

PRCP schedule

Environmental Protection Act 1994

PRCP schedule P-PRCP-100923537

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: P-PRCP-100923537

PRCP schedule holder(s)

Name(s)	Registered address
AIC Copper Pty Ltd	Suite 3, 130 hay Street SUBIACO WA 6008

Location details

Location(s)
Mining Lease (ML) 90064, ML90080, ML90086, ML90155

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

17 October 2025

Date

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

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Queensland
Government

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 D - Non-use management areas.

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** All mining disturbance authorised under environmental authority (EA) EPML00818113 must have an associated rehabilitation outcome provided in this 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) Unless otherwise agreed to by the administering authority in writing, within 90 business days of the land becoming 'available for rehabilitation', apply to the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition, including bring forward achievement of relevant milestones and criteria.

Notes:

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 and economical.
5. The dates by which milestones are to be completed is brought forward, to the extent it is reasonably practicable to do so, by the same amount of time as the commencement was brought forward.

- PRCP4** Where an area achieves a rehabilitation or management 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 (PMLU), 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:

- (a) the monitoring and maintenance program described in the rehabilitation planning part for the activity version 2; and;
- (b) any requirement under this schedule; and
- (c) as necessary to demonstrate achievement of each rehabilitation milestone or management milestone criteria.

Note: Where there is any inconsistency between this schedule and the rehabilitation planning part, the schedule criteria prevail to the extent of the inconsistency.

PRCP8 The holder must make and keep up to date records on:

- (a) Achievement and maintenance of each rehabilitation milestone criteria of this schedule;
- (b) 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, photos, waste tracking and disposal records, appropriately qualified person details and assumptions);
- (c) Maintenance of rehabilitation and the results of maintenance activities;
- (d) Monitoring of rehabilitation and the results of monitoring;
- (e) Details and results of rehabilitation trials;
- (f) Designs, drawings, specifications and any similar documents developed in accordance with good professional practice in relation to rehabilitation milestones or milestone criteria;
- (g) 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;
- (h) Landholder agreements;
- (i) Details of community consultation in the community consultation register relating to rehabilitation and closure activities.

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 AQP designs, specifications, certifications, assessments and any similar documents, must:

- a) include documented consideration of any relevant guideline or publication material, including material published by the administering authority.
- b) detail the boundary conditions (of any model);
- c) detail any assumptions made, limitations and areas of uncertainty; and
- d) contain sufficient detail to allow for independent peer review and substantiation.

PRCP12 Where the surface water quality at the downstream sites specified in **Table 3: Surface water and stream sediment monitoring locations** exceeds the upstream site result, an AQP must complete an assessment of the cause and risk of rehabilitation not achieving a stable condition within the schedule timeframe and:

- (a) Where there is a low risk to achieving a stable condition from the mining tenure, then no further action is to be taken; or

- (b) Where there is a risk greater than low to achieve a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented.

- PRCP13** Where the groundwater quality at compliance monitoring bores specified in **Table 5: Groundwater monitoring locations**, exceeds the limits specified in **Table 6: Groundwater quality limits** and as per RM13.I), an AQP must complete an assessment of the cause of the exceedance and risk of rehabilitation not achieving a stable condition within the schedule timeframe and:
- a) Where there is a low risk to achieving a stable condition from the mining tenure, then no further action is to be taken; or
 - b) Where there is a risk greater than low to achieve a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented.
- PRCP14** Where the stream sediment quality at the downstream site exceeds the limits specified under RM13.j), an AQP must complete an assessment of the cause of the exceedance and risk of rehabilitation not achieving a stable condition within the schedule timeframe and:
- a) Where there is a low risk to achieving a stable condition from the mining tenure, then no further action is to be taken; or
 - b) Where there is a risk greater than low to achieve a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented.
- PRCP15** The assessment/s under PRCP12 to PRCP14 must be completed and provided to the administering authority within 3 months of receiving the relevant sampling results.
- PRCP16** PRCP12(a) can be triggered 3 times over 5 consecutive years prior to surrender.
- PRCP17** If PRCP12(b) is triggered, the 5 year timeframe under RM13 is reset, unless agreed by the administering authority.
- PRCP18** An independent AQP must revise and update the numerical groundwater model that includes projections of groundwater levels and flow directions for a minimum period of 200 years post-closure. The holder must provide the updated model to the administering authority no later than 30 June 2042.
- PRCP19** If the updated numerical groundwater model identifies changes to the schedule being required to achieve the rehabilitation objectives, the holder must amend the schedule as per the EP Act, within 6 months of the PRCP17 completion.
- PRCP20** Disturbance due to exploration and minor activities in areas not planned to be mined within a rehabilitation area 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 includes achieving the relevant post mine land use as indicated by Figure 1 Final Site Design.
- PRCP21** Before 30 September 2031 the holder must for each relevant structure provide to the administering authority an AQP prepared and peer reviewed, landform closure design report, which includes detailed engineering designs and a durability assessment.
- PRCP22** The landform closure design report must at a minimum for the relevant structures include:
- a) Design aims and objectives of final landform, including the cover system and batters,
 - b) The intended design life of the component parts of each relevant structure including the cover, plateau, batters, access points, water management, and associated monitoring network,
 - c) Quality assurance and quality control required during construction,

- d) How the cover system achieves a performance outcome equivalent to or better than the design provided in Appendix M (Eloise Copper Mine Tailings Storage Facility Closure Plan) of the PRC Plan dated 31 May 2024.
- e) How the cover system performance will be demonstrated,
- f) How the landform achieves acceptable geotechnical and erosional stability,
- g) How the landform achieves an acceptable water quality outcome,
- h) How redundancy of the monitoring network has been identified and built into the final design,
- i) How the design, including the component parts supports the achievement of the nominated PMLU,
- j) How the design is consistent with the durability assessment,
- k) The critical design elements and associated assessment that support the achievement of a stable condition, and
- l) Where any assumed or inferred material properties have been used in the design or its assessment (inclusive of modelling), detailed discussion justifying why actual/measured properties were not used, how uncertainties regarding material properties may affect performance, and how those uncertainties are managed.

PRCP23

The durability assessment required in PRCP21 must include:

- a) Specified nominated design life of the component parts of the relevant structures including the cover, plateau, batters, access points and water management features,
- b) The systematic identification and analysis of potential failure modes for the component parts of the relevant structures (including the cover, plateau, batters, access points and water management features),
- c) An explanation of how each failure mode has been considered in the design and designed out, to the extent practicable,
- d) Where a failure mode could not be designed out, the control measures that are required and their residual risks,
- e) How the design has been developed to allow for the future practical repair of the component parts of the structure, should any of the potential failure modes be realised either during or after the nominated design life; and
- f) Details of the minimum monitoring required to detect each potential failure mode, including the type of monitoring, location/s, frequency and performance indicators, to demonstrate ongoing stability and performance in support of achieving a stable condition. This must include measurable time-based criteria to detect the development of potential failure modes.

PRCP24

The documents required under PRCP21 (detailed in PRCP22 and PRCP23) must be independently peer reviewed.

Both the AQP and independent peer reviewer must provide a certification, that the landform closure design report is fit for purpose, prepared in accordance with good professional practice and if constructed as per the landform closure design report the rehabilitated landform will achieve a stable condition in a post-closure context.

