



Resources
Regulator

ARR0001632

MUSWELLBROOK COAL ANNUAL REHABILITATION REPORT

Wednesday 1 January 2025 to Wednesday 31 December 2025

Summary table

Detail	
Mine	Muswellbrook Coal
Reference	ARR0001632
Annual report period commencement date	Wednesday 1 January 2025
Annual report period end date	Wednesday 31 December 2025
Forward program	FWP0001726
Mining leases	ML 1304 (1992), CCL 713 (1973), ML 1562 (1992)
Lease holder(s)	Muswellbrook Coal Company Ltd
Contact	Jill Johnson
Date of submission	Tuesday 17 March 2026
Document URL	https://idemitsu.com.au/mining/operations/muswellbrook-site/

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Important

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Mine Details

Project description

MCC operates the Muswellbrook Open Cut Coal Mine, located approximately 3km to the north-east of Muswellbrook in NSW. MCC is a wholly owned subsidiary of Idemitsu Australia Pty Limited (IA). In 2003, DA 205/2002 was granted by Muswellbrook Shire Council (MSC) to extend the former MCC No.1 Open Cut. This commenced in March 2005 with a capacity to produce up to 2,000,000 tonnes coal per annum with mining operations approved until end of 2022. A modification was granted in December 2022 for the storage, handling and transport of coal to continue until end of March 2023. A modification was granted on 27 February 2024 to align rehabilitation requirements with updated mining lease conditions, to allow the removal of land associated with the Muswellbrook Bypass and other administrative changes. DA 2022/80 was issued in 2023 by MSC for contamination remediation works at the No. 1 Colliery Pit Top. DA 78-92 No.2 OC Extension and DA 18-88 – Coal Haulage were relinquished by MSC during 2025.

Life of mine

0 years

Current development consents, leases and licences

Development consents granted under the *Environmental Planning and Assessment Act 1979*

DA205/2002
DA205/2002
DA205/2002
DA205/2002
DA205/2002
DA205/2002
DA205/2002
DA205/2002
DA205/2002

Authorisations covering the mining area granted under the *Mining Act 1992*

ML 1304 (1992), CCL 713 (1973), ML 1562 (1992)

Any other approvals, licences, or authorities issued by government agencies that are relevant to the progress of mining operation and rehabilitation activities

DA 2022/80 Water Licences WAL39806, WAL41503 and WAL41521 Environment Protection Licence 656

Summary of the scope and/or purpose of the new applications or modifications to existing approvals (if applicable)

Partial relinquishment of CCL 713 and ML 1562 was completed in 2025 as part of the Muswellbrook Bypass Project.

Changes to land ownership and land use

There were no changes to land ownership during the reporting period. Land use remained the same, except for the areas relinquished in

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CCL 713 and ML 1562 as part of the Muswellbrook Bypass Project.

Surface disturbance and rehabilitation activities during the reporting period

Surface disturbance and rehabilitation activities that were conducted and an analysis of the progress against the rehabilitation schedule

Coal mining at MCC was completed in November 2022 and coal haulage from site was completed in March 2023. No further coal mining activities are proposed at MCC. Activities on site during this reporting period have focused on rehabilitation of the site. The areas that were proposed to be rehabilitated this reporting period are shown in Figure 1 (dark green polygon). All proposed areas were rehabilitated except for the No.1 Colliery Pit Top area (DA 80/2022) and an access track that will be used to access areas for rehabilitation in 2026. Works were substantially completed at the No. 1 Colliery Pit Top during the reporting period and will be finalised in the next reporting period. The access track that was not rehabilitated during the reporting period will be rehabilitated during the next reporting period.

Rehabilitation planning activities that were conducted, including any specialist studies

During the reporting period, MCC continued with a series of studies relating to mine closure. The studies are being undertaken in consultation with Subject Matter Experts (SMEs) and include rehabilitation activities and other activities relating to mine relinquishment. The outcomes of these studies that are applicable to the ongoing rehabilitation of the site will be included in future revisions of the Rehabilitation Management Plan (RMP). No changes were made to the RMP this reporting period as a result of the mine closure studies.

Overview of subsidence repair and/or remediation works undertaken

Subsidence is not expected to impact on areas of rehabilitation. Historical bord and pillar underground mining has been undertaken at the site, which typically results in minimal subsidence therefore the risk of impact to rehabilitation is considered very low. No

subsidence repair and/or remediation was required during the reporting period.

Overview of rehabilitation management and maintenance activities

Minimal rehabilitation management and maintenance activities were required this reporting period. The activities were generally limited to weed control. No feral animal control was undertaken.

