

# PRCP schedule

*Environmental Protection Act 1994*

**PRCP schedule P-PRCP-100911351**

*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-100911351

**PRCP schedule holder(s)**

| Name(s)                                | Registered address                |
|----------------------------------------|-----------------------------------|
| Queensland Industrial Minerals Pty Ltd | 7 Nelson Road<br>YENNORA NSW 2161 |

**Location details**

| Location(s)       |
|-------------------|
| ML 80116, MDL 355 |

**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.

*Sarah de Vries*

Signature

13 November 2025

Date

Sarah De Vries  
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 - Definitions
- Section C - Final site design and reference maps
- Section D - Post mining land uses

## Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

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

### General conditions

- PRCP1** All mining disturbance authorised under EA EPML00848413 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';
  - (b) describe in the notification why or why not it considers that it would be reasonable and appropriate to apply to the administering authority 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:

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 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, Titled: Transitional Progressive Rehabilitation and Closure Plan Queensland Industrial Minerals Pty Ltd Wateranga Project -ML80116, July 2025;
  - (b) any requirement under this schedule; and
  - (c) as necessary to demonstrate achievement of each rehabilitation 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, 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 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** 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 which includes achieving the relevant post mining land use for the disturbance location as detailed in Figure 1 – Final Site Design.
- PRCP13** The holder must, prior to the completion of mining, submit to the administering authority updated long term post-mining prediction numerical modelling for drawdown and groundwater level elevations.
- The predictive groundwater modelling as per the Australian Groundwater Modelling Guidelines (current version), confirms that groundwater drawdown will not negatively impact groundwater dependent ecosystems (GDEs) on or surrounding the site.
- PRCP14** By **3 November 2027**, the holder must submit to the administering authority a flood risk assessment for progressive rehabilitation areas, disturbance areas, and levees and the final landforms that will remain post-closure. The assessment must:
- a) Be prepared by an independent appropriately qualified person (AQP).
  - b) Identify and evaluate hydraulic interactions between Levees and disturbance areas with creeks, Burnett River, Paradise Dam storage and Paradise Dam tailwater variability using ARR 2019 consistent hydrology and hydraulic models under extreme flood scenarios, including and up to 0.1% AEP and PMF.
  - c) Include a Consequence Category Assessment (CCA) for Levees in accordance with ESR/2016/1933.
  - d) Document the assessment and demonstrate how levee design will prevent serious environmental harm being caused to structures, landforms, and the receiving environment e.g., Paradise Dam storage and downstream during flood events, including extreme events.
  - e) Recommend design and design modifications for levees or new measures to provide flood immunity, safety and environmental protection during operation or in closure if required, ensuring serious environmental harm is prevented when subjected to flood events.

**PRCP15** By **3 November 2027** the holder must submit to the administering authority the report required in PRCP 14, along with a certification by an independent AQP that endorses the flood risk assessment, confirms that it is consistent with good professional practice, is fit for purpose, and that they support the findings and recommendations.

**PRCP16** By **3 November 2027**, based on findings of **PRCP 14, 15**, and requirements for flood control, the holder must:

- a) Submit a conceptual design plan for levees and any new or modified structure to the administering authority, prepared by an RPEQ and certified by an appropriate-discipline RPEQ, in accordance with ESR/2016/1933, and relevant guidelines.

**PRCP17** Prior to the construction or modification of any new flood protection measures ensure all relevant approvals are obtained.

**PRCP18** By **3 November 2030** or 1 year prior to the commencement of wet processing, whichever is sooner, the holder must submit to the administering authority a final landform design plan that includes all four mining areas and is prepared by an appropriately qualified person. The final landform design plan must build upon the conceptual landform design for the project and:

- a) Identify all contaminants of concern in tailings material.
- b) Assess the geochemical risks of the placement of buried tailings material within the landform with respect to the potential for leaching of salts and metals to surface waters or ground waters.
- c) Assess the geotechnical stability of the final landform design
- d) Assess the hydrogeological conditions created in the eluvium and interactions with surface waters
- e) Include hydraulic modelling
- f) undergo stakeholder consultation
- g) Assess the effectiveness of vegetation establishment over tailings
- h) Include a detailed engineering design

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— <ol style="list-style-type: none"> <li>preparing a place for the activity before carrying out the activity;</li> <li>rehabilitating a place after it has been used for carrying out the activity.</li> </ol>                                                                                                                                                               |
| BioCondition                         | refers to the <i>BioCondition Assessment Manual</i> (Eyre, T.J., Kelly, A.L, Neldner, V.J., Wilson, B.A., Ferguson, D.J., Laidlaw, M.J. and Franks, A.J. (2015)) and <i>BioCondition: A Condition Assessment Framework for Terrestrial Biodiversity in Queensland. Assessment Manual. Version 2.2</i> (Queensland Herbarium, Department of Science, Information Technology, Innovation and Arts, Brisbane) or later versions thereof.            |
| Contaminants                         | can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants.                                                                                                                                                                                                                          |
| Contaminated Land Auditor            | A contaminated land auditor is responsible for auditing the work of the suitably qualified person (SQP) by evaluating and certifying site investigation and validation reports and drafting the site management plans that are submitted for a decision on a land contamination matter.                                                                                                                                                          |
| Ecosystem altering weeds             | are invasive plants that have the capacity to change the character, condition, form or nature of ecosystems over a substantial area relative to the extent of that ecosystem. They can outcompete native species, alter habitats and/or change fire regimes, thereby negatively impacting biodiversity and ecosystem function.                                                                                                                   |
| Environmentally problematic material | means material that will negatively impact water quality and stability or vegetation growth.                                                                                                                                                                                                                                                                                                                                                     |
| 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, 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.                                          |
| Potentially acid forming (PAF)                  | means material with either a Net Acid Producing Potential of greater than 5 kg of H <sub>2</sub> SO <sub>4</sub> /tonne or a Net Acid Generation oxidation pH of less than 4.5 (pH unit).                                                                                                                                                                                                                                |
| Rehabilitation activity                         | means any activity that the holder is required to carry out in relation to this PRCP schedule.                                                                                                                                                                                                                                                                                                                           |
| Relevant material                               | includes: <ul style="list-style-type: none"> <li>i. Final landform design report,</li> <li>ii. Durability assessment/ report,</li> <li>iii. "As Constructed" report;</li> <li>iv. All monitoring data</li> <li>v. Assessment of monitoring data,</li> <li>vi. All maintenance records; and</li> <li>vii. Modelling and technical assessments.</li> </ul>                                                                 |
| 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.<br><br>Stability includes consideration of environmental context, geotechnical stability, settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation. |
| Stabilised                                      | means one or both of the following conditions apply: no evidence of sediment movement; sides and/or floors of erosion form are revegetated (Australian Soil and Land Survey Field Handbook Fourth Edition).                                                                                                                                                                                                              |
| Stable condition                                | see section 111A of the Environmental Protection Act 1994.                                                                                                                                                                                                                                                                                                                                                               |
| 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— <ul style="list-style-type: none"> <li>a. has qualifications and experience relevant to performing the function; and</li> </ul>                                                                                                                    |

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
|                        | 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 that can displace native plants, disrupt ecosystems, and alter landscapes.                              |

