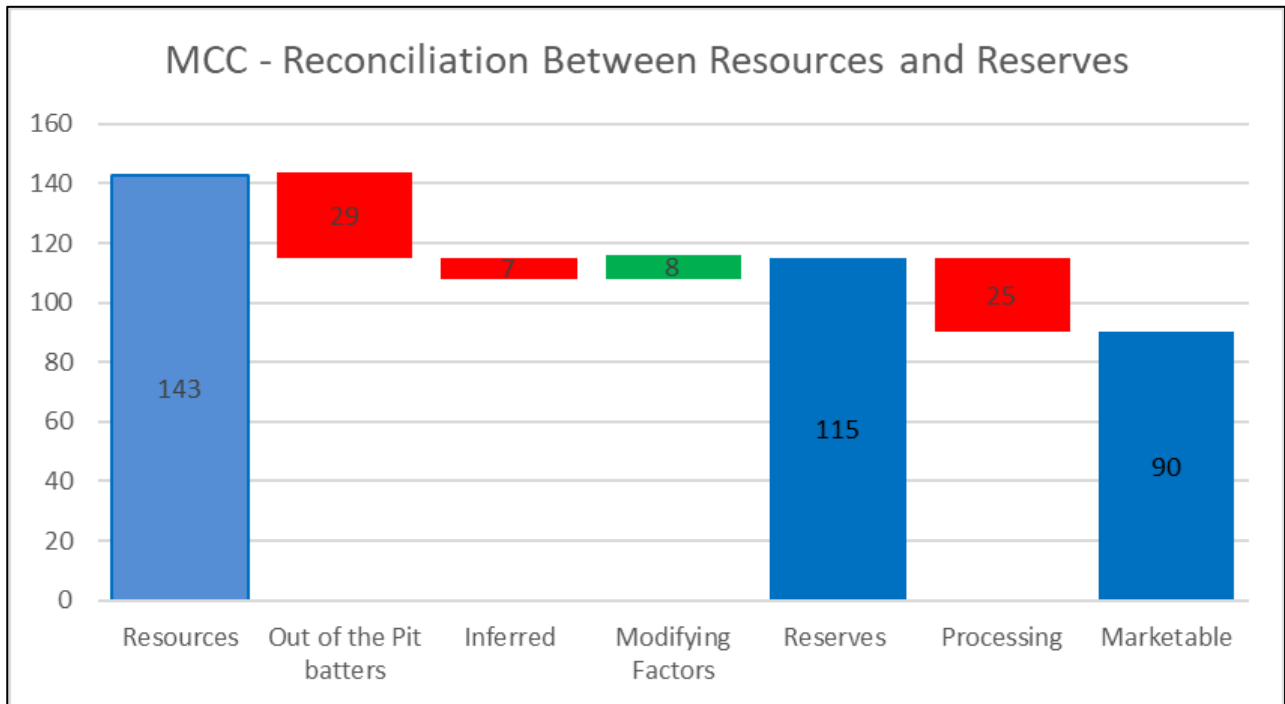
- 1) The Statement of JORC Coal Reserves has been compiled under the supervision of Mr Richar Guerra who is a full-time employee of WHC and is a Member of the Australian Institute of Mining and Metallurgy. Mr Guerra has sufficient experience which is relevant to the style of coal and type of deposit under consideration to qualify as a Competent Person as defined in the JORC Code.
- 2) Tonnages are metric tonnes. Coal Reserves are at 8.2% moisture (ar) (ROM) and Marketable Reserves are at a mixed moisture based on a washed product 10.8% moisture (ar) with bypass at 8.2% moisture (ar).
- 3) Figures reported are rounded which may result in small tabulation errors.
- 4) Coal Reserves have been estimated in accordance with the guidelines of the 2012 Edition of the JORC Code. Australian Guidelines for Estimating and Reporting of Inventory Coal, Coal Resources and Coal Reserves – 2003.
- 5) Coal Reserves are included within the Coal Resources estimate.
- 6) Coal Reserves are reported on 100% equity basis.

Table 4 and figure 3 summarises the reconciliation of tonnages through the process between the coal Resource estimate and the Marketable Reserves estimate.

Table 4 Reserves and Resources Reconciliation JORC 2024

	Total (Mt)
<b>OC Mining Model Resources MCCP</b>	<b>143</b>
Less coal in batters and outside of practical pit shell	-29
Less Inferred coal in pit shell	-7.0
Plus Modifying Factors	+8.0
<b>OP Reserves</b>	<b>115</b>
Less coal lost in coal processing	-25.0
<b>Marketable Coal Reserves</b>	<b>90</b>

Figure 3 Waterfall Reconciliation between Coal Resources and Marketable Reserves



## Statement of JORC Compliance

### 1.1 Statement of Compliance Resources

This report, that relates to Coal Resources only, is based on information compiled by Mr Darryl Stevenson, a Competent Person who is a member of the Australasian Institute of Mining & Metallurgy (AusIMM).

Mr Stevenson has practiced as a coal geologist since 1991 and is currently a full-time employee of Whitehaven Coal Limited. Mr Stevenson has an immaterial interest in, and entitlement to company performance-based securities in Whitehaven Coal Limited.

Mr. Stevenson has over thirty years' experience in the evaluation and estimation of coal resources for exploration projects and coal mines in Australia and overseas. Mr Stevenson has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code).

Competent Person:

A handwritten signature in black ink, appearing to read "D. Stevenson", with a long horizontal line extending to the right.

Darryl Stevenson BSc (hons). M.Min.Eng. MAusIMM

14 February 2025

Australasian Institute of Mining & Metallurgy membership number 109507

## 1.2 Statement of Compliance Reserves

The information in the report, to which this statement is attached, that relates to the Statement of JORC coal Reserves for the Maules Creek Open Cut Coal Mine, based on information compiled and reviewed by Mr. Richar Fabio Guerra Hernandez, who is a Member of the Australasian Institute of Mining and Metallurgy and is a full-time employee of Whitehaven Coal (“WHC”).

I, Richar Fabio Guerra Hernandez, confirm that I am the Competent Person for the Coal Reserve stated in this Report and:

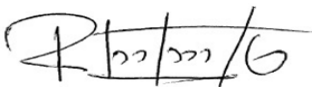
- I have read and understood the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 Edition);
- The estimates of coal Reserves presented in this Report have been carried out in accordance with the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (2012);
- I am a Competent Person as defined by the JORC Code 2012 Edition, having over 10 years’ experience that is relevant to the style of mineralisation and type of deposit described in the Report, and to the activities which have been undertaken in the preparation of this report;
- I am a Member of The Australasian Institute of Mining and Metallurgy; and
- I have reviewed the Report to which this Consent statement applies.

I confirm I am a full-time employee of WHC.

I am not aware of any potential for a conflict of interest in relation to this work. I have no interest whatsoever in the mining assets reviewed and will gain no reward for the provision of this Coal Reserve Statement.

I have disclosed to the reporting company the full nature of the relationship between myself and the reporting company, including any issue that could be perceived by investors as a conflict of interest. I verify that the Report is based on and fairly and accurately reflects in the form and context in which it appears, the information in my supporting documentation relating to the coal Reserves.

Competent Person:



Richar Fabio Guerra Hernandez BSc MAusIMM CP (Mining)

14 February 2025

Australasian Institute of Mining & Metallurgy membership number 306536