Details of any rehabilitation actions taken as required by any letters, notices or directions issued by government agencies, including the Resources Regulator

In June 2022, MCC received a Notice under the Mining Act 1992 section 240 from the Resources Regulator. This resulted from a site inspection in March 2022 where concerns were raised about erosion previously identified in April 2021 and in the 2021 Independent Environmental Audit. The Notice directed MCC to assess long-term erosional stability of the final landform, using Landform Evolution Modelling (LEM). This assessment was completed during a previous reporting period. A recommendation from the initial assessment was to redo the LEM for the proposed water structures in Open Cut 1. This reassessment was to be completed during the previous reporting period, however, was not due to changes to the final landform and proposed water management structures in Open Cut 1. The changes were not completed during the previous reporting period or this reporting period, so the LEM could not be completed. This will be completed in the next reporting period. The NSW Resources Regulator completed two Targeted Assessment Program (TAP) inspections during the reporting period. A Revegetation TAP inspection was undertaken on 6 March 2025, and a Landform Establishment TAP inspection was undertaken on 10 June 2025. The recommendations from the Revegetation TAP have been completed. MCC provided an action plan to the NSW Resources Regulator in response to the Landform Establishment TAP and continues to implement these actions in consultation with the NSW Resources Regulator.

Details of any rehabilitation areas that have achieved the final land use

There are no areas at MCC that have achieved final land use.

Key production milestones

MATERIAL	UNIT	FWP0001726 YEAR1	THIS REPORT
Stripped topsoil (if applicable)	(m ³)	0	0
Rock/overburden	(m ³)	0	0
Ore	(Mt)	0	0
Reject material¹	(Mt)	0	0
Product	(Mt)	0	0

¹This includes coarse rejects, tailings and any other wastes resulting from beneficiation.

Disturbance and rehabilitation statistics

Current disturbance and rehabilitation progression

ELEMENT		UNIT	THIS REPORT
A1	Total disturbance footprint - surface disturbance	(ha)	615.07
B	Total active disturbance	(ha)	27.79
C	Rehabilitation - land preparation	(ha)	0
D	Ecosystem and land use establishment	(ha)	251.99
E	Ecosystem and land use development	(ha)	335.29
F	Rehabilitation completion	(ha)	0

Rehabilitation key performance indicators (KPIs)

ELEMENT		UNIT	THIS REPORT
G	New disturbance area	(ha)	-6.42
H	New rehabilitation commenced during annual reporting period	(ha)	102.55
I	Established rehabilitation	(ha)	335.29
J	Annual rehabilitation to disturbance ratio	%	-15.97
K	Rehabilitated land to total mine footprint	%	54.51

Progressive achievement of established rehabilitation

	ELEMENT	UNIT	THIS REPORT
L	Established rehabilitation for agricultural final land uses	%	66.86
M	Established rehabilitation for native ecosystem final land uses	%	32.47
N	Established rehabilitation for other/non-vegetated final land uses	%	0.15

Variation to the rehabilitation schedule

Identify the components of the most recent forward program that were not achieved

The following two variations to the rehabilitation schedule occurred during the reporting period: • Delay in completion of the remediation and rehabilitation works at the No. 1 Colliery Pit Top (DA 80/2022). The rehabilitation will now be completed in 2026. • One access track that was proposed to be rehabilitated remains in use. It will be rehabilitated once the northern dams area is rehabilitated in the next reporting period. The areas that were proposed to be rehabilitated this reporting period are shown in Figure 1 (dark green polygon). All proposed areas were rehabilitated except for the No.1 Colliery Pit Top area (DA 80/2022) and an access track that will be used to access areas for rehabilitation in 2026. Works were substantially completed at the No. 1 Colliery Pit Top during the reporting period and will be finalised in the next reporting period. The access track that was not rehabilitated during the reporting period will be rehabilitated during the next reporting period.

Key factors that delayed progressive rehabilitation

The delay in completion of No. 1 Colliery Pit Top rehabilitation was a result of contract delays and earthworks being affected by weather. The access track that was proposed to be rehabilitated on the main mine site was not rehabilitated as it is required for access to dams that are scheduled for rehabilitation in 2026.

Outline actions that will be included in the forward program and carried out to minimise disturbance and undertake progressive rehabilitation as far as reasonably practical

The remaining rehabilitation actions are included in the Forward Program and are on track to be completed in the next reporting period. As mining has ceased, only small areas of disturbance are required to allow for final shaping, rehabilitation and maintenance.

Rehabilitation monitoring and research findings

Rehabilitation monitoring

The rehabilitation monitoring carried out in the annual reporting period

Based on the results of the reporting period, Rehabilitation woodland sites are performing well with species assemblages containing more than the minimum 25% of species being characteristic of the Vegetation Classes and TECs within the region. All sites also recorded native overstory species that occur in PCTs and associated TECs within the region and are in the recommended species in Table 10 of the RMP (MCC 2025). Rehabilitation pasture sites are performing well. Overall, ground cover was good with all sites above the minimum >50% ground cover required. All sites were above the minimum 1500 kg/ha herbage mass. Rainfall is likely to have played a part in the increased overall pasture cover and herbage mass, with 2025 recording approximately 671 mm in the year leading up to the Spring monitoring event. All the Rehabilitation pasture sites carry more herbage biomass than the minimum (900kg DM/ha) required for sustainable grazing. The species composition showed that vegetative cover was dominated by desirable and palatable pasture species. Generally, there was little active erosion occurring within the rehabilitation woodland or pasture sites. No active gully erosion (>300mm deep) was observed. Vegetative cover is moderate to high in most areas and provides adequate resistance to erosion.

