

PRCP schedule

Environmental Protection Act 1994

P-PRCP-100882576 Gurrulmundi Bentonite Mine

This PRCP schedule is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

PRCP schedule: P-PRCP-100882576_V1

PRCP schedule holder

Name	Registered address
Amcol Australia Pty. Ltd. ACN 004 377 155	94 Balham Road, ARCHERFIELD QLD 4108

Location details

Locations
Mining lease (ML) 55007, ML55008, and ML55017

Take effect

In accordance with section 202B of the *Environmental Protection Act 1994* (EP Act), the PRCP schedule has effect on the day the environmental authority for carrying out relevant activities on land to which the schedule relates takes effect. Pursuant to section 202C of the EP Act, a PRCP schedule continues in force until the environmental authority for the relevant activities to which the PRCP schedule relates is cancelled or surrendered, even if the resource tenure expires or is cancelled and even if the relevant environmental authority is suspended under Chapter 5, part 11 or 11A of the EP Act.



Signature

10 February 2026

Date

Juliana McCosker

Department of the Environment, Tourism, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

Minerals Business Centre
PO Box 7230, Cairns QLD 4870
Phone: (07) 4222 5352
Email: ESCairns@detsi.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

Pursuant to section 202E of the EP Act, if there is an inconsistency between an environmental authority and a PRCP schedule, the environmental authority prevails to the extent of the inconsistency.

Pursuant to section 285 of the EP Act:

- the holder of a PRCP schedule must commission an audit of the schedule by a rehabilitation auditor for the following periods (each an audit period) —
 - (a) the 3-year period starting on the day the schedule takes effect
 - (b) each 3-year period starting on the day after the previous audit period ended.
- the holder must, within 4 months after the end of each audit period, give the administering authority -
 - (a) the rehabilitation auditor's report (an audit report) about the audit that complies with section 286 of the EP Act, and
 - (b) a declaration for the audit report that complies with section 285 of the EP Act.

In addition to the requirements found in the conditions of this PRCP schedule, the holder must also meet their obligations under the environmental authority, the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the EP Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443).

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A - Conditions of PRCP schedule
- Section B - Definitions
- Section C - Final site design and reference maps
- Section D - Post mining land uses

1 Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

- it is a condition of this PRCP schedule that, in carrying out a relevant activity under the schedule, the holder must comply with a requirement stated in the environmental authority relevant to carrying out the activity.
- it is a condition of this PRCP schedule that the holder must comply with the following matters stated in the schedule -
 - (a) each rehabilitation milestone
 - (b) when each rehabilitation milestone is to be achieved

General conditions

- PRCP1** Prior to commencing mining disturbance authorised under environmental authority EPML00699113, there must be an associated rehabilitation outcome provided in the relevant PRCP schedule.
- PRCP2** The holder must for each rehabilitation area, achieve the corresponding rehabilitation milestone criterion (milestone reference):
- a) For the cumulative area available specified in this schedule; and
 - b) By the milestone completion date specified in this schedule.
- PRCP3** Where land becomes 'available for rehabilitation' earlier than the date nominated in this schedule, the holder must:
- a) Notify the administering authority in writing within 30 days of the land becoming 'available for rehabilitation'; and
 - b) Describe in the notification why or why not it considers that it would be reasonable and appropriate to amend this schedule; and
 - c) Unless otherwise agreed to by the administering authority in writing, amend this schedule in a way that maximises the progressive rehabilitation to a stable condition in the timeframe specified by the administering authority.

Note:

1. Reference to "earlier than the nominated date in the schedule" means a date that is greater than 1 year prior to the date nominated in the schedule.
2. The written notification must include precise details of the relevant land area and the date when that land became 'available for rehabilitation'
3. Assessment of land becoming available is undertaken on a nominally annual basis.
4. Rehabilitation of land size must be practicable.

PRCP4 Where an area achieves a rehabilitation milestone, the holder must continue to achieve the milestone criteria until a surrender is approved.

- PRCP5** The holder must maintain a risk register that identifies the risks to not achieving:
- a) A stable condition for post-mining land uses; and
 - b) How the risks are being managed or minimised.

- PRCP6** The risk register (PRCP5) must be reviewed annually and include consideration of the outcomes of PRCP monitoring data.
- PRCP7** The holder must carry out monitoring in accordance with:
- Any requirement under this schedule; and
 - As necessary to demonstrate achievement of each rehabilitation milestone criteria.
- PRCP8** The holder must make and keep up to date records on:
- Achievement and maintenance of each rehabilitation milestone criteria of this schedule.
 - Rehabilitation activities and the results of those activities (including but not limited to, actions taken, date, location, methods, data collected, quality assurance and quality control (QA/QC), photos, waste tracking and disposal records, appropriately qualified person details and assumptions);
 - Maintenance of rehabilitation and the results of maintenance activities;
 - Monitoring of rehabilitation and the results of monitoring;
 - Details and results of rehabilitation trials;
 - Designs, drawings, specifications and any similar documents developed in accordance with good professional practice in relation to rehabilitation milestones or milestone criteria;
 - All documents in relation to the requirements of this schedule, including reports (e.g. site investigation report), statements (e.g. site suitability statement), certifications, assessments, investigations, inspections, audits or any similar documents developed in relation to rehabilitation milestones or milestone criteria;
 - Landholder agreements; and
 - Details of community consultation in the community consultation register relating to rehabilitation and closure activities.
 - any other records that reasonably relate to rehabilitation.
- PRCP9** Records made under PRCP8 must be kept until the relevant environmental authority has been surrendered.
- PRCP10** Records made under PRCP8 must be provided to the administering authority in the specified format within 10 business days of a written request.
- PRCP11** All appropriately qualified person (AQP) designs, specifications, certifications, assessments and any similar documents, must:
- Include documented consideration of any relevant guideline or publication material, including material published by the administering authority;
 - Detail the boundary conditions (of any model);
 - Detail any assumptions made, limitations and areas of uncertainty; and
 - Must contain sufficient detail to allow for independent peer review and substantiation.
- PRCP12** Disturbance due to exploration and minor ancillary activities in areas not planned to be mined and not within a Rehabilitation Area in this schedule must be rehabilitated in accordance with the provision detailed in the *Eligibility criteria and standard conditions for exploration and mineral development projects* or its successor, with the exception that land must be rehabilitated to a stable condition which includes achieving the relevant post mining land use for the disturbance location as detailed in **Figure 1. Final site design and land use.**

- PRCP13** Before commencing extraction activities in any area with a pre-mining or expected final slope gradient exceeding 15%, the holder must:
- a) Prepare a detailed final landform design for the area, including integration with adjacent undisturbed terrain; and
 - b) Conduct an erosion assessment to demonstrate that the rehabilitated final landform, if constructed and treated in accordance with the design and recommendations, will meet the rehabilitation milestone criteria.