PRCP25

Monitoring must be conducted equivalent to or better than the monitoring type and frequency as specified in the durability assessment required in PRCP23.

PRCP26

The currency of the landform closure design report, including the durability assessment must be

maintained, and the report updated as often as necessary, to ensure that the relevant structures will achieve a stable condition that can be sustained.

Where the report has been updated, the certifications provided under PRCP24 must also be provided in relation to the updates.

PRCP27

On 30 June 2026, the water quality limits in Table 4 – Surface water quality limits and Table 6 – Groundwater quality limits will apply if the PRCP schedule has not been updated to include approved site specific values.

END OF CONDITIONS

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.
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.
Gully	A gully is a channel excavated by water, more than 0.3 m deep.
Independent AQP	is an AQP who is a third party, being independent of the PRCP schedule holder, and has not previously provided advice on the matter the subject of the review.
Independently peer reviewed	means a peer reviewer who is a third-party to the PRCP schedule holder and the AQP whose report is being reviewed and substantiated. 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.
Relevant material	includes: i. Final landform design report, ii. Durability assessment/ report, iii. “As Constructed” report; iv. All monitoring data

	v. Assessment of monitoring data, vi. All maintenance records; and vii. Modelling and technical assessments.
Relevant structure	To be defined during the assessment and listed here. Typically includes TSF and higher risk structures, including WRDs.
Rill	A rill is a channel excavated by water, less than 0.3 m deep.
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.
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.