Status of performance against rehabilitation objectives and rehabilitation completion criteria

The monitoring program that has been implemented

Monitoring was amended during the reporting period to better align with the proposed completion criteria that were submitted in May 2025 and are pending approval from the NSW Resources Regulator. The Rehabilitation Monitoring Report demonstrated that overall,

the rehabilitation areas are performing well. When the results were compared to relevant completion criteria, all met target.

Are all rehabilitation areas in Landform Establishment phase or higher represented in the monitoring program to assess performance against the rehabilitation objectives and approved or, if not yet approved rehabilitation completion criteria and final landform and rehabilitation plan?

Yes

Year rehabilitation areas will be included as part of the monitoring program

An appraisal of whether rehabilitation is moving towards achieving the proposed rehabilitation objectives, approved or, if not yet approved, rehabilitation completion criteria and final landform and rehabilitation plan as soon as reasonably practicable.

The Rehabilitation Monitoring Report demonstrated that overall, the rehabilitation areas are performing well. When the results were compared to relevant completion criteria, all met target.

Appraisal description

Rehabilitation is moving towards achieving the final land use as soon as reasonably practicable.

Rehabilitation monitoring program findings

The rehabilitation monitoring program undertaken this year aligns with the program included in the RMP. Monitoring was amended during the reporting period to better align with the proposed completion criteria that were submitted in May 2025 and are pending approval from the NSW Resources Regulator. Woodland Summary • All the Rehabilitation woodland areas met the required completion criteria targets for characteristic species assemblage, priority and HTE weed burden cover and evidence of characteristic species seedlings. • Rehabilitation woodland areas met the required completion criteria target for litter, tree, forb and grass foliage cover. • Monitoring confirms that multiple native fauna species including ground-dwelling and arboreal mammals, woodland birds and microbats are utilising rehabilitation woodlands across MCC and that various fauna habitats are available for use by these species. • Little

significant active erosion occurring, no immediate action is required. Pasture Summary • All the Rehabilitation pasture areas met the required completion criteria targets for groundcover, herbage biomass, priority weed burden and pasture composition (pasture quality). • Weed management is recommended to reduce the priority weed burden for Coolatai Grass at RP1 and RP4, Galenia at RP1 and RP8, African Lovegrass at RP1 and RP6, and Fireweed at all Rehabilitation pasture areas. • Little significant active erosion occurring, no immediate action is required.

Performance issues and their causes including identification of any knowledge gaps that must be addressed

The Rehabilitation Monitoring Report identified that targeted weed management is required in the pasture rehabilitation areas.

Outcomes of rehabilitation research and trials

RRT NUMBER	PROJECT/TRIAL NAME	OBJECTIVE OF TRIAL/PROJECT	METHODOLOGY	EXPECTED DATE OF COMPLETION	STATUS	ON TRACK?
RRT0001161	Landform Evolution Modelling – Open Cut 1	Identify erosional stability of rehabilitation areas in Open Cut 1	SIBERIA Landform Evolution Model	31 Dec 2026	Ongoing	Yes
RRT0001039	Landform Evolution Modelling	To assess the long term erosional stability of the approved final landform.	An assessment using an industry accepted Landscape Evolution Model will be used to determine the long-term erosional behaviour of the site.	21 Feb 2024	Complete	Yes

Outcomes of completed trials and research

N/A

Attachment 1 - Reporting Definitions

REPORTING CATEGORY		DEFINITION
A1	Total disturbance footprint - surface disturbance	<p>All areas within a mining lease that either have at some point in time or continue to pose a rehabilitation liability due to surface disturbance activities.</p> <p>The total disturbance footprint is the sum of the total active disturbance, decommissioning, landform establishment, growth medium development, ecosystem and land use establishment, ecosystem and land use development and rehabilitation completion (see definitions below).</p> <p>Underground mining operations should not include the footprint of underground mining areas/subsidence management areas in the total disturbance footprint.</p>
A2	Underground Mining Area	Underground mining operations areas/subsidence management areas.
B	Total active disturbance	Includes on-lease exploration areas, stripped areas ahead of mining, infrastructure areas, water management infrastructure, sewage treatment facilities, topsoil stockpile areas, access tracks and haul roads, active mining areas, waste rock emplacements (active/unshaped/in or out-of-pit), tailings dams (active/unshaped/uncapped) and temporary stabilised areas (e.g. areas sown with temporary cover crops for dust mitigation and temporary rehabilitation).
C	Rehabilitation - land preparation	Includes the sum of all disturbed land within a mining lease that have commenced any, or all, of

	REPORTING CATEGORY	DEFINITION
		<p>the following phases of rehabilitation - decommissioning, landform establishment and growth medium development.</p> <p>Refer to the glossary of terms in this document for the definition of these phases of rehabilitation.</p>
D	Ecosystem and land use establishment	<p>Includes the area which has been seeded/planted with the target vegetation species for the intended final land use. However, vegetation has not matured to a stage where it can be demonstrated that it will be sustainable for the long term and or require only a maintenance regime consistent with target reference/analogue sites.</p> <p>Typically, rehabilitation areas would be in this phase for at least two years (and usually more) before rehabilitation can be classified as being in the ecosystem and land use development phase. This phase does not apply to infrastructure areas that are being retained as part of final land use for the site.</p>
E	Ecosystem and Land Use Development	<p>Rehabilitation has matured to a level where target revegetation outcomes are on a trajectory towards meeting the final rehabilitation objectives and rehabilitation completion criteria (as verified by monitoring).</p> <p>This phase includes infrastructure areas that are to be retained for an approved post mining land use, following completion of all necessary measures to render the infrastructure fit for this purpose (for example structural integrity).</p>

