

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_EPVL00864413_V1

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

PRCP schedule: PRCP_EPVL00864413_V1

PRCP schedule holder

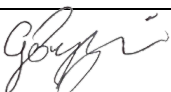
Name(s)	Registered address
Huntore Australia Pty Ltd ACN: 620 809 467	Lot 1, Veteran Road, Mount Garnet, QLD 4872

Location details

Location(s)
Mining lease (ML) 4349 and ML20547

Take effect

In accordance with section 202B of the *Environmental Protection Act 1994* (EP Act), the PRCP schedule has effect on the day the environmental authority for carrying out relevant activities on land to which the schedule relates takes effect. Pursuant to section 202C of the EP Act, a PRCP schedule continues in force until the environmental authority for the relevant activities to which the PRCP schedule relates is cancelled or surrendered, even if the resource tenure expires or is cancelled and even if the relevant environmental authority is suspended under Chapter 5, part 11 or 11A of the EP Act.



Signature

12/06/2025

Date

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

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Obligations under the *Environmental Protection Act 1994*

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

Pursuant to section 285 of the EP Act:

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

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

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

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A - Conditions of PRCP schedule
- Section B - Final site design and reference maps
- Section C - Post mining land uses

Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

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

General conditions

- PRCP1** All mining disturbance authorised under environmental authority (EA) EPVL00864413 must have an associated rehabilitation outcome provided in this PRCP Schedule.
- PRCP2** For each rehabilitation area the holder must achieve the rehabilitation milestone criteria (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 business days of the land becoming 'available for rehabilitation'. The written notification must include precise details of the relevant land area and the date when that land became 'available for rehabilitation'; and
 - (b) Unless otherwise agreed to by the administering authority in writing, within 90 business days of the land becoming 'available for rehabilitation', apply to the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition.
- Note: 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.
- PRCP4** Where an area achieves a rehabilitation milestone, the holder must continue to achieve the milestone criteria until a surrender for that area is approved.
- PRCP5** The holder must maintain a risk register that identifies the risks to not achieving a stable condition for the authorised post-mining land uses, and how the risks are being managed or minimised. The risk register must be reviewed annually, and include consideration of the outcomes of PRCP monitoring data.
- PRCP6** The holder must carry out monitoring of the rehabilitation activities in the rehabilitation areas in accordance with:
- (a) The monitoring and maintenance program described in the rehabilitation planning part for this PRCP schedule; and
 - (b) Any requirement under this schedule; and

- (c) As necessary to demonstrate achievement of each rehabilitation milestone criteria.

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

- PRCP7** The holder must make and keep up to date records on:
- (a) Achievement and maintenance of achievement of each rehabilitation milestone criteria of this schedule;
 - (b) Rehabilitation activities and the results of those activities (including but not limited to: actions taken, date, location, methods, data collected, Quality assurance and quality control (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 their community consultation register relating to rehabilitation and closure activities.
- PRCP8** Records made under PRCP7 must be kept until the relevant environmental authority has been surrendered or cancelled.
- PRCP9** Records made under PRCP7 must be provided to the administering authority in the specified format within 10 business days of a written request.
- PRCP10** Within 12 months of the final PRCP schedule PRCP_EPVL00864413_V1 being issued, the holder must provide to the administering authority an AQP certified final landform design/s and a corresponding landform design report for the site.
- PRCP11** The landform design report required by **PRCP10** must include all the information requirements of the Landform design section of the latest version of the “*Guideline Progressive rehabilitation and closure plans (PRC plans) (ESR/2019/496)*”. At the time of this approval, the Landform design section was section 3.6.1 of the Guideline.
- PRCP12** The landform design report required by **PRCP10** must demonstrate that the final landform design will support the achievement of a stable condition and must include, but not limited to:
- (a) Erosion assessments to assess the suitability of landform geometry, and material placement, including interactions between soil erodibility, rainfall erosivity, landform height, gradient and vegetation cover with reference to the post-mining land use (PMLU); and
 - (b) A reconciliation of the landform designs with the authorised disturbance and milestone criteria and explanation of how the landform designs will achieve the approved PRCP

PMLU's and milestones.

- PRCP13** If the reconciliation under PRCP12 identifies any conflict or discrepancies with respect to the environmental authority or PRCP Schedule, the holder must use and continue to use best endeavours to resolve such conflict and/or discrepancies.
- PRCP14** All AQP designs, specifications, certifications, assessments and any similar documents developed in accordance with good professional practice must include documented consideration of any relevant guideline or publication material, including material published by the administering authority. The AQP designs, specifications, certifications, assessments and any similar documents must detail the boundary conditions utilised.
- PRCP15** Where the surface water quality at the downstream site exceeds the upstream site result as per RM7, an AQP must complete an assessment of the cause of the exceedance and risk of rehabilitation not achieving a stable condition within the schedule timeframe and:
- (a) Where there is a low risk to achieving a stable condition from the mining tenure, then no further action is to be taken; or
 - (b) Where there is a risk greater than low to achieve a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented.
- PRCP16** The assessment/s under PRCP15 must be completed and provided to the administering authority within three (3) months of receiving the relevant sampling results.
- PRCP17** PRCP15(a) can be triggered 3 times over 5 consecutive years prior to surrender.
- PRCP18** If PRCP15(b) is triggered, the 5 year timeframe under RM7 is reset.

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 (s31 Environmental Protection Regulation 2019)	includes that part, if any, of an activity relating to the following— (a) preparing a place for the activity before carrying out the activity; (b) rehabilitating a place after it has been used for carrying out the activity.
BioCondition	refers to the <i>BioCondition Assessment Manual</i> (Eyre, T.J., Kelly, A.L, Neldner, V.J., Wilson, B.A., Ferguson, D.J., Laidlaw, M.J. and Franks, A.J. (2015)) and <i>BioCondition: A Condition Assessment Framework for Terrestrial Biodiversity in Queensland. Assessment Manual. Version 2.2</i> (Queensland Herbarium, Department of Science, Information Technology, Innovation and Arts, Brisbane).
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.
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
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.
Independent third-party AQP peer review	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 ₂ SO ₄ /tonne or a Net Acid Generation oxidation pH of less than 4.5 (pH unit).
Probable Maximum Flood (PMF)	refer to definition provided in Australian Rainfall and Runoff (ARR) Guideline 2019 Book 8, chapter 6, 6.4.1 Design Context
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Stable	in relation to land, means landform dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of environmental context, geotechnical stability,

	settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation. Land is in a stable condition if: (a) the land is safe and structurally stable, and (b) there is no environmental harm being caused by anything on or in the land, and (c) the land can sustain a PMLU.
Stabilised	means one or both of the following conditions apply: no evidence of sediment movement; sides and/or floors of erosion form are revegetated (Australian Soil and Land Survey Field Handbook Third Edition).
Stable condition	as defined by section 111A of the <i>Environmental Protection Act 1994</i> .
Suitably qualified and experienced person (SQP)	for performing a regulatory function under chapter 7, part 8 (Contaminated Land) of the EP Act or another function prescribed under a regulation, means a person who— (a) has qualifications and experience relevant to performing the function; and (b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.
Vegetative groundcover	is the living and attached plant material that comprise the ground cover components (shrubs, grasses, forbs). It does not include trees, organic litter, or coarse woody debris.

END OF CONDITIONS

Section B - Final site design and reference maps

Figure 1. Reference map

Figure 2. Final landform design, noting requirement to update this map per condition PRCP10.

Figure 3. Surface water monitoring locations

Figure 4. Groundwater monitoring locations

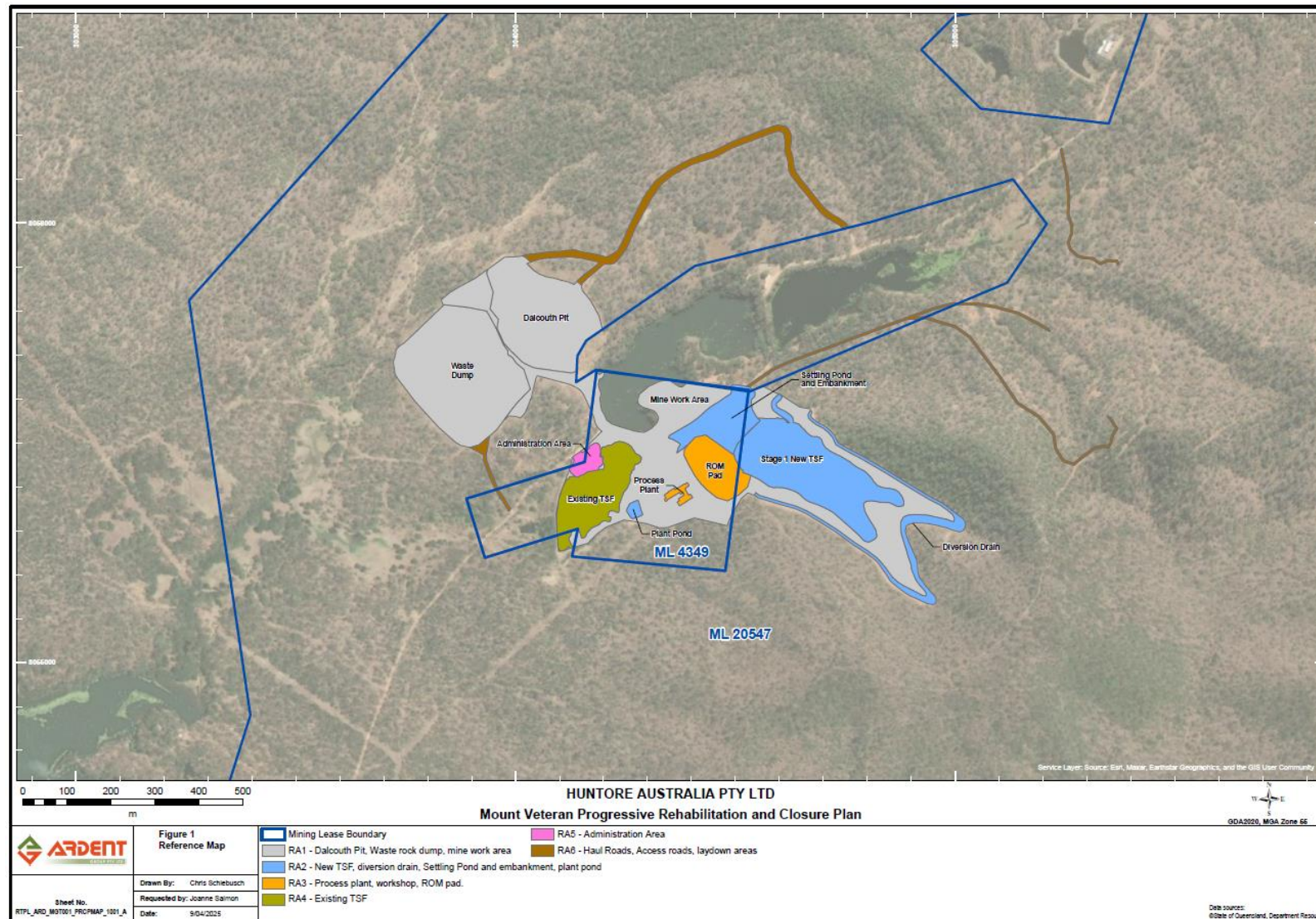
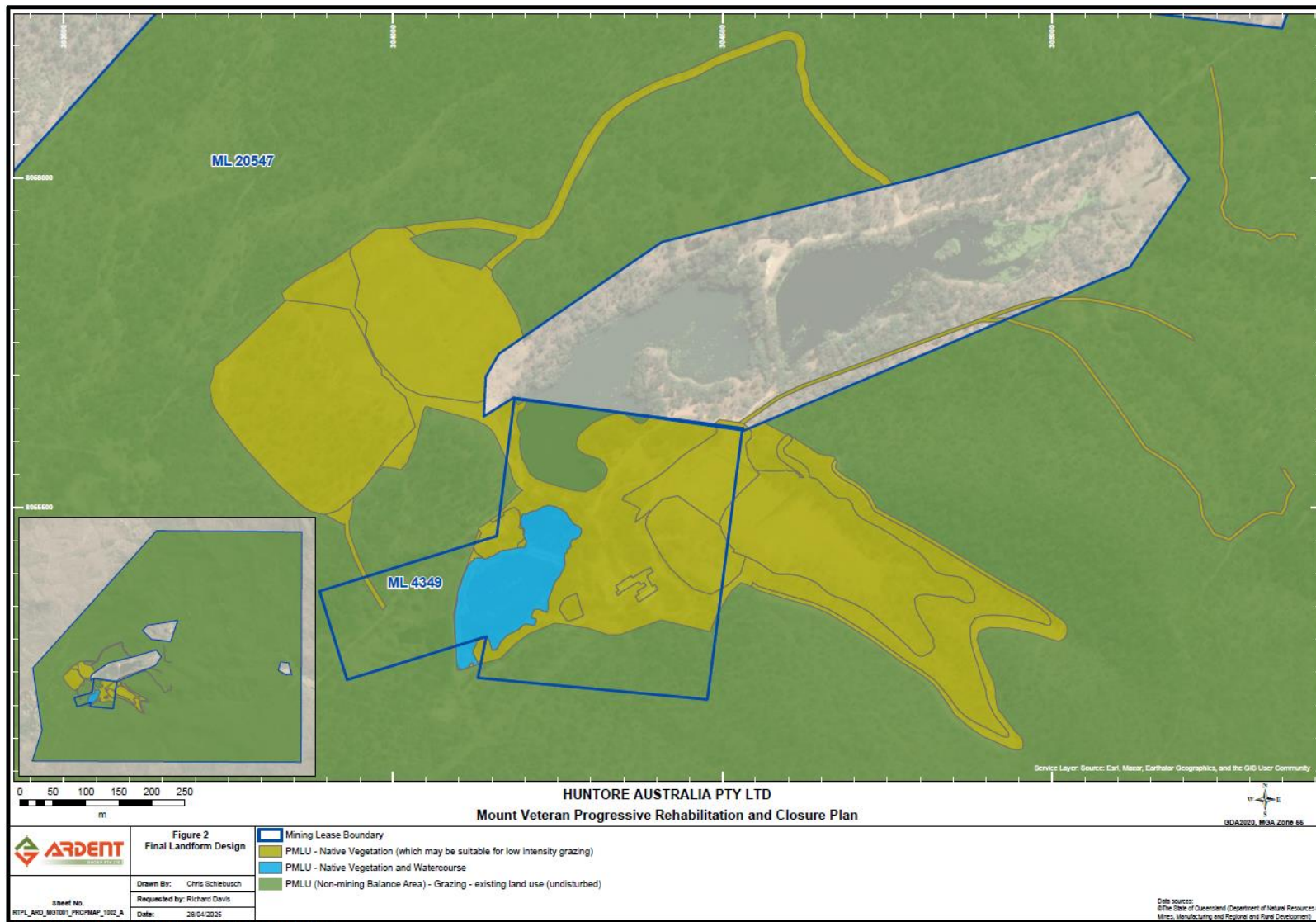