Section B - Definitions

Appropriately qualified person (AQP)	means a person who has professional qualifications, training, skills and experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods or literature.
Activity (EP Regulation)	includes that part, if any, of an activity relating to the following— (a) preparing a place for the activity before carrying out the activity; (b) rehabilitating a place after it has been used for carrying out the activity.
ANZG 2018	means Australian and New Zealand Guidelines for Fresh and Marine Water Quality. Previously ANZECC (2000).
BioCondition	refers to the <i>BioCondition Assessment Manual</i> (Eyre, T.J., Kelly, A.L, Neldner, V.J., Wilson, B.A., Ferguson, D.J., Laidlaw, M.J. and Franks, A.J. (2015)) and <i>BioCondition: A Condition Assessment Framework for Terrestrial Biodiversity in Queensland. Assessment Manual. Version 2.2</i> (Queensland Herbarium, Department of Science, Information Technology, Innovation and Arts, Brisbane) or later versions thereof.
Contaminants	can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants.
Contaminated Land Auditor	A contaminated land auditor is responsible for auditing the work of the suitably qualified person (SQP) by evaluating and certifying site investigation and validation reports and drafting the site management plans that are submitted for a decision on a land contamination matter.
Ecosystem Altering Weeds	are invasive plants that have the capacity to change the character, condition, form or nature of ecosystems over a substantial area relative to the extent of that ecosystem. They can outcompete native species, alter habitats and/or change fire regimes, thereby negatively impacting biodiversity and ecosystem function.
Flood stress	is the pressure on structures from rapid water rise, erosion, and saturation during extreme floods, risking instability.
Growth media	is defined as all soil and soil-like material that will support the final vegetation cover. This includes the topsoil and subsoil where these materials are applied independently. Where the topsoil is incorporated into the underlying subsoil/spoil, topsoil refers to the depth of incorporation and the remaining depth is regarded as subsoil. The total depth of growth media is nominally considered to be the effective plant root zone.
Gully	A gully is a channel excavated by water, more than 0.3 m deep.
Independent AQP	an AQP who is a third party who is able to demonstrate a sufficient level of independence from the PRCP schedule holder, the site and any technical material generated that is the subject of the review, to satisfy a reasonable person that they have no conflict of interest on the matter, the subject of the review.
Independent peer review	means a peer reviewer who is a third-party to the PRCP schedule holder and the AQP whose report is being reviewed and substantiated, and is able to demonstrate a sufficient level of independence from the PRCP schedule holder, the site and any technical material generated that is the subject of the review to satisfy a reasonable person that they have no conflict of interest on the matter the subject of the review.

	The peer reviewer shall also be an AQP and documentation provided must contain sufficient detail to allow for independent technical review and substantiation and provide and justify site-specific landform performance (SMART) criteria.
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Relevant material	includes: i. “As Constructed” report; ii. All monitoring data; iii. Assessment of monitoring data; iv. All maintenance records; and v. Modelling and technical assessments.
Rill	A rill is a channel excavated by water, less than 0.3 m deep.
Safety Hazards	means, in a rehabilitation area, unstable ground, residual contaminants, altered hydrology or any other potential hazards to wildlife or humans resulting from the activity.
Stable	in relation to land, means landform dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of environmental context, geotechnical stability, settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation.
Stabilised	means one or both of the following conditions apply: no evidence of sediment movement; sides and/or floors of erosion form are revegetated (Australian Soil and Land Survey Field Handbook Third Edition).
Stable condition	see section 111A of the <i>Environmental Protection Act 1994</i> .
Suitably qualified and experienced person (SQP)	for performing a regulatory function under chapter 7, part 8 (Contaminated Land) of the EP Act or another function prescribed under a regulation, means a person who— (a) has qualifications and experience relevant to performing the function; and (b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.
Vegetative groundcover	means plants, plant litter, tree leaf litter, twigs and woody debris capable of protecting the soil surface from erosion.
Weed	Non-native plants include: • Category 3 restricted invasive plant species, defined by the <i>Biosecurity Act 2014</i>; and • Weeds of National Significance, defined by Invasive Plants and Animals Committee 2016, Australian Weeds Strategy 2017 to 2027, Australian Government Department of Agriculture and Water Resources, Canberra.

END OF CONDITIONS

2 Section B - Final site design and reference maps

Figure 1. Final site design and land use

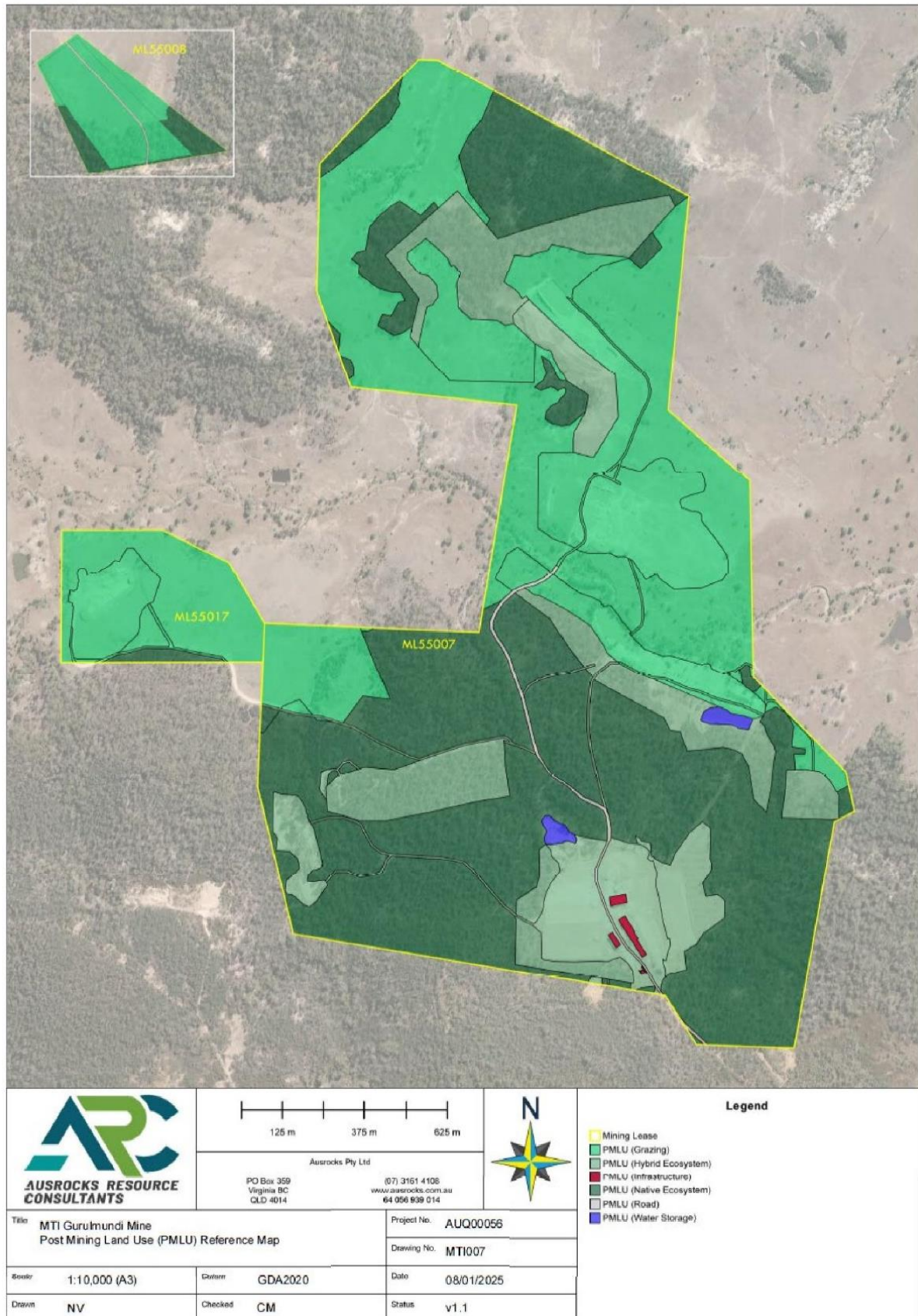
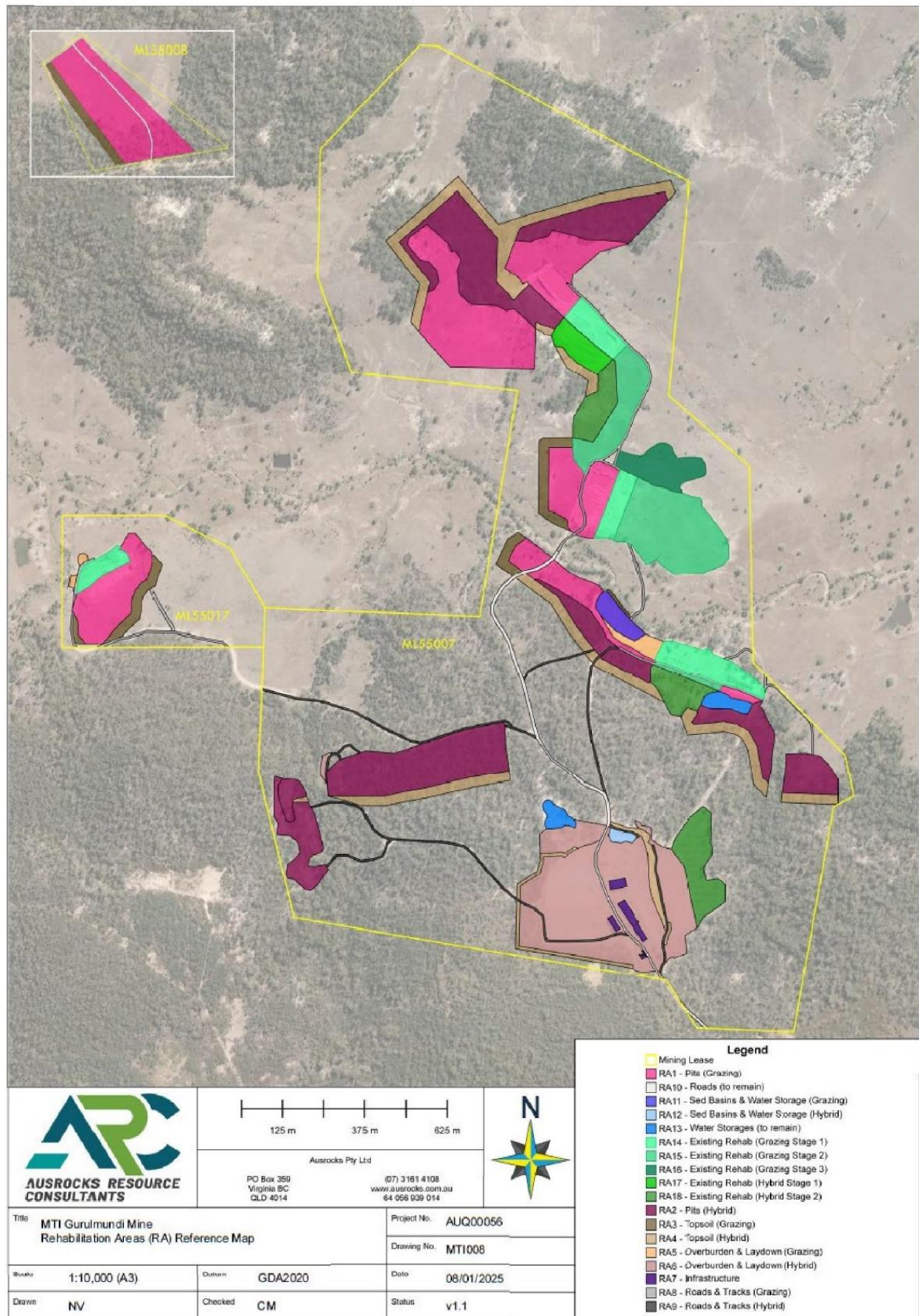