REPORTING CATEGORY		DEFINITION
F	Rehabilitation Completion	The Resources Regulator has determined in writing that the mining area has achieved the approved rehabilitation objectives and approved rehabilitation completion criteria and final landform and rehabilitation plan following the submission of Form: <i>Rehabilitation completion and/or review of rehabilitation cost estimate and/or notification of mine or petroleum site closure</i> .
G	New active disturbance area	The area of any new active disturbance that has been created during the annual reporting period (definition A1 in Table 5).
H	New rehabilitation commenced during annual reporting period	The sum of any new rehabilitation commenced in the annual reporting period. These areas may be in the rehabilitation land preparation phase or the ecosystem & land use establishment phase (definitions C and D in Table 5).
I	Established rehabilitation (hectares)	The total area of land that is verified to be within either the ecosystem and land use development phase or the rehabilitation completion phase (definitions E & F in Table 5).
J	Annual rehabilitation to disturbance ratio	The rehabilitation to disturbance ratio (H/G) indicates how many hectares of new rehabilitation are undertaken for each hectare of land disturbed during the year. A ratio of 1/1 indicates that the area of new rehabilitation and disturbance in that year are the same.
K	% Rehabilitated land to total mine footprint	The proportion of the total mine footprint (area of land that has been disturbed by past or present surface disturbance activities) that has established rehabilitation ($I/A1 \times 100$). For open cut mining, the proportion of the total mine footprint verified to be "established rehabilitation" should substantially increase as an operation progresses towards mine closure.

REPORTING CATEGORY		DEFINITION
L	Established rehabilitation for agricultural final land uses (hectares)	The percentage of total area of land that is verified to be within either the ecosystem and land use development phase or the rehabilitation completion phase (definitions E & F in Table 5) that have been returned to an agricultural final land use.
M	Established rehabilitation for native ecosystem final land uses (hectares)	The percentage of total area of land that is verified to be within either the ecosystem and land use development phase or rehabilitation completion phase (definitions E & F in Table 5) that have been returned to native ecosystem final land use.
N	Established rehabilitation for other/non-vegetated final land uses (hectares)	The percentage of total area of land that is verified to be within either the ecosystem and land use development phase or the rehabilitation completion phase (definitions E & F in Table 5) that have been returned to other/non-vegetated final land use.

Attachment 2 - Definitions

WORD	DEFINITION
Active	In the context of rehabilitation, land associated with mining domains is considered 'active' for the period following disturbance until the commencement of rehabilitation.
Active mining phase of rehabilitation	In the context of rehabilitation, the active mining phase of rehabilitation constitutes the rehabilitation activities undertaken during mining operations such as salvaging and managing soil resources, salvaging habitat resources, and native seed collection. This phase also includes management actions taken during operations to manage risks to rehabilitation and enhance rehabilitation outcomes such as selective handling of waste rock and management of tailings emplacements.
Analogue site	In the context of rehabilitation, an analogue site is a 'reference site' that represents an example of the defining characteristics (such as vegetation composition and structure or agricultural productivity) of the final land use. Characteristics of analogue sites can be assessed to develop the rehabilitation objectives and completion criteria for final land use domains.
Annual rehabilitation report and forward program	As described in the Mining Regulation 2016.
Annual reporting period	As defined in the Mining Regulation 2016.
Closure	A whole-of-mine-life process, which typically culminates in the relinquishment of the mining lease. It includes decommissioning and rehabilitation to achieve the approved final land use(s).

WORD	DEFINITION
Decommissioning	The process of removing mining infrastructure and removing contaminants and hazardous materials.
Decommissioning Phase of Rehabilitation	Activities associated with the removal of mining infrastructure and removal and/or remediation of contaminants and hazardous materials. In the context of the rehabilitation management plan this phase of rehabilitation may also include studies and assessments associated with decommissioning and demolition of infrastructure or works carried out to make safe or 'fit for purpose' built infrastructure to be retained for future use(s) following lease relinquishment.
Department	Department of Primary Industries and Regional Development.
Disturbance	See Surface Disturbance.
Disturbance area	<p>An area that has been disturbed and that requires rehabilitation.</p> <p>This may include areas such as on-licence exploration areas, stripped areas ahead of mining, infrastructure areas, water management infrastructure, sewage treatment facilities, topsoil stockpile areas, access tracks and haul roads, active mining areas, waste emplacements (active/unshaped/in or out-of-pit), tailings dams (active/unshaped/uncapped), and areas requiring rehabilitation that are temporarily stabilised (i.e. managed to minimise dust generation and/or erosion).</p>
Domain	An area (or areas) of the land that has been disturbed by mining and has a specific operational use (mining domain) or specific final land use (final land use domain). Land within a domain typically has similar geochemical and/or geophysical characteristics and therefore requires specific rehabilitation

