

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_EPML00772013_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_EPML00772013_V1

PRCP schedule holder(s)

Name(s)	Registered address
Mt Coolon Gold Mines Pty Ltd ACN: 118 550 593	Endeavour Corporate, Suite 8, 7 The Esplanade MOUNT PLEASANT WA 6153

Location details

Location(s)
Mining Lease (ML) 70316

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

04/04/2023

Date

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

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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

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.
- PRCP4** Disturbance due to exploration activities in areas not authorised to be mined must be rehabilitated in accordance with the provisions 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* that achieves the relevant PMLU as indicated by Figure 1 Final Site Design.
- PRCP5** All rehabilitation must undergo monitoring and maintenance in accordance with the Progressive Rehabilitation and Closure Plan (v4 dated 14 November 2022) or as otherwise agreed with the administering authority.

*stable condition is defined by s111A of the *Environmental Protection Act 1994*

END OF CONDITIONS

Section B - Final site design and reference maps

Figure 1. Final Site Design

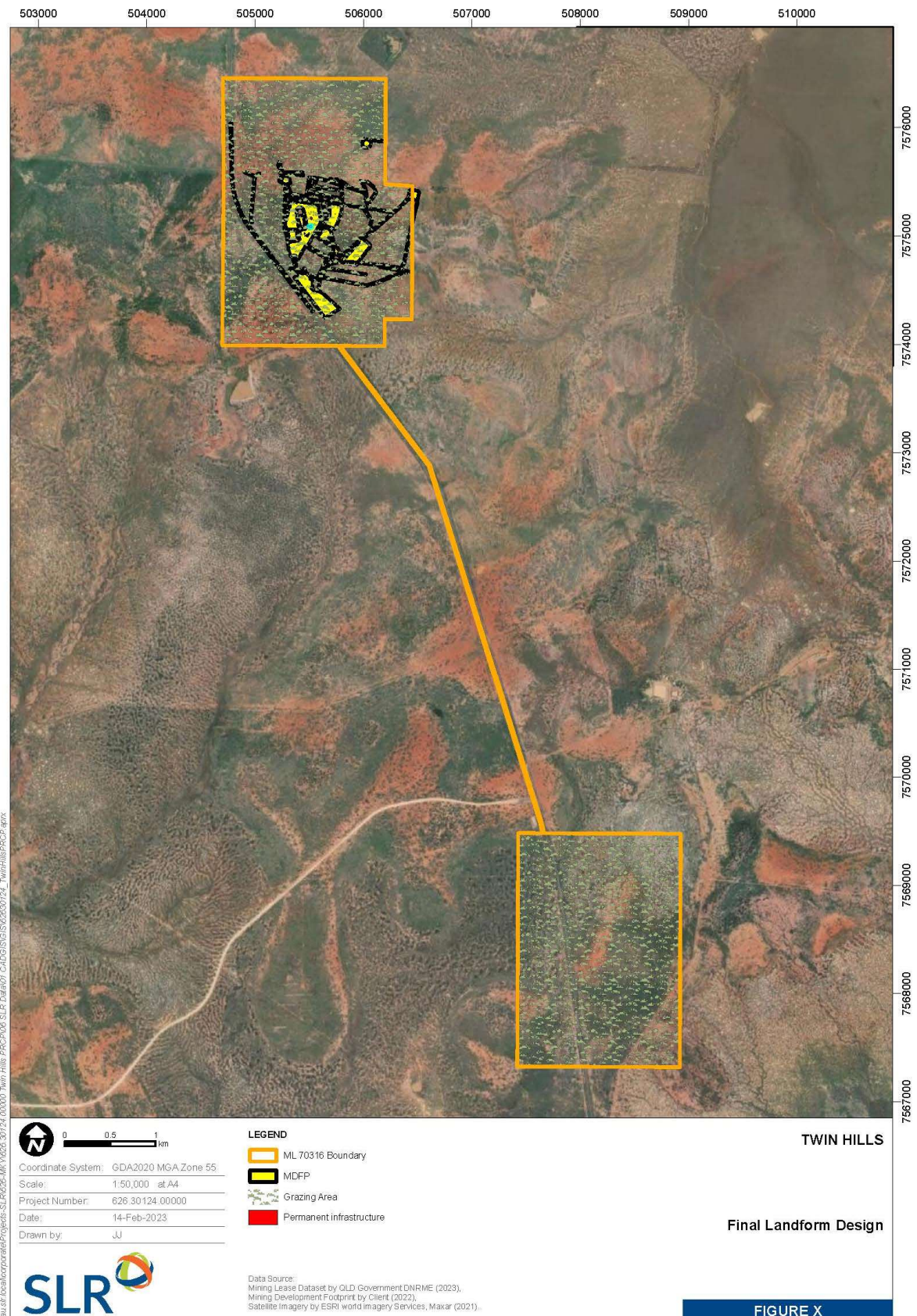
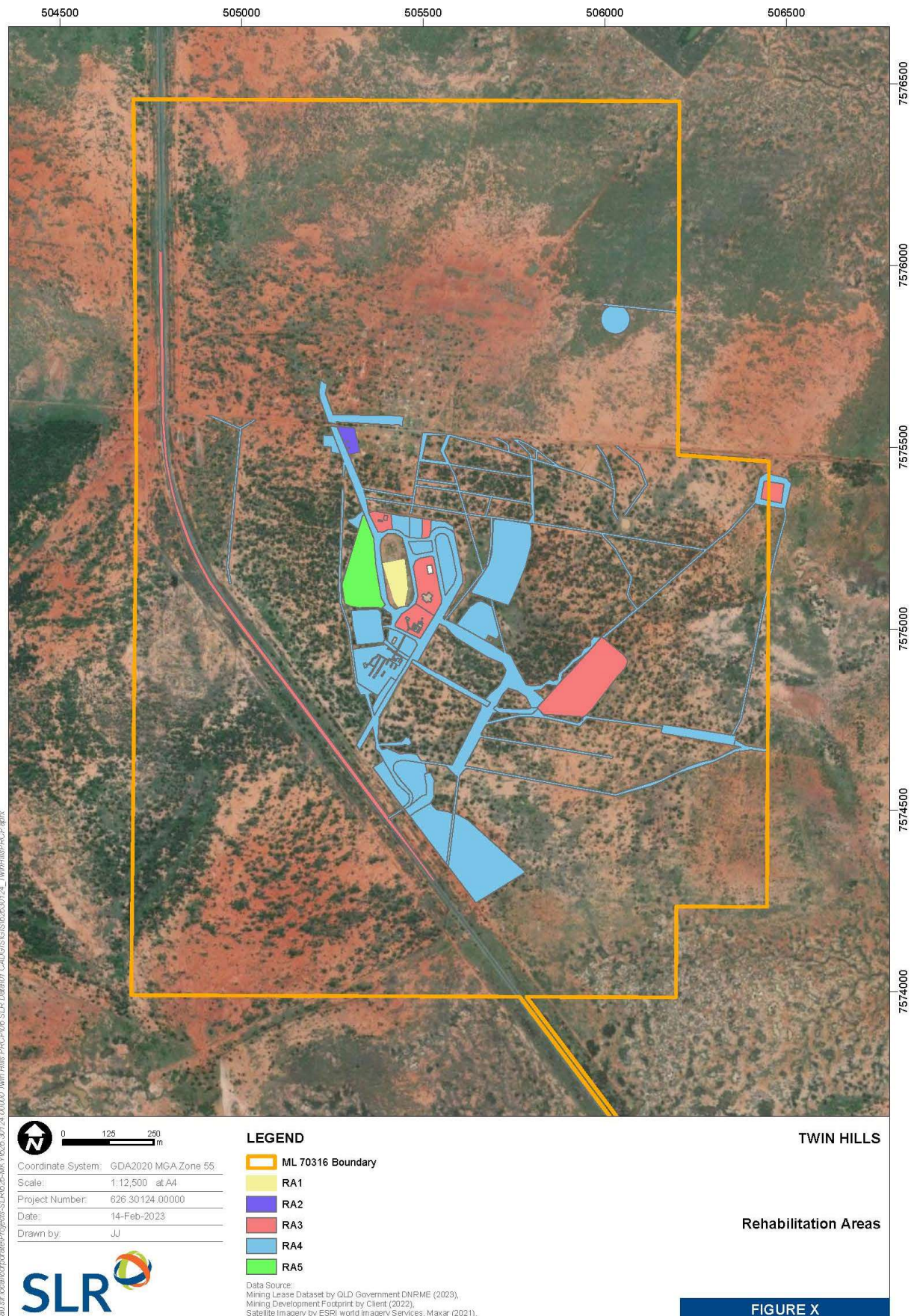


