



ENHANCE PLACE MINE

2022

ANNUAL ENVIRONMENTAL  
MANAGEMENT REPORT

(Small Mine Version)

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## TITLE BLOCK

<b>Name of Mine</b>	Enhance Place Mine		
<b>Mining Titles/Leases</b>	ML 1520	<b>Expiry Date</b>	28/08/2023
<b>Historical Mining Titles/Leases</b>	ML 1422	<b>Expiry Date</b>	3/12/2018
<b>Historical Mining Titles/Leases</b>	ML 1458	<b>Expiry Date</b>	28/11/2020
<b>Name of Leaseholder</b>	Enhance Place Pty Ltd		
<b>Name of Mine Operator</b>	As above		
<b>Postal Address</b>	Enhance Place Pty Ltd		
	350 Boulder Road		
	Portland, N.S.W, 2847		
<b>Telephone</b>	(02) 6354 8111		
<b>Fax</b>	--		
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**Signature** 

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**Name** Graham Goodwin

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**Position** Mining Engineering Manager

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**Date** 24.02.2023

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**Signature** 

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**Name** Ben Eastwood

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**Position** Environmental Officer

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**Date** 24.02.2023

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### APPENDIX A

#### *ENHANCE PLACE MINE PLANS*

## 1 INTRODUCTION

### 1.1 BACKGROUND

Enhance Place Pty Ltd (Enhance Place) was established in 1997 using open cut mining methods to recover remnant coal from areas that had been previously mined in the 1950's. A principal objective of Enhance Place was to provide the means to improve the appearance and general amenity of the land through the rehabilitation of land previously impacted by mining.

Enhance Place operated the Enhance Place Open Cut Coal Mine (Enhance Place Mine) from 1997 until its closure in June 2005 following the extraction of all economically feasible coal reserves.

The Enhance Place Mine is located in the Western Coalfields of NSW at Blackmans Flat, 15km northwest of Lithgow on the southern side of the Castlereagh Highway. The site is approximately 3km southeast of Mount Piper Power Station (Plans 1 & 1a, **Appendix A**).

The Enhance Place Mine extracted coal over the abandoned Eastern Main Underground Mine workings (Eastern Main Mine). The Eastern Main Mine operated as a Bord and Pillar mine until 1975. Mining activities at the Enhance Place Mine were undertaken by six (6) employees, being augmented for short periods by secondment of maintenance, operating or rehabilitation personnel from other areas of the contractor's operations as required.

Since the cessation of open cut operations in June 2005, activities at the Enhance Place Mine have included surface water control, rehabilitation of land-form with seeding and fertilisation, feral animal and weed control programmes have been implemented with final rehabilitation completed.

At the time of writing, Enhance Place is finalising arrangement to decommission five (5) groundwater monitoring wells situated within the property as part of conditions specified by the NSW Resources Regulator to the relinquishment of the mining leases.

### 1.2 LANDOWNERSHIP AND LAND USE BOUNDARIES

Land ownership of the Enhance Place Mine consists of private freehold and crown land. The current status of land ownership, tenure and pre-mining land use at the Enhance Place Mine is summarised in **Table 1**. The landowner and the respective boundaries are shown in **Plan 2, Appendix A**.

**Table 1** Land Ownership

Landowner/Occupier	Lot/DP	Tenure (freehold leasehold)	Pre-mining land use
Mr & Mrs J. Cherry	301/751636	Freehold	Grazing
Mrs J. Cope	302/751636 303/751636	Perpetual Lease	Grazing
D & J Hunt	370/751651	Freehold	Grazing
State of NSW - Glen Davis Recreation Area (R. 59960)	304/751636 305/751636	Crown Land	Grazing
State of NSW	7004/1026541	Crown Land	Bush/grazing
A.M.D. Thompson	101/1145705	Freehold	Grazing

### 1.3 MINE PRODUCTION, PRODUCT AND MARKET

The mine ceased production at the end of June 2005 when all coal reserves had been extracted. There was no coal production or active mining operations undertaken at Enhance Place during the 2022 reporting period (refer **Section 4**).

Details of production history are detailed in **Table 2**.

