

PRCP schedule

Environmental Protection Act 1994

P-PRCP-100998185 Ebenezer Mine

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

PRCP schedule: P-PRCP-100998185_V1

PRCP schedule holder(s)

Name(s)	Registered address
Zedemar Holdings Pty Ltd	1-5 Whiting Street Atarmon NSW 2064

Location details

Location(s)
Mining Lease (ML) 4712

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

Ben Byrd

Department of the Environment, Tourism, Science and Innovation

Delegate of the administering authority

Environmental Protection Act 1994

18 December 2025

Date

Enquiries:

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PRCP schedule

P-PRCP-100998185 Ebenezer Mine

Obligations under the *Environmental Protection Act 1994*

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

Pursuant to section 285 of the EP Act:

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

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

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

PRCP schedule

The PRCP schedule incorporates the following sections:

Section A - Conditions of PRCP schedule

Section B – Definitions

Section C - Final site design and reference maps

Section D - Post mining land uses

Section E - Non-use management areas.

Section F – Attachments

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** All mining disturbance authorised under EA EPML00594013 must have an associated rehabilitation outcome provided in this PRCP schedule.
- PRCP2** The holder must, for each rehabilitation and improvement area, achieve the corresponding rehabilitation or management 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';
 - (b) describe in the notification why or why not it considers that it would be reasonable and appropriate to amend this schedule; and
 - (c) unless otherwise agreed to by the administering authority in writing, apply to the administering authority within sixty (60) days of the notification to amend this schedule in a way that maximises the progressive rehabilitation to a stable condition.
- Notes:
- (i) 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.
 - (ii) Assessment of land becoming available is undertaken on a nominally annual basis.
 - (iii) Rehabilitation of land size must be practicable.
 - (iv) 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 for that rehabilitation milestone until:
- (a) A progressive certification area has satisfied the provisions of section 318ZB (4) of the EP Act; or
 - (b) Until a surrender application for the area 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);
- (b) sufficient improvement for non-use management areas (NUMA); and
- (c) how the risks are being managed or minimised.

PRCP6 The risk register, required by condition **PRCP5**, must be reviewed every three (3) years and include consideration of the outcomes of PRCP monitoring data.

PRCP7 The holder must carry out monitoring of the rehabilitation activities in accordance with:

- (a) the monitoring and maintenance program described in the rehabilitation planning part for the activity titled *Ebenezer Coal Mine: Transitional Progressive Rehabilitation and Closure Plan*;
- (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 or management 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/Quality Control (QA/QC), 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; and
- (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 ten (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) must contain sufficient detail to allow for independent peer review and substantiation.

PRCP12 Disturbance due to exploration and minor ancillary activities in areas not planned to be mined and not within a Rehabilitation Area in this schedule must be rehabilitated in accordance with the 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 and achieves the pre-disturbance land use as detailed in **Figure 1 – Final Site Design**.

PRCP13 The holder must, by **31 October 2026**, submit to the administering authority updated long term post-mining prediction numerical groundwater modelling and water balance modelling. The groundwater modelling must provide predicted drawdown and groundwater elevations. The predictive groundwater modelling as per the Australian Groundwater Modelling Guidelines (current version), confirms whether or not:

- (a) The residual voids will not cause environmental harm through the release of contaminants from the void lakes beyond the tenure boundaries post-closure; and
- (b) Groundwater drawdown will not negatively impact groundwater dependent ecosystems (GDEs) on or surrounding the site.

The holder must submit the following, including, but not limited to:

- (i) An assessment of current groundwater levels, including commentary on whether these levels have recovered from historical drawdown activities, through comparison of groundwater monitoring results;
- (ii) Identification of groundwater-dependent ecosystems (GDEs) and the correlating water quality parameters they rely on;
- (iii) An assessment of water quality within the residual voids, including identification of any potential pathways to GDEs; and
- (iv) An evaluation of the current condition of the GDEs and any further potential long-term impacts resulting from historical mining activities.

PRCP14 The holder must, by **31 October 2026**, provide to the administering authority a flood assessment prepared and certified by an AQP that addresses the required of section 3.6.1 of the PRCP guideline and includes further detail and clarifies:

- (a) Flood modelling (0.1% AEP) for the residual voids;
- (b) The influence of flooding on the final landform (including but not limited to overtopping risk for residual voids) and demonstrate whether or not the landform will meet a stable condition; and
- (c) The future conditions of watercourses, including the geotechnical assessment against flood modelling velocities, the post mining flood model, and demonstrate whether or not this will form a stable condition.

PRCP15 The holder must, by **31 October 2026**, provide a detailed landform design plan prepared and certified by an AQP. The detailed landform design plan and report must demonstrate that the landform will be safe, erosionally and structurally stable, and appropriate for the PMLU, with regard to the material properties and local conditions as it applies to a geotechnical and erosional stability risk.

- PRCP16** The requirements of **PRCP15** must confirm, through an analysis of future landform stability, whether or not that the final landform configuration is able to achieve the criteria of this PRCP schedule across all areas of the landform. The modelling must:
- (a) be calibrated against existing performance to support the methodology and parameters adopted in the models; and
 - (b) demonstrate stability of the final landform; and
 - (c) be undertaken in accordance with the latest version of the Queensland Government's 'Applying erosion and Landscape Evolution Models to assess post-mining landform stability: Technical Paper'.
- PRCP17** Geotechnical modelling undertaken as recommended by the Ebenezer Mine Geotechnical Assessment, Highwall Stability Assessment report (Cartledge Mining and Geotechnics, February 2022) and the Ebenezer Mine Lane's Pit Lowwall Stability Assessment report (Cartledge Mining and Geotechnics, February 2022) to demonstrate whether or not the end walls and highwalls of Lanes pit are stable.
- PRCP18** If any of the matters undertaken in accordance with conditions **PRCP13** to **PRCP17** (inclusive) indicate it is likely that the final landform will not achieve stable condition, the holder must amend this PRCP schedule to address the identified risk and reassess the matter to demonstrate that the landform can achieve the criteria in this PRCP schedule and reach a stable condition.