Figure 2. Reference Map – Rehabilitation Areas



Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)					
Rehabilitation area	RA1				
Relevant activities	Box Cut				
Total rehabilitation area size (ha)	0.57				
Commencement of first milestone: RM3	Dec-2032				
PMLU	Low Intensity Grazing				
Date area is available	10/12/32				
Cumulative area available (ha)	0.57				
Milestone completed by	10/12/34	10/12/35	10/12/36	10/12/39	10/12/44
Milestone Reference	Cumulative area achieved (ha)				
RM3	0.57				
RM4		0.57			
RM7			0.57		
RM9				0.57	
RM10					0.57

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)	
Rehabilitation area	RA2
Relevant activities	Vent Shafts
Total rehabilitation area size (ha)	0.29
Commencement of first milestone: RM5	Dec-2032
PMLU	Low Intensity Grazing
Date area is available	10/12/32
Cumulative area available (ha)	0.29
Milestone completed by	10/12/33
Milestone Reference	Cumulative area achieved (ha)
RM5	0.29

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)						
Rehabilitation area	RA3					
Relevant activities	Evaporation Dam , Explosives magazine, Core shed and Geological work area					
Total rehabilitation area size (ha)	6.63					
Commencement of first milestone: RM1	Dec-2034					
PMLU	Low Intensity Grazing					
Date area is available	10/12/34					
Cumulative area available (ha)	6.63					
Milestone completed by	10/12/35	10/12/36	10/12/37	10/12/38	10/12/41	10/12/46
Milestone Reference	Cumulative area achieved (ha)					
RM1	6.63					
RM2		6.63				
RM3			6.63			
RM6				6.63		
RM7				6.63		
RM8					6.63	
RM10						6.63

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)					
Rehabilitation area	RA4				
Relevant activities	Various roads and tracks, Surface Infrastructure, Administrative offices, Workshops , Topsoil stockpiles and Laydown yards				
Total rehabilitation area size (ha)	27.64				
Commencement of first milestone: RM1	Dec-2034				
PMLU	Low Intensity Grazing				
Date area is available	10/12/34				
Cumulative area available (ha)	27.64				
Milestone completed by	10/12/35	10/12/37	10/12/38	10/12/41	10/12/46
Milestone Reference	Cumulative area achieved (ha)				
RM1	27.64				
RM3		27.64			
RM6			27.64		
RM7			27.64		
RM8				27.64	
RM10					27.64

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)					
Rehabilitation area	RA5				
Relevant activities	Waste Rock Dump				
Total rehabilitation area size (ha)	1.78				
Commencement of first milestone: RM3	Dec-2032				
PMLU	Low Intensity Grazing				
Date area is available	10/12/32				
Cumulative area available (ha)	1.78				
Milestone completed by	10/12/34	10/12/35	10/12/36	10/12/39	10/12/44
Milestone Reference	Cumulative area achieved (ha)				
RM3	1.78				
RM2		1.78			
RM6			1.78		
RM7			1.78		
RM8				1.78	
RM10					1.78

