

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_EPML00352613 _V1

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

PRCP schedule: PRCP_EPML00352613 _V1

PRCP schedule holder(s)

Name(s)	Registered address
Graymont (NSW) Pty Ltd	Level 9, 118 Mount Street NORTH SYDNEY NSW 2060

Location details

Location(s)
Mining Lease (ML) 50111

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.

Alison O'Brien

Signature

6/07/2023

Date

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

Enquiries:

Minerals Business Centre
Department of Environment and Science
PO Box 7230, Cairns QLD 4870
Phone: (07) 4222 5352
Email: ESCairns@des.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 - Final site design and reference maps
- Section C - Post mining land uses

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 and management milestone
 - (b) when each rehabilitation milestone and management milestone is to be achieved

There are no conditions beyond those contained in section 206A of the *Environmental Protection Act 1994* that apply to this PRCP schedule.

General conditions

- PRCP1** The holder must comply with each milestone criterion stated in the schedule.
- PRCP2** Where a milestone criterion requires any of the following, the holder must keep records of the actions taken to comply with the criterion as well as the results and provide a copy of this information to the Administering Authority on request -
- (i) certifications or assessments to be undertaken;
 - (ii) monitoring or maintenance to be carried out;
 - (iii) final design plans and/or specifications to be developed; and
 - (iv) reports such as contaminated land investigations, rehabilitation reports (including monitoring records), validation reports, Quality Assurance/Quality Control reports.
- PRCP3** Where land becomes available for rehabilitation earlier than the nominated 'Date area is available', progressive rehabilitation for that land must commence as soon as practicable. Progressive rehabilitation commenced early under this condition must be carried out in accordance with the milestones and criteria in this schedule, except that each of the dates by which milestones are to be completed is brought forward by the same amount of time as the commencement was brought forward.