## Section C - Final site design and reference maps

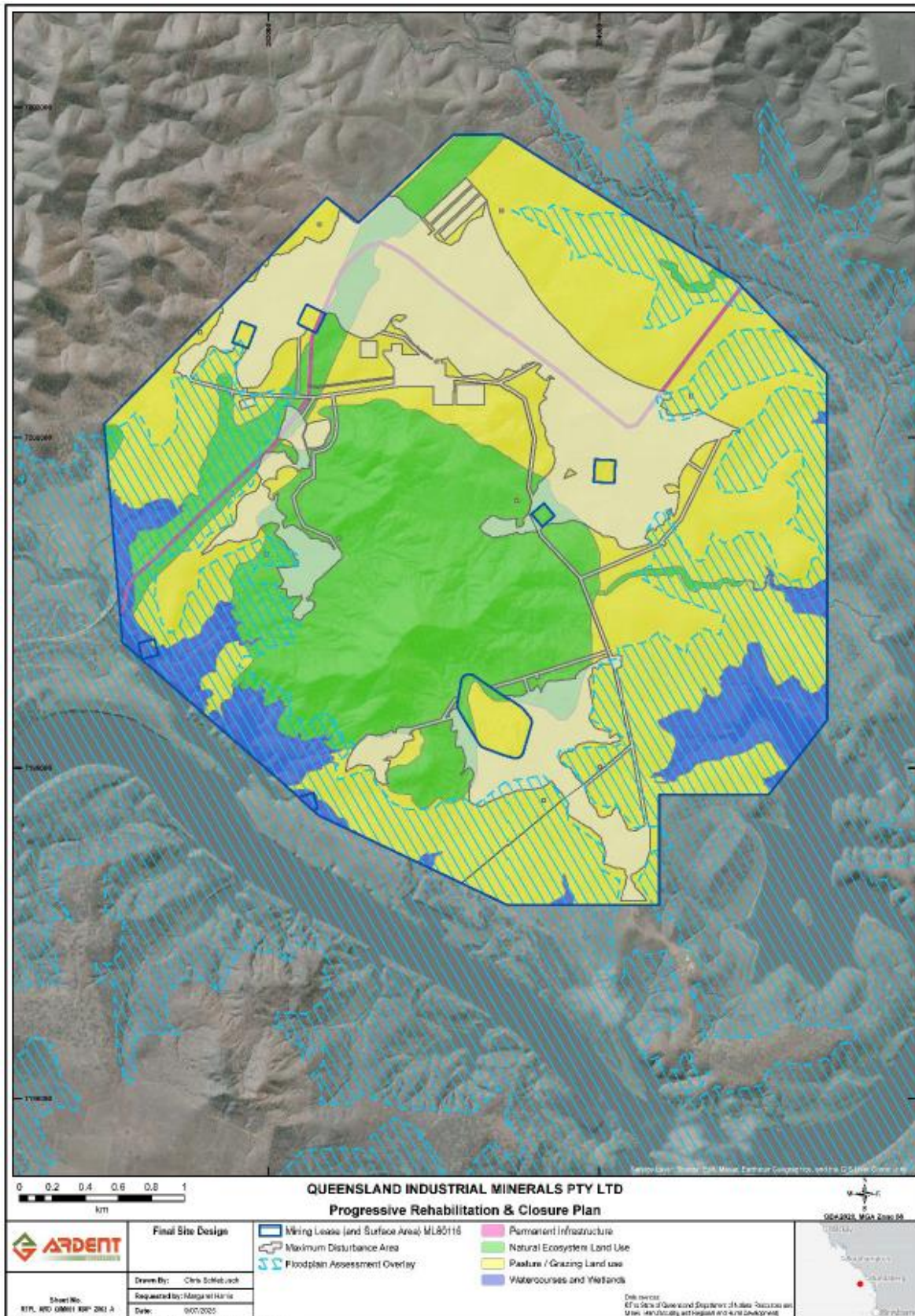


Figure 1: Final Site Design

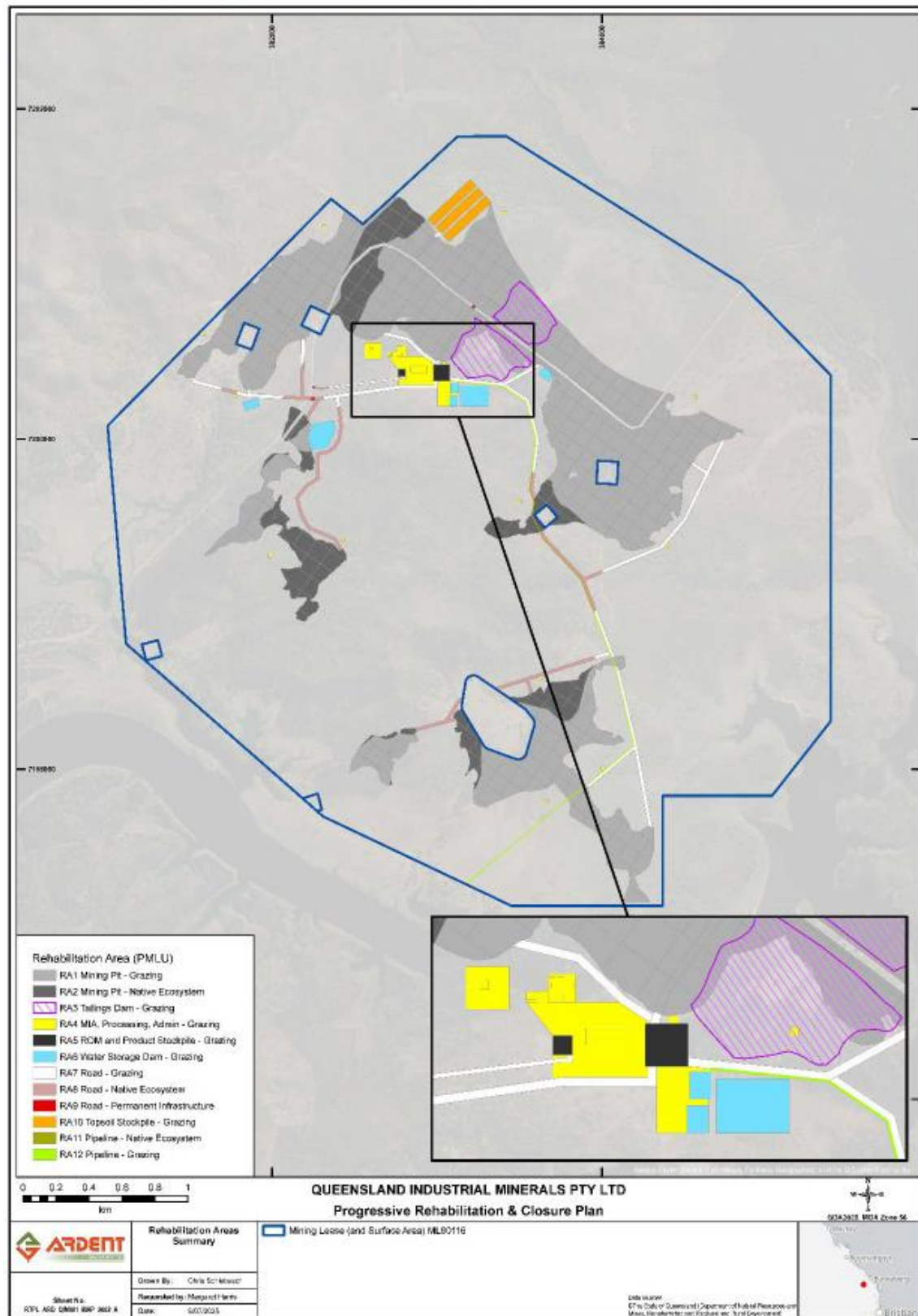


Figure 2: Reference map

## Section D – Post mining land uses

| Milestone reference | Rehabilitation milestone                                                           | Rehabilitation Area |           |              |                |                           |                   |         |        |           |                   |                |                |
|---------------------|------------------------------------------------------------------------------------|---------------------|-----------|--------------|----------------|---------------------------|-------------------|---------|--------|-----------|-------------------|----------------|----------------|
|                     |                                                                                    | RA1                 | RA2       | RA3          | RA4            | RA5                       | RA6               | RA7     | RA8    | RA9       | RA10              | RA11           | RA12           |
|                     | <b>Activity</b>                                                                    | Mine Void           | Mine Void | Tailings Dam | Infrastructure | ROM and Product stockpile | Water storage dam | Road    | Road   | Road      | Topsoil stockpile | Water pipeline | Water pipeline |
|                     | <b>PMLU</b>                                                                        | Grazing             | Native    | Grazing      | Grazing        | Grazing                   | Grazing           | Grazing | Native | Permanent | Grazing           | Grazing        | Native         |
| <b>RM1</b>          | Infrastructure decommissioning and removal                                         |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM2</b>          | Remediation of contaminated land                                                   |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM3</b>          | Landform development and reshaping                                                 |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM4</b>          | Surface preparation                                                                |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM5</b>          | Revegetation                                                                       |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM6</b>          | Achievement of surface requirements                                                |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM7</b>          | Achievement of post-mining land use to stable condition                            |                     |           |              |                |                           |                   |         |        |           |                   |                |                |
| <b>RM8</b>          | Achievement of post-mining land use to stable condition (Permanent Infrastructure) |                     |           |              |                |                           |                   |         |        |           |                   |                |                |

**(RA1) Rehabilitation area 1**

| Post-mining land uses (PMLU)         |                               |          |          |          |           |          |          |
|--------------------------------------|-------------------------------|----------|----------|----------|-----------|----------|----------|
| Rehabilitation area                  | RA1                           |          |          |          |           |          |          |
| Relevant activities                  | Mine Void                     |          |          |          |           |          |          |
| Total rehabilitation area size (ha)  | 242.137                       |          |          |          |           |          |          |
| Commencement of first milestone: RM3 | 10/12/2028                    |          |          |          |           |          |          |
| PMLU                                 | Grazing                       |          |          |          |           |          |          |
| Date area is available               | 10/12/28                      | 10/12/30 | 10/12/32 | 10/12/35 | 10/12/37  | 10/12/40 | 10/12/43 |
| Cumulative area available (ha)       | 30                            | 90       | 160      | 220      | 242.137   | 242.137  | 242.137  |
| Milestone completed by               | 10/12/30                      | 10/12/32 | 10/12/35 | 10/12/37 | 10/12/340 | 10/12/43 | 10/12/46 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |          |           |          |          |
| RM3                                  | 30                            | 90       | 160      | 220      | 242.137   |          |          |
| RM4                                  | 30                            | 90       | 160      | 220      | 242.137   |          |          |
| RM5                                  | 30                            | 90       | 160      | 220      | 242.137   |          |          |
| RM6                                  |                               | 30       | 90       | 160      | 220       | 242.137  |          |
| RM7                                  |                               |          | 30       | 90       | 160       | 220      | 242.137  |

**(RA2) Rehabilitation area 2**

| Post-mining land uses (PMLU)         |                               |          |          |          |            |
|--------------------------------------|-------------------------------|----------|----------|----------|------------|
| Rehabilitation area                  | RA2                           |          |          |          |            |
| Relevant activities                  | Mine Void                     |          |          |          |            |
| Total rehabilitation area size (ha)  | 47.304                        |          |          |          |            |
| Commencement of first milestone: RM3 | 10/12/2028                    |          |          |          |            |