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure Decommissioning and Removal	1. a) Certification that all bores have been rehabilitated in accordance with the 'Minimum Construction Requirements for Water Bore in Australia' (Australian Government, 2012); 1. b) All infrastructure has been decommissioned and removed from site; 1. c) Any infrastructure retained has a written agreement from the current landholder; 1. d) All concrete and demolition waste has been disposed of at a licenced waste facility; 1. e) All services have been terminated. 1. f) All fencing that is not part of the PMLU requirements removed. 1. g) All rubbish removed from the site and lawfully disposed of.
RM2	Remediation of Contaminated Land	2. a) Completion of a preliminary contaminated land investigation has been undertaken. 2. b) Certification by the appropriately qualified person (AQP)¹ that all measures required by the preliminary contaminated land investigation have been implemented. 2. c) A site validation report and site suitability statement has been issued by the (AQP). 2. d) The site validation report and site suitability statement confirm that no contamination resulting from the mining activities is occurring and the uses or activities for which the land is suitable, align to the approved PMLU for the site.
RM3	Landform Development and reshaping/reprofiling	3. a) All major earthworks completed to achieve required landform and slopes to the final landform design plans certified by an AQP. 3. b) Installation of erosion and sediment control systems to design and certified by an AQP. 3. c) Waste rock materials removed from RA5 and transferred to RA1.
RM4	Installation of Cover System	4. a) Installation of Cover Design in accordance with Appendix G of the PRC Plan: ATC Williams 2021, <i>Closure Design – Waste Rock Dump & Underground Mine Workings</i>, Draft Design Report no. 112414_16 R01 and Drawings no. 112414.16-000-002 - 112414.16-000-004; 4. b) Area is shaped as per Appendix G of the PRC Plan: ATC Williams 2021, <i>Closure Design – Waste Rock Dump & Underground Mine Workings</i>, Draft Design Report no. 112414_16 R01 and Drawings no. 112414.16-000-002-112414.16-000-004; and 4. c) An AQP has certified that the cover system and landform has been constructed in accordance with the design documents mentioned in 4a), 4b) and 4e). 4. d) Installation of two instruments to measure water flux have been installed at the approximate locations specified in Appendix G of the PRC Plan: ATC Williams 2021, <i>Closure Design – Waste Rock Dump &</i>

Milestone reference	Rehabilitation milestone	Milestone criteria
		<i>Underground Mine Working</i>, Draft Design Report no. 112414_16 R01 Drawing no. 112414.16-000-002 and specification in Drawing no. 112414.16-000-004. 4. e) Site drainage has been constructed in accordance with Appendix G of the PRC Plan: ATC Williams 2021, <i>Closure Design – Waste Rock Dump & Underground Mine Working</i>, Draft Design Report no. 112414_16 R01 and Drawing no. 112414.16-000-005.
RM5	Installation of Vent Shaft Cover	5. a) An AQP has certified that the installation of vent shafts capping has been undertaken in accordance with Appendix G of the PRC Plan: ATC Williams 2021, <i>Closure Design – Waste Rock Dump & Underground Mine Workings</i>, Draft Design Report no. 112414_16 R01 and Drawing no. 112414.16-000-004; 5. b) Installation of fencing and signage with 15 m set back from 3 m diameter vent shafts and 10 m set back from 1.2 m diameter vent shaft; and 5. c) Certification from an AQP that the area is safe and stable.
RM6	Surface Preparation	6. a) An assessment of soil health and suitability has been completed by an AQP to confirm soil is suitable for target vegetation establishment and recommendation of amelioration / fertiliser requirements; 6. b) Topsoil application at a minimum depth of 0.15 m; and 6. c) Area deep ripped to approximately 300 mm depth.
RM7	Revegetation	7. a) Fertilisation with 300 kg/ha of Diammonium Phosphate fertiliser (DAP) Fertiliser or as recommended by the soil health and suitability assessment report undertaken at RM6 a); 7. b) Completed seeding of target species using a combination of 4-5 kg/ha tree seed and 20-30 kg/ha of grass seed from Table 1²; and 7. c) Livestock access has been restricted until vegetation has established. 7. d) Ameliorants applied according to the recommendations of the assessment undertaken at RM6 a) to address soil and or growth medium limitations.
RM8	Achievement of Surface Requirements	8. a) An average of >250 stems / ha, of which at least 10% are Eucalypt; 8. b) All areas have been topsoiled and have a mean vegetation cover of ≥60%; New recruits are occurring from 60% of the understorey species. 8. c) No active areas of rill or gully erosion and drainage follows appropriate pathways. 8. d) No evidence of erosion classified as 'Severe'³. 8. e) Minimum of 4 perennial species established. 8. f) Weeds⁴ presence is at a maximum of 10 % of total vegetation cover.