END OF CONDITIONS

Section B - Definitions

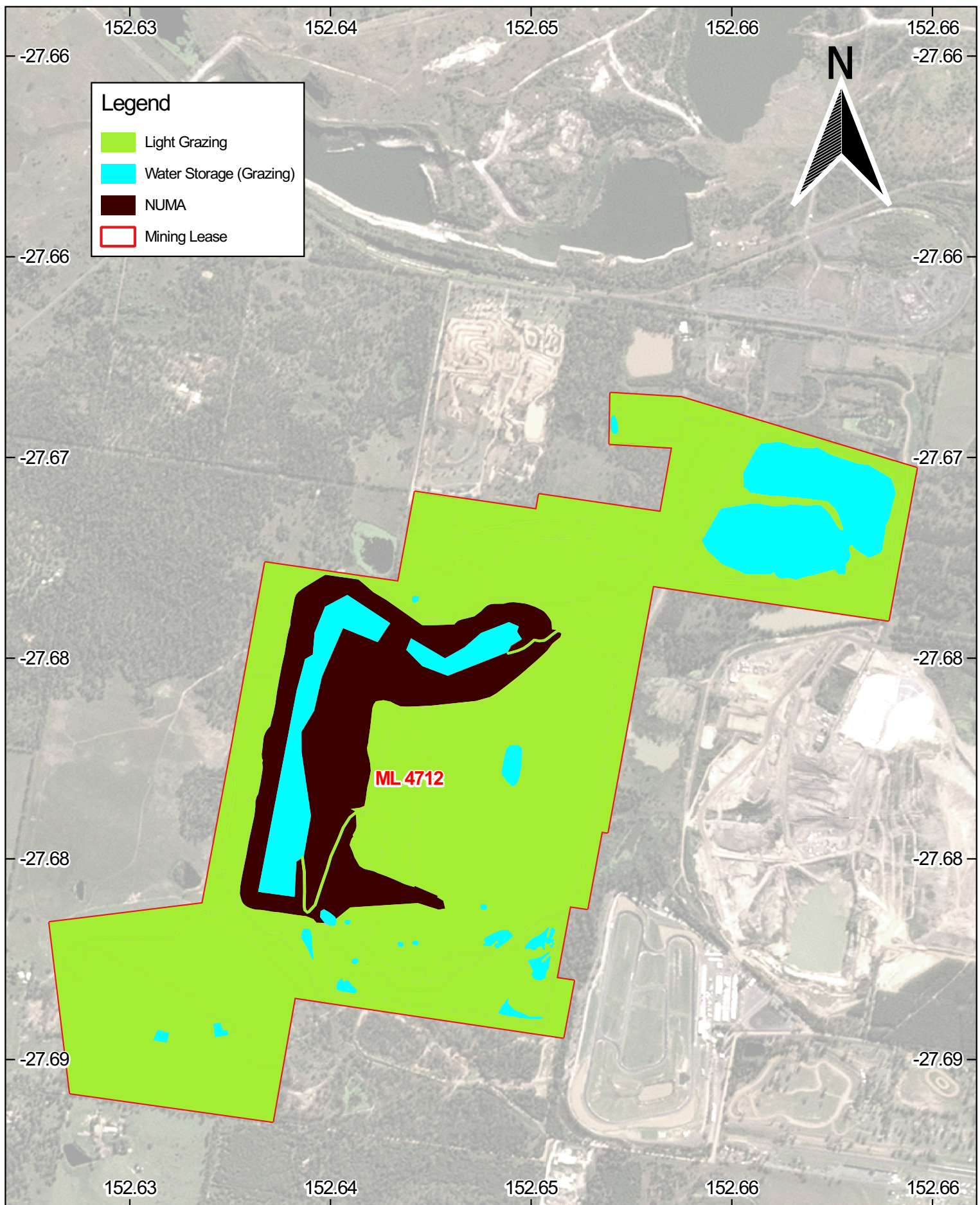
Appropriately qualified person (AQP)	means a person who has professional qualifications, training, skills and experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, 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.
Ancillary activities	see section 19A of the <i>Environmental Protection Act 1994</i> .
Contaminants	can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants.
Contaminated Land Auditor	as per the definition of 'auditor' in section 567 of the <i>Environmental Protection Act 1994</i> .
Flood stress	is the pressure on structures from rapid water rise, erosion, and saturation during extreme floods, risking instability.
Growth media	is defined as all soil and soil-like material that will support the final vegetation cover. This includes the topsoil and subsoil where these materials are applied independently. Where the topsoil is incorporated into the underlying subsoil/spoil, topsoil refers to the depth of incorporation and the remaining depth is regarded as subsoil. The total depth of growth media is nominally considered to be the effective plant root zone
Gully	a gully is a channel excavated by water; more than 0.3 m deep.
Independent AQP	is an AQP who is a third party who is able to demonstrate a sufficient level of independence from the PRCP schedule holder, the site and any technical material generated that is the subject of the review, to satisfy a reasonable person that they have no conflict of interest on the matter the subject of the review.
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Relevant material	Includes: (a) Final landform design report; (b) Durability assessment /report; (c) "As Constructed" report; (d) All monitoring data; (e) Assessment of monitoring data; (f) All maintenance records; and (g) Modelling and technical assessments.
Rill	a rill is a channel excavated by water; less than 0.3 m deep.
Stabilised	means one or both of the following conditions apply: no evidence of sediment movement; sides and/or floors of erosion form are revegetated (Australian Soil and Land Survey Field Handbook Third Edition).

Stable	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 person (SQP)	for performing a regulatory function under chapter 7, part 8 (Contaminated Land) of the EP Act or another function prescribed under a regulation, means a person who— (a) has qualifications and experience relevant to performing the function; and (b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.
Vegetative groundcover	means plants, plant litter, tree leaf litter, twigs and woody debris capable of protecting the soil surface from erosion.
Weed	non-native plants including: (a) Category 3 restricted invasive plant species, defined by the <i>Biosecurity Act 2014</i> ; and (b) Weeds of National Significance, defined by Invasive Plants and Animals Committee 2016, Australian Weeds Strategy 2017 to 2027, Australian Government Department of Agriculture and Water Resources, Canberra.

