

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_ EPML00881213_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_ EPML00881213_V1

PRCP schedule holder(s)

Name(s)	Registered address
Mineral Projects Pty Ltd and Tableland Resources Pty Ltd	293 Queen St Brisbane QLD 4000

Location details

Location(s)
Mining Lease (ML) 2834, ML2833, ML2810, ML2831, ML2832 and ML2811

Take effect

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



Signature

04/04/2023

Date

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

Enquiries:
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Obligations under the *Environmental Protection Act 1994*

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

Pursuant to section 285 of the EP Act:

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

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

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

PRCP schedule

The PRCP schedule incorporates the following sections:

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

Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

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

General conditions

- PRCP1** The holder must comply with each milestone criterion stated in the schedule.
- PRCP2** Where a milestone criterion requires any of the following, the holder must keep records of the actions taken to comply with the criterion as well as the results and provide a copy of this information to the Administering Authority on request –
- i) certifications or assessments to be undertaken
 - ii) monitoring or maintenance to be carried out
 - iii) final design plans and/or specifications to be developed
 - iv) reports such as contaminated land investigations, rehabilitation reports (including monitoring records), validation reports, Quality Assurance/Quality Control reports
- PRCP3** Where land becomes available for rehabilitation earlier than the nominated 'Date area is available', progressive rehabilitation for that land must commence as soon as practicable. Progressive rehabilitation commenced early under this condition must be carried out in accordance with the milestones and criteria in this schedule, except that each of the dates by which milestones are to be completed is brought forward by the same amount of time as the commencement was brought forward.
- PRCP4** Disturbance due to exploration activities in areas not authorised to be mined must be rehabilitated in accordance with the provisions detailed in the *Eligibility criteria and standard conditions for exploration and mineral development projects* or its successor, with the exception that land must be rehabilitated to a stable condition* that achieves the relevant PMLU as indicated by Figure 1 Final Site Design.