Milestone reference	Rehabilitation milestone	Milestone criteria
		8. g) Stormwater management in Appendix G of the PRC Plan: ATC Williams 2021, <i>Closure Design – Waste Rock Dump & Underground Mine Working</i> , Draft Design Report no. 112414_16 R01 Drawings no. 112414.16-000-005 has been decommissioned and removed.
RM9	Achievement of Cover System Requirements	9. a) Mean vegetation cover of $\geq 60\%$; 9. b) Water flux less than 5.7 mm/annum; 9. c) Moisture content greater than 8 % of saturation for at least 100 days per year; 9. d) No active areas of rill or gully erosion and drainage follows appropriate pathways. 9. e) No evidence of erosion classified as 'Severe' ³ . 9. f) Minimum of 4 perennial species established. 9. g) Weeds presence is at a maximum of 10 % of total vegetation cover. 9. h) Moisture content greater than 12 % for at least 70 days each year. 9. i) Geotechnical assessment by an AQP confirming that the long term geotechnical stability has been achieved.
RM10	Achievement of Post-Mining Land Use	10. a) All areas have been topsoiled and have a mean vegetation cover of $\geq 60\%$; 10. b) $\geq 70\%$ species diversity of tree and shrub species are native; the remaining 30% species diversity are pasture species. 10. c) $\geq 30\%$ of trees monitored are seedlings (<1.3 m high) and recruitment is occurring on at least 60% of the area. 10. d) Weeds are at a maximum of 10% of vegetation cover. 10. e) No active areas of rill or gully erosion and drainage follows appropriate pathways; 10. f) No evidence of erosion classified as 'Severe' ³ . 10. g) Surface water runoff quality on site complies with the most current version of the contaminant limits in Table E1 of the environmental authority (EPML00772013) except for the parameters listed in Table 2 ⁵ . 10. h) Groundwater quality complies with the limits in Table E5 of the environmental authority (EPML00772013); 10. i) Meets a Class 4 Land Suitability assessment as per the Guidelines for Agricultural Land Evaluation in Queensland (2015) ⁶ . 10. j) Minimum of 4 perennial species established. 10. k) Native pasture grass, tree and shrub species show evidence of seed set, germination and emergence.

Milestone reference	Rehabilitation milestone	Milestone criteria
		10. l) Rehabilitation does not require land management inputs greater than the surrounding equivalent land use. 10. m) Certification from an AQP that the land has achieved stable condition⁷. 10. n) Certification from an AQP that long term geotechnical stability has been achieved. 10. o) A contaminated land survey carried out by an AQP shows that no contamination unsuitable for the PMLU is occurring from the mining activity. 10. p) Certification from an AQP that the cover system is functioning as designed. 10. q) There is no evidence of water ponding or salt scalding on RA1.

¹Appropriately 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 relating to the subject matter using the relevant protocols, standards, methods or literature.

²Table 1: Revegetation species and seeding rates

Description Scientific	Scientific name	Common name
Pasture Species/Ground Cover (all species to be sown with each sowing)	3P grasses recommended by NQ Dry Tropics, Grazing Land Systems (3p grasses Burdekin Dry Tropics NRM Plan) (Grazing Land Systems Burdekin Dry Tropics NRM Plan (nqdrytropics.com.au)) Typical 3P grasses are: • Black speargrass (<i>Heteropogon contortus</i>), • Brigalow grass (<i>Paspalidium species</i>),	

Description Scientific	Scientific name	Common name
	• Bull Mitchell grass (<i>Astrebla squarrosa</i>), • Curly bluegrass (<i>Dichanthium fecundum</i>), • Desert mitchell grass [Desert bluegrass] (<i>Bothriochloa ewartiana</i>), • Forest bluegrass (<i>Bothriochloa bladhii</i>), • Giant speargrass (<i>Heteropogon triticeus</i>), • Golden beard grass (<i>Chrysopogon fallax</i>), • Green couch (<i>Cynodon dactylon</i>), • King bluegrass (<i>Dichanthium queenslandicum</i>), • Mitchell grass (<i>Astrebla species</i>), • Native millet (<i>Panicum decompositum</i>), • Queensland blue grass (<i>Dichanthium sericeum</i>), • Tall cup grass (<i>Eriochloa crebra</i>) and	