Section C - Final site design and reference maps

Figure 1 – Final Site Design

Figure 2 – Rehabilitation Areas and Improvement Areas



0 0.2 0.4 0.6 0.8 km

Scale 1:13000

Figure 1: Final Site Design

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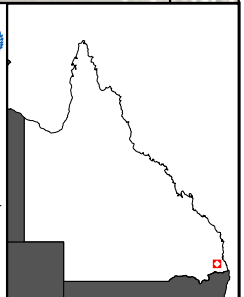
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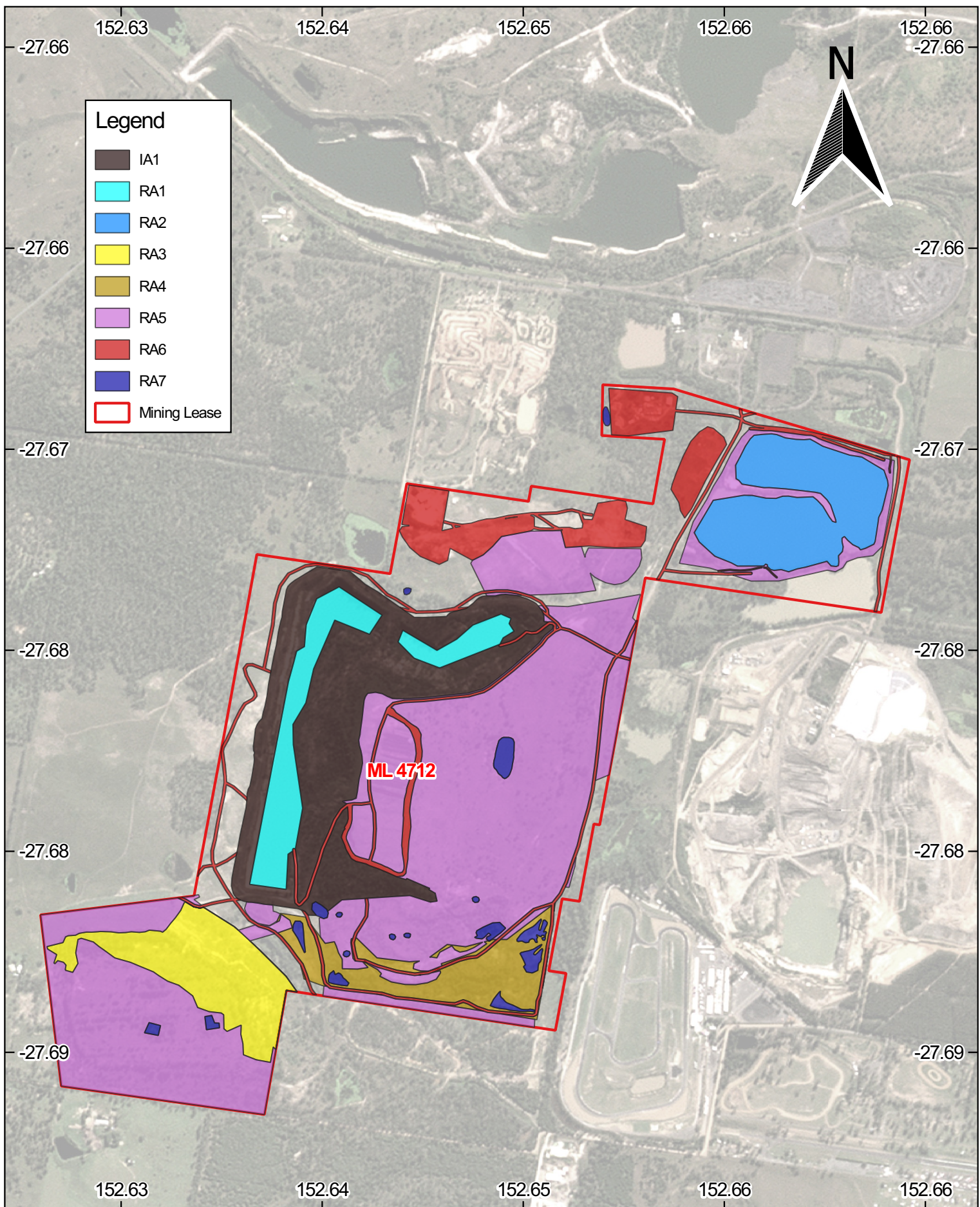


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0 0.2 0.4 0.6 0.8 km

Scale 1:13000

Figure 2: Reference Map

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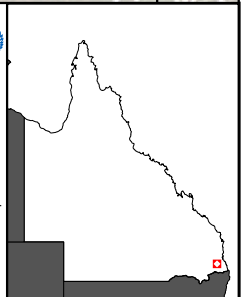
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Section D – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)		
Rehabilitation area	RA1	
Relevant activities	Lanes Pit Void and Ironbark Pit Void	
Total rehabilitation area size (ha)	15.3	
Commencement of first milestone: RM1	10/12/2025	
PMLU	Water Storage (Grazing)	
Date area is available	10/12/2025	
Cumulative area available (ha)	15.3	
Milestone completed by	10/12/2026	10/12/2031
Milestone Reference	Cumulative area achieved (ha)	
RM8	15.3	
RM9		15.3

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)		
Rehabilitation area	RA2	
Relevant activities	Ti Tree West Pit (Tailings Pond) and Willow Pit Void	
Total rehabilitation area size (ha)	23.5	
Commencement of first milestone: RM1	10/12/2025	
PMLU	Water Storage (Grazing)	
Date area is available	10/12/2025	
Cumulative area available (ha)	23.5	
Milestone completed by	10/12/2026	10/12/2031
Milestone Reference	Cumulative area achieved (ha)	
RM2	23.5	
RM8		23.5
RM9		23.5

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)			
Rehabilitation area	RA3		
Relevant activities	Out of Pit Dump		
Total rehabilitation area size (ha)	18.7		
Commencement of first milestone: RM1	10/12/2025		
PMLU	Light Grazing		
Date area is available	10/12/2025		
Cumulative area available (ha)	18.7		
Milestone completed by	10/12/2026	10/12/2027	10/12/2031
Milestone Reference	Cumulative area achieved (ha)		
RM1	18.7		
RM2	18.7		
RM3	18.7		
RM4	18.7		
RM5	18.7		
RM6		18.7	
RM7		18.7	
RM9			18.7
RM10			18.7