Section C - Final site design and reference map



Figure 1: Final Site Design



Figure 2: Final Site Design - Infrastructure Area

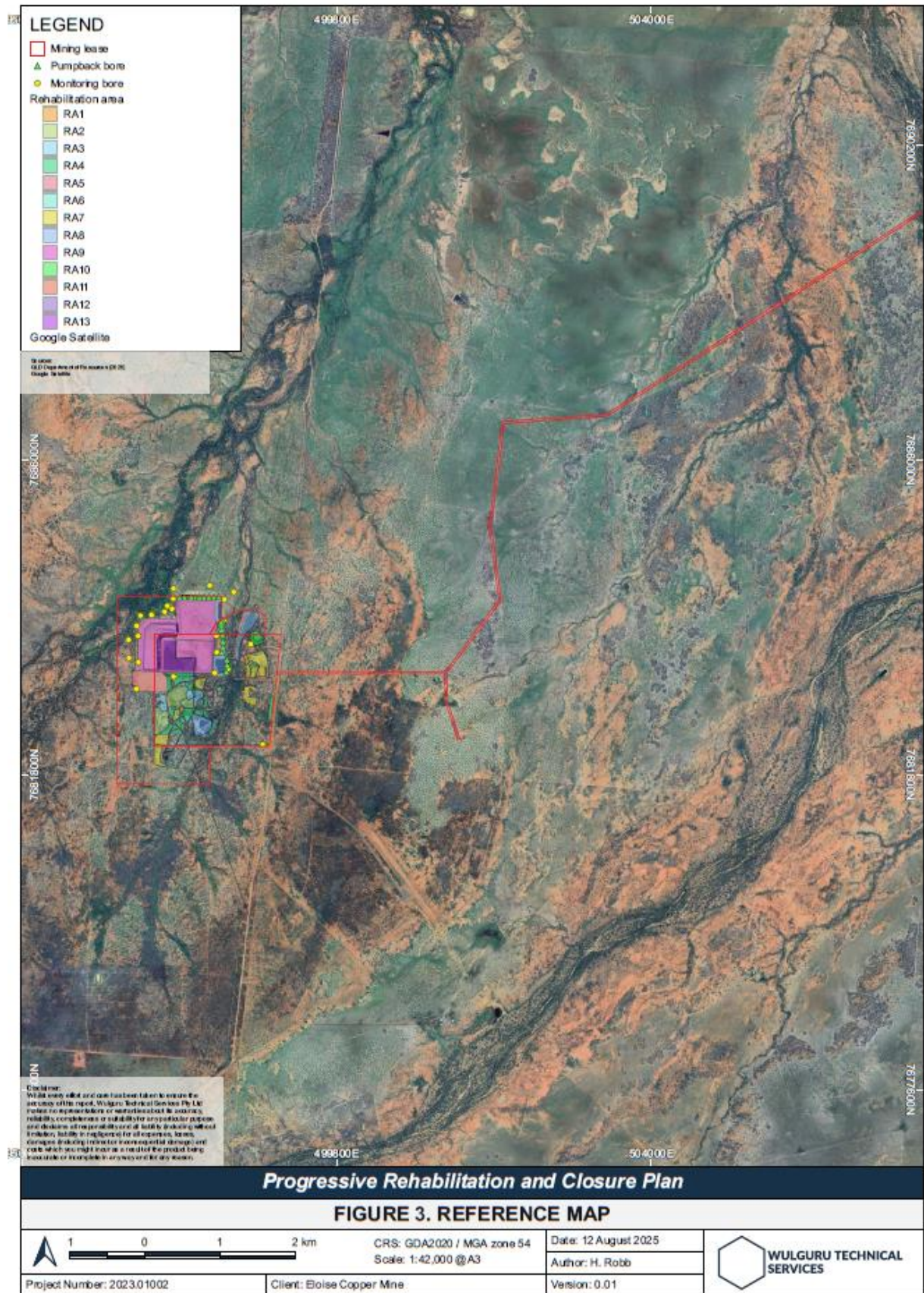


Figure 3: Reference Map

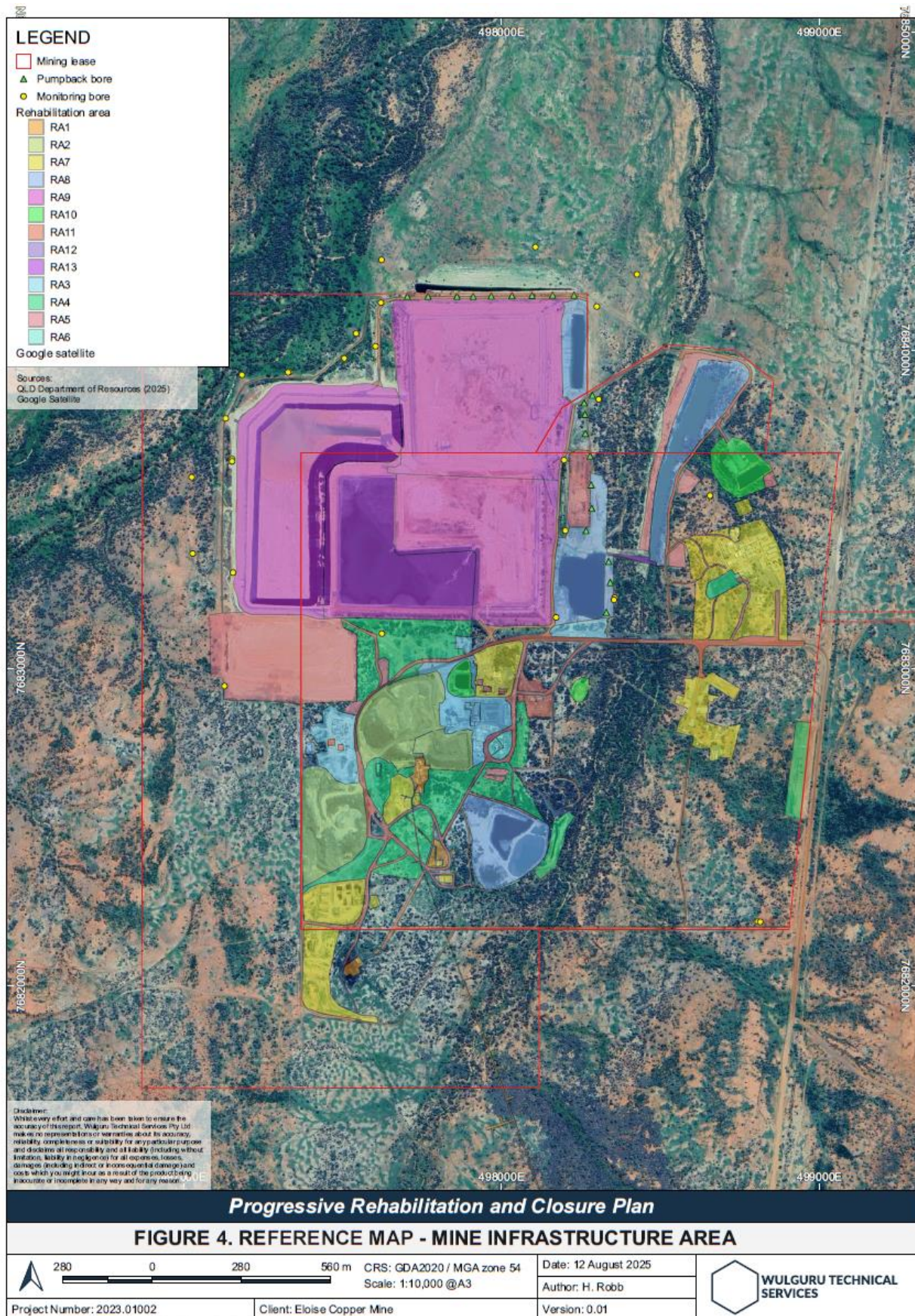


Figure 4: Reference Map - Mine Infrastructure Area

Section D – Post mining land uses**(RA1) Rehabilitation area 1**

Post-mining land uses (PMLU)					
Rehabilitation area	RA1				
Relevant activities	Underground				
Total rehabilitation area size (ha)	2.07				
Commencement of first milestone: RM1	10/12/2041				
PMLU	Low Intensity Grazing				
Date area is available	10/12/2041	10/12/2042	10/12/2043	10/12/2044	10/12/2049
Cumulative area available (ha)	2.07	2.07	2.07	2.07	2.07
Milestone completed by	10/12/2042	10/12/2043	10/12/2044	10/12/2049	10/12/2054
Milestone Reference	Cumulative area achieved (ha)				
RM1	2.07				
RM4		2.07			
RM5			2.07		
RM8			2.07		
RM9			2.07		
RM11				2.07	
RM13					2.07

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)					
Rehabilitation area	RA2				
Relevant activities	Mineral waste				
Total rehabilitation area size (ha)	13.9				
Commencement of first milestone: RM2	10/12/2037				
PMLU	Low Intensity Grazing				
Date area is available	10/12/2037	10/12/2041	10/12/2042	10/12/2043	10/12/2048
Cumulative area available (ha)	13.9	13.9	13.9	13.9	13.9
Milestone completed by	10/12/2041	10/12/2042	10/12/2043	10/12/2048	10/12/2053
Milestone Reference	Cumulative area achieved (ha)				
RM2	13.9				
RM3		13.9			
RM8			13.9		
RM9			13.9		
RM11				13.9	
RM13					13.9

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)					
Rehabilitation area	RA3				
Relevant activities	Plant and ore processing				
Total rehabilitation area size (ha)	7.59				
Commencement of first milestone: RM1	10/12/2037				
PMLU	Low Intensity Grazing				
Date area is available	10/12/2037	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	7.59	7.59	7.59	7.59	7.59
Milestone completed by	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2051
Milestone Reference	Cumulative area achieved (ha)				
RM1	7.59				
RM3		7.59			
RM5		7.59			
RM8			7.59		
RM9			7.59		
RM11				7.59	
RM13					7.59

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)				
Rehabilitation area	RA4			
Relevant activities	Laydown areas			
Total rehabilitation area size (ha)	17.89			
Commencement of first milestone: RM1	10/12/2036			
PMLU	Low Intensity Grazing			
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2043
Cumulative area available (ha)	17.89	17.89	17.89	17.89
Milestone completed by	10/12/2037	10/12/2038	10/12/2043	10/12/2048
Milestone Reference	Cumulative area achieved (ha)			
RM1	17.89			
RM5	17.89			
RM8		17.89		
RM9		17.89		
RM11			17.89	
RM13				17.89

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)			
Rehabilitation area	RA5		
Relevant activities	Topsoil stockpiles		
Total rehabilitation area size (ha)	17.3		
Commencement of first milestone: RM5	10/12/2043		
PMLU	Low Intensity Grazing		
Date area is available	10/12/2043	10/12/2044	10/12/2049
Cumulative area available (ha)	17.3	17.3	17.3
Milestone completed by	10/12/2044	10/12/2049	10/12/2054
Milestone Reference	Cumulative area achieved (ha)		
RM5	17.3		
RM9	17.3		
RM11		17.3	
RM13			17.3

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)				
Rehabilitation area	RA6			
Relevant activities	Fuel and power			
Total rehabilitation area size (ha)	0.51			
Commencement of first milestone: RM1	10/12/2037			
PMLU	Low Intensity Grazing			
Date area is available	10/12/2037	10/12/2038	10/12/2039	10/12/2044
Cumulative area available (ha)	0.51	0.51	0.51	0.51
Milestone completed by	10/12/2038	10/12/2039	10/12/2044	10/12/2049
Milestone Reference	Cumulative area achieved (ha)			
RM1	0.51			
RM3	0.51			
RM5		0.51		
RM8		0.51		
RM9		0.51		
RM11			0.51	
RM13				0.51

(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)					
Rehabilitation area	RA7				
Relevant activities	Mine infrastructure area				
Total rehabilitation area size (ha)	26.16				
Commencement of first milestone: RM1	10/12/2037				
PMLU	Low Intensity Grazing				
Date area is available	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2045
Cumulative area available (ha)	26.16	26.16	26.16	26.16	21.16
Milestone completed by	10/12/2038	10/12/2039	10/12/2040	10/12/2045	10/12/2050
Milestone Reference	Cumulative area achieved (ha)				
RM1	26.16				
RM3		26.16			
RM5			26.16		
RM8			26.16		
RM9			26.16		
RM11				26.16	
RM13					26.16

(RA8) Rehabilitation area 8

Post-mining land uses (PMLU)			
Rehabilitation area	RA8		
Relevant activities	Water storage (retained)		
Total rehabilitation area size (ha)	23.2		
Commencement of first milestone: RM1	10/12/2036		
PMLU	Water storage		
Date area is available	10/12/2036	10/12/2037	10/12/2039
Cumulative area available (ha)	23.2	23.2	23.2
Milestone completed by	10/12/2037	10/12/2039	10/12/2044
Milestone Reference	Cumulative area achieved (ha)		
RM1	23.2		
RM3		23.2	
RM14			23.2