WORD	DEFINITION
	activities to achieve the associated final land use.
Ecosystem and Land Use Development	<p>This phase of rehabilitation consists of the activities to manage maturing rehabilitation areas on a trajectory to achieving the approved rehabilitation objectives and completion criteria.</p> <p>For vegetated land uses this phase may include processes to develop characteristics of functional self-sustaining ecosystems, such as nutrient recycling, vegetation flowering and reproduction, and increasing habitat complexity, and development of a productive, self-sustaining soil profile.</p> <p>This phase of rehabilitation may include specific vegetation management strategies and maintenance such as tree thinning, supplementary plantings and weed management.</p>
Ecosystem and Land Use Establishment	<p>This phase of rehabilitation consists of the processes to establish the approved final land use following construction of the final landform.</p> <p>For vegetated land uses this rehabilitation phase includes establishing the desired vegetation community and implementing land management activities such as weed control. This phase of rehabilitation may also include habitat augmentation such as installation of nest boxes.</p>
Exploration	Has the same meaning as that term under the State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.
Final landform and rehabilitation plan	As defined in the Mining Regulation 2016.

WORD	DEFINITION
Final land use	As defined in the Mining Regulation 2016.
Form and way	Means the form and way approved by the Secretary. Approved form and way documents are available on the department's website.
Growth Medium Development	<p>This phase of rehabilitation consists of activities required to establish the physical, chemical and biological components of the substrate required to establish the desired vegetation community (including short lived pioneer species).</p> <p>This phase may include spreading the prepared landform with topsoil and/or subsoil and/or soil substitutes, applying soil ameliorants to enhance the physical, chemical and biological characteristics of the growth media, and actions to minimise loss of growth media due to erosion.</p>
Habitat	Has the same meaning as that term under the Biodiversity Conservation Act 2016 and the Fisheries Management Act 1994 (as relevant).
Indicator	An attribute of the biophysical environment (e.g. pH, topsoil depth, biomass) that can be used to approximate the progression of a biophysical process. It can be measured and audited to demonstrate (and track) the progress of an aspect of rehabilitation towards a desired completion criterion (i.e. defined end point). It may be aligned to an established protocol and used to evaluate changes in a system.
Land	As defined in the Mining Act 1992.

WORD	DEFINITION
Landform Establishment	<p>This phase of rehabilitation consists of the processes and activities required to construct the final landform.</p> <p>In addition to profiling the surface of rehabilitation areas to the approved final landform profile this phase may include works to construct surface water drainage features, encapsulate problematic materials such as tailings, and prepare a substrate with the desired physical and chemical characteristics (e.g. rock raking or ameliorating sodic materials).</p>
Large mine	As defined in the Mining Regulation 2016.
Lease holder	The holder of a mining lease.
Life of mine	The timeframe of how long a mine is approved to mine, from commencement to closure.
Mine rehabilitation portal	<p>Means the Resources Regulator's online portal that lease holders must use (via a registered account) to:</p> <ul style="list-style-type: none"> ▪ upload rehabilitation geographical information system (GIS) spatial data ▪ develop rehabilitation GIS spatial data (using online tracing functions) ▪ generate rehabilitation plans and rehabilitation statistics using the map viewer and Rehabilitation Key Performance Indicator functionalities. <p>Data submitted to the mine rehabilitation portal is collated in a centralised geodatabase for use by</p>

WORD	DEFINITION
	the Resources Regulator to regulate rehabilitation performance of lease holders.
Mining area	As defined in the Mining Act 1992.
Mining domain	A land management unit with a discrete operational function (e.g. overburden emplacement), and therefore similar geophysical characteristics, that will require specific rehabilitation treatments to achieve the final land use(s).
Mining land	As defined in the Mining Act 1992.
Native vegetation	Has the same meaning as that term under section 60B of the Local Land Services Act 2013.
Overburden	Material overlying coal or a mineral deposit.
Performance indicator	An attribute of the biophysical environment (for example pH, slope, topsoil depth, biomass) that can be used to demonstrate achievement of a rehabilitation objective. It can be measured and audited to demonstrate (and track) the progress of an aspect of rehabilitation towards a desired completion criterion, that is, a defined end point. It may be aligned to an established protocol and used to evaluate changes in a system.
Phases of rehabilitation	The stages and sequences of actions required to rehabilitate disturbed land to achieve the final land use. The phases of rehabilitation are:

WORD	DEFINITION
	<ul style="list-style-type: none"> ▪ active mining ▪ decommissioning ▪ landform Establishment ▪ growth medium development ▪ landform Establishment ▪ ecosystem and land use establishment ▪ ecosystem and land use development
Progressive rehabilitation	The progress of rehabilitation towards achieving the approved rehabilitation completion criteria. This may be described in terms of domains, phases, performance indicators and rehabilitation completion criteria.
Rehabilitation Completion	The final phase of rehabilitation when a rehabilitation area has achieved the approved rehabilitation objectives and rehabilitation completion criteria for the final land use. Rehabilitation areas may be classified as complete when the Resources Regulator has determined in writing that the relevant rehabilitation obligations have been fulfilled following submission of <i>Form ESF2 Rehabilitation completion and/or review of rehabilitation cost estimate application</i> by the lease holder.
Rehabilitation Completion criteria	As defined in the Mining Regulation 2016.
Rehabilitation cost estimate	As defined in the Mining Regulation 2016.