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)			
Rehabilitation area	RA4		
Relevant activities	Ironbark South Dump		
Total rehabilitation area size (ha)	13.9		
Commencement of first milestone: RM1	10/12/2025		
PMLU	Light Grazing		
Date area is available	10/12/2025		
Cumulative area available (ha)	13.9		
Milestone completed by	10/12/2026	10/12/2027	10/12/2031
Milestone Reference	Cumulative area achieved (ha)		
RM1	13.9		
RM2	13.9		
RM3	13.9		
RM4	13.9		
RM5		13.9	
RM6		13.9	
RM7		13.9	
RM9			13.9
RM10			13.9

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)		
Rehabilitation area	RA5	
Relevant activities	Ti Tree West Pit (Fringing area surrounding Tailings Pond) and Other Areas	
Total rehabilitation area size (ha)	142.7	
Commencement of first milestone: RM1	10/12/2025	
PMLU	Light Grazing	
Date area is available	10/12/2025	
Cumulative area available (ha)	142.7	
Milestone completed by	10/12/2026	10/12/2031
Milestone Reference	Cumulative area achieved (ha)	
RM1	142.7	
RM2	142.7	
RM3	142.7	
RM4	142.7	
RM6	142.7	
RM7	142.7	
RM9		142.7
RM10		142.7

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)			
Rehabilitation area	RA6		
Relevant activities	Storage and Office areas, Roads, Safety Bunds and Bentonite Processing Area and Bentonite Storage Area		
Total rehabilitation area size (ha)	32.4		
Commencement of first milestone: RM1	10/12/2025		
PMLU	Light Grazing		
Date area is available	10/12/2025		
Cumulative area available (ha)	32.4		
Milestone completed by	10/12/2026	10/12/2027	10/12/2031
Milestone Reference	Cumulative area achieved (ha)		
RM1	32.4		
RM2	32.4		
RM3	32.4		
RM4	32.4		
RM5	32.4		
RM6		32.4	
RM7		32.4	
RM9			32.4
RM10			32.4

(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)			
Rehabilitation area	RA7		
Relevant activities	Office Dam, Ponds, Sediment Basins, Surge Basin		
Total rehabilitation area size (ha)	4.0		
Commencement of first milestone: RM1	10/12/2025		
PMLU	Water Storage (Grazing)		
Date area is available	10/12/2025		
Cumulative area available (ha)	4.0		
Milestone completed by	10/12/2026	10/12/2027	10/12/2031
Milestone Reference	Cumulative area achieved (ha)		
RM1	4.0		
RM2	4.0		
RM3	4.0		
RM4	4.0		
RM8		4.0	
RM9			4.0
RM10			4.0