Figure 2. Rehabilitation Areas



3 Section C – Post mining land uses

Milestone reference	Rehabilitation milestone	Rehabilitation Area																	
		RA1	RA2	RA3	RA4	RA5	RA6	RA7	RA8	RA9	RA10	RA11	RA12	RA13	RA14	RA15	RA16	RA17	RA18
PMLU		Grazing	Hybrid	Grazing	Hybrid	Grazing	Hybrid	Infrastruct ure	Grazing	Hybrid	Infrastruct ure	Grazing	Hybrid	Infrastruct ure	Grazing	Grazing	Grazing	Hybrid	Hybrid
RM1	Infrastructure decommissioning and removal																		
RM2	Water Storage Preparation																		
RM3	Landform development and reshaping																		
RM4	Establishment of geotechnical stable surface conditions																		
RM5	Surface Preparation																		
RM6	Seeding/Revegetation																		
RM7	Establishment of PMLU surface conditions																		
RM8	Achievement of PMLU to a stable condition - Without water quality																		
RM9	Achievement of water quality – Water quality only																		
RM10	Permanent infrastructure remaining post-mining is in a safe and stable condition																		

3.1 (RA1) Rehabilitation area 1

Post-mining land uses (PMLU)									
Rehabilitation area					RA1				
Relevant activities					Pits (Grazing)				
Total rehabilitation area size (ha)					31.7				
Commencement of first milestone: RM1					10/12/2029				
PMLU					Marginal Grazing				
Date area is available	10/12/ 2029	10/12/ 2032	10/12/ 2034	10/12/ 2037	10/12/ 2042	10/12/ 2046	10/12/ 2049	10/12/ 2054	10/12/ 2059
Cumulative area available (ha)	4.1	4.1	15	15	15	31.7	31.7	31.7	31.7
Milestone completed by	10/12/ 2032	10/12/ 2037	10/12/ 2037	10/12/ 2042	10/12/ 2047	10/12/ 2049	10/12/ 2054	10/12/ 2059	10/12/ 2066
Milestone Reference	Cumulative area achieved (ha)								
RM1	4.1		15			31.7			
RM3	4.1		15			31.7			
RM4	4.1		15			31.7			
RM5	4.1		15			31.7			
RM6	4.1		15			31.7			
RM7		4.1		15			31.7		
RM8				4.1	15			31.7	
RM9									31.7

3.2 (RA2) Rehabilitation area 2

Post-mining land uses (PMLU)													
Rehabilitation area							RA2						
Relevant activities							Pits (Hybrid Ecosystem)						
Total rehabilitation area size (ha)							25.8						
Commencement of first milestone: RM1							10/12/2025						
PMLU							Hybrid Ecosystem						
Date area is available	10/12/ 2025	10/12/ 2029	10/12/ 2029	10/12/ 2031	10/12/ 2034	10/12/ 2034	10/12/ 2036	10/12/ 2038	10/12/ 2043	10/12/ 2046	10/12/ 2050	10/12/ 2055	10/12/ 2060
Cumulative area available (ha)	3.2	6.8	3.2	6.8	12.4	3.2	6.8	12.4	12.4	25.8	25.8	25.8	25.8
Milestone completed by	10/12/ 2029	10/12/ 2031	10/12/ 2034	10/12/ 2036	10/12/ 2038	10/12/ 2039	10/12/ 2041	10/12/ 2043	10/12/ 2048	10/12/ 2050	10/12/ 2055	10/12/ 2060	10/12/ 2066
Milestone Reference	Cumulative area achieved (ha)												
RM1	3.2	6.8			12.4					25.8			
RM3	3.2	6.8			12.4					25.8			
RM4	3.2	6.8			12.4					25.8			
RM5	3.2	6.8			12.4					25.8			
RM6	3.2	6.8			12.4					25.8			
RM7			3.2	6.8				12.4			25.8		
RM8						3.2	6.8		12.4			25.8	
RM9													25.8

3.3 (RA3) Rehabilitation area 3

Post-mining land uses (PMLU)												
Rehabilitation area						RA3						
Relevant activities						Topsoil Stockpiles (Grazing)						
Total rehabilitation area size (ha)						4.1						
Commencement of first milestone: RM3						10/12/2025						
PMLU						Marginal Grazing						
Date area is available	10/12/ 2025	10/12/ 2029	10/12/202 7	10/12/ 2031	10/12/ 2033	10/12/ 2032	10/12/203 6	10/12/ 2035	10/12/ 2038	10/12/ 2040	10/12/ 2045	10/12/ 2050
Cumulative area available (ha)	0.1	1.3	0.1	1.3	2.8	0.1	1.3	2.8	4.1	4.1	4.1	4.1
Milestone completed by	10/12/ 2027	10/12/ 2031	10/12/203 2	10/12/ 2036	10/12/ 2035	10/12/ 2037	10/12/204 1	10/12/ 2040	10/12/ 2040	10/12/ 2045	10/12/ 2050	10/12/ 2066
Milestone Reference	Cumulative area achieved (ha)											
RM3	0.1	1.3			2.8				4.1			
RM5	0.1	1.3			2.8				4.1			
RM6	0.1	1.3			2.8				4.1			
RM7			0.1	1.3				2.8		4.1		
RM8						0.1	1.3			2.8	4.1	
RM9												4.1