WORD	DEFINITION
Rehabilitation management plan	As defined in the Mining Regulation 2016.
Rehabilitation objectives	As defined in the Mining Regulation 2016.
Rehabilitation risk assessment	As defined in the Mining Regulation 2016.
Rehabilitation schedule	The defined timeframes for progressive rehabilitation set out in the forward program.
Relevant stakeholders	<p>Means any persons or bodies who may be affected by the mining operations, including rehabilitation, carried out on the lease land, and includes:</p> <ul style="list-style-type: none"> ▪ the relevant development consent authority ▪ the local council ▪ the relevant landholder(s) ▪ community consultative committee (if required under the development consent) or equivalent consultative group ▪ affected land holder(s) ▪ government agencies relevant to the final land use ▪ affected infrastructure authorities (electricity, telecommunications, water, pipeline, road, rail authorities) ▪ local Aboriginal communities, and ▪ any other person or body determined by the Minister to be a relevant stakeholder in relation to

WORD	DEFINITION
	a mining lease.
Risk	The effect of uncertainty on objectives. It is measured in terms of consequences and likelihood (AS/NZS ISO 31000:2009).
Secretary	The Secretary of the department.
Security deposit	An amount that a mining lease holder is required to provide and maintain under a mining lease condition, to secure funding for the fulfilment of obligations under the lease (including obligations that may arise in the future).
Surface disturbance	Includes activities that disturb the surface of the mining area, including mining operations, ancillary mining activities and exploration.
Tailings	A combination of the fine-grained solid material remaining after the recoverable metals and minerals have been extracted from the mined ore, and any process water ² .
Waste	Has the same meaning as that term under the <i>Protection of the Environment Operations Act 1997</i> .

²Commonwealth of Australia (DITR), 2007. Tailings Management.

Attachment 3 - Rehabilitation Complaints

DATE	COMPLAINANT	COMPLAINT DETAILS	RESPONSE DETAILS	STATUS OF RESPONSE	DATE RESPONSE COMPLETED (IF APPLICABLE)
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Attachment 4 - Stakeholder consultation

DATE	STAKEHOLDER	CONSULTATION ACTIVITIES AND FORMS	MATTERS SUBJECT TO CONSULTATION	ACTIONS TAKEN
1 May 2024	General Community	Newsletter	Update on rehabilitation and mine closure activities included in newsletter.	No action required.
1 Aug 2022	NSW Resources Regulator	Online portal	Submission of Rehabilitation Objectives, Completion Criteria and Final Landform and Rehabilitation Plan to online portal.	No comments have been received by the end of the reporting period.
2 Dec 2023	Community Consultative Committee	Meeting	Update on rehabilitation and mine closure activities included in general presentation.	General discussion during the meeting. No action required.
7 Apr 2022	Community Consultative Committee (CCC)	Meeting	Presentation on mine closure activities.	General discussion on mine closure during the meeting. No action required.
27 Oct 2022	Resources Regulator and Muswellbrook Shire Council	Combined Meeting	Provide an update on mine closure activities.	General discussion during the meeting. No actions from meeting in relation to rehabilitation.
6 Jun 2023	Community Consultative Committee	Meeting	Update on rehabilitation and mine closure activities included in general presentation.	General discussion during the meeting. No action required.

4 Aug 2022	DPE – Environment, Energy and Science (formally OEH)	Letter	Copy of the RMP provided requesting comments.	No comments have been received by the end of the reporting period.
31 May 2022	Community	Newsletter	Information on rehabilitation included in annual community newsletter.	No feedback was received from the community in relation to this information.
6 Dec 2022	Community Consultative Committee (CCC)	Meeting	Update on mine closure activities included in general presentation.	General discussion during the meeting. No action required.
3 Dec 2024	Community Consultative Committee	Meeting	Update on rehabilitation and mine closure activities included in general presentation.	General discussion during the meeting. No action required.
7 Jun 2022	Community Consultative Committee (CCC)	Meeting	Update on mine closure activities included in general presentation.	General discussion during the meeting. No action required.
22 Sep 2022	Community Consultative Committee (CCC)	Presentation via email	Information on Rehabilitation Management Plan included in presentation.	No actions
4 Aug 2022	Community Consultative Committee (CCC)	Letter	Copy of the RMP provided requesting comments.	No comments have been received by the end of the reporting period.
4 Aug 2022	Muswellbrook Shire Council	Letter	Copy of the RMP provided requesting comments.	MSC provided comments on the RMP. MCC has prepared a response to these comments with these comments to be submitted to MSC along a response to comments on a pending consent modification.