| PMLU                                 | Native ecosystem              |          |          |          |            |
| Date area is available               | 10/12/28                      | 10/12/32 | 10/12/36 | 10/12/42 | 10/12/2047 |
| Cumulative area available (ha)       | 21.438                        | 31.201   | 47.304   | 47.304   | 47.304     |
| Milestone completed by               | 10/12/32                      | 10/12/36 | 10/12/42 | 10/12/47 | 10/12/2051 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |          |            |
| RM3                                  | 21.438                        | 31.201   | 47.304   |          |            |
| RM4                                  | 21.438                        | 31.201   | 47.304   |          |            |
| RM5                                  | 21.438                        | 31.201   | 47.304   |          |            |
| RM6                                  | 21.438                        | 31.201   | 47.304   |          |            |
| RM7                                  |                               |          | 21.438   | 31.201   | 47.304     |

**(RA3) Rehabilitation area 3**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA3                           |          |          |
| Relevant activities                  | Tailings Dam                  |          |          |
| Total rehabilitation area size (ha)  | 18.117                        |          |          |
| Commencement of first milestone: RM3 | 10/12/2036                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/36                      | 10/12/39 | 10/12/41 |
| Cumulative area available (ha)       | 18.117                        | 18.117   | 18.117   |
| Milestone completed by               | 10/12/39                      | 10/12/41 | 10/12/43 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM3                                  | 18.117                        |          |          |
| RM4                                  | 18.117                        |          |          |
| RM5                                  | 18.117                        |          |          |
| RM6                                  |                               | 18.117   |          |
| RM7                                  |                               |          | 18.117   |

**(RA4) Rehabilitation area 4**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA4                           |          |          |
| Relevant activities                  | Infrastructure                |          |          |
| Total rehabilitation area size (ha)  | 7.041                         |          |          |
| Commencement of first milestone: RM1 | 10/12/2035                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/35                      | 10/12/36 | 10/12/38 |
| Cumulative area available (ha)       | 7.041                         | 7.041    | 7.041    |
| Milestone completed by               | 10/12/36                      | 10/12/38 | 10/12/41 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM1                                  | 7.041                         |          |          |
| RM2                                  | 7.041                         |          |          |
| RM3                                  | 7.041                         |          |          |
| RM4                                  | 7.041                         |          |          |
| RM5                                  | 7.041                         |          |          |
| RM6                                  |                               | 7.041    |          |
| RM7                                  |                               |          | 7.041    |

**(RA5) Rehabilitation area 5**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA5                           |          |          |
| Relevant activities                  | ROM and Product stockpile     |          |          |
| Total rehabilitation area size (ha)  | 1.203                         |          |          |
| Commencement of first milestone: RM2 | 10/12/2035                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/35                      | 10/12/36 | 10/12/38 |
| Cumulative area available (ha)       | 1.203                         | 1.203    | 1.203    |
| Milestone completed by               | 10/12/36                      | 10/12/38 | 10/12/41 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM2                                  | 1.203                         |          |          |
| RM3                                  | 1.203                         |          |          |
| RM4                                  | 1.203                         |          |          |
| RM5                                  | 1.203                         |          |          |
| RM6                                  |                               | 1.203    |          |
| RM7                                  |                               |          | 1.203    |

**(RA6) Rehabilitation area 6**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA6                           |          |          |
| Relevant activities                  | Water storage dam             |          |          |
| Total rehabilitation area size (ha)  | 5.848                         |          |          |
| Commencement of first milestone: RM3 | 10/12/2035                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/35                      | 10/12/36 | 10/12/38 |
| Cumulative area available (ha)       | 5.848                         | 5.848    | 5.848    |
| Milestone completed by               | 10/12/36                      | 10/12/38 | 10/12/41 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM3                                  | 5.848                         |          |          |
| RM4                                  | 5.848                         |          |          |
| RM5                                  | 5.848                         |          |          |
| RM6                                  |                               | 5.848    |          |
| RM7                                  |                               |          | 5.848    |