3.4 (RA4) Rehabilitation area 4

Post-mining land uses (PMLU)														
Rehabilitation area							RA4							
Relevant activities							Topsoil Stockpiles (Hybrid Ecosystem)							
Total rehabilitation area size (ha)							12.3							
Commencement of first milestone: RM3							10/12/2025							
PMLU							Hybrid Ecosystem							
Date area is available	10/12/ 2025	10/12/ 2029	10/12/ 2027	10/12/ 2033	10/12/ 2031	10/12/ 2038	10/12/ 2036	10/12/ 2037	10/12/ 2041	10/12/ 2048	10/12/ 2046	10/12/ 2051	10/12/ 2056	10/12/ 2061
Cumulative area available (ha)	0.1	2.6	0.1	4.3	2.6	10.8	4.3	2.6	10.8	12.3	10.8	12.3	12.3	12.3
Milestone completed by	10/12/ 2027	10/12/ 2031	10/12/ 2031	10/12/ 2036	10/12/ 2037	10/12/ 2041	10/12/ 2041	10/12/ 2042	10/12/ 2046	10/12/ 2051	10/12/ 2051	10/12/ 2056	10/12/ 2061	10/12/ 2066
Milestone Reference	Cumulative area achieved (ha)													
RM3	0.1	2.6		4.3		10.8				12.3				
RM5	0.1	2.6		4.3		10.8				12.3				
RM6	0.1	2.6		4.3		10.8				12.3				
RM7			0.1		2.6		4.3		10.8			12.3		
RM8					0.1			2.6	4.3		10.8		12.3	
RM9														12.3

3.5 (RA5) Rehabilitation area 5

Post-mining land uses (PMLU)				
Rehabilitation area		RA5		
Relevant activities		Overburden & Laydown Areas (Grazing)		
Total rehabilitation area size (ha)		0.8		
Commencement of first milestone: RM1		10/12/2034		
PMLU		Marginal Grazing		
Date area is available	10/12/2034	10/12/2037	10/12/2042	10/12/2047
Cumulative area available (ha)	0.8	0.8	0.8	0.8
Milestone completed by	10/12/2037	10/12/2042	10/12/2047	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM1	0.8			
RM3	0.8			
RM4	0.8			
RM5	0.8			
RM6	0.8			
RM7		0.8		
RM8			0.8	
RM9				0.8

3.6 (RA6) Rehabilitation area 6

Post-mining land uses (PMLU)						
Rehabilitation area	RA6					
Relevant activities	Overburden & Laydown Areas (Hybrid Ecosystem)					
Total rehabilitation area size (ha)	16.6					
Commencement of first milestone: RM1	10/12/2039					
PMLU	Hybrid Ecosystem					
Date area is available	10/12/2039	10/12/2042	10/12/2047	10/12/2052	10/12/2056	10/12/2061
Cumulative area available (ha)	0.2	0.2	16.6	16.6	16.6	16.6
Milestone completed by	10/12/2042	10/12/2047	10/12/2052	10/12/2056	10/12/2061	10/12/2066
Milestone Reference	Cumulative area achieved (ha)					
RM1	0.2		16.6			
RM3	0.2		16.6			
RM4	0.2		16.6			
RM5	0.2		16.6			
RM6	0.2		16.6			
RM7		0.2		16.6		
RM8			0.2		16.6	
RM9						16.6

3.7 (RA7) Rehabilitation area 7

Post-mining land uses (PMLU)		
Rehabilitation area	RA7	
Relevant activities	Infrastructure	
Total rehabilitation area size (ha)	0.5	
Commencement of first milestone: RM1	10/12/2052	
PMLU	Retained Infrastructure (Infrastructure)	
Date area is available	10/12/2052	10/12/2055
Cumulative area available (ha)	0.5	0.5
Milestone completed by	10/12/2055	10/12/2066
Milestone Reference	Cumulative area achieved (ha)	
RM1	0.5	
RM10		0.5

3.8 (RA8) Rehabilitation area 8

Post-mining land uses (PMLU)									
Rehabilitation area					RA8				
Relevant activities					Roads & Tracks (Grazing)				
Total rehabilitation area size (ha)					2.0				
Commencement of first milestone: RM3					10/12/2029				
PMLU					Marginal Grazing				
Date area is available	10/12/2029	10/12/2031	10/12/2036	10/12/2039	10/12/2041	10/12/2044	10/12/2046	10/12/2051	10/12/2056
Cumulative area available (ha)	0.2	0.2	0.2	1.4	1.4	2.0	2.0	2.0	2.0
Milestone completed by	10/12/2031	10/12/2036	10/12/2041	10/12/2041	10/12/2046	10/12/2046	10/12/2051	10/12/2056	10/12/2066
Milestone Reference	Cumulative area achieved (ha)								
RM3	0.2			1.4		2.0			
RM4	0.2			1.4		2.0			
RM5	0.2			1.4		2.0			
RM6	0.2			1.4		2.0			
RM7		0.2			1.4		2.0		
RM8			0.2				1.4	2.0	
RM9									2.0

3.9 (RA9) Rehabilitation area 9

Post-mining land uses (PMLU)

Rehabilitation area				RA9			
Relevant activities				Roads & Tracks (Hybrid Ecosystem)			
Total rehabilitation area size (ha)				2.3			
Commencement of first milestone: RM3				10/12/2039			
PMLU				Hybrid Ecosystem			
Date area is available	10/12/2039	10/12/2042	10/12/2047	10/12/2052	10/12/2055	10/12/2060	10/12/2065
Cumulative area available (ha)	0.3	0.3	0.3	2.3	2.3	2.3	2.3
Milestone completed by	10/12/2042	10/12/2047	10/12/2052	10/12/2055	10/12/2060	10/12/2065	10/12/2066
Milestone Reference	Cumulative area achieved (ha)						
RM3	0.3			2.3			
RM4	0.3			2.3			
RM5	0.3			2.3			
RM6	0.3			2.3			
RM7		0.3			2.3		
RM8			0.3			2.3	
RM9							2.3

3.10 (RA10) Rehabilitation area 10

Post-mining land uses (PMLU)	
Rehabilitation area	RA10
Relevant activities	Main Road
Total rehabilitation area size (ha)	1.8
Commencement of first milestone: RM10	10/12/2052
PMLU	Retained infrastructure (Roads)
Date area is available	10/12/2052
Cumulative area available (ha)	1.8
Milestone completed by	10/12/2066
Milestone Reference	Cumulative area achieved (ha)
RM10	1.8

3.11 (RA11) Rehabilitation area 11

Post-mining land uses (PMLU)				
Rehabilitation area		RA11		
Relevant activities		Sediment Basins & Water Storages (Grazing)		
Total rehabilitation area size (ha)		1.0		
Commencement of first milestone: RM2		10/12/2025		
PMLU		Marginal Grazing		
Date area is available	10/12/2025	10/12/2030	10/12/2035	10/12/2040
Cumulative area available (ha)	1.0	1.0	1.0	1.0
Milestone completed by	10/12/2030	10/12/2035	10/12/2040	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM2	1.0			
RM3	1.0			
RM4	1.0			
RM5	1.0			
RM6	1.0			
RM7		1.0		
RM8			1.0	
RM9				1.0

3.12 (RA12) Rehabilitation area 12

Post-mining land uses (PMLU)				
Rehabilitation area		RA12		
Relevant activities		Sediment Basins & Water Storages (Hybrid Ecosystem)		
Total rehabilitation area size (ha)		0.3		
Commencement of first milestone: RM2		10/12/2048		
PMLU		Hybrid Ecosystem		
Date area is available	10/12/2048	10/12/2053	10/12/2058	10/12/2063
Cumulative area available (ha)	0.3	0.3	0.3	0.3
Milestone completed by	10/12/2053	10/12/2058	10/12/2063	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM2	0.3			
RM3	0.3			
RM4	0.3			
RM5	0.3			
RM6	0.3			
RM7		0.3		
RM8			0.3	
RM9				0.3