Figure 1. Reference map



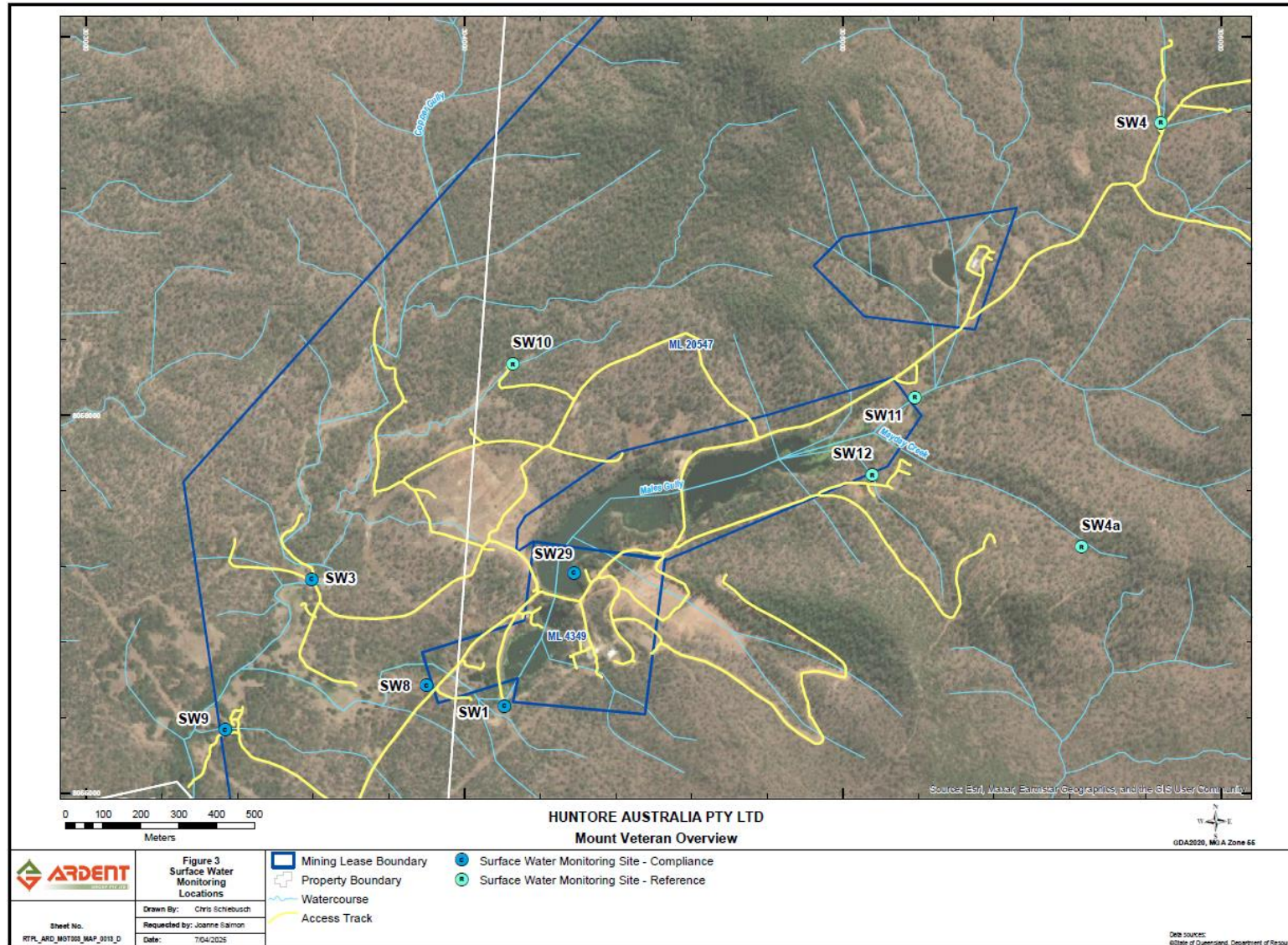


Figure 3. Surface water monitoring locations

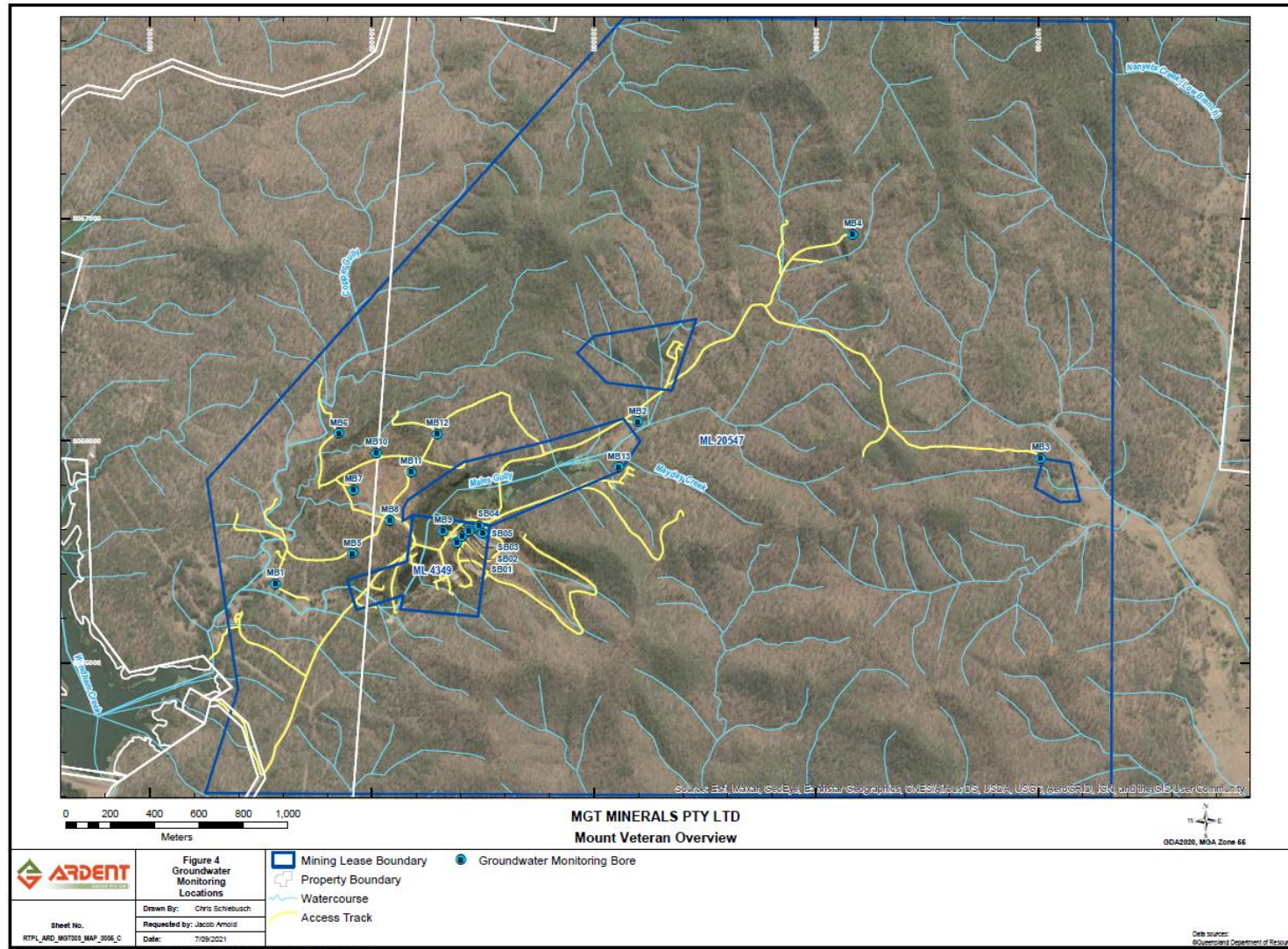


Figure 4. Groundwater monitoring locations

Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)				
Rehabilitation area	RA1			
Relevant activities	Dalcouth Pit, waste rock dump (WRD), mine work area and transport infrastructure area			
Total rehabilitation area size (ha)	21.93			
Commencement of first milestone: RM1	1/02/2031			
PMLU	Native vegetation (which may be suitable for low intensity grazing)			
Date area is available	1/02/2031	10/12/2033	10/12/2034	10/12/2039
Cumulative area available (ha)	21.93	21.93	21.93	21.93
Milestone completed by	10/12/2033	10/12/2034	10/12/2039	10/12/2049
Milestone Reference	Cumulative area achieved (ha)			
RM1	21.93			
RM2	21.93			
RM3	21.93			
RM4	21.93			
RM5		21.93		
RM6			21.93	
RM7				21.93

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)				
Rehabilitation area	RA2			
Relevant activities	New Tailings Storage Facility (TSF), inclusive of wall, spillway and Diversion Drain; Settling pond and embankment and Plant pond			
Total rehabilitation area size (ha)	7.42			
Commencement of first milestone: RM1	1/02/2032			
PMLU	Native vegetation (which may be suitable for low intensity grazing)			
Date area is available	1/02/2032	10/12/2034	10/12/2035	10/12/2040
Cumulative area available (ha)	7.42	7.42	7.42	7.42
Milestone completed by	10/12/2034	10/12/2035	10/12/2040	10/12/2050
Milestone Reference	Cumulative area achieved (ha)			
RM1	7.42			
RM2	7.42			
RM3	7.42			
RM4	7.42			
RM5		7.42		
RM6			7.42	
RM7				7.42

