

ARR0001197

MARRANGAROO QUARRY ANNUAL REHABILITATION REPORT

Sunday 1 January 2023 to Sunday 31 December 2023

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Summary table

DETAIL	
Mine	Marrangaroo Quarry
Reference	ARR0001197
Annual report period commencement date	Sunday 1 January 2023
Annual report period end date	Sunday 31 December 2023
Forward program	FWP0001123
Mining leases	ML 1801 (1992), PLL 602 (1924), ML 1522 (1992), PLL 584 (1924), ML 6388 (1906), ML 4636 (1906), ML 4635 (1906), MPL 221 (1973)
Lease holder(s)	Metromix Pty Limited
Contact	Scott Hollamby
Date of submission	Tuesday 27 February 2024

Important

The department may make the information in your report and any supporting information available for inspection by members of the public, including by publication on its website or by displaying the information at any of its offices. If you consider any part of your report to be confidential, please communicate this to the department via the message function on this submission within the NSW Resources Regulator Portal.



Mine details

Project description

The Marrangaroo Quartzite Quarry (the Quarry) is located approximately 4km northwest of Lithgow and is owned and operated by Metromix Pty Ltd (the Company). The Quarry currently operates under Development Approval (DA) 090/95 and DA486/01, both granted by Lithgow City Council. It is noted that neither development approval specifies a project life or end date for extraction operations within the Quarry Site. Based on current production rates at the Quarry and the extent of known mineralisation, extraction operations at the Quarry are anticipated to be completed by 2026. However, the identification of further mineralisation or modifications to the current production schedule may result in the actual completion date being extended.

Life of mine

2 years

Current development consents, leases and licences

Development consents granted under the Environmental Planning and Assessment Act 1979

Authorisations covering the mining area granted under the Mining Act 1992

ML 1801 (1992), PLL 602 (1924), ML 1522 (1992), PLL 584 (1924), ML 6388 (1906), ML 4636 (1906), ML 4635 (1906), MPL 221 (1973)

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

EPL1464

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

There were no changes to the status of any approvals for the Quarry during the annual reporting period.

Changes to land ownership and land use

There were no changes to land ownership or land use within the Quarry Site during the annual reporting period.

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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

Quarrying activities have continued to be confined to the extraction of quartzite within the North-South Quarry and have continued to expand into the approved western extension. Additionally, rehabilitation of surface disturbance associated with exploration activities in ML1522 was also undertaken, with each diamond drill hole cased to solid ground and capped beneath the surface. The percussion drill hole was converted to a piezometer for ongoing groundwater monitoring purposes.

Rehabilitation planning activities that were conducted, including any specialist studies

A commencement of investigation letter (dated 8 March 2023) was received from the Resources Regulator in relation to the rock scree located on the western rim of the South-West Quarry. In response, the Company prepared a Rehabilitation Options Review and commissioned Pells Sullivan Meynink Pty Limited to provide advice regarding the stability of the rock scree in the context of the different rehabilitation options. As a result of this review, the Company began seeking information to determine the feasibility of extending the approved North South Quarry to incorporate mining of the rock scree and subsequent rehabilitation as part of the final landform, subject to additional approvals. Results from 3 yearly revegetation monitoring and annual photography undertaken at the Quarry Site show that current revegetation strategies and practices are considered successful, no additional rehabilitation research or trials are currently planned or have been undertaken in this regard. However, options for improvement of soil resources / growth medium will continue to be investigated during the remaining life of the Quarry.

Overview of subsidence repair and/or remediation works undertaken

As no underground operations are conducted as part of the Quarry's operations, no subsidence remediation is required.

Overview of rehabilitation management and maintenance activities

Finer overburden, soil material and available biomass has been placed within areas located east of the North-South Quarry. Spray seeding to supplement the groundcover in these areas and in previous rehabilitation areas has been undertaken to improve revegetation success and to stabilise against erosion. Additionally, following verbal advice from the Resources Regulator during an on-site meeting on 3 April 2023 that Blackberry was present at the base of the rock

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scree located on the western rim of the South-West Quarry, Metromix commissioned Hunter Precision Agriculture to undertake targeted weeding of the rock scree. Weed spraying of the rock scree was conducted on 12 August 2023.

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

A commencement of investigation letter (dated 8 March 2023) was received from the Resources Regulator in relation to the rock scree located on the western rim of the South-West Quarry. In response, the Company prepared a Rehabilitation Options Review and commissioned Pells Sullivan Meynink Pty Limited to provide advice regarding the stability of the rock scree in the context of the different rehabilitation options. As a result of this review, the Company began seeking information to determine the feasibility of extending the approved North South Quarry to incorporate mining of the rock scree and subsequent rehabilitation as part of the final landform, subject to additional approvals. Following verbal advice from the Resources Regulator during an on-site meeting on 3 April 2023 that Blackberry was present at the base of the rock scree located on the western rim of the South-West Quarry, Metromix commissioned Hunter Precision Agriculture to undertake targeted weeding of the rock scree. Weed spraying of the rock scree was conducted on 12 August 2023.