(RA9) Rehabilitation area 9

Post-mining land uses (PMLU)					
Rehabilitation area	RA9				
Relevant activities	TSF (Tailings storage facility)				
Total rehabilitation area size (ha)	92.18				
Commencement of first milestone: RM1	10/12/2037				
PMLU	Engineered residual mineral waste facility				
Date area is available	10/12/2037	10/12/2038	10/12/2041	10/12/2042	10/12/2047
Cumulative area available (ha)	92.19	92.19	92.19	92.19	92.19
Milestone completed by	10/12/2038	10/12/2041	10/12/2042	10/12/2047	10/12/2052
Milestone Reference	Cumulative area achieved (ha)				
RM1	92.18				
RM6		92.18			
RM8			92.18		
RM9			92.18		
RM10				92.18	
RM12				92.18	
RM13					92.18

(RA10) Rehabilitation area 10

Post-mining land uses (PMLU)					
Rehabilitation area	RA10				
Relevant activities	Water storage				
Total rehabilitation area size (ha)	2.85				
Commencement of first milestone: RM1	10/12/2037				
PMLU	Low Intensity Grazing				
Date area is available	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2043
Cumulative area available (ha)	3.61	3.61	3.61	3.61	3.61
Milestone completed by	10/12/2038	10/12/2039	10/12/2040	10/12/2043	10/12/2048
Milestone Reference	Cumulative area achieved (ha)				
RM1	3.61				
RM3		3.61			
RM7			3.61		
RM8			3.61		
RM9			3.61		
RM11				3.61	
RM13					3.61

(RA11) Rehabilitation area 11

Post-mining land uses (PMLU)	
Rehabilitation area	RA11
Relevant activities	Infrastructure (retained)
Total rehabilitation area size (ha)	14.3
Commencement of first milestone: RM1	10/12/2036
PMLU	Infrastructure
Date area is available	10/12/2036
Cumulative area available (ha)	14.3
Milestone completed by	10/12/2037
Milestone Reference	Cumulative area achieved (ha)
RM1	14.3
RM3	14.3
RM15	14.3

(RA12) Rehabilitation area 12

Post-mining land uses (PMLU)		
Rehabilitation area	RA12	
Relevant activities	Bores	
Total rehabilitation area size (ha)	0.109	
Commencement of first milestone: RM1	10/12/2054	
PMLU	Bores	
Date area is available	10/12/2054	10/12/2055
Cumulative area available (ha)	0.109	0.109
Milestone completed by	10/12/2055	10/12/2060
Milestone Reference	Cumulative area achieved (ha)	
RM1	0.109	
RM13		0.109

(RA13) Rehabilitation area 13

Post-mining land uses (PMLU)	
Rehabilitation area	RA13
Relevant activities	Diversion
Total rehabilitation area size (ha)	0.17
Commencement of first milestone: RM14	10/12/2051
PMLU	Diversion
Date area is available	10/12/2051
Cumulative area available (ha)	0.17
Milestone completed by	10/12/2052
Milestone Reference	Cumulative area achieved (ha)
RM14	0.17

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1.a) All buildings and associated infrastructure dismantled and removed offsite except where agreed to in writing by the past mining land holder/owner. 1.b) All services disconnected, terminated and removed. 1.c) All hardstand and concrete areas are removed. 1.d) All pumps and pipelines drained and removed. 1.e) Waste removed and disposed either within the TSF or at a licenced facility. 1.f) All machinery and equipment not required for rehabilitation works removed from site. 1.g) All drillholes, bores, sediment ponds and sumps decommissioned. 1.h) An independent AQP has certified the achievement of RM1.a) - RM1.g).
RM2	Landform development and reshaping / re-profiling (RA2)	2.a) All material is removed from pads. 2.b) Natural drainage is reinstated. 2.c) Erosion and sediment control systems are installed as per the construction design and verified by an AQP. 2.d) An independent AQP has certified the achievement of RM2.a) - RM2.c).
RM3	Remediation of contaminated land	3.a) Contaminated water and sediment, if present, is removed from structure. 3.b) Contaminated Land Investigation Document completed in accordance with the <i>Environmental Protection Act 1994</i> , including a site investigation report, and, where required, a Validation Report and/or a draft Site Management Plan. 3.c) Contaminated and hazardous material either remediated in-situ or removed/transported to facility lawfully able to accept the material. 3.d) A declaration from a SQP confirms that no contamination unsuitable for the post-mining land use remains. 3.e) An independent AQP has certified the achievement of RM3.a) - RM3.d).
RM4	Underground backfill	4.a) Underground upper decline and portal backfilled with waste rock material and suitably compacted. 4.b) All ventilation shafts sealed to prevent unauthorised access to underground

Milestone reference	Rehabilitation milestone	Milestone criteria
		workings. 4.c) RA1 determined to be geotechnically stable by a suitably qualified geotechnical engineer. 4.d) 2 m bund is constructed around entrance to portal. 4.e) Surface subsidence generated depression, as determined by subsidence monitoring, is no greater than 500 mm. 4.f) Independent AQP has certified the achievement of RM4.a) - RM4.e).
RM5	Landform development and reshaping / re-profiling (RA3, RA4, RA5, RA6 & RA7)	5.a) Natural drainage is reinstated. 5.b) Erosion and sediment control systems are installed as per the construction design and verified by an AQP. 5.c) Independent AQP has certified the achievement of RM5.a) and RM5.b).
RM6	Landform development and reshaping / re-profiling (RA9)	6.a) Water is removed from TSF through evaporation or other methods. 6.b) An AQP certifies that all material used for capping material is not capable of generating NMD, SMD or AMD. 6.c) TSF constructed per final landform design report. 6.d) Cover system installed per final landform design report. 6.e) Quality assurance and quality control (QA/QC) per final landform design report, instrumentation installed and monitoring commenced per final landform design report and durability report. 6.f) An "As-Constructed Report" prepared and details and justifies all variations to the final landform design report, including a certification that such variations will not affect the design performance. 6.g) No surface water ponding observed. 6.h) Erosion and sediment control systems are installed as per the landform design report. 6.i) Constructed landform achieves geotechnical stability with a Factor of Safety (FOS) ≥ 1.5; and 6.j) Independent AQP has certified the achievement of RM2.a) - RM2.i).

Milestone reference	Rehabilitation milestone	Milestone criteria
RM7	Landform development and reshaping / reprofiling (RA10)	7.a) Liners removed. 7.b) Walls are pushed to infill structure and return to surface level. 7.c) Natural drainage is reinstated. 7.d) Erosion and sediment control systems are installed as per the construction design and verified by an AQP. 7.e) Independent AQP has certified the achievement of RM7.a) - RM7.d).
RM8	Surface preparation	8.a) Deep ripping of compacted surfaces, at least 300 mm into soil profile. 8.b) An assessment by an AQP of the need for soil amelioration and a physical treatment plan is completed on stockpiled material. 8.c) Ameliorants such as fertiliser, gypsum and/or organic matter have been applied as identified in criterion RM8.a). 8.d) Topsoil placement of a minimum depth of: (i) 0.10 m for TSF. (ii) 0.15 m for all other areas. 8.e) Topsoil to meet the following suitability targets: (i) pH in the range of 6 - 8.5; (ii) Electrical Conductivity (dS/m) ≤ 1.5 (1,500 $\mu\text{S/cm}$); and (iii) Exchangeable sodium percentage (ESP) (%) < 6. 8.f) Growth media health and suitability is assessed and documented by an AQP as suitable for the PMLU and target vegetation establishment. 8.g) The surface and groundwater monitoring is underway (at least one year of sampling undertaken). 8.h) Independent AQP has certified the achievement of RM8.a) – RM8.g).
RM9	Revegetation (low intensity grazing)	9.a) Direct seeding of 4 – 10 kg/ha, or as otherwise directed by supplier. 9.b) Species mix is applied consisting of the following: a. Core species mix: 3P grass species: <i>Heteropogon contortus</i> (black speargrass), <i>Themeda triandra</i> (kangaroo grass), <i>Dichanthium sericeum</i> subsp. <i>Sericeum</i> (Queensland bluegrass), <i>Astrebla pectinate</i>