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)				
Rehabilitation area	RA3			
Relevant activities	Process Plant, Workshop, Run Of Mine (ROM) Pad			
Total rehabilitation area size (ha)	1.46			
Commencement of first milestone: RM1	1/02/2032			
PMLU	Native vegetation (which may be suitable for low intensity grazing)			
Date area is available	1/02/2032	10/12/2034	10/12/35	10/12/2040
Cumulative area available (ha)	1.46	1.46	1.46	1.46
Milestone completed by	10/12/2034	10/12/35	10/12/2040	10/12/2050
Milestone Reference	Cumulative area achieved (ha)			
RM1	1.46			
RM2	1.46			
RM3	1.46			
RM4	1.46			
RM5		1.46		
RM6			1.46	
RM7				1.46

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)				
Rehabilitation area	RA4			
Relevant activities	Existing TSF			
Total rehabilitation area size (ha)	2.33			
Commencement of first milestone: RM1	1/02/2032			
PMLU	Native vegetation and watercourse			
Date area is available	1/02/2032	10/12/2034	10/12/2035	10/12/2040
Cumulative area available (ha)	2.33	2.33	2.33	2.33
Milestone completed by	10/12/2034	10/12/2035	10/12/2040	10/12/2050
Milestone Reference	Cumulative area achieved (ha)			
RM1	2.33			
RM2	2.33			
RM3	2.33			
RM4	2.33			
RM5		2.33		
RM6			2.33	
RM7				2.33

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)				
Rehabilitation area	RA5			
Relevant activities	Administration Area			
Total rehabilitation area size (ha)	0.36			
Commencement of first milestone: RM1	1/02/2039			
PMLU	Native vegetation (which may be suitable for low intensity grazing)			
Date area is available	1/02/2039	10/12/2041	10/12/2042	10/12/2047
Cumulative area available (ha)	0.36	0.36	0.36	0.36
Milestone completed by	10/12/2041	10/12/2042	10/12/2047	10/12/2057
Milestone Reference	Cumulative area achieved (ha)			
RM1	0.36			
RM2	0.36			
RM3	0.36			
RM4	0.36			
RM5		0.36		
RM6			0.36	
RM7				0.36

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)				
Rehabilitation area	RA6			
Relevant activities	Haul Roads, Access Roads, Laydown			
Total rehabilitation area size (ha)	2.59			
Commencement of first milestone: RM1	1/02/2032			
PMLU	Native vegetation (which may be suitable for low intensity grazing)			
Date area is available	1/02/2032	10/12/2034	10/12/2035	10/12/2040
Cumulative area available (ha)	2.59	2.59	2.59	2.59
Milestone completed by	10/12/2034	10/12/2035	10/12/2040	10/12/2050
Milestone Reference	Cumulative area achieved (ha)			
RM1	2.59			
RM2	2.59			
RM3	2.59			
RM4	2.59			
RM5		2.59		
RM6			2.59	
RM7				2.59

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure Decommissioning and Removal	- The following are completed: - All services, e.g. water, electricity, gas, are disconnected, terminated and removed; - All pipelines are drained and removed offsite; - All buildings and associated infrastructure are demolished and removed offsite; - All hardstand, concrete areas and roads (concrete, bitumen, gravel, blue metal, aggregate, etc.) removed offsite; - All fencing removed offsite, where not to be retained as part of the PMLU; - All machinery and equipment removed offsite; - All surface water drainage infrastructure removed; - All waste removed; - All drillholes, bores, sediment ponds and sumps decommissioned; and - All ponds dewatered and desilted.
RM2	Remediation of Contaminated Land	- A contaminated land investigation document completed in accordance with the <i>Environmental Protection Act 1994</i>, including a site investigation report, and, where required, a Validation Report and/or a draft Site Management Plan. - Contaminated land assessment indicates that no contamination unsuitable for the PMLU remains or is occurring. - Land is removed from the Contaminated Land Register and/or the Environmental Management Register, unless otherwise agreed to by the administering authority.
RM3	Landform Development and reshaping / reprofiling	- The landform design report, per PRCP10, that achieves a stable condition developed and certified by an AQP. - Landform design report endorsed via an independent third-party AQP peer review. - AQP certifies that constructed, reshaped and modified landforms are consistent with the landform design report and are safe, structurally stable (inclusive of erosional stability) and non-polluting. - All earthworks completed to landform design report specifications.

Milestone reference	Rehabilitation milestone	Milestone criteria
		5. AQP certifies that erosion and sediment control systems are installed and functioning as per design specifications. 6. AQP certifies that drainage structures are installed and functioning as per design intent. <u>Dalcouth Pit (RA1) in addition to milestone criteria 1 -6 above:</u> 7. Dalcouth Pit backfilled with non-acid forming waste rock to achieve an average slope angle of 12% and contours consistent with pre-mining surface topography. 8. Dalcouth Pit side batters constructed to 5% slopes. <u>Waste rock dump (WRD) (RA1) in addition to milestone criteria 1 -6 above:</u> 9. Upper surface of waste rock dump is water shedding with a slope of 1%. 10. Side batters constructed to 5% slopes. 11. All potentially acid forming (PAF) material is located within an AQP designed and engineered cell, fully encapsulated in compacted non-acid forming material. 12. The minimum depth from the final landform surface to compacted PAF material is 6m. 13. WRD cover installed that minimises erosion and rainfall infiltration to the extent practicable over the long term. 14. Infiltration does not exceed 5% of annual rainfall. <u>Existing TSF (RA4) in addition to milestone criteria 1 -6 above:</u> 15. AQP confirms that tailings material and any associated residual contamination have been removed. 16. TSF embankment removed. 17. AQP certifies that the land surface has been re-established to approximate pre-