**Table 2** *Production History*

Year	Production Total (Tonnes)
1998	73,632
1999	86,007
2000	77,804
2001	77,579
2002	77,109
2003	101,851
2004	89,000
2005	27,228
<b>Total</b>	<b>609,940</b>

## 2 CONSENTS AND LICENCES

The following consents and licences apply to Enhance Place Mine.

**Local Council Area:** Lithgow City Council Development Consent 36/99

**Development Consent:** Granted  [✓]  
 Required but not granted  [ ]  
 Not required  [ ]

**Do licences granted by other agencies apply to the mine activities?** Yes  [✓] No  [ ]

EPL No.6312 surrendered 28/09/2005 after cessation of mining.

National Parks and Wildlife Services  [N/A]

Dam Safety  [N/A]

Other  [N/A]

### 2.1 MINING OPERATIONS PLAN (MOP) AND ANNUAL ENVIRONMENTAL MANAGEMENT REPORT (AEMR) PERIOD

<b>MOP Commencement Date</b>	31 May 2013	<b>Completion Date</b>	16 January 2024
<b>AEMR Start Date</b>	1 January 2022	<b>End Date</b>	31 December 2022

There have been no amendments made to the Enhance Place Care and Maintenance Mining Operations Plan (MOP, Ref [1]) during the 2022 AEMR period.

A report, required under the Enhance Place Mine Consent, that presented options on the final land use and ownership of the Glen Davis Recreation Trust area at the Enhance Place Mine has been presented (in 2015) to the Lithgow City Council and other relevant stakeholders. This Consent Condition is now satisfied, and the final decision on land use rests with the relevant authorities.

### 3 ACTIONS REQUIRED FROM PREVIOUS AEMR

There were no actions noted during the review of the 2021 Enhance Place AEMR as being required in the reporting period.

### 4 MINING OPERATIONS DURING THE REPORTING PERIOD

There were no mining activities undertaken at the Enhance Place Mine during the reporting period as mining ceased on the 29 June 2005. The production and waste summary for 2022 is presented in **Table 3**.

**Table 3** *Production and Waste Summary*

	Production and Waste (cubic metres)		
	Start of Current Reporting Period (Actual)	At end of Current Reporting Period (Actual)	
Topsoil stripped	Nil	Nil	No further Reporting Periods due to Relinquishment
Topsoil used/spread	Nil	Nil	
Waste Rock	Nil	Nil	
Ore	Nil	Nil	
Processing Waste	Nil	Nil	
Product	Nil	Nil	

## 5 REHABILITATION

The locations of rehabilitation domains are shown in **Plan 3, Appendix A**: all rehabilitation objectives have been achieved prior to the commencement of the reporting period and therefore no rehabilitation activities undertaken during the reporting period.

Disturbed and rehabilitated areas at the Enhance Place Mine is summarised in **Table 4**.

**Table 4** Rehabilitation Status Summary

		Area Affected / Rehabilitated (hectares)		
		To Date (Actual)	Last Report: 2022 (Actual)	Future
<b>A: Mine Lease Area</b>				
A1	ML 1422 (expired: 3/12/2018)	7.0	7.0	NA
	ML 1458 (expired: 28/11/2020)	14.0	14.0	
	ML 1520	9.6	9.6	
	Total Mine Lease(s) area <sup>a</sup>	30.6	30.6	
<b>B: Disturbed Areas</b>				
B1	Infrastructure Area	Nil	Nil	NA
B2	Active Mining Area	Nil	Nil	
B3	Waste Emplacements	Nil	Nil	
B4	Tailings Emplacements	n/a	n/a	
B5	Shaped Waste Emplacement	Nil	Nil	
<b>All Disturbed Areas</b>		<b>Nil</b>	<b>Nil</b>	
<b>C: Rehabilitation Progress</b>				
C1	Total Rehabilitated Area	24.2	24.2	NA
<b>D: Rehabilitation on Slopes</b>				
D1	10 to 18 Degrees	1.2	1.2	NA
D2	Greater than 18 Degrees	0.5	0.5	
<b>E: Surface of Rehabilitated Land</b>				
E1	Pasture and Grasses	21.0	21.0	NA
E2	Native Forest / Eucalypt	1.2	1.2	
E3	Plantations and Crops	Nil	Nil	
E4	Other	2.0	2.0	

NA – Due to relinquishment the land owners will bear the responsibility for land management.