END OF CONDITIONS

Section B - Final site design and reference maps

Figure 1. Final Site Design

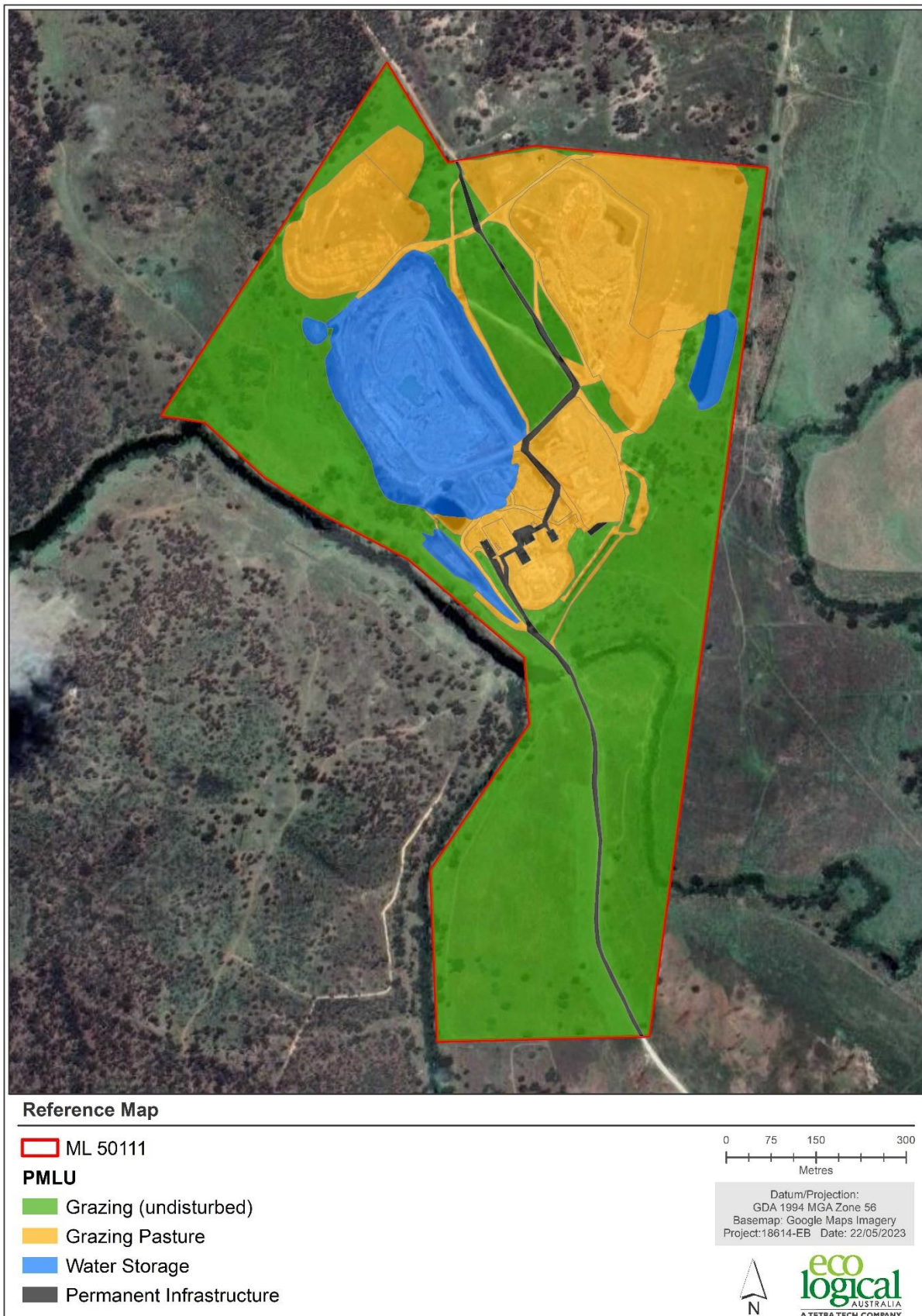
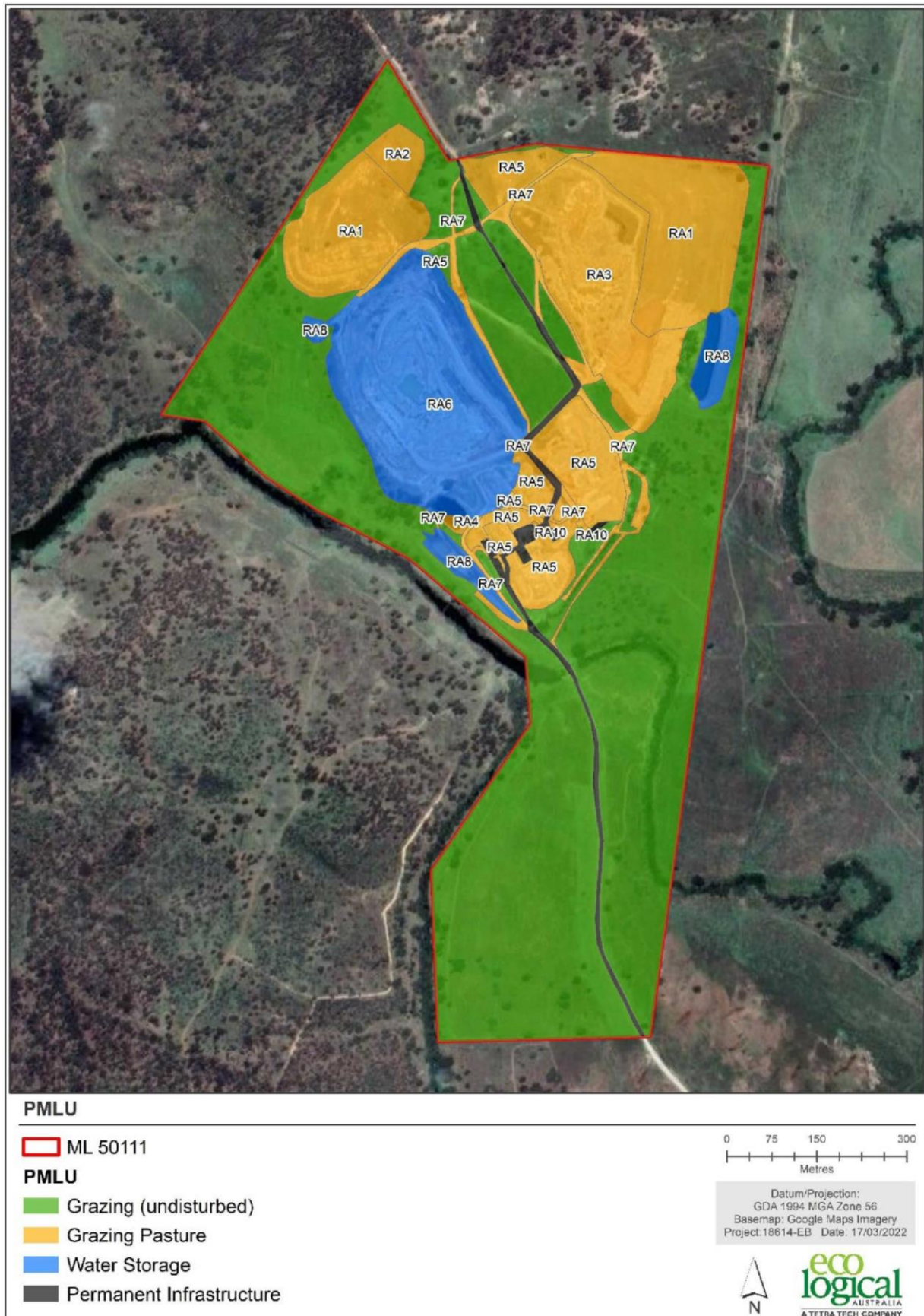