3.13 (RA13) Rehabilitation area 13

Post-mining land uses (PMLU)				
Rehabilitation area		RA13		
Relevant activities		Water Storages (to remain)		
Total rehabilitation area size (ha)		1.2		
Commencement of first milestone: RM1		10/12/2052		
PMLU		Retained infrastructure (Water Storage)		
Date area is available	10/12/2052	10/12/2055	10/12/2060	10/12/2065
Cumulative area available (ha)	1.2	1.2	1.2	1.2
Milestone completed by	10/12/2055	10/12/2060	10/12/2065	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM1	1.2			
RM2	1.2			
RM3	1.2			
RM6	1.2			
RM7		1.2		
RM8			1.2	
RM9				1.2
RM10				1.2

3.14 (RA14) Rehabilitation area 14

Post-mining land uses (PMLU)				
Rehabilitation area		RA14		
Relevant activities		Existing Rehabilitation (Grazing Stage 1)		
Total rehabilitation area size (ha)		6.9		
Commencement of first milestone: RM3		10/12/2025		
PMLU		Marginal Grazing		
Date area is available	10/12/2025	10/12/2028	10/12/2033	10/12/2038
Cumulative area available (ha)	6.9	6.9	6.9	6.9
Milestone completed by	10/12/2028	10/12/2033	10/12/2038	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM3	6.9			
RM4	6.9			
RM5	6.9			
RM6	6.9			
RM7		6.9		
RM8			6.9	
RM9				6.9

3.15 (RA15) Rehabilitation area 15

Post-mining land uses (PMLU)				
Rehabilitation area		RA15		
Relevant activities		Existing Rehabilitation (Grazing Stage 2)		
Total rehabilitation area size (ha)		9.9		
Commencement of first milestone: RM3		10/12/2025		
PMLU		Marginal Grazing		
Date area is available	10/12/2025	10/12/2028	10/12/2033	10/12/2038
Cumulative area available (ha)	9.9	9.9	9.9	9.9
Milestone completed by	10/12/2028	10/12/2033	10/12/2038	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM3	9.9			
RM4	9.9			
RM5	9.9			
RM6	9.9			
RM7		9.9		
RM8			9.9	
RM9				9.9

3.16 (RA16) Rehabilitation area 16

Post-mining land uses (PMLU)

Post-mining land uses (PMLU)				
Rehabilitation area		RA16		
Relevant activities		Existing Rehabilitation (Grazing Stage 3)		
Total rehabilitation area size (ha)		1.5		
Commencement of first milestone: RM3		10/12/2025		
PMLU		Marginal Grazing		
Date area is available	10/12/2025	10/12/2028	10/12/2033	10/12/2038
Cumulative area available (ha)	1.5	1.5	1.5	
Milestone completed by	10/12/2028	10/12/2033	10/12/2038	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM3	1.5			
RM4	1.5			
RM5	1.5			
RM6	1.5			
RM7		1.5		
RM8			1.5	
RM9				1.5

3.17 (RA17) Rehabilitation area 17

Post-mining land uses (PMLU)				
Rehabilitation area		RA17		
Relevant activities		Existing Rehabilitation (Hybrid Ecosystem Stage 1)		
Total rehabilitation area size (ha)		1.4		
Commencement of first milestone: RM3		10/12/2025		
PMLU		Hybrid Ecosystem		
Date area is available	10/12/2025	10/12/2028	10/12/2033	10/12/2038
Cumulative area available (ha)	1.4	1.4	1.4	1.4
Milestone completed by	10/12/2028	10/12/2033	10/12/2038	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM3	1.4			
RM4	1.4			
RM5	1.4			
RM6	1.4			
RM7		1.4		
RM8			1.4	
RM9				1.4

3.18 (RA18) Rehabilitation area 18

Post-mining land uses (PMLU)				
Rehabilitation area		RA18		
Relevant activities		Existing Rehabilitation (Hybrid Ecosystem Stage 2)		
Total rehabilitation area size (ha)		6.4		
Commencement of first milestone: RM3		10/12/2025		
PMLU		Hybrid Ecosystem		
Date area is available	10/12/2025	10/12/2028	10/12/2033	10/12/2038
Cumulative area available (ha)	6.4	6.4	6.4	6.4
Milestone completed by	10/12/2028	10/12/2033	10/12/2038	10/12/2066
Milestone Reference	Cumulative area achieved (ha)			
RM3	6.4			
RM4	6.4			
RM5	6.4			
RM6	6.4			
RM7		6.4		
RM8			6.4	
RM9				6.4

3.19 Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1.1 With the exception of any infrastructure to remain as part of the post-mining land use (PMLU) or where infrastructure is agreed to be retained by the landowner as evidence by a signed landholder agreement, the following are complete: a) All services disconnected, terminated and removed. b) All built and service infrastructure demolished and removed (including bentonite processing plant and any other mobile equipment or plant). c) All waste not permitted for on-site disposal under environmental authority EPML00699113 identified, removed, and disposed of at a licensed waste facility that is authorised to receive such waste. d) All fencing and associated foundations removed. e) All hardstand, concrete areas and roads (bitumen, blue metal, aggregate etc.) removed. f) Watercourse crossings and culverts removed. g) All pipelines drained and removed. h) All surface water drainage infrastructure that is not compatible with the sustainment of the PMLU removed. 1.2 Removal of excess bentonite and/or foreign materials from processing and stockpiling area(s). 1.3 Machinery/equipment that is not required for rehabilitation removed from site. 1.4 Contaminated land investigations, (investigation, remediation and validation) in accordance with the EP Act, including a site investigation report, and where required, a validation report and/or a draft Site Management Plan. 1.5 Contaminated water and sediment removed from dams. 1.6 Contaminated land managed consistent with SQP advice. 1.7 Contaminated Land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring. 1.8 An independent AQP has certified the achievement of RM1.1 – RM1.7.
RM2	Water storage preparation	2.1 All dams have been desilted. <u>Grazing PMLU (RA11) & Hybrid Ecosystem PMLU (RA12)</u>

Milestone reference	Rehabilitation milestone	Milestone criteria
		2.2 All water remaining in mine water storages and sediment basins lawfully removed through: a) evaporation; b) onsite re-use; or c) treatment and discharge, in accordance with water quality criteria consistent with downstream receiving environment conditions and in Appendix 5. 2.3 Removal of all embankments or structures impeding the flow of clean surface water, allowing reinstatement of the natural clean water runoff. 2.4 Landforms recontoured and stabilised to meet geotechnical stability standards. 2.5 All water storage structures are safe, stable and non-polluting and suitable for the achievement of the selected PMLU. 2.6 An independent AQP has certified the achievement of RM2.1 - RM2.5.
RM3	Landform development and reshaping	<u>Grazing (RA1, RA3, RA5, RA8, RA9, RA11, RA14, RA15, RA16) and Hybrid (RA2, RA4, RA6, RA12, RA17, RA18) PMLU's except Retained infrastructure (Water Storage) (RA13)</u> 3.1 All major earthworks (including reshaping, pushing/trimming) are completed in accordance with the design specification provided by an AQP. 3.2 An "As-Constructed Report" prepared which details and justifies all variations to the design, including a certification from an AQP that such variations will not affect the design performance. 3.3 Any slope >15% adheres to the final landform design as per condition PRCP13. 3.4 Constructed landform achieves geotechnical stability with a factor of safety (FoS) >1.5. 3.5 Erosion and sediment controls installed to AQP design specifications. 3.6 All landforms are free-draining and water shedding, with surface contours blended into surrounding undisturbed terrain to avoid ponding and minimise erosion risk. <u>Grazing PMLU (RA1) and Hybrid PMLU (RA2)</u> 3.7 Material used in backfilling is geochemically suitable for achieving safe, stable, non-polluting landform. 3.8 Backfilling is completed to final landform designs using fully co-mingled and mixed material (ore, waste rock, overburden) sourced from existing stockpiles:

Milestone reference	Rehabilitation milestone	Milestone criteria
		a) Pit voids backfilled to an average of 1.5m below pre-mining land surface. b) Grazing PMLU slope $\leq 15\%$. c) Hybrid Ecosystem PMLU batters shaped to blend with the natural topography. <u>Grazing PMLU (RA11) and Hybrid PMLU (RA12)</u> 3.9 Sediment basins backfilled or recontoured using material from the associated dam walls. <u>Retained Infrastructure (Water Storage) (RA13)</u> 3.10 Pit voids intended as water storage (RA13) reshaped to final landform designs. a) Dam wall batter slopes are not steeper than 1 vertical: 3 horizontal (1V:3H); b) Final slope geometry including excavated void walls (e.g. water storage basins) shaped to a maximum slope of 1V:2H, and final access ramps graded to a maximum of 1V:7H; 3.11 Dam wall batter slopes are required to have access restriction fencing for stock accessing water storages (RA13) in areas with a slope greater than 15%. 3.12 An independent AQP has certified the achievement of RM3.1 - RM3.11.
RM4	Establishment of geotechnically stable surface conditions	<u>Grazing PMLU (RA1, RA11) and Hybrid PMLU (RA2, RA12)</u> 4.1 An AQP has assessed backfilled areas, confirming that backfilled areas are geotechnically stable, this assessment confirms the following: a) No evidence of instability (e.g. slumping, settlement, or shearing) is present across backfilled areas; b) Backfill material exhibits suitable compaction, density, and engineering properties to ensure slope stability and support the PMLU as per the final landform design; and c) Potential failure mechanisms (e.g. sliding, piping, rotational failures) have been assessed and found to have no risk under expected site conditions. 4.2 An AQP assessment of backfilled areas and reshaped water storages confirms these areas have achieved geotechnically stable surface conditions in accordance with the AQP final landform designs.

Milestone reference	Rehabilitation milestone	Milestone criteria
		<u>Grazing, Hybrid (All RAs) PMLU's and Retained Infrastructure (RA13)</u> 4.3 An AQP assessment determines reshaped areas are safe and erosionally stable. 4.4 An independent AQP has certified the achievement of RM4.1 - RM4.3.
RM5	Surface preparation	5.1 Assessment of suitability of growth media/topsoil, and development of an amelioration and physical treatment plan completed by an AQP. 5.2 Ameliorant and physical treatments are applied in accordance with the plan in RM5.1. 5.3 Growth media health and suitability is assessed and documented by an AQP as suitable for the PMLU and target vegetation establishment. 5.4 Growth media placed to a minimum depth of 150 mm or as otherwise specified within the final landform design report and profile ripped along the contour to no more than 300 mm. 5.5 The surface water monitoring is underway (one year of sampling undertaken). 5.6 Land preparation has achieved a surface that is commensurate with the identified completion RE11.10.1 and RE11.7.2 for RA2, RA4, RA6, RA9, RA12, RA17 & RA18. 5.7 An independent AQP has certified the plan in RM 5.1 and the achievement of RM5.2 - RM5.6.
RM6	Seeding / Revegetation	6.1 Non-native seed has not been used for revegetation (except when sterile cover crops are used). 6.2 Stock exclusion fencing has been established to prevent stock from grazing newly seeded areas. 6.3 Replanting of vegetation has occurred following a strike rate below 60%. <u>Grazing PMLU (RA1, RA3, RA5, RA8, RA11, RA14, RA15 and RA16)</u> 6.4 Completed seeding with a selection of species and seeding rates listed in Appendix 1. Species list and seeding rates for grazing PMLU . 6.5 At least four species of 3P native pasture species and two native legumes applied per hectare, as well as one native shade tree species applied every 2 hectares, species selected from Appendix 1. Species list and seeding rates for grazing PMLU . 6.6 Minimum total seeding rate of 15 kg/ha.

Milestone reference	Rehabilitation milestone	Milestone criteria
		<u>Hybrid Ecosystem PMLU (RA2, RA4, RA6, RA9, RA12, RA17 & RA18)</u> 6.7 Completed seeding with a selection of native vegetation species and seeding rates in Appendix 2. Species list and seeding rates for Hybrid ecosystem PMLU. 6.8 Minimum total seeding rate of $\leq 20\text{kg/ha}$. <u>Retained Infrastructure (Water Storage) (RA13)</u> 6.9 Banks re-vegetated with at least 1 species listed in Appendix 1. Species list and seeding rates for grazing PMLU. 6.10 An independent AQP has certified the achievement of RM6.1 - RM6.9.
RM7	Establishment of PMLU surface conditions	<u>Grazing, Hybrid and Retained infrastructure PMLU's (All RAs) except Retained infrastructure (Water Storage) (RA13)</u> 7.1 Vegetation groundcover achieves a minimum of $\geq 50\%$. 7.2 Evidence of seed set, germination and emergence of grass species. 7.3 Evidence of flowering, seed setting, germination and emergence of shrub species. 7.4 Areas where seeding results in $< 60\%$ strike rate are identified and reseeded. 7.5 Weed presence is less than 5% of total vegetative cover. 7.6 Absence of ecosystem altering weeds. 7.7 All native species used in revegetation show evidence of natural recruitment. 7.8 No evidence of erosion classified as 'moderate' or 'severe' as defined by Appendix 3. Erosion classification framework. 7.9 Any erosion present will not compromise the achievement of a PMLU to a stable condition. 7.10 Erosion requiring intervention has been remediated and does not impact achievement of PMLU. 7.11 No evidence of scouring, instability or excessive sedimentation in or associated with engineered drainage structures. 7.12 Surface water runoff complies with Appendix 5 – Surface water quality limits. 7.13 The growth media (topsoil and subsoil) physical, chemical and biological properties do not limit vegetation cover performance or restrict the potential effective depth of rooting.

Milestone reference	Rehabilitation milestone	Milestone criteria
		7.14 Overland flows and surface runoff drain freely. 7.15 All temporary ESC structures have been removed. <u>Grazing PMLU (RA1, RA3, RA5, RA8, RA11, RA14, RA15 and RA16)</u> 7.16 At least 50% of established vegetative groundcover are species listed in Appendix 1. Species list and seeding rates for grazing PMLU. 7.17 Minimum vegetation composition (per hectare (averaged)) of: a. four species of 3P native pasture species; b. two native legumes; and c. one native shade tree species, present every 2 hectares. <u>Hybrid Ecosystem PMLU (RA2, RA4, RA6, RA9, RA12, RA17 & RA18)</u> 7.18 At least 50% of total vegetative groundcover species present are species characteristic of RE11.10.1 and/or RE11.7.2, as per Appendix 2. Species list and seeding rates for Hybrid ecosystem PMLU. 7.19 A BioCondition assessment completed in accordance with latest version of Queensland Herbarium's "BioCondition Assessment Manual" determines that the PMLU has exceeds the minimum total BioCondition score of greater than 20 at RM7 as per Appendix 6. BioCondition Benchmarks RE11.10.1/11.7.2 (as 90%/10%) - Rehabilitated <i>Corymbia citriodora</i> / <i>Acacia spp. woodland</i>. 7.20 Ground cover (native perennial grass + organic litter cover) ≥ 60%. <u>Retained infrastructure (Water Storage) (RA13)</u> 7.21 Retained water storages are safe for native animals and stock access, stable and have vegetated banks. 7.22 An independent AQP has certified the achievement of RM7.1 - RM7.21.
RM8	Achievement of PMLU to a stable condition – Without water quality	8.1 AQP assessment confirms safety hazards in rehabilitation areas are not significantly different to surrounding unmined landscapes subject to the same land use. 8.2 The land is structurally and erosionally stable. 8.3 The final landform is geotechnically stable and achieves a FoS ≥1.5. 8.4 No evidence of erosion classified as 'moderate' or 'severe' as defined by Appendix 3. Erosion classification