Rehabilitation milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1.1 With the exception of any infrastructure to remain as part of the post-mining land use (PMLU) or where infrastructure is agreed to be retained by the landholder as evidenced by a signed landholder agreement, the following are complete: (a) All services disconnected and removed. (b) All buildings and associated infrastructure dismantled and removed offsite. (c) All hardstand, concrete areas and roads (bitumen, blue metal, aggregate etc.) removed. (d) All fencing and associated foundations removed. (e) All pipelines drained and removed. (f) All waste not authorised to be disposed of on-site under Environmental Authority EPML00594013 removed. (g) All surface water drainage infrastructure that does not have an associated watercourse or riparian ecosystem PMLU or forms part of a non-use management area (NUMA) is removed. (h) All drillholes, bores, sediment ponds and sumps decommissioned. (i) All machinery and equipment, not required for rehabilitation works removed from site. (j) All dams dewatered and desilted. (k) Watercourse crossings and culverts removed.
RM2	Identification, remediation and removal of contaminated land	2.1 Contaminated land investigations (investigation, remediation and validation) in accordance with appropriate guidance, including but not limited to the National Environment Protection (Assessment of Site Contamination) Measure (ASC NEPM) and National Remediation Framework (NRF). 2.2 Contaminated water and sediment removed from dams where required to achieve criterion RM2.4. 2.3 Contaminated and hazardous material either remediated in-situ or removed/transported to facility lawfully able to accept the material. 2.4 Contaminated Land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM3	Landform development (reshaping/reprofiling)	3.1 All earthworks are completed in accordance with the detailed landform design plan required by PRCP15. 3.2 Erosion and sediment control systems installed post closure are in accordance with the design specification from an AQP. 3.3 Constructed landform achieves geotechnical stability with a Factor of Safety (FOS) ≥ 1.5, which includes consideration of flood stress. 3.4 All landforms are shaped to be water shedding. <u>RA5 and RA6 only</u> 3.5 Disturbed slopes not steeper than $\leq 10\%$. <u>RA3 and RA4 only</u> 3.6 Disturbed slopes not steeper than $< 18\%$.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM4	Surface preparation (topdressing, contour ripping, soil amelioration)	4.1 Assessment of growth media characteristics and the development of an amelioration and physical treatment plan is completed by an AQP. 4.2 Ameliorant and physical treatments such as fertiliser, lime, gypsum and/or organic matter are applied as identified in criterion RM 4.1. 4.3 Topsoil/growth media placement of a minimum 0.2 m in areas where topsoil has previously been removed. 4.4 Deep ripping of compacted surfaces, at least 300 mm into soil/subsoil profile along contour of slopes. 4.5 Following amelioration as per criterion RM 4.1 and RM 4.2, representative soil testing of growth media confirms: (a) pH in the range of 6 – 8.5; (b) Electrical Conductivity (saturated extent), 3,000 µS/cm; (c) Carbon:Nitrogen ratio 9:1 to 13:1; (d) Total Organic Carbon %: >1; (e) Exchangeable sodium percentage (ESP) (%) for depths to 10cm: (i) For RA3, RA4 and RA5 <6; (ii) For RA5, provided soil stability is certified by an independent AQP, <14, otherwise <6; and (f) Emerson aggregate class (AS1289.3.8.1): ≥4. 4.6 Growth media health and suitability is assessed and documented by an AQP as suitable for the PMLU and target vegetation establishment. 4.7 The surface and groundwater monitoring are underway (at least one year of sampling undertaken). 4.8 Areas of erosion classified as 'moderate' or 'severe', as defined by Attachment 2 – Erosion classification framework, are repaired.
RM5	Revegetation – PMLU Light Grazing	5.1 Completed seeding with a selection of species and seeding rates listed in Attachment 1 – Species list and seeding rates for grazing PMLU. 5.2 At least four species of 3P native pasture species, two native legumes and two native shade tree species established, from Attachment 1 – Species list and seeding rates for grazing PMLU are applied per application area. 5.3 Non-native seed must not be used for the revegetation (except when sterile cover crops are used). 5.4 Stock exclusion fencing has been established to prevent stock from grazing newly seeded areas.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM6	Achievement of surface requirements – PMLU Light Grazing	6.1 Species used in revegetation remain present and show evidence of natural recruitment. Evidence of flora recruitment from rehabilitation monitoring data. 6.2 Weed presence is a less than 5% of total vegetative cover. 6.3 Total groundcover (combination of vegetative cover, other organic material (i.e. sticks, leaf litter) and inorganic material (i.e. rocks)) $\geq$ 70%. 6.4 With respect to erosion: (a) No evidence of erosion classified as ‘moderate’ or ‘severe’ as defined by Attachment 2 – Erosion classification framework; (b) Any erosion present will not compromise the achievement of a PMLU to a stable condition; and (c) Erosion requiring intervention has been remediated and does not impact achievement of the PMLU. 6.5 Corrective action arising from the routine inspections program have been undertaken. 6.6 Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur, and it is safe to do so. 6.7 Surface water runoff complies with Attachment 4 – Surface water quality limits. 6.8 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. <u>RA3 and RA4 only</u> 6.9 >50% established and self-sustaining vegetative groundcover of species listed in Appendix 1 – Species list and seeding rates for grazing PMLU.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM7	Achievement of post-mining land use to a stable condition – PMLU Light Grazing	7.1 Final landform survey confirms no infrastructure, including any matters listed in RM1, remains, with the exception of any infrastructure agreed to remain with written agreement from the landholder 7.2 Safety hazards in the rehabilitation area are not significantly different to surrounding unmined landscapes subject to the same land use. 7.3 The land is structurally and erosionally stable. 7.4 Minimum vegetation composition (per hectare (averaged)) of: (a) four species of 3P native pasture species; (b) two native legumes; and (c) two native shade tree species, present 7.5 Land Suitability class is ≤ 3. 7.6 Independent AQP certifies achievement of RM7.1 - RM7.5, as applicable.
RM8	Achievement of post-mining land use to a stable condition – PMLU Water Storage (Grazing)	8.1 Retained dams are safe for native animals and stock access and have vegetated banks. 8.2 All retained water storages are safe and stable. <u>RA1 and RA7 only</u> 8.3 Water storages monitored quarterly, water must be of a suitable quality for native wildlife and/or livestock ingestion and must not exceed the stock water guidelines (ANZECC 2000), for a minimum of 5 consecutive years. <u>RA2 only</u> 8.4 Water storages monitored quarterly must not exceed the limits in Attachment 4 - Surface water quality limits, for a minimum of 5 consecutive years. 8.5 Independent AQP certifies achievement of RM8.1 – 8.4, as applicable.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM9	Achievement of post-mining land use water quality	9.1 Surface water quality results monitored monthly during flow at, but not limited to, downstream locations specified in Attachment 3 – Surface water monitoring locations, must not exceed the limits in Attachment 4 - Surface water quality limits, for a minimum of 5 consecutive years. 9.2 If the surface water quality exceeds criterion RM9.1, the applicable upstream/reference 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/reference site¹. 9.3 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 Attachment 5, Figure 4 – Groundwater monitoring locations, for all quality characteristics listed in Attachment 6 – Groundwater quality limits. 9.4 Groundwater quality results must not exceed the limits in Attachment 6 – Groundwater quality limits, for 3 consecutive results. 9.5 Groundwater level is monitored twice per year and for a minimum of 5 consecutive years. 9.6 Independent AQP certifies achievement of RM9.1 – 9.5.
RM10	Retained Infrastructure	10.1 Infrastructure to be transitioned to a future landholder is deemed fit for purpose (verified by an AQP) and accepted, by signed agreement, with the future landholder. 10.2 An AQP certifies that all infrastructure to be retained onsite is safe, stable and will not cause environmental harm.

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.

Section E – Non-use management areas

(IA1) Improvement area 1

Non-use management area (NUMA)			
Improvement area	IA1		
Relevant activities	Ironbark Pit Slope and Lanes Pit Slope		
Total size (ha)	50.0		
Commencement of first milestone: MM1	10/12/2025		
NUMA	Non-use management area		
Date area is available	10/12/2025		
Cumulative area available (ha)	50.0		
Milestone completed by	10/12/2027	10/12/2028	10/12/2031
Milestone Reference	Cumulative area achieved (ha)		
MM1	50.0		
MM2		50.0	
MM3			50.0

Improvement area milestones

Milestone reference	Management milestone	Milestone criteria
MM1	Achievement of final landform design	1.1 Pit wall landforms must prevent surface or seepage flow of floodwater into the void. 1.2 The final design must be completed by an AQP based on the latest flood modelling and materials data prior to construction. 1.3 Final residual voids are not subject to inundation from floodwaters up to and including the 0.1% AEP. 1.4 The pit walls achieve a FoS ≥ 1.5 within the NUMA extents as determined by an AQP. 1.5 The location of the voids and associated safety bunds does not cause instability or degradation to the land outside the NUMA.
MM2	Achievement of safety requirements	2.1 Competent safety bund or equivalent landform in place to prevent access to the pit walls, at the geotechnical set-back distance of a minimum of 40m or as recommended by AQP following the outcomes of general conditions PRCP17. 2.2 The safety bund is in accordance with engineering requirements including: (a) constructed from non-weathered, non-dispersive dumped rockfill; (b) a minimum 2m in height; (c) a minimum of 4m base width; and (d) 1 in 3 batters. 2.3 A minimum distance of 40m is to be designed between the residual void crest and the toe of the safety bund, where against an external perimeter mining lease boundary. 2.4 Fencing erected, where required to prevent access to the residual void, around the perimeter of the safety bund. 2.5 Safety signage (design in accordance with Australian standard) is erected at 100m intervals along the fence.