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22 Jul 2025	Muswellbrook Shire Council	Meeting	General MCC rehabilitation and closure updates.	No actions required.
22 Mar 2022	Resources Regulator	Site Inspection	Review of rehabilitation progress on site.	A notice was received following this site inspection regarding the requirement to undertake Landform Evolution Modelling. This modelling is due to be completed by the end of January 2023.
4 Jun 2024	Community Consultative Committee	Meeting	Update on rehabilitation and mine closure activities included in general presentation.	General discussion during the meeting. No action required.
3 Sep 2025	Muswellbrook Shire Council	Meeting	General MCC rehabilitation and closure updates.	No actions required.
11 Nov 2025	CCC	Meeting	Update on rehabilitation and mine closure activities included in general presentation.	General discussion during the meeting. No actions required.
14 Feb 2025	Muswellbrook Shire Council	Meeting	General MCC rehabilitation and closure updates.	No actions required.
30 Apr 2025	Muswellbrook Shire Council	Meeting	General MCC rehabilitation and closure updates.	No actions required.
1 May 2025	General Community	Newsletter	Update on rehabilitation and mine closure activities included in newsletter.	No actions required.

MUSWELLBROOK COAL ANNUAL REHABILITATION REPORT

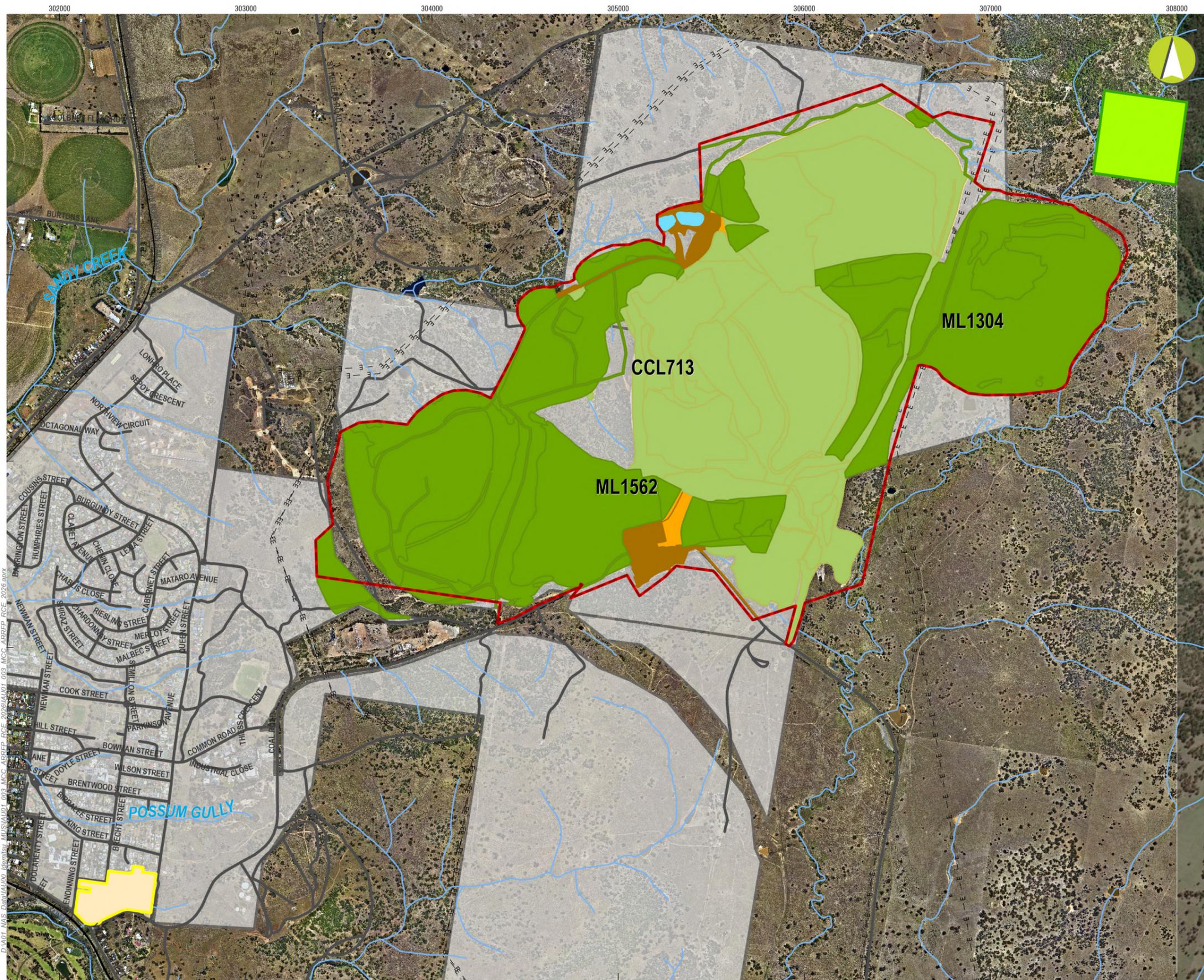
ARR0001632 | Wednesday 1 January 2025 to Wednesday 31 December 2025

3 Jun 2025	CCC	Meeting	Update on rehabilitation and mine closure activities included in general presentation.	General discussion during the meeting. No actions required.
13 Jun 2025	Muswellbrook Shire Council	Meeting	General MCC rehabilitation and closure updates.	No actions required.

Attachment 5 - Plans

Plan 1A attachment not provided.

Plan 1B attachment not provided.