Milestone reference	Rehabilitation milestone	Milestone criteria
		(barley Mitchell grass), and <i>Paspalidium jubiflorum</i> (warrego grass) N fixing shrubs: <i>E. leucophloia</i>, <i>E. leucophylla</i>, <i>E. pruinosa</i>, <i>Corymbia terminalis</i>, <i>Atalaya hemiglauca</i> b. RA9: Core species excluding trees. 9.c) Stock exclusion fencing has been established to prevent stock from grazing newly seeded areas. 9.d) Independent AQP has certified the achievement of RM9.a) – RM9.d).
RM10	Achievement of effective seepage management	10.a) No significant increase to phreatic levels after cessation of deposition. 10.b) Reduction in seepage collected in pump bores. 10.c) Absence of seepage expressing at the surface. 10.d) Independent AQP has certified the achievement of RM10.a) – RM10.c).
RM11	Achievement of surface requirements (low intensity grazing)	11.a) With respect to erosion: a) No evidence of erosion classified as 'moderate' or 'severe' as defined by Appendix 2 – Erosion classification framework. b) Any erosion present will not compromise the achievement of a PMLU to a stable condition. c) Erosion requiring intervention has been remediated and does not impact achieving the PMLU. 11.b) Median of 1100 kg/ha dry matter with a minimum five observations separated by at least 100 m. 11.c) 3P species abundance and cover comparable to reference locations (>80% of median reference). 11.d) Dominant groundcover layer comprised of 3P grass species. 11.e) Species used in revegetation remain present and show evidence of natural recruitment. Evidence of flora recruitment from rehabilitation monitoring data. 11.f) Absence of weeds of national significance and pasture weeds. 11.g) Weed presence is a maximum of 10% of total vegetative groundcover confirmed by an AQP in annual monitoring. 11.h) Median pasture yield >200kg/ha.

Milestone reference	Rehabilitation milestone	Milestone criteria
		11.i) A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual'. 11.j) The outcomes from the BioCondition assessment completed under (e) are comparable to the BioCondition benchmarks derived by an AQP from the reference sites specified in Table 7. 11.k) Corrective action arising from routine inspections have been undertaken. 11.l) Surface water runoff is non-polluting to receiving waters and complies with Table 4 – Surface water quality limits. 11.m) The growth media (topsoil and subsoil) physical, chemical and biological properties does not limit vegetation cover performance or restrict the potential effective depth of rooting. 11.n) Subsided areas do not have residual ponding. 11.o) Overland flows and surface runoff drain freely from subsided areas. 11.p) Historical surface subsidence has been rectified and documented. 11.q) No ongoing surface subsidence. 11.r) Independent AQP has certified the achievement of RM11.a) – RM11.q).
RM12	Achievement of surface requirements - TSF	12.a) Monitoring data has been collected per final landform design report and durability report. 12.b) TSF is safe and structurally stable. 12.c) There is no moderate or severe erosion present as per Table 1: Erosion classification framework. 12.d) Mass movement and tunnel erosion are absent. 12.e) No gully erosion present (>300mm). 12.f) Total groundcover (combination of vegetative groundcover, other organic material (i.e. sticks, leaf litter) and inorganic material (i.e. durable rocks)) ≥ 70%. 12.g) A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's "BioCondition Assessment Manual".

Milestone reference	Rehabilitation milestone	Milestone criteria
		12.h) The outcomes from the BioCondition assessment completed under (e) are comparable to the BioCondition benchmarks derived by an AQP from the reference sites specified in Table 7 with the exception of TSF batters and benches (RA9). 12.i) Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur, and it is safe to do so. 12.j) Surface water runoff in i) above exhibits stable or decreasing trends when measured at an appropriate and representative location and no adverse environmental impacts to receiving waters is occurring. 12.k) Monitoring data and technical assessments indicate that the TSF is on a trajectory to achieve a stable condition. 12.l) An independent AQP has inspected the TSF and following a review of all relevant material has certified, via a technical review report: (i) the design aims and objectives as per PRCP20 have been demonstrated to have been achieved; (ii) all monitoring data has been collected per final landform design report and durability report; (iii) the TSF is erosionally stable; (iv) surface water runoff exhibits stable or decreasing trends and no adverse environmental impacts to receiving waters is occurring; and 12.m) The TSF is on a trajectory to achieve a stable condition. 12.n) Independent AQP has certified the achievement of RM12.a) – RM12.m).
RM13	Achievement of post-mining land use to a stable condition (low intensity grazing and engineered residual mineral waste facility)	13.a) With respect to erosion: a. No evidence of erosion classified as ‘moderate’ or ‘severe’ as defined by Appendix 2 – Erosion classification framework b. Any erosion present will not compromise the achievement of a PMLU to a stable condition. 13.b) Erosion requiring intervention has been remediated and does not impact achieving the PMLU.

Milestone reference	Rehabilitation milestone	Milestone criteria
		13.c) 3P species abundance and cover comparable to reference locations (Table 2) (>80% of median reference) (low intensity grazing). 13.d) A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual' (low intensity grazing). 13.e) The outcomes from the BioCondition assessment completed under (e) are comparable to the BioCondition benchmarks derived by an AQP from the reference sites specified in Table 7 (low intensity grazing). 13.f) TSF embankments achieve a ground cover that meets the requirements set out in the final landform design report. 13.g) Certification from an REPQ that the domain has achieved stable condition. 13.h) Surface water quality results monitored monthly during flow at, <i>but not limited to</i>, downstream locations specified in Table 3, must not exceed the limits in Table 4, for a minimum of 5 consecutive years. 13.i) If the surface water quality exceeds criteria g), 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. 13.j) All results from stream sediment quality at downstream monitoring sites (Table 3) undertaken twice a year (at end of wet season and end of dry season) complies with ANZECC/ARMCANZ (2000) Interim Sediment Quality Guidelines – low for a minimum of 5 consecutive years. 13.k) For a minimum of five consecutive years groundwater quality must be monitored quarterly at, <i>but not limited to</i>, compliance bores/locations specified in Table 5, for all quality characteristics listed in Table 6. 13.l) Groundwater quality results must not exceed the limits in Table 6, for 3 consecutive results.

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 (≥) 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 (≤) the downstream location.