Description Scientific	Scientific name	Common name
	Windmill grass/es (<i>Enteropogon species</i>).	
Native Habitat – Open Forest/ Reid River Box Mixed Woodland	<i>Acacia salicina</i>	Sally Wattle
	<i>Acacia holosericea</i>	Strap Wattle
	<i>Eremophila mitchelli</i>	False sandalwood
	<i>Acacia pendula</i>	Myall
	<i>Eucalyptus cambageana</i>	Dawson Gum
	<i>Alstonia constricta</i>	Quinine bush
	<i>Lysiphyllum hookeri</i>	Pegunny
	<i>Atalaya hemiglauca</i>	Whitewood
	<i>Eucalyptus brownie</i>	Reid River box
	<i>Eucalyptus populnea</i>	Poplar Box
	<i>Eucalyptus thozetiana</i>	Thozets Ironbox
	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark
	<i>Erythrina vespertilio</i>	Bats-winged coral tree
	<i>Eucalyptus. orgadophila</i>	Mountain Coolibah
	<i>Corymbia dallachyana</i>	Ghost gum
	<i>Corymbia intermedia</i>	Pink bloodwood
	<i>Alectryon diversifolium</i>	Scrub boonaree
	<i>Santalum lanceolatum</i>	Sandalwood
	<i>Grevillea parallela</i>	Silver oak
	<i>Ehretia membranifolia</i>	Peach bush

Description Scientific	Scientific name	Common name
	<i>Bursaria incana</i>	Prickly pine
	<i>Apophyllum anomalum</i>	Broom bush
	<i>Acalyphy capillipes</i>	Small-leaved acalypha

³Erosion classification framework:

Erosion classification	Minor	Moderate	Severe
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope, etc.	Loss of surface horizons; root exposure, etc.
Rill/gully erosion	<0.3m deep	0.3m deep	>0.3m deep
Tunnel erosion	-	-	Present
Mass movement	-	-	Present

Source: Neldner, V.J., Wilson, B.A., Dillewaard, H.A., Ryan, T.S., Butler, D.W., McDonald, W.J.F, Addicott, E.P. and Appelman, C.N. 2020, *Methodology for survey and mapping of regional ecosystems and vegetation communities in Queensland*. Version 5.1. Updated March 2020. Queensland Herbarium, Queensland Department of Environment and Science, Brisbane.

⁴Weed means weeds classified as Category 3 restricted invasive plant species from the *Biosecurity Act 2014*.

⁵Table 2 Surface water contaminants limits

Parameter	Unit	Test Value	Contaminant Limit
EC	µS/cm	Maximum	190 ¹
Sulphate	mg/L	Maximum	38 ¹
Turbidity	mg/L	Maximum	220 ²

1¹ *Evaporation Pond water quality (2013 – 2021) summary statistics (C & R Consulting 2021)*

2. Suttor River Sub-basin Environmental Values and Water Quality Objectives Part of Basin 120, including all surface waters of Belyando, Cape-Campaspe, and Suttor River catchments, including Burdekin Falls Dam, Table 2 Aquatic ecosystem water quality objectives – Suttor River Sub-basin freshwater high flow for Logan Creek.

⁶Department of Science, Information Technology and Innovation and Department of Natural Resources and Mines (2015) Guidelines for Agricultural Land Evaluation in Queensland (Second Edition), State of Queensland or later version.

⁷Land in a stable condition as defined in section 111A of the *Environmental Protection Act 1994*:

111A Meaning of stable condition

Land is in a stable condition if—

- (a) the land is safe and structurally stable; and
- (b) there is no environmental harm being caused by anything on or in the land; and
- (c) the land can sustain a post-mining land use.

END OF PRCP SCHEDULE