## 6 ENVIRONMENTAL PERFORMANCE

Enhance Place Pty Ltd has obtained landowner agreement (Form ESF2<sup>1</sup>) from four (4) of the five (5) private landowners that the rehabilitation adequately meets their expectations. The one landowner that was not prepared to sign Form ESF2 has not been specific in why the rehabilitation was not considered to be adequate on their property.

The rehabilitation objectives for Enhance Place mine have been achieved as described under the MOP (Ref [1]) and independently verified by third party environmental consultants SLR as described in their Rehabilitation and Completion Assessment Report (Ref [2]).

Enhance Place Mine is anticipating relinquishment of all associated Mining Leases in 2023. There is no further environmental monitoring and rehabilitation performance proposed to be completed at the site.

## 7 RELINQUISHMENT OF REHABILITATED LAND

A detailed inspection and assessment of the rehabilitation areas, including the collection of soil samples and analysis for pH, electrical conductivity, major cations, sulphur and nitrate was undertaken in March 2018. The subsequent Rehabilitation and Completion Assessment Report (Ref [2]) indicated soil nutrient levels that satisfied the completion target measures and that the approved rehabilitation objectives and completion criteria specified in the MOP (Ref [1]) have been achieved.

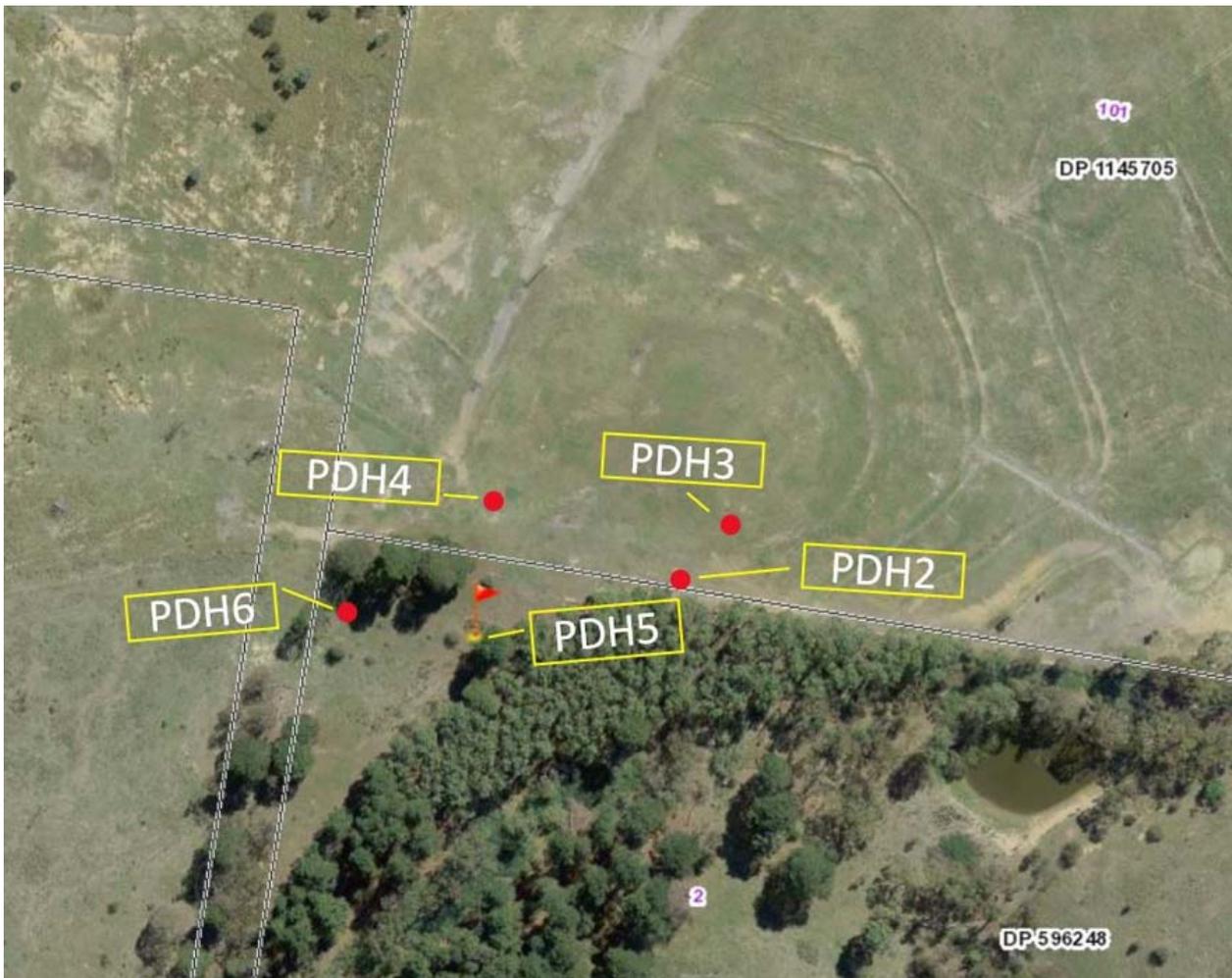
Enhance Place lodged an application to the NSW Resources Regulator to relinquish mining leases (ML 1422<sup>2</sup>, ML 1458<sup>3</sup> and 1520) covering the pasture and treed rehabilitation areas in the 2022 reporting period. Preliminary approval was provided subject to the decommissioning of five (5) groundwater monitoring wells installed as part of Enhance Place operations as shown in **Figure 1** below.