Figure 2. Reference Map – Rehabilitation Areas



Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)		
Rehabilitation area	RA1	
Relevant activities	Northern and north-eastern overburden dump (rehabilitated)	
Total rehabilitation area size (ha)	8.66	
Commencement of first milestone: RM6	RM6 will commence 1 January 2023. This is a continuation of current monitoring and maintenance measures undertaken for RA1.	
PMLU	Low intensity grazing	
Date area is available	1/01/23	10/12/26
Cumulative area available (ha)	8.66	8.66
Milestone completed by	10/12/26	10/12/29
Milestone Reference	Cumulative area achieved (ha)	
RM6	8.66	
RM7		8.66

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)			
Rehabilitation area	RA2		
Relevant activities	Northern overburden dump (to be rehabilitated)		
Total rehabilitation area size (ha)	0.69		
Commencement of first milestone: RM4	RM4 will commence 1 January 2023		
PMLU	Low intensity grazing		
Date area is available	1/01/23	10/12/24	10/12/27
Cumulative area available (ha)	0.69	0.69	0.69
Milestone completed by	10/12/24	10/12/27	10/12/32
Milestone Reference	Cumulative area achieved (ha)		
RM4	0.69		
RM5	0.69		
RM6		0.69	
RM7			0.69

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)									
Rehabilitation area	RA3								
Relevant activities	North-eastern overburden dump (to be rehabilitated)								
Total rehabilitation area size (ha)	6.4								
Commencement of first milestone: RM3	RM3 will commence 1 January 2031								
PMLU	Low intensity grazing								
Date area is available	1/01/31	10/12/32	10/12/34	10/12/36	10/12/37	10/12/38	10/12/39	10/12/40	10/12/44
Cumulative area available ha)	1.8	3.6	5.4	6.4	6.4	6.4	6.4	6.4	6.4
Milestone completed by	10/12/32	10/12/34	10/12/36	10/12/37	10/12/38	10/12/39	10/12/40	10/12/44	10/12/47
Milestone Reference	Cumulative area achieved (ha)								
RM3	1.8	3.6	5.4	6.4					
RM4			2.54	3.81	5.08	6.4			
RM5			2.54	3.81	5.08	6.4			
RM6				1.27	2.54	3.81	5.08	6.4	
RM7									6.4

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)			
Rehabilitation area	RA4		
Relevant activities	Former Sediment Dam C		
Total rehabilitation area size (ha)	0.12		
Commencement of first milestone: RM1	RM1 will commence 1 January 2040		
PMLU	Low intensity grazing		
Date area is available	1/01/40	10/12/41	10/12/47
Cumulative area available (ha)	0.12	0.12	0.12
Milestone completed by	10/12/41	10/12/47	10/12/50
Milestone Reference	Cumulative area achieved (ha)		
RM1	0.12		
RM2	0.12		
RM3	0.12		
RM4	0.12		
RM5	0.12		
RM6		0.12	
RM7			0.12