Milestone reference	Rehabilitation milestone	Milestone criteria
		13.m) The groundwater level elevation measured across bores surrounding TSF area and specified in Table 5. Groundwater monitoring bores must demonstrate no net increasing trend over 5 consecutive years. 13.n) For RA9, the horizontal extent of mounding must not exceed the predicted groundwater model, dated 2025 and depicted in Figure 7 by $\pm 10\%$. 13.o) Erosion monitoring completed which demonstrates an average erosion rate of ≤ 5 tonnes per hectare per year (t/ha/yr). 13.p) Independent AQP has reviewed all relevant material and has certified via a technical report that the TSF has achieved a stable condition. 13.q) The durability report in condition PRCP18 has been updated to reflect a post closure assessment, including detailing any residual risks that may persist. 13.q) Subsidence within the rehabilitation area does not present a safety hazard in the context of the PMLU. 13.r) The rehabilitation area is safe for human access and use. 13.s) There is no cracking present in the rehabilitation area that is greater than 20 mm wide and 1m long. 13.t) Independent AQP has certified the achievement of RM13.a) – RM13.s).
RM14	Achievement of post-mining land use to a stable condition (water storage)	14.a) Inspection and report by an AQP that all water storages and water infrastructure have been assessed and approved as safe and stable. 14.b) Water quality sampling complies with the the limits in Table 3. 14.c) Independent AQP has certified the achievement of RM14.a) and RM14.b).
RM15	Achievement of retained infrastructure PMLU to stable condition	15.a) Final landform survey confirms no built structures remain other than those that form part of a landholder agreement. 15.b) Certification from an AQP that all retained infrastructure onsite is safe, stable and will not cause environmental harm. 15.c) Hazard and Safety Assessment completed by an AQP demonstrates hazards in RAs are consistent with the type and severity of hazards typical of neighbouring equivalent land use. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. 15.d) Independent AQP has certified the achievement of RM15.a) – RM15.c).

Section E - Appendices

Appendix 1 - Tables

Table 1. 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/gully erosion	<15 rills per transect* and <0.3m deep	15-30 rills per transect* and <0.3m deep	>30 rills per transect* and/or any >0.3m deep.
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Source: NCST (2009) *Australian Soil and Land Survey Field Handbook, 3rd edition*. The National Committee on Soil and Terrain. CSIRO Publishing, Collingwood, Australia.

*Transect 50 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.)

Table 2. Rehabilitation reference sites

Site name	Latitude (decimal degree, GDA94)	Longitude (decimal degree, GDA94)	Rehabilitation Area
ECM_1	-20.966378	140.992258	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA10
ECM_2	-20.958100	140.965943	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA10
ECM_3	-20.964373	140.972479	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA10
ECM_4	-20.942024	140.896133	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA10
ECM_5	-20.960547	140.963361	RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA10
ECM_6	-21.120546	140.816675	RA9

Table 3. Surface water and stream sediment monitoring locations

Monitoring Locations	Receiving waters location description	Latitude (decimal degree, GDA94)	Longitude (decimal degree, GDA94)
Upstream monitoring locations			
SC1	Scrubby Creek (east) upstream reference site at the north-eastern boundary of ML90155	-20.96255	140.98165
SC1A	Scrubby Creek (west) upstream reference site approximately 6.7km upstream of Eloise Copper Mine	-20.98503	140.91783
Downstream monitoring locations			
SC2	Drainage channel flowing north into Scrubby Creek (east) approximately 200m downstream of SC3	-20.94507	140.98561
SC2A	Scrubby Creek flowing north, approximately 3.4km downstream of mining operations. Downstream of the confluence of Scrubby Creek (east) and (west)	-20.91491	140.99478
SC2B	Scrubby Creek (west) at the northern boundary of ML90155	-20.94328	140.97442
SC3	Drainage channel flowing north into Scrubby Creek (east) and immediately east of Tailings Dam 3 and Tailing Dam 4	-20.94746	140.98437
SC4	Immediately downstream of Batt Dam on an unnamed tributary of Scrubby Creek (east)	-20.94054	140.98656



Figure 5: Surface water monitoring locations

Table 4. Surface water quality limits

Quality characteristic (units)	Limit	Comment on limit
pH	6 - 8	ANZECC/ARMCANZ (2000) upland & lowland river default trigger value for tropical Australia (& based on upstream data)
Electrical Conductivity (µS/cm)	250	ANZECC/ARMCANZ (2000) upland & lowland river default trigger value for tropical Australia (& based on upstream data)
Turbidity (NTU)	15	ANZECC/ARMCANZ (2000) upland & lowland river default trigger value for tropical Australia (no upstream data)
Sulphate (mg/L)	12	Interim site-specific based on upstream data
Aluminium - dissolved (µg/L)	55	ANZG 2018 – limited upstream data
Arsenic - dissolved (µg/L)	13	ANZG 2018 – no upstream data
Barium - dissolved (µg/L)	93	Dutch National Institute for Public Health and the Environment (RIVM) environmental quality standards for barium in surface waters (2020) ^a – no upstream data
Beryllium - dissolved (µg/L)	0.13	ANZECC/ARMCANZ (2000) interim effect concentration level – no upstream data
Boron - dissolved (µg/L)	940	ANZG 2018 – no upstream data
Cadmium - dissolved (µg/L)	0.2	ANZG 2018 – no upstream data
Cobalt - dissolved (µg/L)	1.4	ANZG 2018 – no upstream data
Chromium - dissolved (µg/L)	1.0	ANZG 2018 – no upstream data
Copper - dissolved (µg/L)	9.0	Interim site-specific based on 95 th percentile of upstream data
Lead - dissolved (µg/L)	3.4	ANZG 2018 – no upstream data
Molybdenum - dissolved (µg/L)	34	ANZG 2018 – no upstream data
Nickel - dissolved (µg/L)	11	ANZG 2018 – no upstream data
Strontium - dissolved (µg/L)	2500	Canadian environmental quality guidelines for aquatic ecosystem protection ^b – no upstream data
Tin - dissolved (µg/L)	3.0	ANZG 2018 – no upstream data
Uranium - dissolved (µg/L)	0.5	ANZG 2018 – no upstream data
Zinc - dissolved (µg/L)	8.0	ANZG 2018 – limited upstream data
Nitrate (µg/L)	1100	
Total recoverable hydrocarbons (C6-C9) (µg/L)	20	

Quality characteristic (units)	Limit	Comment on limit
Total recoverable hydrocarbons (C10-C36) (µg/L)	100	
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes only	-
Hardness (mg/L)	For interpretation purposes only	-

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)

Table 5. Groundwater monitoring bores

Monitoring Bore	Hydrogeological Unit	Location	
		Latitude (decimal degree, GDA94)	Longitude (decimal degree, GDA94)
LDB05*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.946401	140.972414
LDB07*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.945164	140.972905
TD5_1	Tertiary sediments/ Weathered Wallumbilla Formation	-20.943989	140.976358
TD5_2	Tertiary sediments/ Weathered Wallumbilla Formation	-20.948073	140.971385
TD5_3	Tertiary sediments/ Weathered Wallumbilla Formation	-20.950241	140.971413
TD5_4	Tertiary sediments/ Weathered Wallumbilla Formation	-20.954009	140.972374
TD5_5*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.952519	140.977136
TD5_6*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.950784	140.972634
TD5_7*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.944351	140.976945
TD5_8*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.947558	140.972606
TD5_9*	Tertiary sediments/ Weathered Wallumbilla Formation	-20.945082	140.974348
TD5_10*	Wallumbilla Formation	-20.947621	140.972606
TD5_11*	Wallumbilla Formation	-20.945092	140.974299
WB9B	Gilbert River Formation	-20.944694	140.976002
WB10	Tertiary sediments/ Weathered Wallumbilla Formation	-20.941893	140.977128
WB11A	Tertiary sediments/ Weathered Wallumbilla Formation	-20.941532	140.981783