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<sup>1</sup> Form required by NSW Resources Regulator under *Mining Act 1992*, *Petroleum (Onshore) Act 1991* and *Work Health and Safety (Mines and Petroleum Sites) Act 2013* to Seek formal confirmation from the department that rehabilitation has been successful

<sup>2</sup> ML 1422 expired on 3<sup>rd</sup> December 2018

<sup>3</sup> ML 1458 expired on 28<sup>th</sup> November 2020.



**Figure 1** *Location of Five (5) Groundwater Wells to be Decommissioned as Part of Relinquishment Process*

At the time of writing, Enhance Place is co-ordinating with licensed drilling contractors to arrange the decommissioning of the monitoring wells in accordance with the methodology (Ref [3]) recommended by WaterNSW. It is anticipated that works will be completed in 2023.

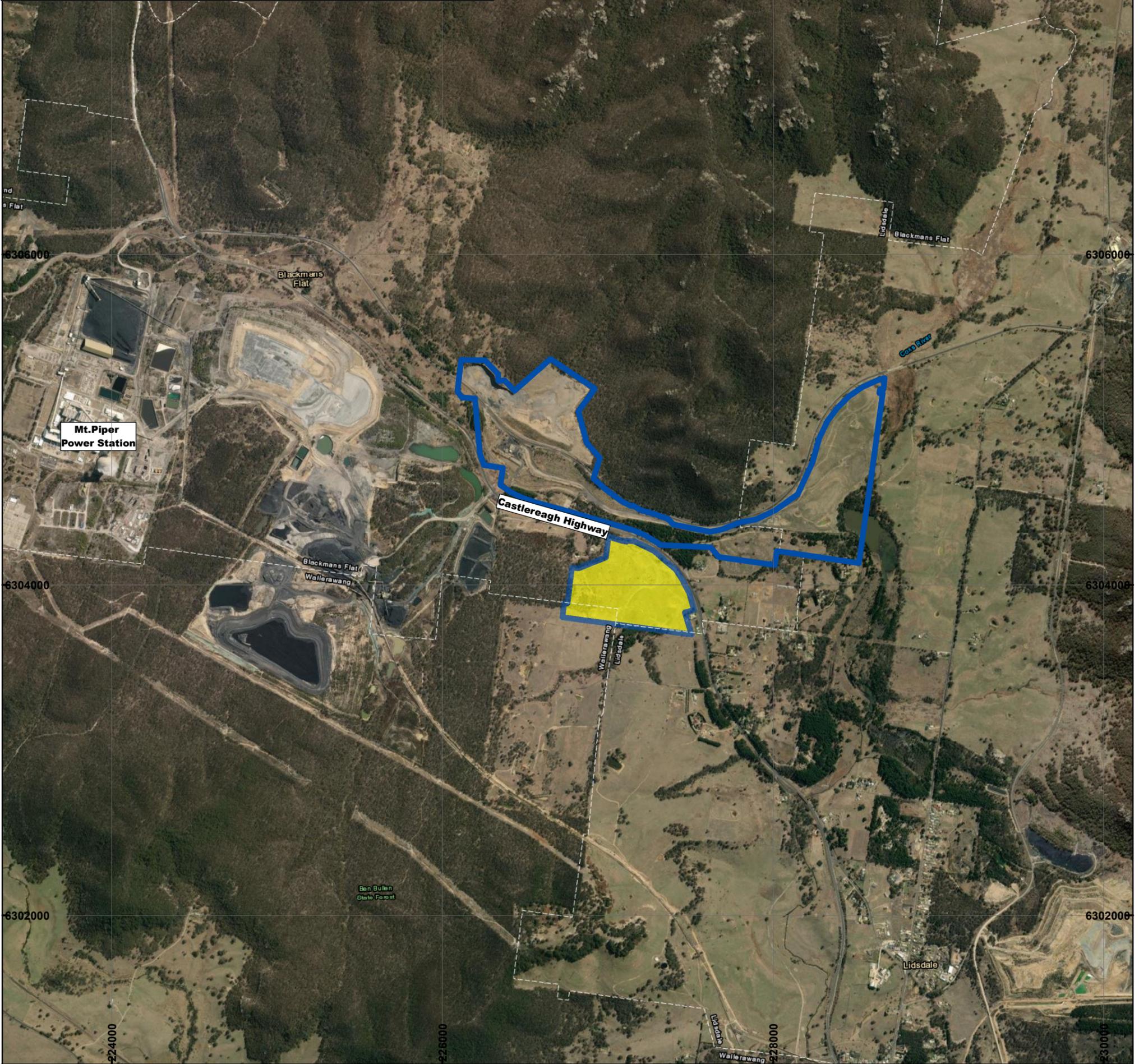
## REFERENCE

- [1] Enhance Place Pty Limited, *Enhance Place Mine Care and Maintenance Mining Operations Plan*, December 2016.
- [2] SLR, *Pine Dale Mine Rehabilitation Completion Assessment*, SLR ref 630.12362-R01, 2018.
- [3] National Uniform Drillers Licensing Committee, *Minimum Construction Requirements or Water Bores in Australia*, Fourth Edition, 2020.

# Appendix A

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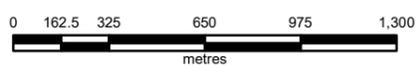
Enhance Place Mine Plans



**LEGEND**

-  Enhance Place Mine
-  Pine Dale Mine

Note: Aerial taken from ArcGis Base Map,  
September 10 2018  
Coordinate System MGA Zone 56