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

No areas within the Quarry Site achieved final land use as defined by clause 6 of Schedule 8A of the Mining Regulation 2016 during the reporting period.

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Key production milestones

MATERIAL	UNIT	FWP0001123 YEAR 1	THIS REPORT
Stripped topsoil (if applicable)	(m³)	400	400
Rock/overburden	(m³)	10,000	10,000
Ore	(Mt)	0.2	0.22
Reject material ¹	(Mt)	0	0
Product	(Mt)	0.2	0.22

 $^{^{\}rm 1}\,{\rm This}$ includes coarse rejects, tailings and any other wastes resulting from beneficiation.



Disturbance and rehabilitation statistics

Current disturbance and rehabilitation progression

Е	LEMENT	UNIT	THIS REPORT
	otal surface disturbance ootprint	(ha)	24.82
ВТ	otal active disturbance	(ha)	19.38
C La	and prepared for rehabilitation	(ha)	0.42
	cosystem and land use establishment	(ha)	4.29
	cosystem and land use levelopment	(ha)	0
F R	Rehabilitation completion	(ha)	0.74

Rehabilitation key performance indicators (KPIs)

	ELEMENT	UNIT	THIS REPORT
G	Total new active disturbance area	(ha)	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
Н	New rehabilitation commenced during annual reporting period	(ha)	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
I	Established rehabilitation	(ha)	0.74
J	Annual rehabilitation to disturbance ratio	%	NA - this value will display after 2nd year ARR submission as calculation relies on comparison between sequential yearly ARR data
K	Rehabilitated land to total mine footprint	%	3



Progressive achievement of established rehabilitation

	ELEMENT	UNIT	THIS REPORT
L	Established rehabilitation - agricultural final land uses	%	0
M	Established rehabilitation - native ecosystem final land uses	%	100
N	Established rehabilitation - other/non-vegetated final land uses	%	0

Variation to the rehabilitation schedule

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

N/A

Key factors that delayed progressive rehabilitation

N/A

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

N/A

Rehabilitation monitoring and research findings

Rehabilitation monitoring

The rehabilitation monitoring carried out in the annual reporting period

Vegetation growth within areas of the Quarry Site undergoing rehabilitation is progressing as expected.

Status of performance against rehabilitation objectives and rehabilitation completion criteria

The monitoring program that has been implemented

Due to the majority of the Quarry Site being operational, only photographic monitoring has been undertaken during the reporting period. Vegetation growth progressed generally as expected. Detailed rehabilitation monitoring will be scheduled following cessation of Quarrying activities and/or once significant rehabilitation activities have progressed.

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?

0

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

2026

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.

Rehabilitation of the Quarry Site has generally been considered to be acceptable, given that the rehabilitation bond for the southern area of PLL584 was released in 2017. Only photographic monitoring has been undertaken during the reporting period. Vegetation growth progressed generally as expected. Detailed rehabilitation monitoring will be scheduled following cessation of Quarrying activities and/or once significant rehabilitation activities have progressed.

Appraisal description

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

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Rehabilitation monitoring program findings

Annual photographic monitoring was conducted by the Company during the reporting period. It is noted the Company was unable to locate monitoring point MARRQ6 during the reporting period as a result of safety concerns and access constraints associated with significant vegetation growth surrounding this area. It is anticipated that this monitoring point will be relocated to areas that are more practical and safer to access during the next reporting period. Formal revegetation monitoring was completed by Aquila Ecological Surveys (Aquila) in January 2022 as part of the of the 3 yearly surveys required by DA 090/95 and the next revegetation monitoring programme is due to be completed in 2024.

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



Outcomes of rehabilitation research and trials

RRT NUMBER	PROJECT/TRIAL NAME	OBJECTIVE OF TRIAL/PROJECT	METHODOLOGY	EXPECTED DATE OF COMPLETION	STATUS	ON TRACK?

A RR0001197

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NSW Resources Regulator

	Outcomes	of com	pleted	trials and	l research
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N/A

Attachment 1 – Reporting Definitions

REPORTING CATEGORY		DEFINITION
A1	Total disturbance footprint – surface disturbance	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.
		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).
		Underground mining operations should not include the footprint of underground mining areas/subsidence management areas in the total disturbance footprint.
A2	Underground Mining Area	Underground mining operations areas/subsidence management areas.
В	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 the following phases of rehabilitation — decommissioning, landform establishment and growth medium development. Refer to the glossary of terms in this document for the definition of these phases of rehabilitation.



REP	ORTING CATEGORY	DEFINITION
D	Ecosystem and land use establishment	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.
		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.
E	Ecosystem and Land Use Development	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).
		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).
F	Rehabilitation Completion	The NSW 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: ESF2 Rehabilitation completion and/or review of rehabilitation cost estimate and/or notification of mine or petroleum site closure.
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).
Н	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).