**(RA7) Rehabilitation area 7**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA7                           |          |          |
| Relevant activities                  | Road                          |          |          |
| Total rehabilitation area size (ha)  | 14.662                        |          |          |
| Commencement of first milestone: RM4 | 10/12/2036                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/36                      | 10/12/38 | 10/12/40 |
| Cumulative area available (ha)       | 14.662                        | 14.662   | 14.662   |
| Milestone completed by               | 10/12/38                      | 10/12/40 | 10/12/42 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM4                                  | 14.662                        |          |          |
| RM5                                  | 14.662                        |          |          |
| RM6                                  |                               | 14.662   |          |
| RM7                                  |                               |          | 14.662   |

**(RA8) Rehabilitation area 8**

| Post-mining land uses (PMLU)         |                               |          |
|--------------------------------------|-------------------------------|----------|
| Rehabilitation area                  | RA8                           |          |
| Relevant activities                  | Road                          |          |
| Total rehabilitation area size (ha)  | 7.565                         |          |
| Commencement of first milestone: RM4 | 10/12/2041                    |          |
| PMLU                                 | Native ecosystem              |          |
| Date area is available               | 10/12/41                      | 10/12/43 |
| Cumulative area available (ha)       | 7.565                         | 7.565    |
| Milestone completed by               | 10/12/43                      | 10/12/51 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |
| RM4                                  | 7.565                         |          |
| RM5                                  | 7.565                         |          |
| RM6                                  | 7.565                         |          |
| RM7                                  |                               | 7.565    |

**(RA9) Rehabilitation area 9**

| Post-mining land uses (PMLU)         |                               |
|--------------------------------------|-------------------------------|
| Rehabilitation area                  | RA9                           |
| Relevant activities                  | Road                          |
| Total rehabilitation area size (ha)  | 0.103                         |
| Commencement of first milestone: RM8 | 10/12/2037                    |
| PMLU                                 | Permanent infrastructure      |
| Date area is available               | 10/12/37                      |
| Cumulative area available (ha)       | 0.103                         |
| Milestone completed by               | 10/12/38                      |
| Milestone Reference                  | Cumulative area achieved (ha) |
| RM8                                  | 0.103                         |

**(RA10) Rehabilitation area 10**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA10                          |          |          |
| Relevant activities                  | Topsoil stockpile             |          |          |
| Total rehabilitation area size (ha)  | 5.739                         |          |          |
| Commencement of first milestone: RM3 | 10/12/2036                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/36                      | 10/12/39 | 10/12/41 |
| Cumulative area available (ha)       | 5.739                         | 5.739    | 5.739    |
| Milestone completed by               | 10/12/39                      | 10/12/41 | 10/12/43 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM3                                  | 5.739                         |          |          |
| RM4                                  | 5.739                         |          |          |
| RM5                                  | 5.739                         |          |          |
| RM6                                  |                               | 5.739    |          |
| RM7                                  |                               |          | 5.739    |

**(RA11) Rehabilitation area 11**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA11                          |          |          |
| Relevant activities                  | Water pipeline                |          |          |
| Total rehabilitation area size (ha)  | 0.061                         |          |          |
| Commencement of first milestone: RM1 | 10/12/2036                    |          |          |
| PMLU                                 | Grazing                       |          |          |
| Date area is available               | 10/12/36                      | 10/12/38 | 10/12/40 |
| Cumulative area available (ha)       | 0.061                         | 0.061    | 0.061    |
| Milestone completed by               | 10/12/38                      | 10/12/40 | 10/12/42 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM1                                  | 0.061                         |          |          |
| RM6                                  |                               | 0.061    |          |
| RM7                                  |                               |          | 0.061    |

**(RA12) Rehabilitation area 12**

| Post-mining land uses (PMLU)         |                               |          |          |
|--------------------------------------|-------------------------------|----------|----------|
| Rehabilitation area                  | RA12                          |          |          |
| Relevant activities                  | Water pipeline                |          |          |
| Total rehabilitation area size (ha)  | 0.02                          |          |          |
| Commencement of first milestone: RM1 | 10/12/2036                    |          |          |
| PMLU                                 | Native Ecosystem              |          |          |
| Date area is available               | 10/12/36                      | 10/12/38 | 10/12/40 |
| Cumulative area available (ha)       | 0.02                          | 0.02     | 0.02     |
| Milestone completed by               | 10/12/38                      | 10/12/40 | 10/12/47 |
| Milestone Reference                  | Cumulative area achieved (ha) |          |          |
| RM1                                  | 0.02                          |          |          |
| RM6                                  |                               | 0.02     |          |
| RM7                                  |                               |          | 0.02     |