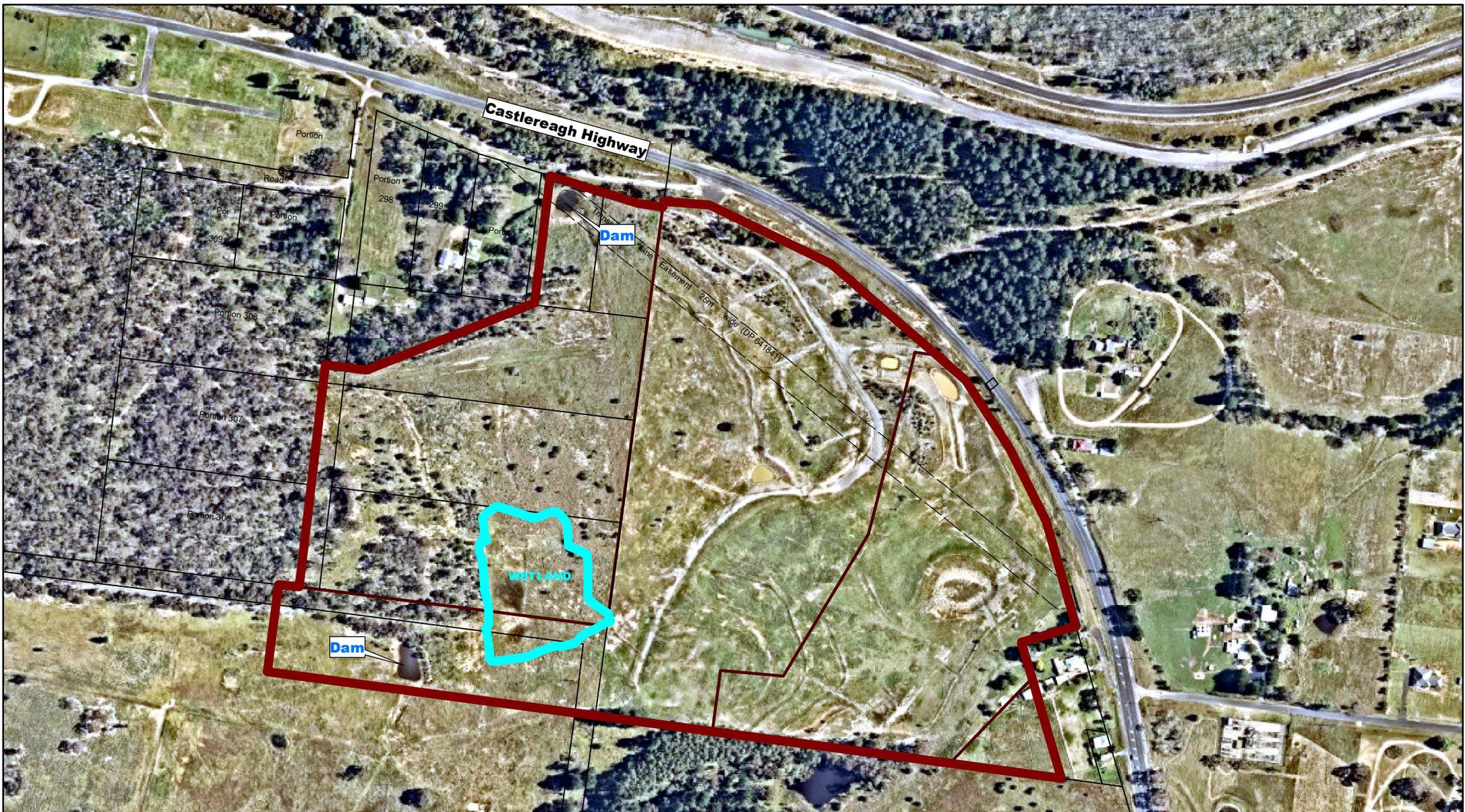
DRAWN BY : F.Brooker

**ENHANCE PLACE MINE  
REGIONAL LOCALITY PLAN**

PLAN:  
1

SCALE: 1:24,000 (A3)

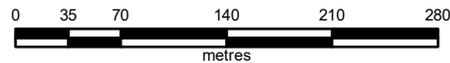
DATE: 24/02/2023



**LEGEND**

- Enhance Place Mine boundary
- Natural features

NOTE: Aerial image taken from Nearmap, 14 January 2021  
 (used in accordance with commercial licence)  
 Drawing adapted from plan supplied by Enhance Place Mine  
 Drawn by Craven, Elliston & Hayes (Lithgow) Pty Ltd  
 Dwg No. ENH-REH, Plan 3, 18-12-13