Milestone reference	Rehabilitation milestone	Milestone criteria
		framework. 8.5 Any erosion present will not compromise the achievement of a PMLU to a stable condition. 8.6 No evidence of scouring, instability or excessive sedimentation in or associated with engineered drainage structures. 8.7 Weed presence is a maximum of 5% of the total vegetative cover. 8.8 Restricted invasive plants (as defined in the <i>Biosecurity Act 2014</i>) comprise ≤5% of vegetation groundcover. 8.9 Absence of ecosystem altering weeds. 8.10 The growth media (topsoil and subsoil) physical, chemical and biological properties do not limit vegetation cover performance or restrict the potential effective depth of rooting. 8.11 Final landform survey confirms no built structures remain, other than those agreed to in the landowner agreement document. <u>Grazing PMLU (RA1, RA3, RA5, RA8, RA11, RA14, RA15 and RA16)</u> 8.12 Land suitability class is 3. 8.13 Native plant richness ≥4 ground cover species per hectare, as measured by floristic plots or transects. 8.14 Minimum vegetation composition (per hectare (averaged)) of: (a) four species of 3P native pasture species; (b) two native legumes; and (c) one native shade tree species, present every per 2 hectares. 8.15 Assessment of land condition and carrying capacity demonstrates a sustainable grazing outcome has been achieved. 8.16 Vegetative groundcover (vegetative and litter) ≥ 80%. 8.17 AQP assessment confirms rehabilitated land is erosionally stable with ≥95% of the surface area containing slopes <15%. <u>Hybrid Ecosystem PMLU (RA2, RA4, RA6, RA9, RA12, RA17 & RA18)</u> 8.18 A BioCondition assessment completed in accordance with latest version of Queensland Herbarium's "BioCondition Assessment Manual" determines that the PMLU has exceeds the minimum total BioCondition score of greater than 35 at RM8 as per Appendix 6. BioCondition Benchmarks RE11.10.1/11.7.2 (as 90%/10%) - Rehabilitated <i>Corymbia</i>

Milestone reference	Rehabilitation milestone	Milestone criteria
		<i>citriodora</i> / <i>Acacia</i> spp. woodland. 8.19 Vegetative groundcover (native perennial grass + organic litter cover) $\geq$ 70%. <u>Retained infrastructure (Water Storage) (RA13)</u> 8.20 Water storage area has safe access for humans and/or livestock, and any required safety demarcation or fencing has been installed. 8.21 Water storages have vegetated banks. 8.22 Vegetation groundcover $\geq$50% in catchment areas surrounding water storage. 8.23 An independent AQP has certified the achievement of RM8.1 - RM8.19.
RM9	Achievement of water quality - Water quality only	9.1 Surface water quality results monitored monthly during flow at, but not limited to, downstream locations specified in Appendix 4. Surface water monitoring locations, must not exceed the limits in Appendix 5. Surface water quality limits, for a minimum of 5 consecutive years. 9.2 If the surface water quality exceeds criteria RM9.2, the applicable upstream site must be compared to the downstream site result; and quality result measured at a downstream site must be equal to or less than the quality result measured at the applicable upstream site¹. 9.3 Water storages monitored quarterly must not exceed the limits in Appendix 5. Surface water quality limits, for a minimum of 5 consecutive years. 9.4 An independent AQP has certified the achievement of RM9.1 -9.3.
RM10	Permanent infrastructure remaining post-mining is in a safe and stable condition	10.1 All permanent and/or portable infrastructure, buildings, equipment, and access tracks/roads proposed to remain onsite are formally acknowledged and accepted (including understanding the long-term and ongoing management requirements) by the post-mining landholder, evidenced by a signed agreement stating that assets are fit for purpose and aligned with post-mining land use. 10.2 AQP assessment confirms infrastructure to be retained onsite is structurally safe, stable and will not cause environmental harm. 10.3 An independent AQP has certified the achievement of RM10.1 – RM10.2.

¹ For pH, the quality result measured at the downstream location must be within the prescribed range. However, where pH at the downstream location is greater-than (>) the highest limit in the range, the pH at the applicable upstream location must be greater-than or equal-to ($\geq$) the downstream location. Conversely, where pH at the downstream location is less than (<) the lowest limit in the range, the upstream pH at the applicable upstream location must be less-than or equal-to ($\leq$) the downstream location.

Appendix 1. Species list and seeding rates for grazing PMLU

Common name	Scientific name	Sowing rate (kg/ha)
Black Speargrass	<i>Heteropogon contortus</i> (3P)	<1kg to 5kg/ha
Cotton Panic	<i>Digitaria brownii</i>	
Michell Grass	<i>Astrebla</i> (3P)	
Native Millet	<i>Panicum decompositum</i> (3P)	
Brigalow grass	<i>Paspalidium species</i> (3P)	
Curly bluegrass	<i>Dichanthium fecundum</i> (3P)	
Giant speargrass	<i>Heteropogon tiliaceus</i> (3P)	
King bluegrass	<i>Dichanthium queenslandicum</i> (3P)	
Desert Bluegrass	<i>Bothriochloa ewartiana</i> (3P)	
Bull Mitchell grass	<i>Astrebla squarrosa</i> (3P)	
Kangaroo Grass	<i>Themeda australis</i>	
Golden Beard Grass	<i>Chrysopogon fallax</i> (3P)	
Queensland blue grass	<i>Dichanthium sericeum</i> (3P)	
Narrow-leaved ironbark	<i>Eucalyptus crebra</i>	
Windmill grass/es	<i>Enteropogon species</i> (3P)	
Tall cup grass	<i>Eriochloa crebra</i> (3P)	
Lemon Sented	<i>Corymbia citriodora</i>	
Red Ash	<i>Alphitonia excelsa</i>	
Grass Tree	<i>Xantheria johnstonii</i>	
TOTAL		<15kg/ha

Appendix 2. Species list and seeding rates for Hybrid ecosystem PMLU

Common name	Scientific name	Sowing rate (kg/ha)
Black Speargrass	<i>Heteropogon contortus</i>	<1kg to 5kg/ha
Cotton Panic	<i>Digitaria brownii</i>	
Desert Bluegrass	<i>Bothriochloa ewartiana</i>	
Kangaroo Grass	<i>Themeda australis</i>	
Golden Beard Grass	<i>Chrysopogon fallax</i>	
Soap Tree / Red Ash	<i>Alphitonia excelsa</i>	
Hickory Wattle	<i>Acacia glaucocarpa</i>	
Henderson's bloodwood	<i>Corymbia hendersonii</i>	
Clarkson's bloodwood	<i>Corymbia clarksoniana</i>	
Moreton Bay ash	<i>Corymbia tessellaris</i>	
Brown bloodwood	<i>Corymbia trachyphloia</i>	
Gympie messmate	<i>Eucalyptus cloeziana</i>	
Wild pear	<i>Persoonia falcata</i>	
Rare Panic	<i>Paspalidium rarum</i>	
Burrow's wattle	<i>Acacia burrowii</i>	
Queensland peppermint	<i>Eucalyptus exserta</i>	
Gum-top ironbark	<i>Eucalyptus decorticans</i>	
Blake's wattle	<i>Acacia blakei</i>	

Currawong tree	<i>Acacia sparsiflora</i> ,	
Quinine bush	<i>Petalostigma pubescens</i>	
lancewood	<i>Acacia shirleyi</i>	
Bendee	<i>Acacia catenulata</i>	
Turkey bush	<i>Acalypha eremorum</i>	
Mountain yapunyah	<i>Eucalyptus thozetiana</i>	
Steel Geass	<i>Xanthorrhoea johnsonii</i>	
White croton	<i>Croton phebaloides</i>	
Conkerberry	<i>Carissa ovata</i>	
Leafy Panic	<i>Urochloa foliosa</i>	
Many-headed Wiregrass	<i>Aristida caput-medusae</i>	
Narrow-leaved ironbark	<i>Eucalyptus crebra</i>	
Lemon-scented gum	<i>Corymbia citriodora</i>	
Red Ash	<i>Alphitonia excelsa</i>	
Grass tree	<i>xantheria johnstonii</i>	
Black Wattle	<i>Acacia leiocalyx</i>	
Native Blackthorn	<i>Bursaria spinosa</i>	
TOTAL		<20kg/ha

Appendix 3. Erosion classification framework

Erosion classification	Minor	Moderate	Severe
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope.	Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope.
Rill	<15 rills pre transect*	15-30 rills per transect*	>30 rills per transect*
Gully erosion	Absent	Absent	Present
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Source: NCST (2024) *Australian Soil and Land Survey Field Handbook, 4th edition*. The National Committee on Soil and Terrain. CSIRO Publishing, Collingwood, Australia.