## Rehabilitation area milestones

| Milestone reference | Rehabilitation milestone                   | Milestone criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RM1</b>          | Infrastructure decommissioning and removal | <p>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 or for the purposes of rehabilitation, the following are complete:</p> <ul style="list-style-type: none"> <li>a. All services disconnected, terminated and removed.</li> <li>b. All buildings and associated infrastructure demolished and removed offsite.</li> <li>c. All hardstand, concrete, bitumen and gravel removed.</li> <li>d. All fencing and associated foundations removed.</li> <li>e. All pipelines drained and removed.</li> <li>f. All waste not authorised to be disposed of on-site under Environmental Authority EPML00848413 removed.</li> <li>g. All surface water drainage/infrastructure removed.</li> <li>h. All drillholes, bores, sediment ponds and sumps decommissioned.</li> <li>i. All mining machinery and equipment, not required for rehabilitation works removed from site.</li> <li>j. All dams dewatered, desilted; and liner removed.</li> <li>k. Watercourse crossings and culverts removed.</li> <li>l. All tailings material removed from <b>RA3</b>.</li> </ul> <p>1.2 An independent AQP has certified the achievement of <b>RM1.1</b>.</p> |
| <b>RM2</b>          | Remediation of contaminated land           | <p>2.1 An SQP undertakes a Preliminary Site Investigation and prepares a site investigation report that includes a review of previous activities to assess whether contamination has the potential to exist in a mine domain and whether further investigation is needed to be completed by an SQP.</p> <p>2.2 Where further investigation is needed under <b>RM2.1</b> the following is completed;</p> <ul style="list-style-type: none"> <li>a. Contaminated land investigations (investigation, remediation and validation) completed by an SQP in accordance with appropriate guidance, including but not limited to the ASC NEPM and National Remediation Framework (NRF).</li> <li>b. All hazardous and contaminated material either remediated in situ or removed/transported to facility lawfully able to accept the material.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|            |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |                                    | <p>c. Contaminated water and sediment removed from dams.</p> <p>d. Contaminated land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RM3</b> | Landform development and reshaping | <p>3.1 Final landform design reviewed by AQP and certified as suitable for achieving a safe, stable and non-polluting landform able to sustain the proposed PMLU.</p> <p>3.2 Detailed engineering design completed by AQP for tailings disposal, surface contours and drainage.</p> <p>3.3 Surface trafficability is suitable for the commencement of earthworks, including dewatering of water storages.</p> <p>3.4 All major earthworks (including reshaping, pushing/trimming) are completed in accordance with the design specification provided by an AQP in the landform closure design report.</p> <p>3.5 An "As-Constructed Report" prepared which details and justifies all variations to the design, including a certification that such variations will not affect the design performance.</p> <p>3.6 Constructed landform achieves geotechnical stability with a Factor of Safety (FOS) <math>\geq 1.5</math>, which includes consideration of flood stress.</p> <p>3.7 Disturbed natural watercourse bed and banks returned to a natural condition with profile similar to the pre-disturbance condition.</p> <p>3.8 All landforms are shaped to be water shedding.</p> <p>3.9 Environmentally problematic material are appropriately placed and located within the final landform, consistent with the relevant designs.</p> <p>3.10 Erosion and sediment control facilities decommissioned and left free draining.</p> <p>3.11 Restored drainage lines are stabilised and constructed to accommodate base flows and flood/ fresh flow events.</p> <p>3.12 Independent AQP has surveyed the final landform and certified that <b>RM3.1-3.11</b> have been achieved.</p> |
| <b>RM4</b> | Surface preparation                | <p>4.1 Assessment of growth media characteristics and the development of an amelioration and physical treatment plan is completed by an AQP.</p> <p>4.2 Ameliorant and physical treatments such as fertiliser, gypsum, lime and/or organic matter are applied as identified in criteria <b>RM4.1</b>.</p> <p>4.3 Growth media placement of a minimum 150mm in areas where topsoil has previously been removed.</p> <p>4.4 Deep ripping of compacted surfaces, at least 300 mm (or refusal) into soil/subsoil profile along contour of slopes.</p> <p>4.5 Following amelioration as per criteria <b>4.1</b> and <b>4.2</b>, representative soil testing of growth media confirms:</p> <ol style="list-style-type: none"> <li>pH in the range of 6 - 8.5;</li> <li>Electrical Conductivity (saturated extract) (dS/m) <math>\leq 2</math> (2,000 <math>\mu\text{S/cm}</math>);</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|            |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |                                     | <p>c. Exchangeable sodium percentage (ESP) (%) &lt; 6; and</p> <p>d. Emerson aggregate class: <math>\geq 4</math>.</p> <p>4.6 Growth media health and suitability is assessed and documented by an AQP as suitable for the PMLU and target vegetation establishment.</p> <p>4.7 The surface and groundwater monitoring network are installed, and monitoring is underway (one year of sampling undertaken).</p> <p>4.8 Independent AQP has certified the plan in <b>RM4.1</b> and achievement of <b>RM 4.2-4.7</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RM5</b> | Revegetation                        | <p><b>Grazing PMLU (RA1, RA4, RA5, RA6, RA7, RA10, RA11)</b></p> <p>5.1 Seed applied using the seed mix and sowing rates described in <b>Table 2a - Grazing PMLU seed mix</b>.</p> <p>5.2 At least four species of 3P native pasture species, two native legumes and two native shade tree species established, from <b>Table 2a - Grazing PMLU seed mix</b> are applied per application area.</p> <p><b>Native ecosystem PMLU (RA2, RA3, RA8, RA12)</b></p> <p>5.3 Seed applied using the seed mix and sowing rates described in <b>Table 2b - Native Ecosystem seed mix</b>.</p> <p>5.4 Non-native seed must not be used for the revegetation (except when sterile cover crops are used).</p> <p>5.5 Germination success 70% of groundcover species.</p> <p>5.6 Install/maintain stock exclusion fencing to exclude stock access during establishment.</p> <p>5.7 Independent AQP has certified the achievement of <b>RM 5.1-5.6</b>.</p> |
| <b>RM6</b> | Achievement of surface requirements | <p>6.1 Species used in revegetation remain present and show evidence of natural recruitment. Evidence of flora recruitment from rehabilitation monitoring data.</p> <p>6.2 Total vegetative groundcover <math>\geq 50\%</math>.</p> <p>6.3 Weed presence is at a maximum of 5% of total vegetation cover.</p> <p>6.4 Weeds are being appropriately managed.</p> <p>6.5 Absence of ecosystem altering weeds.</p> <p><b>Grazing PMLU (RA1, RA4, RA5, RA6, RA7, RA10, RA11)</b></p> <p>6.6 Minimum vegetation composition (per hectare (averaged)) of:</p> <p>a. four species of 3P native pasture species;</p>                                                                                                                                                                                                                                                                                                                                |

|            |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |                                                         | <ul style="list-style-type: none"> <li>b. two native legumes;</li> <li>c. two native shade tree species, present; and</li> <li>d. Land Suitability class is <math>\leq 3</math>.</li> </ul> <p><b>Native ecosystem PMLU (RA2, RA3, RA8, RA12)</b></p> <p>6.7 A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual'.</p> <p>6.8 The BioCondition assessment complies with the total score per <b>Table 3 - BioCondition Benchmark for Regional Ecosystem 12.11.8</b>.</p> <p>6.9 Native ecosystem established that provides habitat opportunities for native invertebrate and vertebrate including:</p> <ul style="list-style-type: none"> <li>a. Evidence of key invertebrate groups (e.g. ants, beetles and spiders) and soil faunal communities.</li> <li>b. Evidence of key native vertebrate groups (e.g. bird, mammal, reptile and amphibian) in the form of fauna spotting, spotlighting, scats and tracks within regrowth areas.</li> </ul> <p>6.10 No evidence of erosion classified as 'moderate' or 'severe' as defined by <b>Table 1 - Erosion Classification Framework</b>.</p> <p>6.11 Any erosion present will not compromise the achievement of a PMLU to a stable condition.</p> <p>6.12 Erosion requiring intervention has been remediated and does not impact achieving the PMLU.</p> <p>6.13 Corrective action arising from the routine inspections program have been undertaken.</p> <p>6.14 No evidence of scouring, overtopping, sedimentation or destabilisation in or associated with erosion and sediment control and engineered drainage structures</p> <p>6.15 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.</p> <p>6.16 Surface water runoff complies with <b>Table 4 - Surface water quality limits</b>.</p> <p>6.17 Independent AQP certifies achievement of <b>RM6.1-6.16</b>.</p> |
| <b>RM7</b> | Achievement of post-mining land use to stable condition | <p>7.1 Safety hazards in the rehabilitation area are not significantly different to surrounding unmined landscapes subject to the same land use.</p> <p>7.2 The land is structurally and erosionally stable.</p> <p>7.3 The final landform is geotechnically stable and achieved a factor of safety <math>\geq 1.5</math>.</p> <p>7.4 The final landform conforms with the detailed design in the final landform design plan.</p> <p>7.5 Total vegetative groundcover <math>\geq 70\%</math>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>7.6 Weed presence is a maximum of 5% of total vegetative cover confirmed by an AQP in annual monitoring.</p> <p>7.7 Restricted invasive plants (as defined in the <i>Biosecurity Act 2014</i>) comprise <math>\leq 5\%</math> of vegetation groundcover.</p> <p>7.8 Absence of ecosystem altering weeds.</p> <p>7.9 No evidence of erosion classified as 'moderate' or 'severe' as defined by <b>Table 1 - Erosion Classification Framework</b>.</p> <p>7.10 Any erosion present will not compromise the achievement of a PMLU to a stable condition.</p> <p>7.11 No stream bank erosion present at transition of installed drainage to undisturbed drainage.</p> <p>7.12 No evidence of scouring, overtopping, sedimentation or destabilisation in or associated with erosion and sediment control and engineered drainage structures.</p> <p>7.13 Soil testing of the growth media confirms the topsoil and subsoil physical, chemical and biological properties are not limiting vegetation cover performance (e.g. nutrient availability, drought stress).</p> <p>7.14 Final landform survey confirms no built structures remain other than those that form part of a landholder agreement.</p> <p>7.15 Levees are removed, and a flood assessment is complete that demonstrates the final landform is stable, drains adequately and does not cause off-site impacts.</p> <p>7.16 Surface water runoff complies with <b>Table 4- Surface water quality limits</b>.</p> <p>7.17 Surface water quality monitored monthly during flow at, but not limited to, downstream locations specified in <b>Table 5 - Surface water monitoring locations</b> must not exceed the limits in <b>Table 4 - Surface water quality limits</b>, for a minimum of 5 consecutive years.</p> <p>7.18 If the surface water quality exceeds criteria <b>RM7.17</b>, 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 site<sup>1</sup>.</p> <p>7.19 For a minimum of 5 consecutive years groundwater must be monitored quarterly at, but not limited to, bores specified in <b>Table 6 - Groundwater monitoring locations</b> for the relevant group, for all quality characteristics listed in <b>Table 7 - Groundwater quality limits</b>.</p> <p>7.20 Groundwater quality results must not exceed the limits in <b>Table 7 - Groundwater quality limits</b>, for three consecutive results.</p> |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|            |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |                                                                                    | <p><b>Grazing PMLU (RA1, RA4, RA5, RA6, RA7, RA10, RA11)</b></p> <p>7.21 &gt;50% established and self-sustaining vegetative groundcover of species as listed in <b>Table 2a - Grazing PMLU seed mix</b>.</p> <p>7.23 Minimum vegetation composition (per hectare (averaged)) of:</p> <ul style="list-style-type: none"> <li>a. four species of 3P native pasture species;</li> <li>b. two native legumes;</li> <li>c. two native shade tree species, present; and</li> </ul> <p>7.24 Within two years of establishment, overall grazing land condition is 'good', as defined in the GLM Land Condition Framework (Quirk &amp; McIvor 2007).</p> <p>7.25 Land Suitability class is <math>\leq 3</math>.</p> <p><b>Native ecosystem PMLU (RA2, RA3, RA8, RA12)</b></p> <p>7.26 Fauna species recorded include those species observed during pre-mining surveys.</p> <p>7.27 A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual'.</p> <p>7.28 The BioCondition assessment complies with the total score for the PMLU, as per <b>Table 3 - BioCondition Benchmark for Regional Ecosystem 12.11.8</b>.</p> <p>7.29 Independent AQP certifies achievement of <b>RM7.1-7.28</b>.</p> |
| <b>RM8</b> | Achievement of post-mining land use to stable condition (Permanent Infrastructure) | <p>8.1 Provision of a signed statement from local council commenting on overall satisfaction with maintenance of Council Road.</p> <p>8.2 Infrastructure to be transitioned to the landholder is deemed fit for purpose (verified by an AQP) and accepted, by signed agreement, with the landholder.</p> <p>8.3 An AQP certifies that all infrastructure to be retained onsite is safe, stable and will not cause environmental harm.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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                   | <15 rills pre transect*         | 15-30 rills per transect*                                    | >30 rills per transect*                                                                        |
| Gully erosion          | Absent                          | Absent                                                       | Present                                                                                        |
| Tunnel erosion         | Absent                          | Absent                                                       | Present                                                                                        |
| Mass movement          | Absent                          | Absent                                                       | Present                                                                                        |