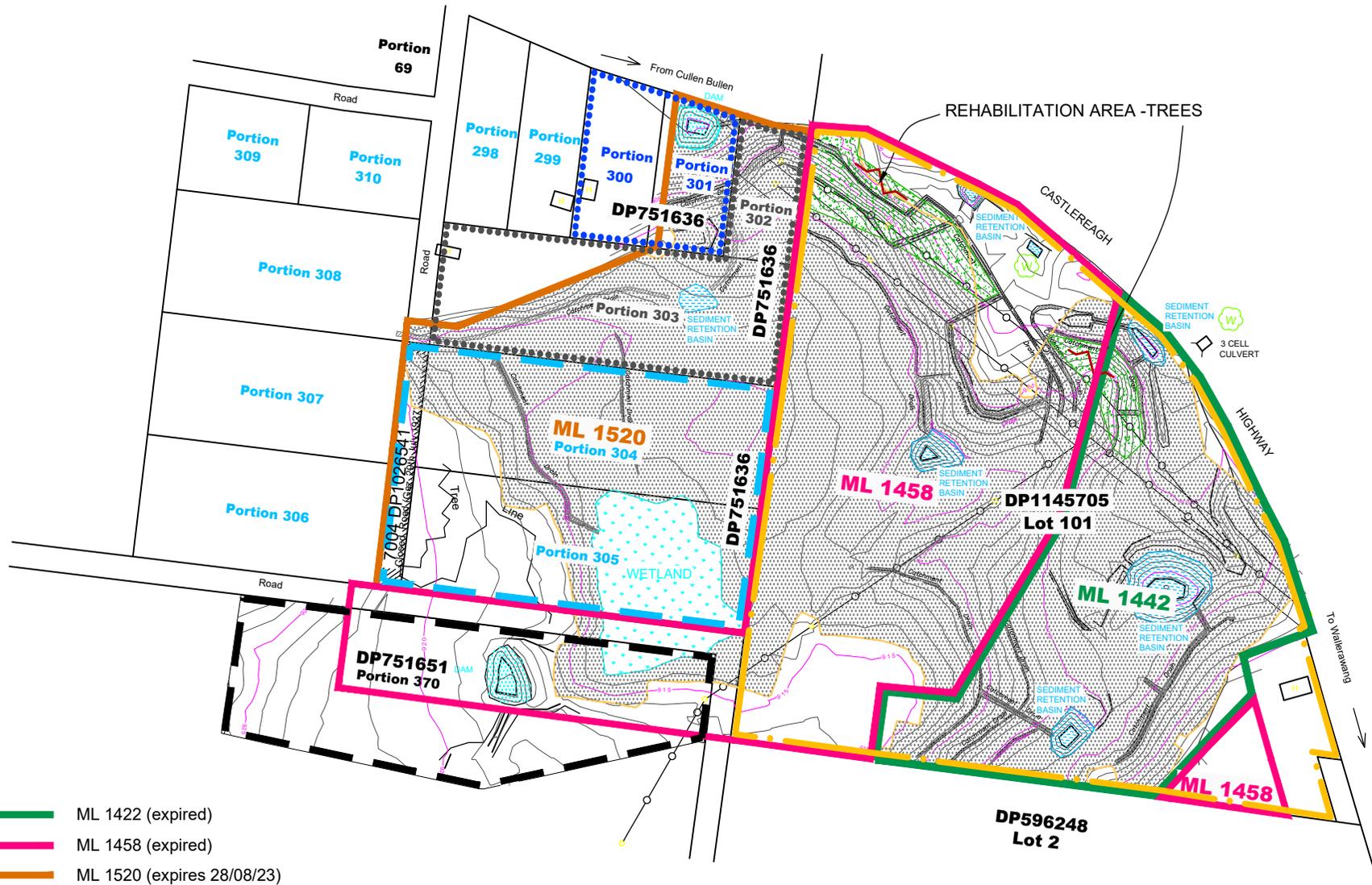
DRAWN BY : F. Brooker

**PRE MINING ENVIRONMENT  
 ENHANCE PLACE MINE  
 BLACKMANS FLAT**

PLAN:  
 1a

SCALE: 1:5,000 (A4)