Milestone reference	Management milestone	Milestone criteria
MM3	Achievement of sufficient improvement	3.1 All improvement areas are erosionally stable such that they will not negatively impact on the stability of any adjacent or downstream undisturbed areas or rehabilitation areas, or rehabilitation areas' ability to retain its PMLU. 3.2 No evidence of erosion classified as 'moderate' or 'severe' as defined by Attachment 2 – Erosion classification framework is evident in pit wall batters or benches. 3.3 All flat setback areas between bunds and pit walls or residual void crest have achieved >50% established and self-sustaining vegetative groundcover of a selection of species listed in Appendix 1 – Species List and Seeding Rates for Grazing PMLU. 3.4 A geotechnical stability assessment will be undertaken by an AQP and will be certified as: (a) being consistent with accepted engineering standards and methodologies that are appropriate to the reasonably foreseeable consequences of instability, and (b) demonstrating that geotechnical instability is unlikely to negatively impact on the stability of any adjacent or downstream undisturbed areas or rehabilitation areas, or rehabilitation areas' ability to retain its PMLU. 3.5 Independent AQP certifies achievement of MM3.1 to MM3.4 (inclusive).

Section F – Attachments

Attachment 1 – Species seed mix

Light Grazing PMLU and Water Storage (Grazing) - Land types: Mixed open forests on duplex and loam and blue gum on alluvial plains. Sources: [MO08-Mixed-open-forests-on-duplex-and-loam-v4.0.pdf](#); [MO01-Blue-gum-on-alluvial-plains-v4.0.pdf](#)

Scientific name	Common name	Minimum application rate (kg/ha)
Preferred - 3P		
<i>Bothriochloa bladhii</i>	Forest Bluegrass	
<i>Dicanthium sericeum</i>	Queensland Bluegrass	
<i>Heteropogon contortus</i>	Black speargrass	
<i>Capillipedium spicigerum</i>	Scentedtop	
<i>Themeda triandra</i>	Kangaroo Grass	
<i>Cymbopogon refractus</i>	Barbwire grass	
<i>Hyparrhenia filipendula</i>	Tambookie grass	
Minimum total sowing rate		8kg/ha
Intermediate		
<i>Digitaria hystrichoides</i>	Umbrella grass	
<i>Hyparrhenia filipendula</i>	Tambookie grass	
<i>Eriochloa crebra</i>	Spring grass	
<i>Austrostipa verticillata</i>	Slender bamboo grass	
<i>Bothriochloa decipiens</i>	Pitted bluegrass	
<i>Eriachne vesiculosa</i>	Bottlewasher grasses	
<i>Eragrostis spp.</i>	Lovegrass (native)	
Minimum total sowing rate		2kg/ha
Legume		
<i>Rhynchosia minima</i>	Rhynchosia	
<i>Glycine tabacina</i>	Glycine pea	
<i>Glycine tomentella</i>	Woolly glycine	
<i>Cullen tenax</i>	Emu foot	
Minimum total sowing rate		2kg/ha
Shade trees		
<i>Eucalyptus crebra</i>	Narrow-leaved ironbark	
<i>Eucalyptus paniculata</i>	Grey ironbark	
<i>Eucalyptus melanophloia</i>	Silver-leaved ironbark	
<i>Corymbia intermedia</i>	Pink bloodwood	
<i>Corymbia trachyphloia</i>	Brown bloodwood	
<i>Corymbia clarksoniana</i>	Clarkson's bloodwood	
<i>Corymbia erythrophloia</i>	Variable bark bloodwood	
<i>Corymbia maculata</i>	Spotted gum	
<i>Eucalyptus moluccana</i>	Gum-topped box, Grey Gum	
<i>Eucalyptus tereticornis</i>	Queensland blue gum	
<i>Corymbia tessellaris</i>	Moreton Bay ash	
Minimum total sowing rate		4kg/ha

Attachment 2 – Erosion 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 horizon; root exposure; moderate substantial soil deposits downslope
Rill erosion	<15 rills/100m	15-30 rills/100m	>30 rills/100m
Gully erosion	Absent	Absent	Present
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Attachment 3 – Surface water monitoring locations

Monitoring Locations	Receiving waters location description	Latitude (GDA2020)	Longitude (GDA2020)
<i>Upstream monitoring locations</i>			
EW1	Ebenezer Creek upstream site	-27.69448663	152.6421043
<i>Downstream monitoring locations</i>			
EW7	Ebenezer Creek downstream site of ML4712	-27.67660684	152.6614023
EW33	Tailings dam overflow	-27.67538341	152.6575542
EW34	Culvert from spoil dump to Ebenezer Creek	-27.67887978	152.6521714
EW35	Discharge from adjacent to out of pit dump	-27.68992554	152.6413308