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

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

**Table 2a - Grazing PMLU seed mix**

|        | Scientific Name                  | Common Name            | Sowing rates                        |
|--------|----------------------------------|------------------------|-------------------------------------|
| Grass  | <i>Aristida latifolia</i>        | Feathertop wiregrass   | 1kg/hectare/species pasture grasses |
|        | <i>Bothriochloa ewartiana</i>    | Desert Bluegrass       |                                     |
|        | <i>Bothriochloa insculpta</i>    | Creeping Bluegrass     |                                     |
|        | <i>Capillipedium parviflorum</i> | Scented Top Grass      |                                     |
|        | <i>Capillipedium spicigerum</i>  | Scented Top Grass      |                                     |
|        | <i>Dichanthium sericeum</i>      | Queensland Bluegrass   |                                     |
|        | <i>Heteropogon contortus</i>     | Black Speargrass       |                                     |
|        | <i>Themeda triandra</i>          | Kangaroo grass         |                                     |
| Legume | <i>Desmanthus virgatus</i>       | Wild tantan            | 2kg/hectare for legume species      |
| Tree   | <i>Eucalyptus crebra</i>         | Narrow-leaved ironbark | 200g/species/ha                     |
|        | <i>Corymbia clarksoniana</i>     | Clarkson's bloodwood   |                                     |

Table 2b - Native Ecosystem seed mix

|       | Scientific Name                 | Common Name            | Sowing rates    |
|-------|---------------------------------|------------------------|-----------------|
| Tree  | <i>Eucalyptus crebra</i>        | Narrow-leaved ironbark | 200g/species/ha |
|       | <i>Eucalyptus melanophloia</i>  | Silver-leaved ironbark |                 |
|       | <i>Corymbia clarksoniana</i>    | Clarkson's bloodwood   |                 |
|       | <i>Corymbia erythrophloia</i>   | Red bloodwood          |                 |
|       | <i>Corymbia tessellaris</i>     | Moreton Bay ash        |                 |
|       | <i>Casuarina cunninghamiana</i> | River sheoak           |                 |
|       | <i>Acacia leicalyx</i>          | Black wattle           |                 |
|       | <i>Alphitonia excelsa</i>       | Red Ash                |                 |
| Shrub | <i>Pultenaea spp</i>            | Bush pea               | 400g/species/ha |
| Grass | <i>Heteropogon contortus</i>    | Black Speargrass       | 400g/species/ha |
|       | <i>Aristida latifolia</i>       | Feathertop wiregrass   |                 |
|       | <i>Cymbopogon refractus</i>     | Barb wire grass        |                 |
|       | <i>Lomandra longifolia</i>      | Basket Grass           |                 |

**Table 3 - BioCondition Benchmark for RE12.11.8**

| Attribute                                        | Weighting (%)                                            | Benchmark values for Regional Ecosystem 12.11.8             | BioCondition Score - Revegetation 5 years after seeding                                                   | BioCondition Score - Achieving of stable condition - trajectory to achievement after 10 years |
|--------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Recruitment of dominant canopy species (%)       | 5                                                        | 100%                                                        | 3 ( $\geq 20$ – 75% of dominant canopy species present as regeneration).                                  | 5 ( $\geq 75\%$ of dominant canopy species present as regeneration).                          |
| Tree canopy cover (%)                            | 5                                                        | 40%                                                         | 2 ( $\geq 4$ and $< 20\%$ )                                                                               | 5 ( $\geq 20$ or $\leq 80\%$ )                                                                |
| Native shrub cover (%)                           | 5                                                        | 3%                                                          | 3 ( $\geq 0.3$ to $1.5\%$ or $> 6\%$ )                                                                    | 5 ( $\geq 1.5$ or $\leq 6\%$ )                                                                |
| Tree canopy height (m)                           | 5                                                        | 20 m                                                        | 3 ( $\geq 5$ to $14$ m)                                                                                   | 5 ( $\geq 14$ m)                                                                              |
| Native plant species richness for four lifeforms | Trees: 5<br>Shrubs: 5<br>Grasses: 5<br>Forb and other: 5 | Trees: 6<br>Shrubs: 3<br>Grasses: 6<br>Forbs and others: 15 | For each life form 2.5 equals: $\geq 25\%$ to $90\%$ of benchmark number of species within each life-form | For each lifeform 5 equals $\geq 90\%$ of benchmark number of species within each life-form.  |
| Ground cover – native perennial grass cover      | 5                                                        | 45%                                                         | 1 ( $\geq 4.5$ to $22.5\%$ )                                                                              | 3 ( $\geq 22.5$ to $40.5\%$ ).                                                                |
| Ground cover – organic litter                    | 5                                                        | 35%                                                         | 3 ( $\geq 3.5$ to $< 17.5\%$ or $70\%$ )                                                                  | 5 ( $\geq 17.5$ or $\leq 70\%$ )                                                              |
| Non-native plant cover (%)                       | 10                                                       | 0%                                                          | 3 ( $\geq 25$ – $50\%$ of vegetation cover are non-native plants)                                         | 5 ( $\geq 5$ – $25\%$ of vegetation cover are non-native plants)                              |
| <b>TOTAL site score</b>                          | <b>60</b>                                                |                                                             | <b>Score greater than 20</b>                                                                              | <b>Score greater than 40</b>                                                                  |