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

END OF CONDITIONS

Section B - Final site design and reference maps

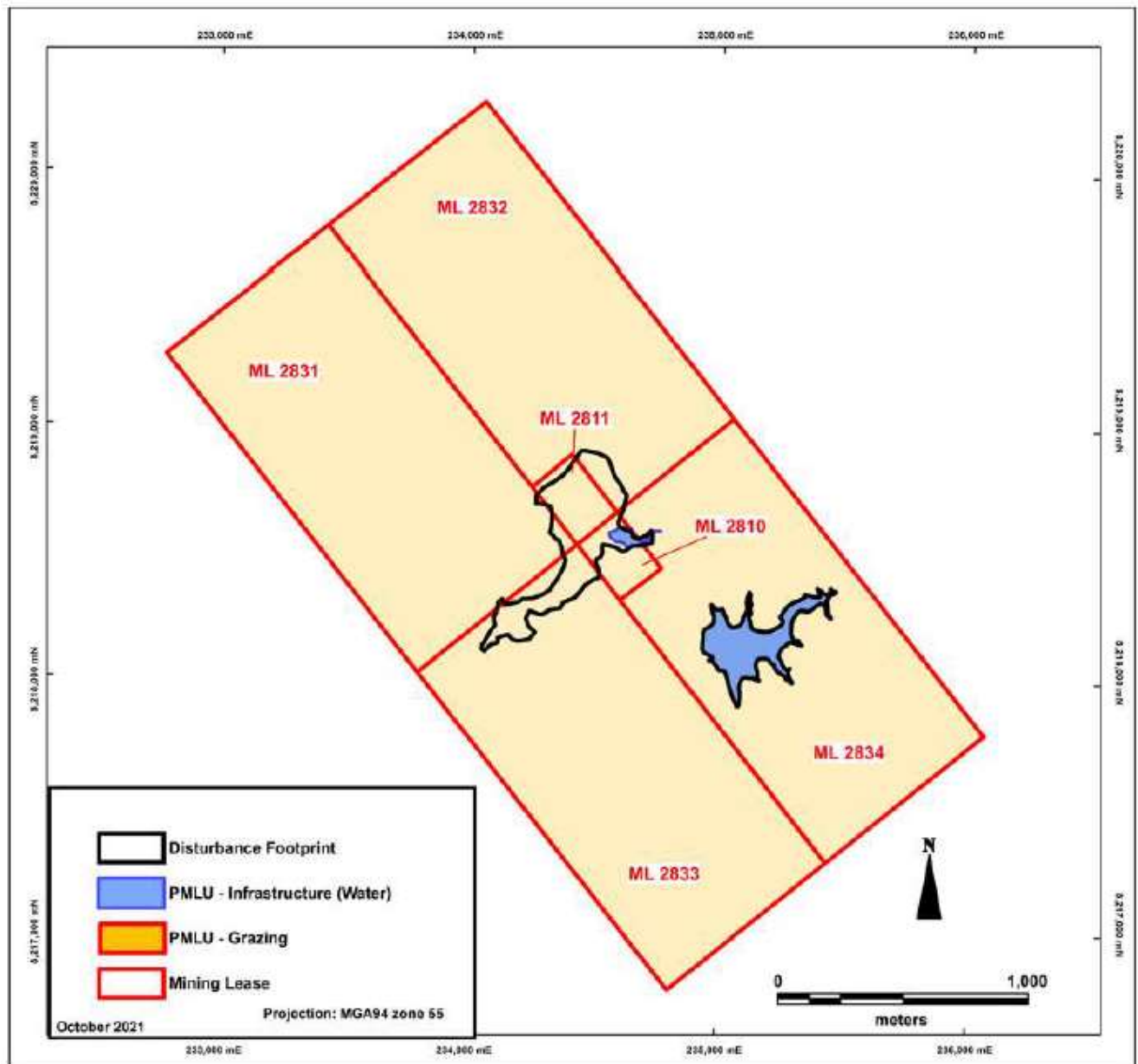


Figure 1 – Final Site Design

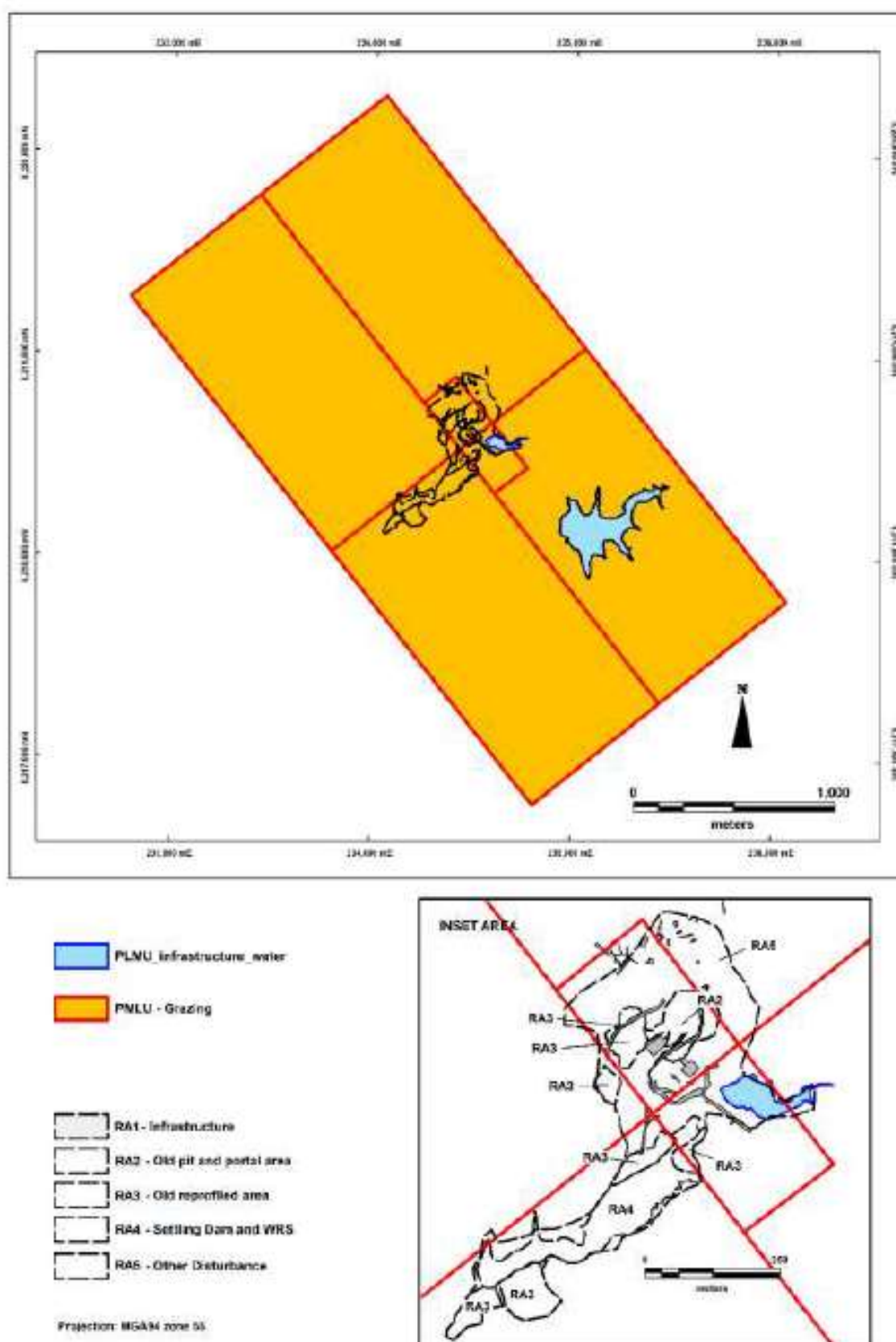


Figure 2 – Reference Map

Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)										
Rehabilitation area	RA1									
Relevant activities	Old infrastructure areas									
Total rehabilitation area size (ha)	0.35 ha									
Commencement of first milestone: <insert milestone reference>	During 2021/2022 dry seasons									
PMLU	Low-intensity cattle grazing									
Date area is available	1/01/22	30/04/27								
Cumulative area available (ha)	0.175	0.175								
Milestone completed by	10/12/23	30/04/28								
Milestone Reference	Cumulative area achieved (ha)									
RM1	0.175	0.175								
RM4	0.175	0.175								
RM5	0.175	0.175								
RM6	0.175	0.175								
RM										

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)										
Rehabilitation area	RA2									
Relevant activities	Pit and portal (including void)									
Total rehabilitation area size (ha)	0.57 ha									
Commencement of first milestone: <insert milestone reference>	End of mine life									
PMLU	Low-intensity cattle grazing									
Date area is available	30/04/27									
Cumulative area available (ha)	0.57									
Milestone completed by	30/04/28									
Milestone Reference	Cumulative area achieved (ha)									
RM1	0.57									
RM2	0.57									
RM4	0.57									
RM5	0.57									
RM6	0.57									
RM										

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)										
Rehabilitation area				RA3						
Relevant activities				Old reprofiled area						