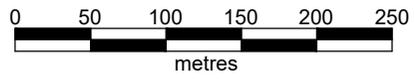
DATE: 24/02/2023



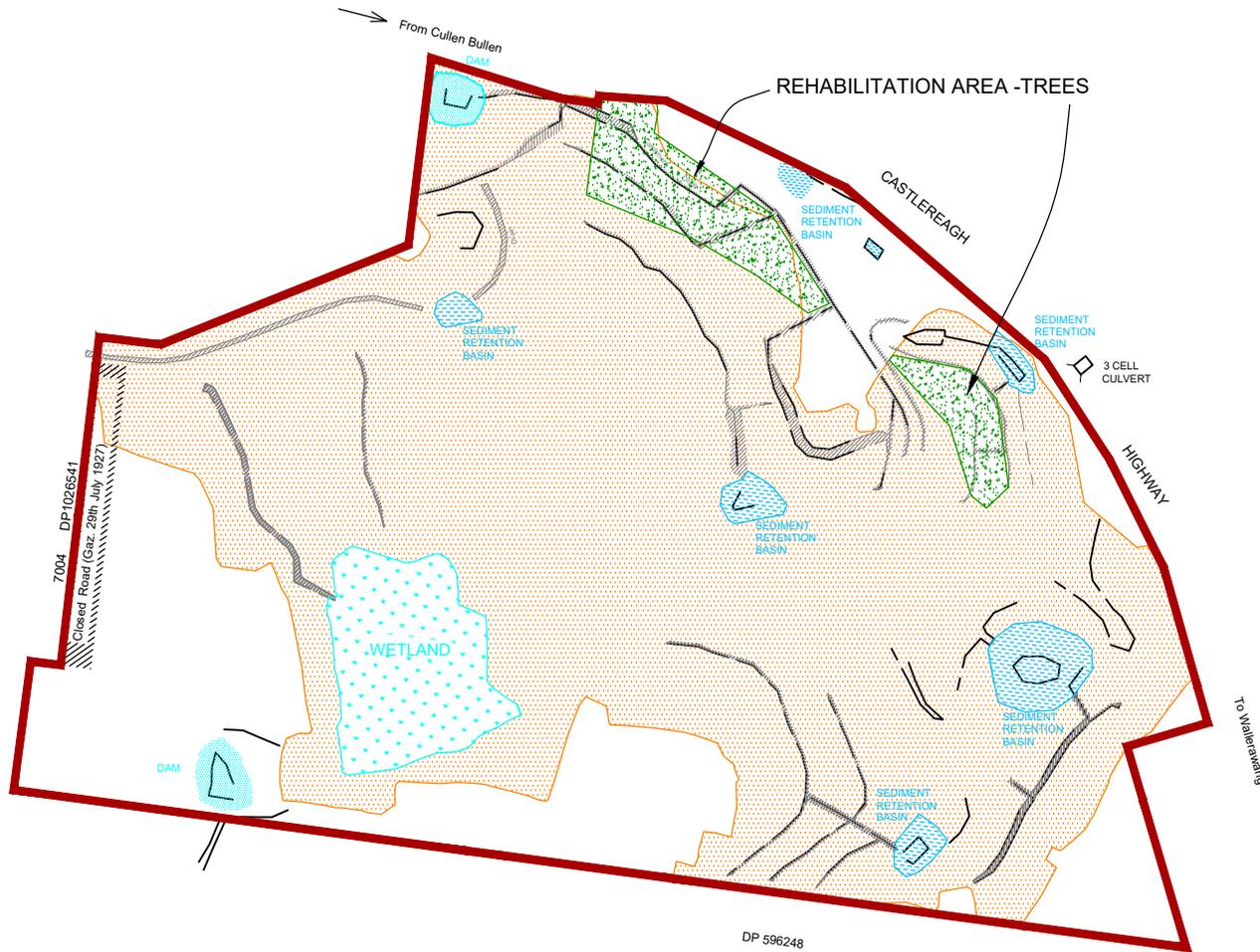
**LEGEND**

- ML 1422 (expired)
- ML 1458 (expired)
- ML 1520 (expires 28/08/23)
- J.M.Cope
- D.J. Hunt
- A.J. Cherry
- A.M.D Thompson
- State of NSW
- Rehabilitation area - trees
- Rehabilitation area - pasture
- Existing dams

**NOTE:** Drawing adapted by RCA from plan supplied by Enhance Place Mine  
 Drawn by Craven, Elliston & Hayes (Lithgow) Pty Ltd  
 Dwg No. ENH-REH, Plan 3, 18-12-13



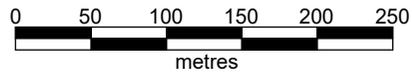
	<b>FINAL REHABILITATION AND POST MINING LAND USE                  ENHANCE PLACE MINE                  BLACKMANS FLAT</b>	PLAN: 2
	DRAWN BY : F.Brooker	SCALE: 1 : 5000 (A4)  DATE: 24/02/2023



**LEGEND**

-  Enhance Place Mine boundary
-  Rehabilitation Area - Pasture
-  Rehabilitation Area - Treed Area
-  Existing dams

**NOTE:** Drawing adapted by plan supplied by Enhance Place Mine  
 Drawn by Craven, Elliston & Hayes (Lithgow) Pty Ltd  
 Dwg No. ENH-REH, Plan 3, 18-12-13



 <p><b>EnergyAustralia</b> LIGHT THE WAY</p>	<p><b>MINE DOMAINS AT COMMENCEMENT OF MOP ENHANCE PLACE MINE BLACKMANS FLAT</b></p>		<p>PLAN: 3</p>
	<p>DRAWN BY : F.Brooker</p>	<p>SCALE: 1 : 5000 (A3)</p>	<p>DATE: 24/02/2023</p>