**Table 4 - Surface water quality limits**

| Quality Characteristic                                                                | Units    | Contaminant Limits (EA)     | Comment of Limit                                               |
|---------------------------------------------------------------------------------------|----------|-----------------------------|----------------------------------------------------------------|
| pH                                                                                    | pH units | 6.4-7.4                     | Site-specific                                                  |
| Electrical Conductivity                                                               | µS/cm    | 445                         | Site-specific                                                  |
| Suspended solids                                                                      | mg/L     | 6.4                         | Site-specific                                                  |
| Turbidity                                                                             | NTU      | 20                          | Site-specific                                                  |
| Sulphate (SO <sub>4</sub> <sup>2-</sup> )                                             | mg/L     | 21                          | 90 <sup>th</sup> percentile Mt Lawless monitoring site 136002D |
| Aluminium - Dissolved                                                                 | µg/L     | 55                          | ANZG 2018                                                      |
| Chromium - Dissolved                                                                  | µg/L     | 1                           | ANZG 2018                                                      |
| Copper - Dissolved                                                                    | µg/L     | 1.4                         | ANZG 2018                                                      |
| Manganese - Dissolved                                                                 | µg/L     | 1900                        | ANZG 2018                                                      |
| Nickel - Dissolved                                                                    | µg/L     | 11                          | ANZG 2018                                                      |
| Uranium - Dissolved                                                                   | µg/L     | 0.5                         | ANZG 2018                                                      |
| Vanadium - Dissolved                                                                  | µg/L     | 6                           | ANZG 2018                                                      |
| Zinc - Dissolved                                                                      | µg/L     | 8                           | ANZG 2018                                                      |
| Petroleum hydrocarbons (C6-C9)                                                        | µg/L     | 20                          |                                                                |
| Petroleum hydrocarbons (C10-C36)                                                      | µg/L     | 100                         |                                                                |
| Major ions<br>Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate | mg/L     | For interpretation purposes |                                                                |
| Hardness                                                                              | mg/L     | For interpretation purposes |                                                                |

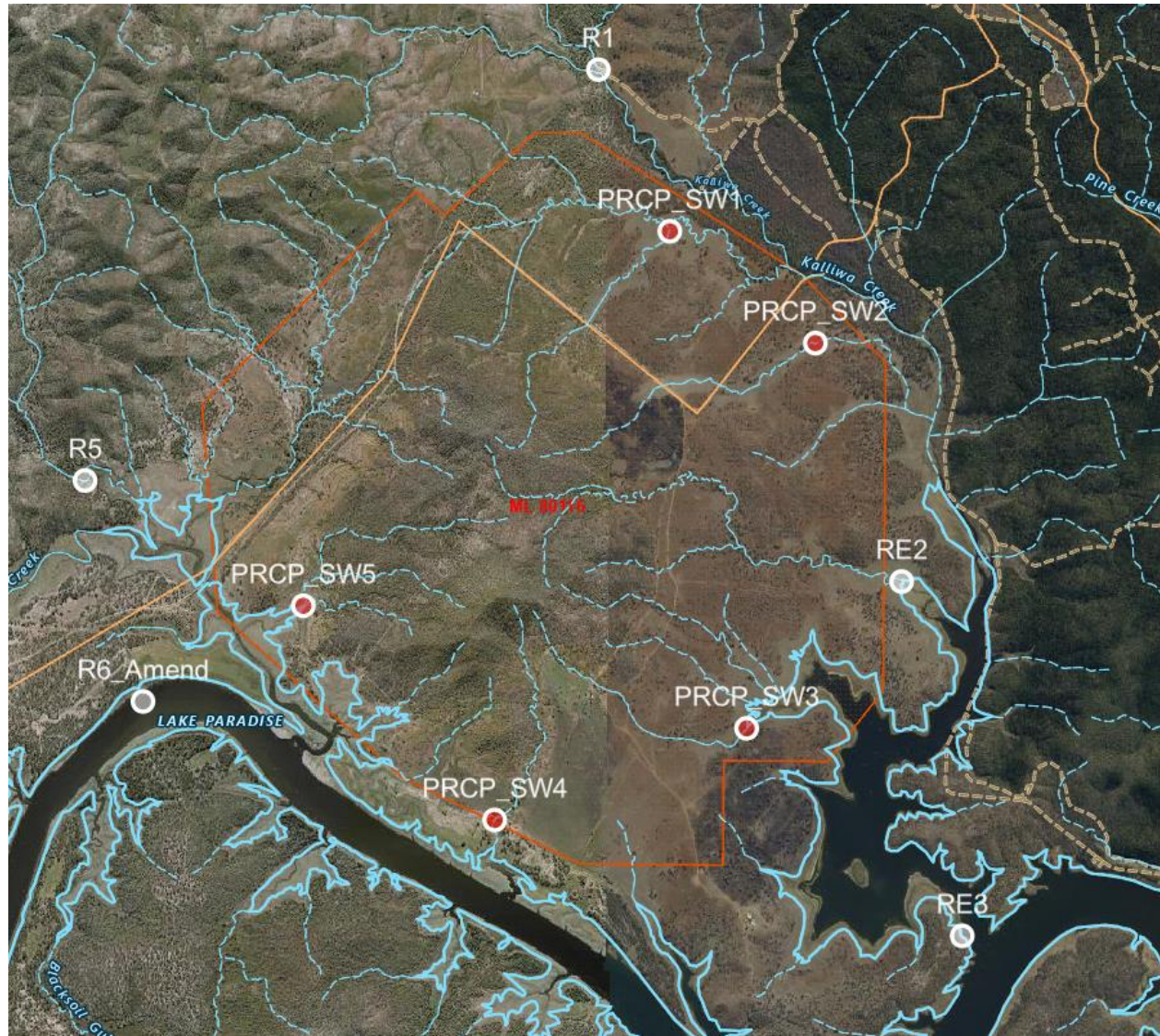
Notes:

- 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)

**Table 5 - Surface water monitoring locations**

| Monitoring Points                            | Receiving Waters Location Description                                                                            | Latitude (decimal degree, GDA2020) | Longitude (decimal degree, GDA2020) |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|
| <b>Upstream Background Monitoring Points</b> |                                                                                                                  |                                    |                                     |
| QIM-R1                                       | Located on Kalliw Creek upstream of the project area, prior to impoundment of Kalliw Creek by the Paradise Dam   | -25.291911                         | 151.842754                          |
| QIM-R5                                       | Located on Mingham Creek upstream of the project area, prior to impoundment of Mingham Creek by the Paradise Dam | -25.315378                         | 151.809699                          |
| QIM-R6_AMEND                                 | Located on Burnett River upstream of the project area, prior to impoundment of Burnett River by the Paradise Dam | -25.3282                           | 151.8141                            |
| <b>Downstream Monitoring Points</b>          |                                                                                                                  |                                    |                                     |
| QIM-RE2                                      | Located in the transition area between Kalliw Creek and the Paradise Dam                                         | -25.321423                         | 151.862098                          |
| QIM-RE3                                      | Located on Paradise Dam where the storage is relatively deep                                                     | -25.341563                         | 151.865722                          |
| PRCP_SW1                                     | Tributary of Kalliw Creek downstream of TSF                                                                      | -25.3011                           | 151.8476                            |
| PRCP_SW2                                     | Tributary of Kalliw Creek                                                                                        | -25.3076                           | 151.8569                            |
| PRCP_SW3                                     | Paradise Dam (ML East)                                                                                           | -25.3297                           | 151.8525                            |
| PRCP_SW4                                     | Paradise Dam (ML South)                                                                                          | -25.335                            | 151.8365                            |
| PRCP_SW5                                     | Paradise Dam (ML West)                                                                                           | -25.3227                           | 151.8243                            |