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)						
Rehabilitation area	RA5					
Relevant activities	Plant, buildings, silos/bins, misc. scrap, laydown areas, small tanks, product stockpiles					
Total rehabilitation area size (ha)	5.04					
Commencement of first milestone: RM1	RM1 will commence 1 January 2037					
PMLU	Low intensity grazing					
Date area is available	1/01/37	10/12/37	10/12/40	10/12/42	10/12/44	10/12/47
Cumulative area available (ha)	5.05	5.05	5.05	5.05	5.05	5.05
Milestone completed by	10/12/37	10/12/40	10/12/42	10/12/44	10/12/47	10/12/50
Milestone Reference	Cumulative area achieved (ha)					
RM1	5.04					
RM2		5.04				
RM3			5.04			
RM4				5.04		
RM5				5.04		
RM6					5.04	
RM7						5.04

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)		
Rehabilitation area	RA6	
Relevant activities	Residual void	
Total rehabilitation area size (ha)	9.73	
Commencement of first milestone: RM1	RM1 will commence 1 January 2039. RM3 (reshaping) to occur on 0.55 ha of the highwall commencing 1 January 2039	
PMLU	Water storage	
Date area is available	1/01/39	10/12/39
Cumulative area available (ha)	9.73	9.73
Milestone completed by	10/12/39	10/12/50
Milestone Reference	Cumulative area achieved (ha)	
RM1	9.73	
RM3	0.55	
RM8		9.73

(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)			
Rehabilitation area	RA7		
Relevant activities	Roads		
Total rehabilitation area size (ha)	2.35		
Commencement of first milestone: RM3	RM3 will commence 1 January 2041		
PMLU	Low intensity grazing		
Date area is available	1/01/41	10/12/42	10/12/47
Cumulative area available (ha)	2.35	2.35	2.35
Milestone completed by	10/12/42	10/12/47	10/12/50
Milestone Reference	Cumulative area achieved (ha)		
RM3	2.35		
RM4	2.35		
RM5	2.35		
RM6		2.35	
RM7			2.35

(RA8) Rehabilitation area 8

Post-mining land uses (PMLU)		
Rehabilitation area	RA8	
Relevant activities	Sediment dam A, Sediment Dam B, Sediment Dam D (to be retained)	
Total rehabilitation area size (ha)	1.57	
Commencement of first milestone: RM1	RM1 will commence 1 January 2040	
PMLU	Water storage	
Date area is available	1/01/40	10/12/40
Cumulative area available (ha)	1.57	1.57
Milestone completed by	10/12/40	10/12/50
Milestone Reference	Cumulative area achieved (ha)	
RM1	1.57	
RM2	1.57	
RM8		1.57

(RA9) Rehabilitation area 9

Post-mining land uses (PMLU)			
Rehabilitation area	RA9		
Relevant activities	Fuel storage, HME parking area		
Total rehabilitation area size (ha)	0.2		
Commencement of first milestone: RM1	RM1 will commence 1 January 2040		
PMLU	Low intensity grazing		
Date area is available	1/01/40	10/12/43	10/12/47
Cumulative area available (ha)	0.2	0.2	0.2
Milestone completed by	10/12/43	10/12/47	10/12/50
Milestone Reference	Cumulative area achieved (ha)		
RM1	0.2		
RM2	0.2		
RM3	0.2		
RM4	0.2		
RM5	0.2		
RM6		0.2	
RM7			0.2

(RA10) Rehabilitation area 10

Post-mining land uses (PMLU)		
Rehabilitation area	RA10	
Relevant activities	Workshop, office, sheds, roads and bridge (to be retained)	
Total rehabilitation area size (ha)	1.61	
Commencement of first milestone: RM9	1/01/2049	
PMLU	Retained infrastructure	
Date area is available	1/01/49 1/01/40	1/01/49
Cumulative area available (ha)	1.61ha	1.61
Milestone completed by	10/12/49	10/12/50
Milestone Reference	Cumulative area achieved (ha)	
RM2	1.61	
RM9		1.61