*Transect 100 m across the contour (Source: Tongway, D. J. and Hindley, N. L. 2005. *Landscape Function Analysis: Procedures for Monitoring and Assessing Landscapes*. CSIRO Publishing, Canberra, Australia.

Appendix 4. Surface water monitoring locations

Monitoring Locations	Receiving waters location description	Latitude (decimal degree, GDA2020)	Longitude (decimal degree, GDA2020)
<i>Upstream monitoring locations</i>			
WS5	Juandah Creek upstream of ML55017	-26.3940	149.9767
WS6		-26.4022	150.0251
WS8		-26.3864	149.9848
<i>Downstream monitoring locations</i>			
WS1		-26.3937	149.9865
WS2	Tributary of Juandah Creek downslope from Dam 2	-26.3944	149.9872
WS3	Tributary of Juandah Creek downslope from Dam 2	-26.3979	149.9895
WS4	Juandah Creek – downstream of operations	-26.3973	149.9979
WS7		-26.3967	150.0288
WS9		-26.3821	149.9882

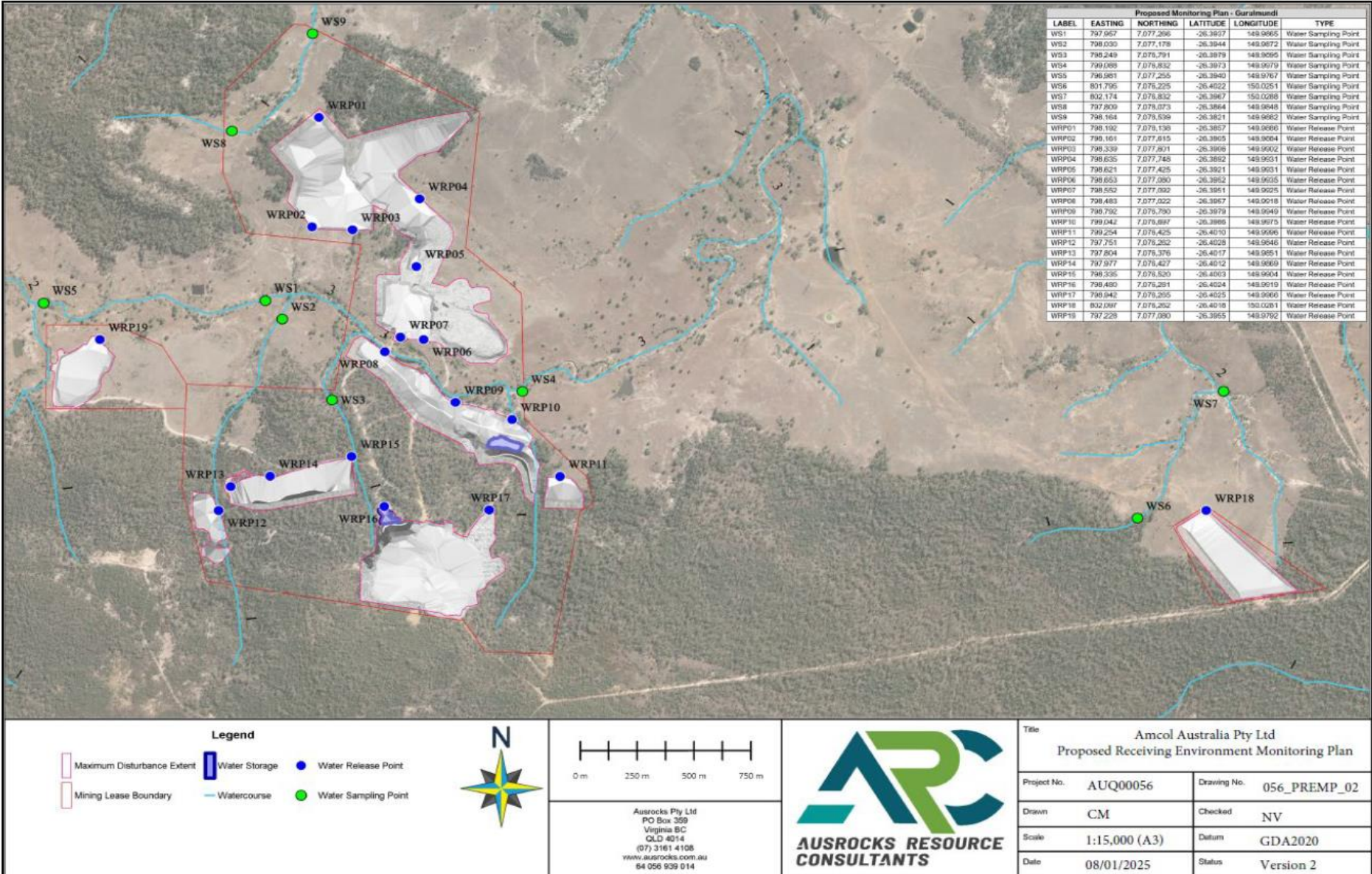


Figure 3: Surface water monitoring locations

Appendix 5. Surface water quality limits

Quality characteristic (units)	Limit	Comment on limit
pH	6.5-8.5	WQO
Electrical Conductivity (µS/cm)	370	WQO
Turbidity (NTU)	50	WQO
Sulphate (mg/L)	5	WQO
Arsenic - dissolved (µg/L)	13	ANZG 2018
Nitrate (µg/L)	1100	
Total recoverable hydrocarbons (C6-C9) (µg/L)	20	
Total recoverable hydrocarbons (C10-C36) (µg/L)	100	
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes	
Hardness (mg/L)	For interpretation purposes	

Notes:

- All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).
- Limits for metals and metalloids apply to dissolved results.
- ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection)
- Local water guideline values for protection of aquatic ecosystems as per *Environmental Protection (Water) Policy 2009 Dawson River Sub-basin Environmental Values and Water Quality Objectives Basin No. 130 (part)*, including all waters of the Dawson River Sub-basin except the Callide Creek Catchment, published in September 2011.

Appendix 6. Bio condition Benchmark for RE11.10.1/11.7.2 (as 90%/10%) - Rehabilitated *Corymbia citriodora* / *Acacia* spp. woodland

¹A site's total BioCondition score can be comprised of different attribute scores but must meet or exceed the minimum (modified) Bio condition score for the relevant milestone.

BioCondition Assessable Attributes	BioCondition Assessable Attribute Weighting	BioCondition benchmark	Indicative ¹ measure at RM 7	BioCondition Score	Indicative ¹ measure at RM 8	BioCondition Score
Recruitment	5	100%	0	0	20%	3
Non-native plant cover (%)	10	0%	<25%	5	<25%	5
Tree species richness	5	4	≥1	2.5	≥4	5
Native shrub species richness	5	4	≥1	2.5	≥2	2.5
Native grass species richness	5	8	≥2	2.5	≥4	2.5
Native forb other species richness	5	15	≥3	2.5	≥5	2.5
Tree canopy height (m)	5	22m	0	0	≥4.75m	3
Tree canopy cover (%)	5	27%	≥4.0%	2	≥10%	5
Shrub canopy cover (%)	5	12%	≥1.3%	3	≥5%	3
Native perennial grass cover (%)	5	14%	≥12%	3	≥12%	3
Organic litter ground cover (%)	5	45%	0	0	≥4.5%	3
Total BioCondition Assessable Score	60			>20 Total above = 23		>35 Total above = 37.5

END OF PRCP SCHEDULE