Monitoring Bore	Hydrogeological Unit	Location	
		Latitude (decimal degree, GDA94)	Longitude (decimal degree, GDA94)
WB12	Tertiary sediments/ Weathered Wallumbilla Formation	-20.942309	140.984851
WB13	Tertiary sediments/ Weathered Wallumbilla Formation	-20.945861	140.983697
WB14A	Tertiary sediments/ Weathered Wallumbilla Formation	-20.951499	140.984177
WB14B	Gilbert River Formation	-20.951562	140.984158
WB19*	Gilbert River Formation	-20.943113	140.977108
WB20*	Wallumbilla Formation	-20.943222	140.983639
DWB1	Gilbert River Formation	-20.950306	140.982148
DWB2	Gilbert River Formation	-20.954417	140.981984
DWB5	Gilbert River Formation	-20.961582	140.979126
DWB7 (not reference)	Gilbert River Formation	-20.948599	140.987063
DWB10	Gilbert River Formation	-20.946041	140.984466
WB15	Wallumbilla Formation	-20.957987	140.982685
TD5_13	Wallumbilla Formation	-20.93469	140.98157
TD5_14	Wallumbilla Formation	-20.93454	140.98512
<i>*Bores surrounding the TSF</i>			



Figure 5: Groundwater monitoring locations

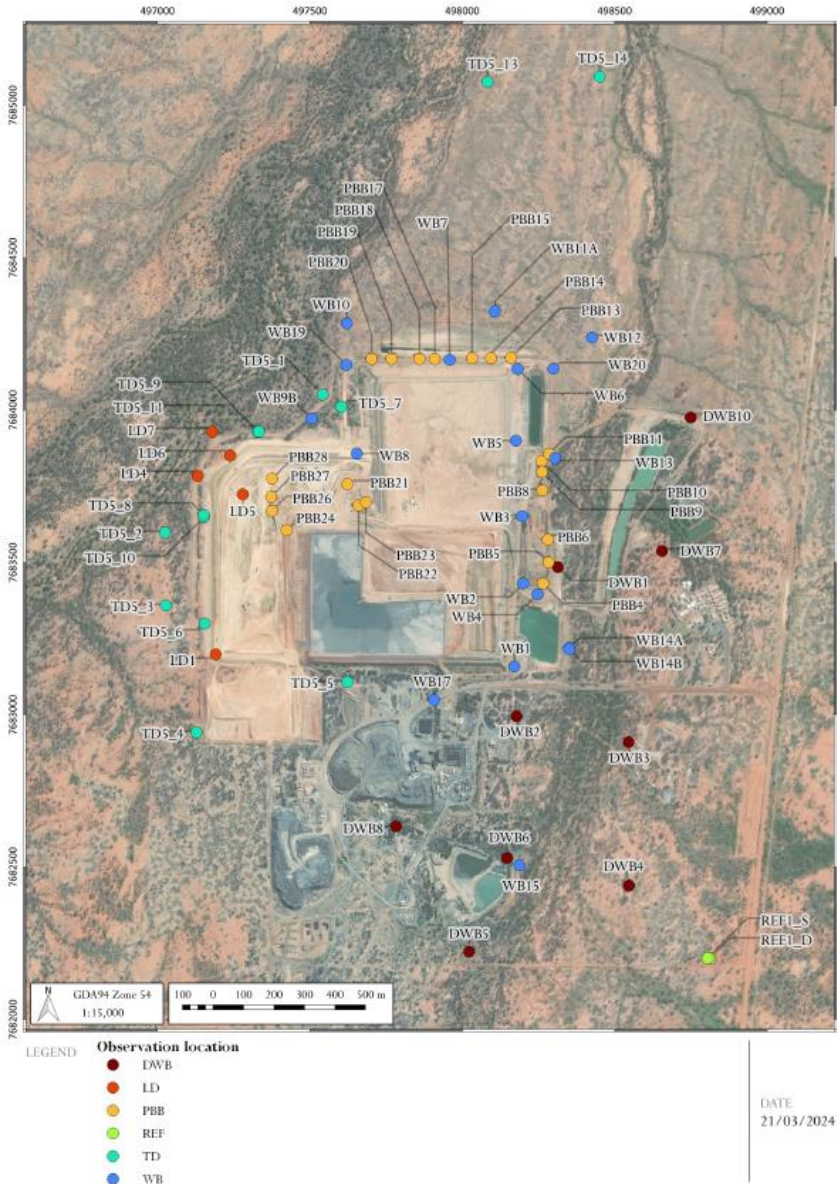


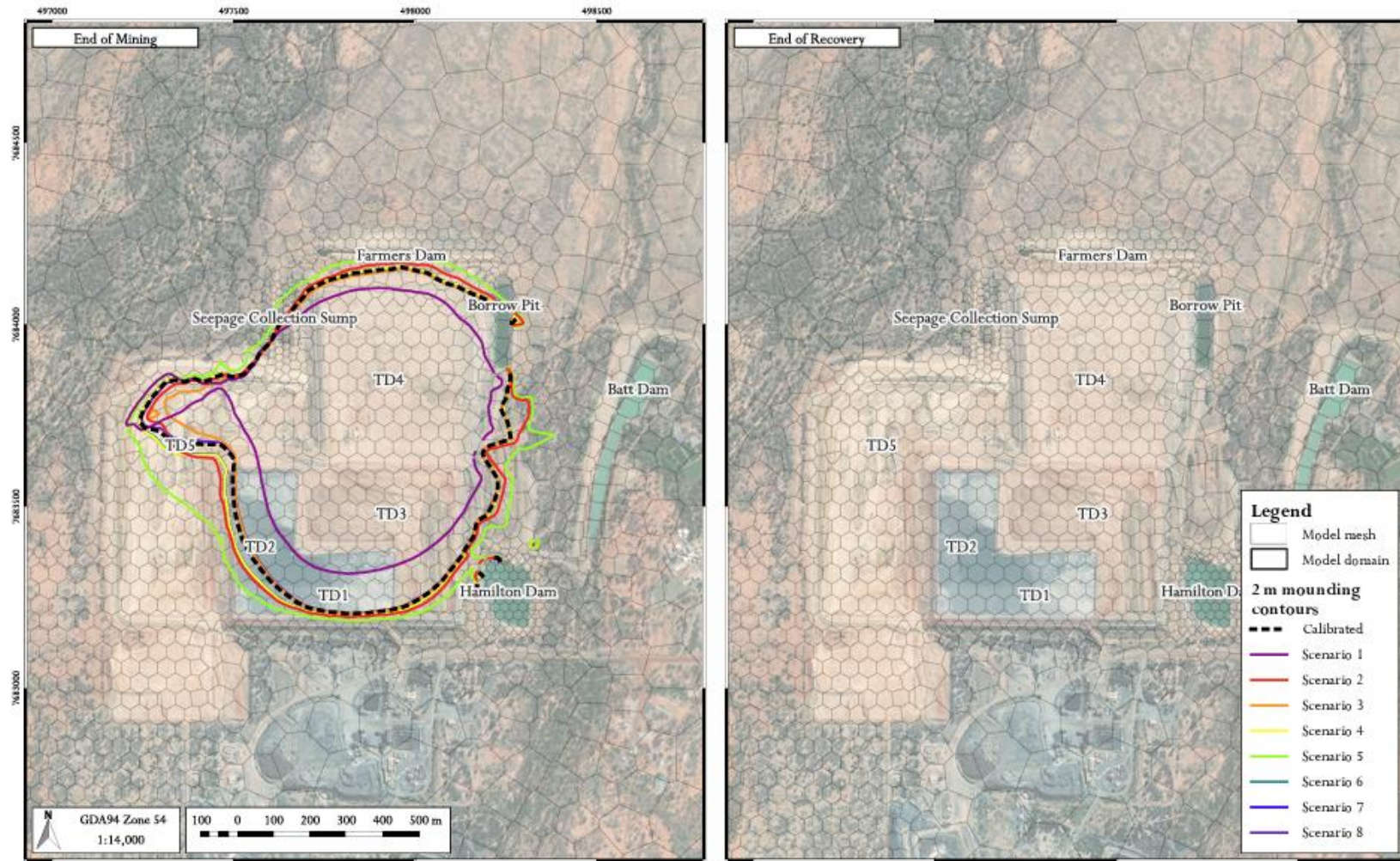
Table 6. Groundwater quality limits

Quality characteristic (units)	Monitoring Bore	Limit	Comment on limit
pH (pH units)	All bores	6 – 8	ANZECC/ARMCANZ (2000) upland & lowland river default trigger value for tropical Australia - limited reference data
Electrical conductivity (µS/cm)	All other bores	5300	Interim site-specific based on 95 th percentile of REF1_D
Electrical conductivity (µS/cm)	All shallow bores in Tertiary sediments/Weathered Wallumbilla	9500	Interim site-specific based on 95 th percentile of REF1_S
Electrical conductivity (µS/cm)	Gilbert River Formation	3600	Interim site-specific based on 95 th percentile of DWB7 and DWB9
Sulfate (mg/L)	All other bores	1650	Interim site-specific based on 95 th percentile of REF1_D
Sulfate (mg/L)	All shallow bores in Tertiary sediments/Weathered Wallumbilla	2200	Interim site-specific based on 95 th percentile of REF1_S
Sulfate (mg/L)	Gilbert River Formation	360	Interim site-specific based on 95 th percentile of DWB7 and DWB9
Aluminium - dissolved (µg/L)	All bores	55	ANZG 2018 – limited reference data
Arsenic - dissolved (µg/L)	All bores	13	ANZG 2018 (and site-specific data)
Barium - dissolved (µg/L)	All bores	93	Dutch National Institute for Public Health and the Environment (RIVM) environmental quality standards for barium in surface waters (2020) ^a – no site-specific data
Beryllium – dissolved (µg/L)	All bores	0.13	ANZECC/ARMCANZ (2000) interim effect concentration level – no site-specific data
Boron - dissolved (µg/L)	All bores	940	ANZG 2018 - no site-specific data
Cadmium - dissolved (µg/L)	All bores	0.2	ANZG 2018 - limited reference data
Cobalt - dissolved (µg/L)	All bores	1.4	ANZG 2018 - no site-specific data
Chromium - dissolved (µg/L)	All bores	1.0	ANZG 2018 - no site-specific data
Copper - dissolved (µg/L)	All bores	1.4	ANZG 2018 - limited reference data

Quality characteristic (units)	Monitoring Bore	Limit	Comment on limit
Lead - dissolved (µg/L)	All bores	3.4	ANZG 2018 - limited reference data
Molybdenum – dissolved (µg/L)	All bores	34	ANZG 2018 - no site-specific data