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1. a) All services disconnected in coordination with service providers and all associated service infrastructure removed from site. 1. b) All hazardous building materials removed by appropriately licensed contractors. 1. c) All infrastructure (buildings, sheds, fixed assets) demolished, and demolition waste removed from site for recycling or disposal at an appropriately licensed facility, unless otherwise agreed for retention by all stakeholders (RM9). 1. d) All limestone feed stock not used for surface water management structures will be removed from stockpiles in RA1 and placed in the void. 1. f) All bitumen in RA8 removed and disposed of at an appropriately licensed facility. 1. g) Sediment dam (RA4) water quality is analysed for total metals/metalloids (As, Cd, Cr, Cu, Ni, Pb, Se, Zn) and hydrocarbons as per suite B (as documented in Section 3.7.2 of the Murgon Operations Progressive Rehabilitation and Closure Plan) prior to dewatering. Results must comply with ARM CANZ & ANZECC (2000) guidelines for stock water (cattle) prior to dewatering. 1. h) Sediment dam (RA4) dewatered into the residual void (RA6).
RM2	Contaminated land assessment and remediation	2. a) Contaminated land investigation for all areas that are identified as containing a source of contamination undertaken by an AQP¹. 2. b) All contaminated material is to be removed from the site unless onsite remediation is being undertaken. 2. c) Contaminated material removed from site has been removed in accordance with relevant regulations. 2. d) A contaminated land investigation document has been prepared by an AQP, containing a site suitability statement confirming that land is not contaminated and is suitable for the proposed PMLU.
RM3	Landform development	3. a) An AQP¹ has confirmed that geotechnical stability of the residual void walls (i.e., a factor of safety value of ≥ 1.3) has been achieved. 3. b) Surface aggregate from RA5 and RA7 removed to a depth of 300 mm and

Milestone reference	Rehabilitation milestone	Milestone criteria
		placed in the floor of the residual void (RA6). 3. c) All temporary and permanent Erosion and Sediment Control Structures have been designed and installed with reference to Best Practice Erosion & Sediment Control series (IECA 2008 or the most recent version). 3. d) Average slope of areas to be revegetated does not exceed 15% (RA1 – RA3). 3. e) Average slope of areas to be revegetated does not exceed 10% (RA4, RA5, RA7, RA9). 3. f) Unsealed tracks (RA7) graded to conform to the surrounding landform. 3. g) Sediment dam bund pushed onto dam and levelled (RA4) and the final (consolidated) landform surface will be water shedding. 3. h) All bores decommissioned in accordance with the Minimum Construction Requirements for Water Bores in Australia (National Uniform Drillers Licensing Committee 2020) or most recent version.
RM4	Surface preparation	4. a) All areas to be revegetated ripped to a depth of 500 mm at 500-800 mm spacings (RA1 - RA5 , RA7, RA9). 4. b) Haul roads/access tracks within the residual void (RA6) ripped to a depth of 500 mm at 500-800 mm spacings. The exposed void floor (RA6) has been scarified. 4. c) Prior to application, stockpiled topsoil or imported topsoil has been assessed by an AQP¹ to confirm it is suitable for target vegetation establishment. All sources and volumes of imported topsoil will be documented and locations where imported topsoil is used onsite recorded for reporting requirements. Source locations will exclude areas known to contain declared weeds (defined as a Category 2, 3, 4 or 5 restricted matter under the <i>Biosecurity Act 2014</i>). 4. d) Topsoil placed to an average depth of 150 mm (RA1 - RA5, RA7, RA9). 4. e) Onsite and imported topsoils quality will be assessed by an AQP¹ and fertiliser / ameliorants applied at recommended rates prior to seeding for RA1 - RA5, RA7, RA9. 4. f) Active³ soil erosion and development of rills and gullies is repaired prior to seeding.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM5	Revegetation	5. a) Seeding with Black Spear Grass (<i>Heteropogon contortus</i>) and Forest Bluegrass (<i>Bothriochloa bladhii</i> ssp. <i>glabra</i>) at a rate of 2 kg/ha each, and Lotonis (<i>Lotononis bainesii</i>) at 0.3 kg/ha, has been completed (RA1-RA5, RA7, RA9). 5. b) Pasture species germination and establishment have been assessed within 2 months of seeding. If any of the maintenance treatment triggers identified in Section 3.7.5 of the Murgon Operations Progressive Rehabilitation and Closure Plan have occurred, the maintenance treatments nominated in Section 3.7.5 of the Murgon Operations Progressive Rehabilitation and Closure Plan have been applied as required.
RM6	Achievement of surface requirements (grazing)	6. a) The rehabilitation monitoring program has been implemented in accordance with section 3.7 of the Murgon Operations Progressive Rehabilitation and Closure Plan . 6. b) Bare ground % is equivalent to at least a “fair” condition as defined by Future Beef (https://futurebeef.com.au/resources/land-condition/). 6. c) Native or introduced desirable palatable and productive species trending towards at least 50% of the vegetative ground cover. 6. d) Pasture standing biomass is >45% and trending towards 75% of average standing biomass of reference areas selected according to Section 3.7.1.5 of the Murgon Operations Progressive Rehabilitation and Closure Plan. 6. e) The cover of declared plant pest species will be no more than one rating² greater than the average cover class recorded in reference areas selected according to Section 3.7.1.5 of the Murgon Operations Progressive Rehabilitation and Closure Plan. 6. f) No active³ gullies >1.0 m depth. 6. g) Any gullies <1.0 m >0.3m to have shown progressive stabilisation (i.e., have become partly stabilised or stabilised)⁴ over successive annual monitoring events. 6. h) Temporary Erosion and Sediment Control Structures removed.
RM7	Achievement of post-mining land use to stable condition (grazing)	7. a) An assessment of carrying capacity by an AQP¹ demonstrates a sustainable grazing outcome has been achieved.