Total rehabilitation area size (ha)				2.45 ha						
Commencement of first milestone: <insert milestone reference>				End of mine life						
PMLU				Low-intensity cattle grazing						
Date area is available	30/04/27									
Cumulative area available (ha)	2.45									
Milestone completed by	30/04/28									
Milestone Reference	Cumulative area achieved (ha)									
RM5	2.45									
RM6	2.45									
RM										
RM										
RM										

(RA4) Rehabilitation Area 4

Post-mining land uses (PMLU)										
Rehabilitation area			RA4							
Relevant activities			Settling Dam and waste rock stockpile							
Total rehabilitation area size (ha)			2.6 ha							
Commencement of first milestone: <insert milestone reference>			End of mine life							
PMLU			Low-intensity cattle grazing							
Date area is available	30/04/27									
Cumulative area available (ha)	2.6									
Milestone completed by	30/04/28									
Milestone Reference	Cumulative area achieved (ha)									
RM1	2.6									
RM3	2.6									
RM4	2.6									
RM5	2.6									
RM6	2.6									

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)										
Rehabilitation area	RA5									
Relevant activities	Other areas including tracks									
Total rehabilitation area size (ha)	0.3 ha									
Commencement of first milestone: <insert milestone reference>	End of mine life									
PMLU	Low-intensity cattle grazing									
Date area is available	30/04/27									
Cumulative area available (ha)	0.3									
Milestone completed by	30/04/28									
Milestone Reference	Cumulative area achieved (ha)									
RM1	0.3									
RM4	0.3									
RM5	0.3									
RM6	0.3									
RM										
RM										