Milestone reference	Rehabilitation milestone	Milestone criteria
		disturbance contours in the valley area as per landform design report. <u>New TSF (RA2) in addition to milestone criteria 1 -6 above:</u> 18. AQP certifies that TSF cover design and landform is consistent with landform design report. 19. Closure spillway installed to safely convey a Probable Maximum Flood (PMF). 20. The measured in-situ drainage rates from the cover system into the new TSF are $<1 \times 10^{-8}$ m/s and certified by an AQP as being appropriate to prevent environmental harm over the long term.
RM4	Surface Preparation	1. An assessment of the need for soil amelioration completed and documented by an AQP to confirm soil is suitable for target vegetation establishment. 2. Any fertilisers/ameliorants, including gypsum and/or organic matter, recommended as a result of the soil assessment required by milestone criteria RM4. 1, have been applied at the rate recommended by an AQP. 3. Unless otherwise prescribed in the landform design report: a) Ripping of subsoil to a minimum depth of 300mm; b) Placement of 150mm topsoil; c) Shallow rip of topsoil on contour, to avoid mixing topsoil with subsoil; d) Topsoil shallow ripped on contour to provide a suitable seedbed to maximise seed germination and minimise erosion potential; e) Assessment of need for soil amelioration after each layer has been placed on WRD and TSF conducted by and documented by AQP; and f) For all other areas, assessment of need for soil amelioration after each stage. 4. Following placement, growth media meets the following suitability targets: a) pH (1:5 soil:water) of 5.75 – 8.5; b) Electrical conductivity (1:5 soil:water) of ≤ 1.5 dS/m (or 1,500 μS/cm); c) Exchangeable sodium percentage (ESP) < 6 %; d) Emmerson class 4, 6, 7 or 8 to confirm the materials are non-dispersive;

Milestone reference	Rehabilitation milestone	Milestone criteria
		e) Particle size distribution of P90=<50mm; P75=<2mm and P25 <0.025mm; and f) Plant available water capacity of >100mm per 1 m depth of soil. 5. Independent AQP certifies achievement of RM4 milestone criteria 1 – 4.
RM5	Revegetation	1. Revegetation Plan certified by AQP and relevant monitoring sites established. 2. Seeding has been completed with recommended seeding mix shown at Table 3 - Revegetation Species List at a rate certified by an AQP or 1-2kg/ha for canopy species and 7-9kg/ha for grass/shrub species. 3. Timing of seeding aligned with wet weather to coincide with elevated levels of soil moisture. 4. Stock exclusion fencing installed around all areas that have been seeded. 5. Independent AQP certifies achievement of RM5 milestone criteria 1 – 4.
RM6	Achievement of Surface Requirements	1. Measured indices at rehabilitated sites within a 50x5m plot and at representative locations, as identified by an AQP: - At least three of the tree and shrub species, and three of the ground cover species listed in Table 3 - Revegetation Species List are present; ≥70% of target species have germinated; and - No bare areas greater than 25m² are present. 2. AQP certifies that: - There is no moderate or severe sheet or rill erosion present as per Table 1 - Erosion classification framework; - Mass movement and tunnel erosion are absent; and - No gully erosion present on the Waste Rock Dump (RA1) or the New TSF (RA2). 3. AQP certifies that any and all gully erosion: - Are isolated, linear, discontinuous and restricted to primary or minor drainage lines; - Does not exceed 1 m in depth at any point; - Does not expose environmentally problematic materials; - The cause of the gully is known and has been resolved; - Have established and persistent vegetation cover at the head of the gullies; - Are in a stabilised state, demonstrated by monitoring data over a 5 year period;

Milestone reference	Rehabilitation milestone	Milestone criteria
		g) Does not provide a safety hazard within the context of the PMLU; and h) Does not impact the stability or performance of engineered drainage features. 4. Rehabilitated areas meets the following: a) Total vegetative groundcover $\geq 50\%$; b) Total groundcover (combination of vegetative cover, other organic material (i.e. sticks, leaf litter) and inorganic material (i.e. rocks)) $\geq 70\%$; c) A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual'; d) The BioCondition assessment complies with the total score per Table 2 - BioCondition Benchmark for Regional Ecosystem 9.11.10. 5. Corrective actions arising from the routine inspections program have been undertaken. 6. For the new TSF (RA2), AQP certifies that: a) Measured in-situ drainage flux demonstrated by field monitoring to be less than 5% of annual rainfall; b) Installed instrument data supports that the cover system is functioning in a manner that will achieve a stable condition; and c) The cover design is represented by a modelling approach that is validated by in-situ soil water balance field monitoring. 7. Surface water runoff is non-polluting to receiving waters and complies with Table 5 - Surface water quality limits. 8. Independent AQP certifies achievement of RM6 milestone criteria 1 – 7.
RM7	Achievement of PMLU to Stable Condition	1. Measured indices at rehabilitated sites within a 50x5m plot and at representative locations, as identified by an AQP indicate: a) No bare areas greater than 25m² are present. 2. Erosion assessment of final landform completed by AQP and certifies: a) No Moderate and Severe sheet or rill erosion as per Table 1 - Erosion classification framework; b) Mass movement and tunnel erosion are absent; and c) No gully erosion present on the Waste Rock Dump (RA1) or New TSF (RA2).

Milestone reference	Rehabilitation milestone	Milestone criteria
		3. Sediment and erosion control structures removed as certified by AQP and rehabilitated consistent with the PMLU. 4. Stock exclusion fencing removed from around revegetation areas. 5. Surface water quality monitored monthly during flow at, but not limited to, downstream locations specified in Table 4 - Surface water monitoring locations must not exceed the limits in Table 5 - Surface water quality limits, for a minimum of 5 consecutive years. 6. For a minimum of 5 consecutive years groundwater must be monitored quarterly at, but not limited to, compliance bores specified in Table 6 - Groundwater monitoring locations, for all quality characteristics listed in Table 7 - Groundwater quality limits. 8. Groundwater quality results must not exceed the limits in Table 7 - Groundwater quality limits, for three consecutive results. 9. Groundwater level is monitored quarterly and all results comply with the Level Thresholds outlined in Table 6 - Groundwater monitoring locations, for a minimum of 10 consecutive years. 10. Sediment monitoring undertaken twice yearly at downstream monitoring sites (at end of wet season and end of dry season) complies with ANZECC/ARMCANZ (2000) Interim Sediment Quality Guidelines – low for a minimum of 5 consecutive years. 11. Rehabilitated areas meets the following: a) A BioCondition assessment is completed by an AQP using the methodology outlined in the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual'. b) The BioCondition assessment complies with the total score for the PMLU, as per Table 2: BioCondition Benchmark for Regional Ecosystem 9.11.10 12. AQP certifies that any and all gully erosion: a) Are isolated, linear, discontinuous and restricted to primary or minor drainage lines; b) Does not exceed 1 m in depth at any point; c) Does not expose or risk exposing environmentally problematic materials; d) The cause of the gully is known and has been resolved; e) Have established and persistent vegetation cover at the head of the gullies; f) Are in a stabilised state, demonstrated by monitoring data over a 5 year period;

Milestone reference	Rehabilitation milestone	Milestone criteria
		g) Does not provide a safety hazard within the context of the PMLU; and h) Does not impact the stability or performance of engineered drainage features 13. Total ground cover (combination of vegetative cover, other organic material (i.e. sticks, leaf litter) and inorganic material (i.e. rocks)) $\geq 70\%$ for erosional stability. 14. Independent AQP certifies achievement of RM7 milestone criteria 1 – 13.