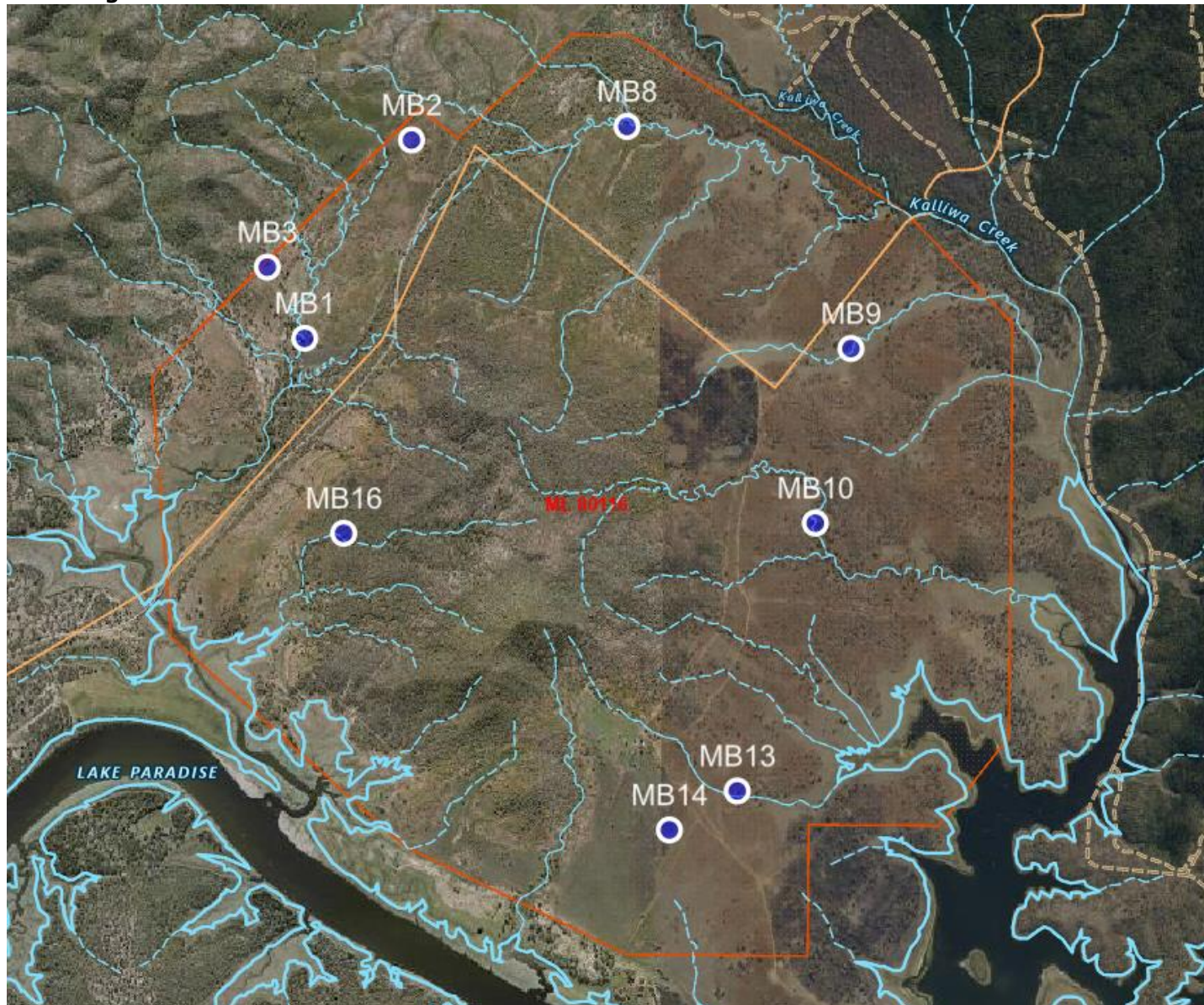
Figure 3. Surface water monitoring locations



**Table 6 - Groundwater monitoring locations**

| <b>Monitoring Point (Bore ID)</b> | <b>Hydrogeological unit</b> | <b>Latitude (GDA94, decimal degrees)</b> | <b>Longitude (GDA94, decimal degrees)</b> |
|-----------------------------------|-----------------------------|------------------------------------------|-------------------------------------------|
| MB1                               | Alluvium                    | -25.30937                                | 151.825577                                |
| MB2                               | Alluvium                    | -25.300285                               | 151.830941                                |
| MB3                               | Alluvium                    | -25.306109                               | 151.823657                                |
| MB8                               | Alluvium                    | -25.29962                                | 151.841893                                |
| MB9                               | Alluvium                    | -25.309832                               | 151.853183                                |
| MB10                              | Alluvium                    | -25.317825                               | 151.851401                                |
| MB13                              | Alluvium                    | -25.330062                               | 151.847442                                |
| MB14                              | Alluvium                    | -25.331867                               | 151.844042                                |
| MB16                              | Alluvium                    | -25.318271                               | 151.827529                                |

Figure 4. Groundwater monitoring locations



**Table 7 - Groundwater quality limits**

| Quality Characteristic                                                                | Units   | Limits                      | Comments      |
|---------------------------------------------------------------------------------------|---------|-----------------------------|---------------|
| pH                                                                                    | pH unit | 6.5 – 8.0                   | Site-specific |
| Electrical Conductivity                                                               | µS/cm   | 1,000                       | Site-specific |
| Sulphate                                                                              | mg/L    | 21                          | Site-specific |
| Aluminium - Dissolved                                                                 | µg/L    | 55                          | ANZG 2018     |
| Chromium - Dissolved                                                                  | µg/L    | 1                           | ANZG 2018     |
| Copper - Dissolved                                                                    | µg/L    | 1.4                         | ANZG 2018     |
| Manganese - Dissolved                                                                 | µg/L    | 1900                        | ANZG 2018     |
| Nickel - Dissolved                                                                    | µg/L    | 11                          | ANZG 2018     |
| Uranium - Dissolved                                                                   | µg/L    | 0.5                         | ANZG 2018     |
| Vanadium - Dissolved                                                                  | µg/L    | 6                           | ANZG 2018     |
| Zinc - Dissolved                                                                      | µg/L    | 8                           | ANZG 2018     |
| Petroleum hydrocarbons (C6-C9)                                                        | µg/L    | 20                          |               |
| Petroleum hydrocarbons (C10-C36)                                                      | µg/L    | 100                         |               |
| Major ions<br>Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate | mg/L    | For interpretation purposes |               |
| Hardness                                                                              | mg/L    | For interpretation purposes |               |
| Water level                                                                           | mAHD    | 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)

**END OF PRCP SCHEDULE**