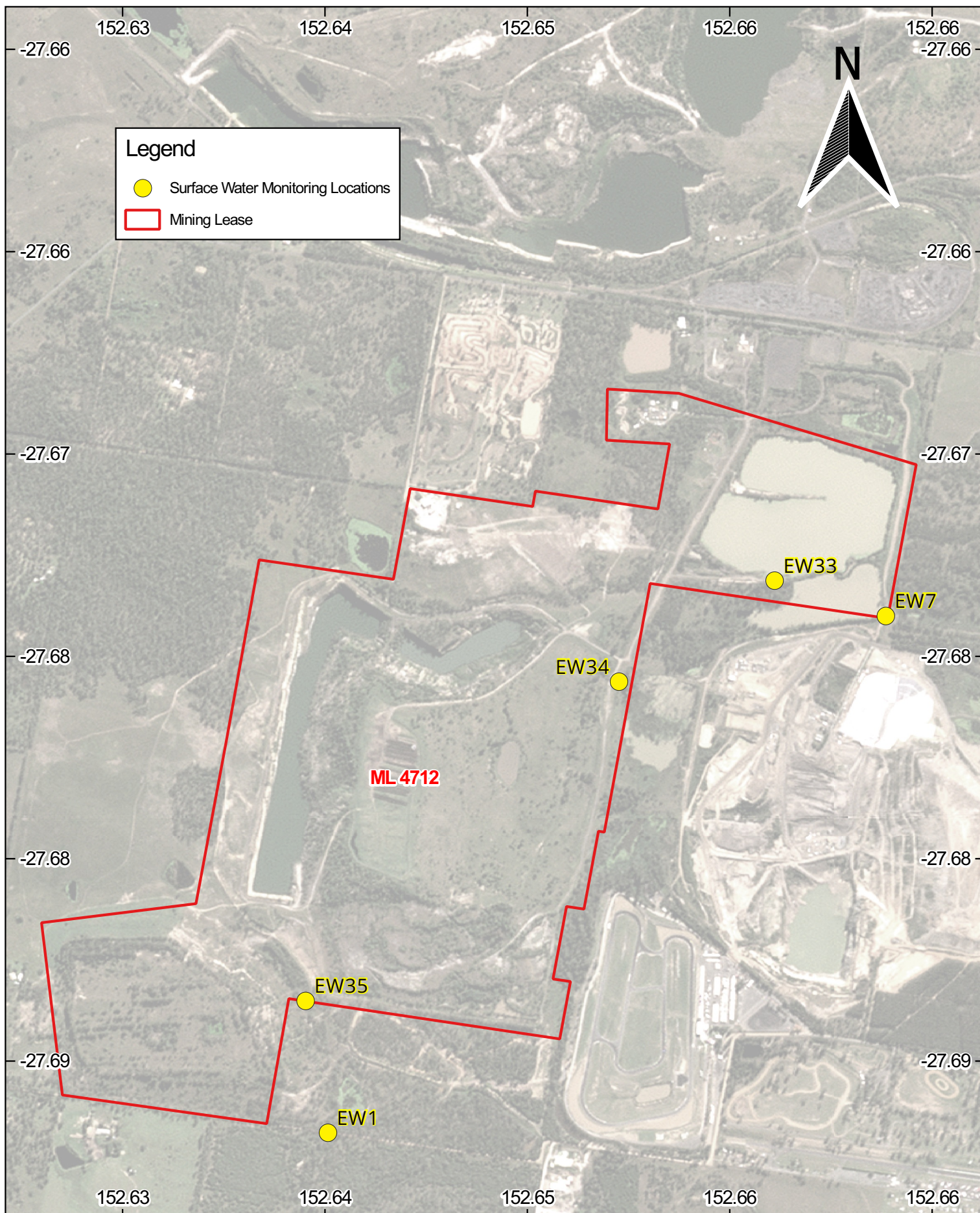


Figure 3:
Surface Water Monitoring Locations

0 0.2 0.4 0.6 0.8 km

Scale 1:13000

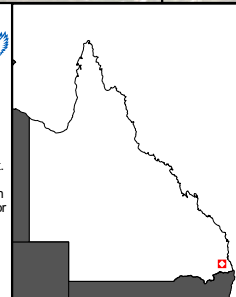
Prepared by
Department of the
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Attachment 4 – Surface water quality limits

Quality characteristic (units)	Limit	Comment on limit
pH	6.0 - 8.50	Site-specific
Electrical Conductivity (µS/cm)	770	Lower Warrill Creek WQO
Sulfate	50	Lower Warrill Creek WQO
Total Suspended Solids (mg/L)	160	Site-specific
Turbidity (NTU)	17	Lower Warrill Creek WQO
Aluminium - dissolved (µg/L)	55	ANZG 2018
Barium – dissolved (µg/L)	200	Site-specific
Boron – dissolved (µg/L)	200	Site-specific
Cobalt - dissolved (µg/L)	1.4	ANZG 2018
Chromium - dissolved (µg/L)	1.0	ANZG 2018
Copper - dissolved (µg/L)	3	Site-specific
Manganese - dissolved (µg/L)	80	Site-specific
Molybdenum - dissolved (µg/L)	34	ANZG 2018
Nickel - dissolved (µg/L)	11	ANZG 2018
Selenium - dissolved (µg/L)	5	ANZG 2018
Vanadium – dissolved (µg/L)	6	ANZG 2018
Zinc - dissolved (µg/L)	8	ANZG 2018
Total recoverable hydrocarbons (C6-C9) (µg/L)	20	-
Total recoverable hydrocarbons (C10-C36) (µg/L)	100	-
Major ions (mg/L) - Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes	-
Hardness (mg/L)	For interpretation purposes	-

Notes:

- All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).
- Limits for metals and metalloids apply to dissolved results.
- ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection).
- Surface water Bremer River Environmental Values and Water Quality Objectives (WQO) - https://environment.des.qld.gov.au/_data/assets/pdf_file/0024/273624/bremer-river-ev-wqo.pdf#:~:text=This%20document%20contains%20EVs%20and%20WQOs%20for%20surface,7%20of%20the%20EPP%20%28Water%20and%20Wetland%20Biodiversity%29.