Tables:**Table 1 - Erosion classification framework**

Erosion classification	Minor	Moderate	Severe
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope.	Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope.
Rill erosion	<15 rills/transect* and <0.3m deep	15-30 rills per transect* and <0.3m deep	>30 rills per transect* and/or any >0.3m deep.
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

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

*Transect 50 m across the contour; source: Tongway, D. J. and Hindley, N. L. 2005. *Landscape Function Analysis: Procedures for Monitoring and Assessing Landscapes*. CSIRO Publishing, Canberra, Australia.

Table 2 - BioCondition Benchmark for Regional Ecosystem 9.11.10

Attribute	Weighting (%)	Benchmark values for Regional Ecosystem 9.11.10	BioCondition Score - Revegetation 7 years after seeding	BioCondition Score - Achieving of stable condition – trajectory to achievement after 15 years
Recruitment of dominant canopy ¹ species (%)	5	100%	3 (≥ 20 – 75% of dominant canopy ¹ species present as regeneration).	5 ($\geq 75\%$ of dominant canopy ¹ species present as regeneration).
Tree canopy ¹ cover (%)	5	39%	2 (≥ 3.9 and $< 19.5\%$)	5 (≥ 19.5 or $\leq 78\%$) ²
Native shrub cover (%)	5	5%	3 (≥ 0.5 to 2.5% or $> 10\%$)	5 (≥ 2.5 or $\leq 10\%$)
Tree canopy height (m)	5	19 m	3 (≥ 4.75 to 13 m)	5 (≥ 13 m)
Native plant species ³ richness for four lifeforms	Trees: 5 Shrubs: 5 Grasses: 5 Forb and other: 5	Trees: 5 Shrubs: 8 Grasses: 5 Forbs and others: 19	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
Native perennial grass cover	5	26%	1 (≥ 2.6 to 13%)	3 (≥ 13 to 23.4%)
Ground cover – organic litter	5	43%	3 (≥ 4.3 to $< 21.5\%$ or 86%)	5 (≥ 21.5 or $\leq 86\%$)
Non-native plant cover (%)	10	0%	3 (≥ 25 – 50% of vegetation cover are non-native plants)	5 (≥ 5 – 25% of vegetation cover are non-native plants) ⁴
TOTAL site score	60		Score greater than 20	Score greater than 40

¹Canopy species are those species listed in the Regional Ecosystem (RE) benchmark in the ecologically dominant layer (EDL), emergent and subcanopy layers or as identified in the RE description (REDD database) that make up the dominant proportion of the EDL, emergent and subcanopy layers (but does not include those listed as occurring as scattered individuals).

². If tree canopy covers exceeds 78% the score = 3

³ Species composition based on Table 3. Revegetation Species List.

⁴ If $< 5\%$ of vegetation cover are non-native plants, the score is 10.

Table 3 - Revegetation Species List

Scientific Name	Common Name
Tree	
<i>Corymbia citriodora</i> subsp. <i>citriodora</i>	Lemon-scented gum
<i>Corymbia clarksoniana</i>	Clarkson's bloodwood
<i>Corymbia dallachiana</i>	Dallachy's gum
<i>Eucalyptus cloeziana</i>	Gympie messmate
<i>Eucalyptus crebra</i>	Narrow-leaf ironbark
<i>Eucalyptus portuensis</i>	Mahogany
<i>Eucalyptus atrata</i>	Herberton Ironbark
<i>Eucalyptus cullenii</i>	Cullens Ironbark
<i>Ficus opposita</i>	Sandpaper fig
<i>Maytenus cunninghamii</i>	Yellowberry bush
<i>Callitris intratropica</i>	Northern Cypress Pine
<i>Corymbia erythrophloia</i>	Red bloodwood
<i>Corymbia rhodop</i>	Red-throated bloodwood
<i>Corymbia trachyphloia</i>	Brown bloodwood
Shrub	
<i>Acacia calyculata</i>	-
<i>Acacia decora</i>	Showy wattle
<i>Acacia holosericea</i>	-
<i>Acacia simsii</i>	Sim's wattle
<i>Acacia disparrima</i>	Hickory wattle
<i>Acacia purpureopetala</i>	Purple flowered wattle
<i>Acacia whitei</i>	-
<i>Allocasuarina inophloia</i>	Stringybark she-oak
<i>Coelospermum reticulatum</i>	

<i>Cycas platyphylla</i>	-
<i>Denhamia cunninghamii</i>	-
<i>Grevillea dryandri</i>	Dryander's grevillea
<i>Grevillea glauca</i>	Bushman's clothes peg
<i>Grevillea glossadenia</i>	-
<i>Grevillea parallela</i>	Silver oak
<i>Goodenia stirlingii</i>	-
<i>Persoonia falcata</i>	Wild pear
<i>Xanthorrhoea johnsonii</i>	Grass-tree
Forb	
<i>Dianella nervosa</i>	Flax lily
<i>Lomandra filiformis</i>	Wattle mat-rush
<i>Lomandra multiflora</i>	Many-flowered mat-rush
<i>Crotalaria montana</i>	-
<i>Flemingia parviflora</i>	Flemingia
<i>Galactia tenuiflora</i>	Slender-flowered milkpea
Grass	
<i>Themenda triandra</i>	Kangaroo Grass
<i>Alleteropsis semialata</i>	Cockatoo Grass
<i>Arundinella nepalensis</i>	Reedgrass
<i>Heteropogon contortus</i>	Black Spear Grass
<i>Heteropogon triticeus</i>	Giant Spear Grass
<i>Lepidosperma laterale</i>	Variable swordspike
<i>Mnesithea rottboellioides</i>	-