LEGEND

- Project Approval Boundary DA 205/2002
- DA 80/2022
- Road
- Railway
- Waterways
- Electricity Transmission Line
- Biodiversity Offset Area
- Current Authorisations**
- Coal - Current Titles
- Rehabilitation Phase**
- Ecosystem and Land Use Establishment
- Ecosystem and Land Use Development
- Mining Domain Type**
- Domain 1: Infrastructure Area
- Domain 3: Water Management Area
- Domain 4: Overburden Emplacement Area
- Domain 8: Other

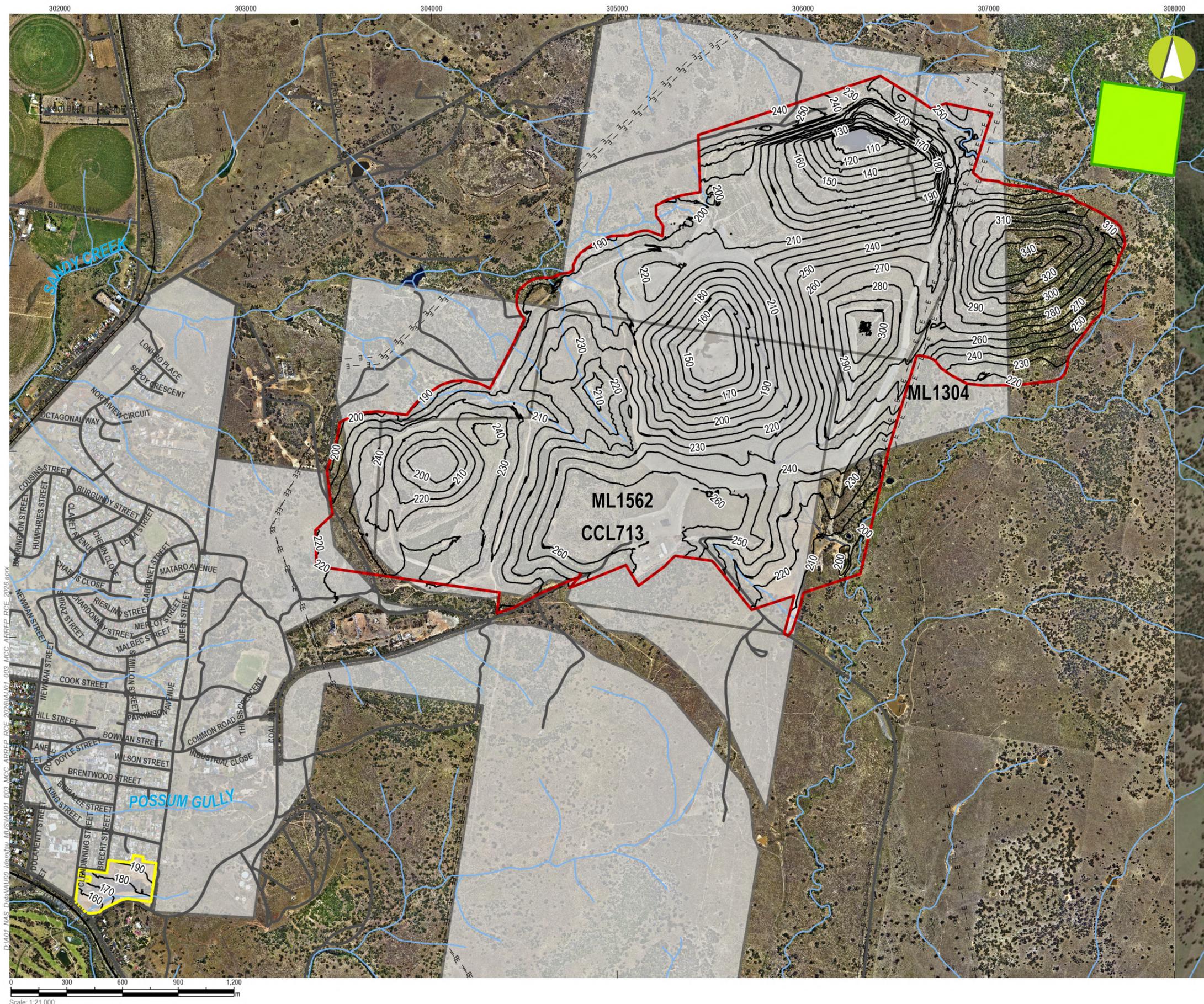
Muswellbrook Coal

Current Status of Mining and Rehabilitation Plan

PLAN 1A

Mine name	Muswellbrook Coal
Plan name	Muswellbrook Coal ARR
Year of anticipated relinquishment	2050
Data theme submission ID No.	11511 and 11512
Spatial Reference	GDA 1994 MGA Zone 56
Plan date (date created)	25/02/2026

Scale: 1:21,000



- LEGEND**
- Project Approval Boundary DA 205/2002
 - DA 80/2022
 - Current Landform Contours (5m)
 - Road
 - Railway
 - Waterways
 - Electricity Transmission Line
 - Biodiversity Offset Area
- Current Authorisations**
- Coal - Current Titles

Muswellbrook Coal

Current Landform Contours

PLAN 1B

Mine name	Muswellbrook Coal
Plan name	Muswellbrook Coal ARR 2022
Year of anticipated relinquishment	2050
Data theme submission ID No.	11516
Spatial Reference	GDA 1994 MGA Zone 56
Plan date (date created)	25/02/2026