Attachment 5 – Groundwater monitoring bores

Monitoring Bore	Hydrogeological Unit	Compliance assessment required		Location	
		Water quality (Y/N)	Water level (Y/N)	Latitude (GDA2020)	Longitude (GDA2020)
GW001	Walloon Coal Measures	Y	Y	-27.667446	152.6611
GW002	Walloon Coal Measures	Y	Y	-27.670905	152.6608211
GW003	Walloon Coal Measures	Y	Y	-27.671968	152.6552029
GW004	Walloon Coal Measures	Y	Y	-27.675516	152.6569345
GW005	Walloon Coal Measures	Y	Y	-27.674467	152.6407903
GW006	Walloon Coal Measures	Y	Y	-27.680775	152.6386797
GW007	Walloon Coal Measures	Y	Y	-27.687678	152.6405915
GW008	Walloon Coal Measures	Y	Y	-27.690152	152.6449924
GW009	Walloon Coal Measures	Y	Y	-27.683955	152.651371
GW010	Walloon Coal Measures	Y	Y	-27.666214	152.6530711

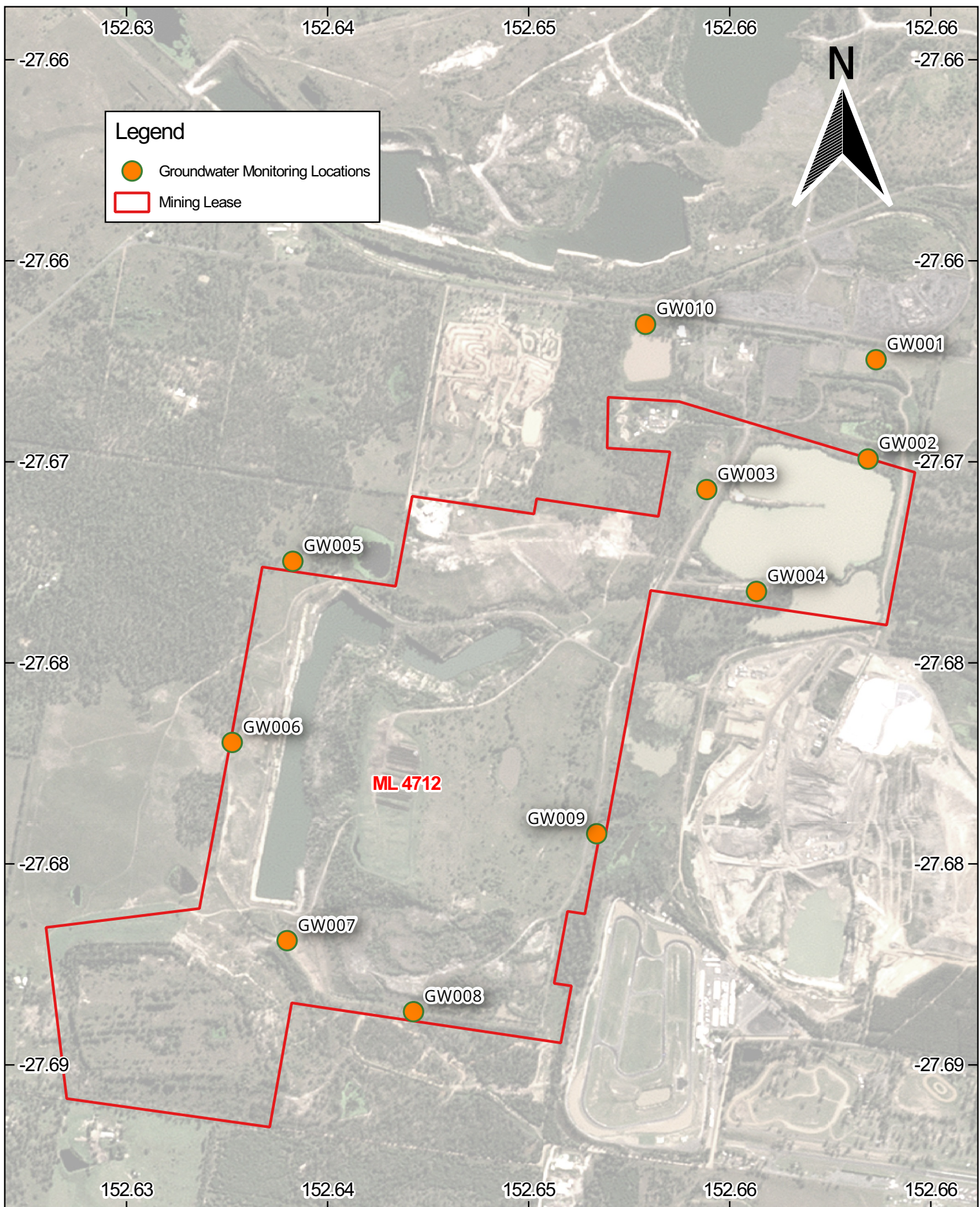


Figure 4:
Groundwater Monitoring Locations

Attachment 6 – Groundwater quality limits

Monitoring Bore	Hydrogeological Unit	Electrical conductivity ($\mu\text{S/cm}$) *	Sulphate (mg/L) *
GW001	Walloon Coal Measures	11,200	45
GW002	Walloon Coal Measures	15,000	45
GW003	Walloon Coal Measures	16,300	120
GW004	Walloon Coal Measures	11,000	45
GW005	Walloon Coal Measures	3,700	30
GW006	Walloon Coal Measures	3,700	30
GW007	Walloon Coal Measures	9,860	40
GW008	Walloon Coal Measures	9,400	40
GW009	Walloon Coal Measures	7,580	40
GW010	Walloon Coal Measures	4,440	40

PRCP schedule

P-PRCP-100998185 Ebenezer Mine

Quality characteristic (units)	Monitoring Bore	Limit	
pH	All bores	6.5 - 8.7	Site-Specific
Aluminium - dissolved (µg/L)	All bores	55	ANZG 2018
Barium - dissolved (µg/L)	All bores	200	Site-specific
Boron - dissolved (µg/L)	All bores	940	ANZG 2018
Chromium - dissolved (µg/L)	All bores	1.0	ANZG 2018
Cobalt - dissolved (µg/L)	All bores	1.4	ANZG 2018
Copper - dissolved (µg/L)	All bores	1.4	ANZG 2018
Manganese - dissolved (µg/L)	All bores	40	Site-specific
Molybdenum - dissolved (µg/L)	All bores	34	ANZG 2018
Nickel - dissolved (µg/L)	All bores	11	ANZG 2018
Selenium - dissolved (µg/L)	All bores	5	ANZG 2018
Vanadium - dissolved (µg/L)	All bores	6	ANZG 2018
Zinc - dissolved (µg/L)	All bores	30	Site-specific
Major ions (mg/L) - calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	All bores	For interpretation purposes	
Hardness (mg/L)			
Water level (mAHD)			

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)

END OF PRCP SCHEDULE