Table 4- Surface water monitoring locations

Monitoring location	Receiving waters location description	Location	
		Easting (GDA94 – Zone 55)	Northing (GDA94 – Zone 55)
Reference sites			
SW10	Upstream Copper Creek	304127	8056133
SW4	Upstream Males Gully	305840	8056772
SW4a	Upstream Mayday Creek	305630	8055650
SW11	Upstream Males Gully	305190	8056045
SW12	Un named watercourse	305077	8055840
Compliance sites			
SW3	Copper Creek	303595	8055564
SW1	Spillway of the existing tailings storage facility (TSF)	304105	8055230
SW8	Compliance point in Males Creek downstream of the existing TSF	303898	8055283
SW9	Boundary compliance point in Males Gully	303366	8055166
SW29	Clean Water Dam 2	304288	8055582

Table 5 - Surface water quality limits

Quality characteristic (units)	Limit	Comment on limit
pH	6.0-8.0	Site-specific
Electrical Conductivity ($\mu\text{S}/\text{cm}$)	106	Water Quality Objective
Turbidity (NTU)	5	Water Quality Objective
Sulphate (mg/L)	2	Water Quality Objective
Fluoride (mg/L)	0.5	Site-specific
Aluminium - dissolved ($\mu\text{g}/\text{L}$)	55	ANZG 2018
Arsenic - dissolved ($\mu\text{g}/\text{L}$)	13	ANZG 2018
Cadmium - dissolved ($\mu\text{g}/\text{L}$)	1	Site-specific
Cobalt - dissolved ($\mu\text{g}/\text{L}$)	4	Site-specific
Chromium - dissolved ($\mu\text{g}/\text{L}$)	1	ANZG 2018
Copper - dissolved ($\mu\text{g}/\text{L}$)	190	Site-specific
Lead - dissolved ($\mu\text{g}/\text{L}$)	5	Site-specific
Manganese - dissolved ($\mu\text{g}/\text{L}$)	60	Site-specific
Mercury - dissolved ($\mu\text{g}/\text{L}$)	0.06	ANZG 2018
Nickel - dissolved ($\mu\text{g}/\text{L}$)	11	ANZG 2018
Selenium - dissolved ($\mu\text{g}/\text{L}$)	5	ANZG 2018
Silver - dissolved ($\mu\text{g}/\text{L}$)	0.05	ANZG 2018
Zinc - dissolved ($\mu\text{g}/\text{L}$)	20	Site-specific
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes only	
Hardness (mg/L)	For interpretation purposes only	

Notes:

- All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).
- Limits for metals and metalloids apply to dissolved results.
- ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection).
- Herbert River Basin Environmental Values and Water Quality Objectives (October 2020).

Table 6 - Groundwater monitoring locations

Monitoring Bore	Co-ordinate (MGA94 Zone 55)		Surface RL (m) ¹	Screened interval RL (m)
	Easting	Northing		
Monitoring bores				
MB1	303565	8055354	707	16 - 22
MB2	305195	8056085	742	16 – 22
MB3	307009	8055921	762	25 – 31
MB4	306163	8056927	777	40 - 52
MB5	303911	8055490	729	35 - 48
MB6	303850	8056032	727	13 - 19
MB7	303916	8055778	726	18 - 40
MB8	304080	8055641	740	30 - 42
MB9	304319	8055592	731	5 - 7
MB10	304019	8055944	733	23 - 47
MB11	304176	8055858	756	36 - 48
MB12	304292	8056030	749	31 - 42
MB13	305110	8055880	752	25 - 35
Shallow Groundwater bores				
SB01	304384	8055540	735	4 - 10
SB02	304408	8055568	734	3 - 6
SB03	304424	8055595	731	4 - 7
SB04	304483	8055609	734	1.5 - 5
SB05	304503	8055586	738	2 - 6

Table 7 - Groundwater quality limits

Quality characteristic (units)	Monitoring Bore	Limit	Comment on limit
pH (pH units)	All bores	6.5-8.0	Site-specific
Electrical Conductivity (µS/cm)	MB1, MB3, MB4, MB5, MB8, MB13	860	Site-specific
Electrical Conductivity (µS/cm)	MB9	450	Site-specific
Electrical Conductivity (µS/cm)	MB10, MB11, MB12, MB2, MB6, MB7	1,200	Site-specific
Sulphate (mg/L)	MB1, MB3, MB4, MB5, MB8, MB13	9	Site-specific
Sulphate (mg/L)	MB9	2	Site-specific
Sulphate (mg/L)	MB2	12	Site-specific
Sulphate (mg/L)	MB11	20	Site-specific
Sulphate (mg/L)	MB7	25	Site-specific
Sulphate (mg/L)	MB10, MB12, MB6	35	Site-specific
Fluoride (mg/L)	All bores	4	Site-specific
Aluminium - dissolved (µg/L)	All bores	55	ANZG 2018
Arsenic - dissolved (µg/L)	All bores except MB4	13	ANZG 2018
Arsenic - dissolved (µg/L)	MB4	40	Site-specific
Cadmium - dissolved (µg/L)	All bores	0.5	Site-specific
Cobalt - dissolved (µg/L)	All bores except MB3 and MB10	1.4	ANZG 2018
Cobalt - dissolved (µg/L)	MB3	4	Site-specific
Cobalt - dissolved (µg/L)	MB10	8	Site-specific
Chromium - dissolved (µg/L)	All bores	1	ANZG 2018
Copper - dissolved (µg/L)	All bores	3	Site-specific
Lead – dissolved (µg/L)	All bores	3.4	ANZG 2018
Manganese – dissolved (µg/L)	All bores	1,000	Site-specific
Mercury - dissolved (µg/L)	All bores	0.06	ANZG 2018
Nickel - dissolved (µg/L)	All bores	11	ANZG 2018
Selenium - dissolved (µg/L)	All bores	5	ANZG 2018
Silver - dissolved (µg/L)	All bores	0.05	ANZG 2018

Quality characteristic (units)	Monitoring Bore	Limit	Comment on limit
Zinc - dissolved (µg/L)	All bores	30	Site-specific
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	All bores	For interpretation purposes only	
Hardness (mg/L)	All bores	For interpretation purposes only	

Notes:

- All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).
- Limits for metals and metalloids apply to dissolved results.
- ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection).

END OF PRCP SCHEDULE