Nickel - dissolved (µg/L)	All bores	11	ANZG 2018 - limited reference data
Strontium - dissolved (µg/L)	All bores	2500	Canadian environmental quality guidelines for aquatic ecosystem protection ^b – no site-specific data
Tin – dissolved (µg/L)	All bores	3.0	ANZG 2018 - no site-specific data
Uranium – dissolved (µg/L)	All bores	0.5	ANZG 2018 - no site-specific data
Zinc - dissolved (µg/L)	All other bores	8.0	ANZG 2018 - limited reference data
Zinc - dissolved (µg/L)	Shallow bores in Tertiary sediments/Weathered Wallumbilla	26	Interim site-specific based on 95 th percentile of REF1_S
Zinc - dissolved (µg/L)	Gilbert River Formation	16	Interim site-specific based on 95 th percentile of DWB7 and DWB9
Nitrate (µg/L)	All bores	1100	
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	All bores	-	For interpretation purposes only
Hardness (mg/L)	All bores	-	For interpretation purposes only

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.
- ANZECC/ARMCANZ (2000) upland & lowland river default trigger value for tropical Australia and 95% species protection for aquatic ecosystems, Volume 2 Aquatic Ecosystems ([ANZECC & ARMCANZ \(2000\) guidelines](#)).
- ANZG (2018) Aquatic ecosystem protection for slightly to moderately disturbed system (95% species protection) ([Water Quality Guidelines Search for toxicant default guideline values](#)).
- ^a [Environmental quality standards for barium in surface water](#).
- ^b [Federal environmental quality guidelines - Strontium - Canada.ca](#).



Eloise Copper Mine - Groundwater Model (4141F)

Predicted 2 m mounding extents in Tertiary sediments at end of mining and end of recovery

DATE
11/04/2024

FIGURE No.
7.16

©2024 OASIS Hydrogeology Pty Ltd - hydrogeologist.com.au
Source: 1 second SRTM Derived DEM-5 - © Commonwealth of Australia (Geoscience Australia) 2011; GEODATA TOPO 250K Series 3 - © Commonwealth of Australia (Geoscience Australia) 2006
Z:\4000_Projects\4141F_AIC_Eloise Copper Mine_TDS Groundwater Model\3_GIS\3_13_Workspaces_QGIS\07.16_4141F_SensitivityMounding.qgz

Figure 6: Groundwater mounding

Table 7: - BioCondition Benchmark for Regional Ecosystem

BioCondition Assessable Attributes	Weighting	BioConditioning Scores		Vegetation Benchmark
		RM11 and 12	RM14	RE 2.4.3a
Tree canopy height (m)	5	≥ 25% of benchmark height	≥ 25% of benchmark height	7
Recruitment of canopy species (% of trees)	5		≥ 20% of dominant canopy species	100
Tree canopy cover (%)	5	≥10% and ≤200% relative to benchmark	≥50% and ≤200% relative to benchmark	27
Shrub canopy cover (%)	5	≥10% relative to benchmark	≥50% and ≤200% relative to benchmark	5
Tree (native) species richness	5	≥ 25-90% of benchmark	≥ 25-90% of benchmark	1
Shrub (native) species richness	5	≥ 25-90% of benchmark	≥ 25-90% of benchmark	2
Grass (native) species richness*	5	≥ 25-90% of benchmark	≥ 25-90% of benchmark	10
Forb/other (native) species richness*	5	≥ 25-90% of benchmark	≥25-90% of benchmark	12
Non-native plant cover (%)	10	<10% of vegetation cover	<10% of vegetation cover	0
Native perennial grass cover (%)	5	≥ 50% of benchmark	≥90% of benchmark	26
Litter (%)	5	≥ 10% of benchmark	≥ 50% of benchmark	19
Total score	60	≥ 20	≥ 40	

END OF PRCP SCHEDULE