REP	ORTING CATEGORY	DEFINITION
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.
К	% 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.
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, the active mining phase of rehabilitation the rehabilitation activities undertaken during mining operations such as and managing soil resources, salvaging habitat resources, and native seed. This phase also includes management actions taken during operations to to rehabilitation and enhance rehabilitation outcomes such as selective has waste rock and management of tailings emplacements.					
Analogue site In the context of rehabilitation, an analogue site is a 'reference site' that repart an example of the defining characteristics (such as vegetation composition a structure or agricultural productivity) of the final land use. Characteristics of sites can be assessed to develop the rehabilitation objectives and completion for final land use domains.					
Annual rehabilitation As described in the Mining Regulation 2016. report and forward program					
Annual reporting As defined in the Mining Regulation 2016. period					
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).				
Decommissioning The process of removing mining infrastructure and removing contaminants are 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.				



WORD	DEFINITION				
Department	The Department of Regional NSW.				
Disturbance	See Surface Disturbance.				
Disturbance area	An area that has been disturbed and that requires rehabilitation. 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).				
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 activities to achieve the associated final land use.				
Ecosystem and Land Use Development	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. 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. This phase of rehabilitation may include specific vegetation management strategies and maintenance such as tree thinning, supplementary plantings and weed management.				
Ecosystem and Land Use Establishment	This phase of rehabilitation consists of the processes to establish the approved final land use following construction of the final landform. 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.				
Exploration	Has the same meaning as that term under the State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007.				

WORD	DEFINITION			
Final landform and As defined in the Mining Regulation 2016. rehabilitation plan				
Final land use	As defined in the Mining Regulation 2016.			
Form and way	ans the form and way approved by the Secretary. Approved form and way uments are available on the Department's website.			
Growth Medium Development	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.			
	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.			
Habitat Has the same meaning as that term under the <i>Biodiversity Conservation Act 20</i> the <i>Fisheries Management Act 1994</i> (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 <i>Mining Act 1992</i> .			
Landform Establishment	This phase of rehabilitation consists of the processes and activities required to construct the final landform. 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).			
Large mine	As defined in the Mining Regulation 2016.			
Lease holder	The holder of a mining lease.			



WORD	DEFINITION			
Life of mine	The timeframe of how long a mine is approved to mine, from commencement to closure.			
Mine rehabilitation portal	Means the NSW Resources Regulator's online portal that lease holders must use (via a registered account) to: 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. Data submitted to the mine rehabilitation portal is collated in a centralised geodatabase for use by the NSW Resources Regulator to regulate rehabilitation performance of lease holders.			
Mining area	As defined in the <i>Mining Act 1992</i> .			
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 <i>Mining Act 1992</i> .			
Native vegetation	Has the same meaning as that term under section 60B of the <i>Local Land Services Act</i> 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.			



WORD	DEFINITION				
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: active mining decommissioning landform Establishment growth medium development 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 NSW 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</i> application by the lease holder.				
Rehabilitation Completion criteria	5 5				
Rehabilitation cost estimate	As defined in the Mining Regulation 2016.				
Rehabilitation management plan	As defined in the Mining Regulation 2016.				
Rehabilitation objectives	č č				
Rehabilitation risk assessment	5 5				
Rehabilitation schedule	The defined timeframes for progressive rehabilitation set out in the forward program.				



WORD	DEFINITION			
Relevant stakeholders	Means any persons or bodies who may be affected by the mining operations, including rehabilitation, carried out on the lease land, and includes: 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 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> .			

² Commonwealth 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
5 May 2023	NSW Resources Regulator	Email correspondence in relation to the commencement of investigation letter (LETT0007972) received from the Resources Regulator on 8 March 2023.	Initial outcomes of the Rehabilitation Options Review for the rock scree located on the western rim of the South- West Quarry, and the Company's initial proposed approach to the management of the Blackberry identified at the base of the rock scree.	The Company proceeded with additional investigations (including a geotechnical review) required to finalise the Rehabilitation Options Review form a final approach. The Company also commissioned a weed control contractor to investigate the feasibility of weed spraying of Blackberry at the base of the rock scree.
31 Mar 202 3	NSW Resources Regulator	Email correspondence in relation to the commencement of investigation letter (LETT0007972) received from the Resources Regulator on 8 March 2023.	Discussions with the Resources Regulator in relation to the rehabilitation of the rock scree located on the western rim of the South-West Quarry.	In relation to the response time to make a submission to the commencement of investigation letter, the Company requested a time extension in order to prepare and finalise a Rehabilitation Options Review for the rock scree (including a geotechnical review).
28 Jul 2023	NSW Resources Regulator	Email correspondence in relation to the commencement of investigation letter (LETT0007972) received from the Resources Regulator on 8 March 2023	The Company advised the Resources Regulator regarding their final proposed approach to rehabilitation of the rock scree located on the western rim of the South-West Quarry, and management of the Blackberry identified at the base of the rock scree.	A weed control contractor was commissioned to conduct herbicide spraying of Blackberry at the base of the rock scree, which was conducted by Hunter Precision Agriculture on 12 August 2023 after a detailed risk assessment. Additionally, the Company began seeking information to determine the feasibility of extending the approved North South Quarry to incorporate mining of the rock scree and subsequent rehabilitation as part of the final landform, subject to additional approvals.

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Attachment 5 - Plans

Plan 1A attachment not provided.

Plan 1B attachment not provided.

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