Milestone reference	Rehabilitation milestone	Milestone criteria
		7. b) No active³ gullies >0.3 m depth. 7. c) Bare ground % is equivalent to at least a “fair” condition as defined by Future Beef (Land condition - https://futurebeef.com.au/resources/land-condition/). 7. d) Native or introduced desirable palatable and productive species trending towards at least 50% of the vegetative ground cover. 7. e) Pasture standing biomass is $\geq 75\%$ of reference areas selected according to Section 3.7.1.5 of the Murgon Operations Progressive Rehabilitation and Closure Plan. 7. f) The cover of declared plant pest species will be no more than one rating² greater than the average cover class recorded in reference areas selected according to Section 3.7.1.5 of the Murgon Operations Progressive Rehabilitation and Closure Plan.
RM8	Achievement of post-mining land use to stable condition (water storage)	8. a) An AQP¹ has confirmed that geotechnical stability of the residual void walls (i.e., a factor of safety value of ≥ 1.3) has been achieved. 8. b) Access to the residual void is restricted by the installation of an appropriate abandonment barrier (bund and/or fence) located at least 10 m beyond the area potentially affected by void wall instability as specified in Section 3.5.12.3 of the Murgon Operations Progressive Rehabilitation and Closure Plan. 8. c) Safety signage designed in accordance with relevant Australian Standards erected at a minimum of 100 m intervals. 8. d) An AQP¹ confirms that the residual void walls drain internally to the residual void. 8. e) RA6 and RA8 water quality physico chemical indicators do not exceed the trigger values for livestock (beef cattle) drinking water defined in Australian and New Zealand Guidelines for Fresh and Marine Water Quality – Volume 3 Primary Industries — Rationale and Background Information Sections 9.3.4 & 9.3.5 (ANZECC and ARMCANZ 2000) (RA6, RA8).
RM9	Retained infrastructure	9. a) Infrastructure to be retained has been signed off by an AQP¹ as being safe, stable and non-polluting.

Milestone reference	Rehabilitation milestone	Milestone criteria
		9. b) A formal agreement is in place for transfer of liability associated with retained infrastructure.

Footnotes

1. AQP (appropriately qualified person) means a person who has professional qualifications, training, skills or 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.
2. Where Ratings are defined in the State Rural Leasehold Land Strategy: Guidelines for determining land condition prepared by the Department of Natural Resources and Mines (DNRM). Version 3.0 July 2013.
3. Active as defined in the Australian Soil and Land Survey Field Handbook (3rd Edition), The National Committee on Soil and Terrain published by CSIRO Publishing 2009.
4. Partly stabilised and stabilised as defined in the Australian Soil and Land Survey Field Handbook (3rd Edition), The National Committee on Soil and Terrain published by CSIRO Publishing 2009.

END OF **PRCP** SCHEDULE