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM 1	Decommissioning of infrastructure	1. a) All services disconnected in coordination with service providers and all associated service infrastructure removed from site to an appropriate waste management facility. 1. b) All remaining buildings and infrastructure, concrete pads and laydown areas demolished, and materials removed from site to an appropriate waste management facility. 1. c) All pipelines and mine water management infrastructure, other than those to remain post mining, decommissioned and removed from site to an appropriate waste management facility. 1. d) All other rubbish removed from site to an appropriate waste management facility.
RM 2	Backfill of pit (void) and portal	2. a) Backfill historic pit (void) which includes the previously closed off portal (RA2). 2. b) The final pit landform is geotechnically stable. 2. c) The final landform surface is water-shedding with no visible evidence of surface subsidence such as ponding water.
RM 3	Rehabilitation of Settling Dam and waste rock stockpile	3. a) Free-standing water transferred from the Settling Dam to Pit Dam. 3. b) Clean water diversion drains constructed with excavated material to be placed into Settling Dam void. 3. c) NAF waste rock material from Waste Rock Dump is placed in the base of the Settling Dam and compacted to achieve: i. a minimum depth of 0.5 m, and ii. a maximum saturated hydraulic conductivity of 10^{-9} m/s. 3. d) PAF material that remains in the Waste Rock Dump is set back at least 10m from the outer embankment and fully encapsulated within compacted NAF. The final surface of the PAF material will have a minimum thickness of 0.5 m of compacted NAF overlying its final surface area.

		3. e) Where PAF is relocated to the settling dam, it is fully encapsulated in NAF waste rock material and is compacted in 0.5 m thick lifts. Each compacted lift will achieve a maximum saturated hydraulic conductivity of 10^{-9} m/s. 3. f) An AQP will undertake field testing to ensure the criteria of lift thickness (0.5 m) and maximum saturated hydraulic conductivity (10^{-9} m/s) of individual lifts are achieved. 3. g) The uppermost layer of PAF is covered by a minimum depth of 1.5 m of compacted NAF. 3. h) NAF will be placed in the final, upper 1.5 m of the Settling Dam and lightly compacted to produce a subsoil growth medium. 3. i) A minimum depth of 0.2 m of growth medium (topsoil or ameliorated subsoil) will be placed over the lightly compacted NAF. 3. j) The total volume and location of PAF placed within the Settling Dam landform will be recorded and provided to the administering authority. 3. k) Settling Dam and waste rock dump landforms have been re-shaped as per engineering design that achieves the following: i. embankment slopes will not exceed 20%, and ii. the landform top is water-shedding, and iii. the landform surface does not exhibit any evidence of subsidence.
RM 4	Remediation of contaminated land	4. a) Contaminated land investigation for all areas that are identified as containing a source of contamination undertaken by an AQP. 4. b) All contaminated material removed from the site unless onsite remediation is being undertaken. 4. c) A contaminated land investigation document has been prepared by an AQP, containing a site suitability statement confirming that land is not contaminated and is suitable for the proposed PMLU.

RM 5	Landform Development and Reshaping/Reprofiling and Revegetation	5. a) All rehabilitation is engineered and shaped to achieve a stable landform. 5. b) All onsite earthworks completed. 5. c) All erosion and sediment control systems have been installed and are functioning correctly. 5. d) Prior to application, soil proposed for use as growth media (i.e., topsoil and/or subsoil material) has been assessed by AQP to determine whether it is suitable for target vegetation establishment and ameliorants and/or fertiliser are applied at the rates recommended by the AQP. 5. e) The volumes, source and placement of topsoil and subsoil used in landform reshaping and construction will be recorded for reporting requirements. 5. f) The cover surface will be ripped to a depth of 0.2 m on contour prior to seeding. 5. g) Seeding undertaken prior to forecasted rainfall during the wet season. 5. h) Seeding undertaken at a minimum rate of 8 kg/ha comprising a mix of pasture species and native species present in Regional Ecosystems (RE) RE 9.11.3, RE 9.11.25 and RE 9.11.26 including: i. native grasses (<i>Heteropogon contortus</i>, <i>Aristida</i> spp. and <i>Themeda triandra</i>), and ii. pasture species (ryegrass, Rhodes grass and bluegrass), and iii. open woodland native trees (<i>Eucalyptus cullenii</i>, <i>E. staigeriana</i>, <i>Corymbia</i> spp. and <i>Melaleuca</i> spp.), and iv. Native sub storey and shrub species (<i>Melaleuca</i> spp., <i>Acacia</i> spp., and <i>Petalostigma</i> spp.). 5. i) The seed mix specified in criteria 5.h) will be revised for the Settling Dam (RA4) to remove deep-rooting tree species.
RM 6	Establishment of target PMLU vegetation and stable landform PMLU achieved	6. a) No erosion classed as 'Moderate' or 'Severe' is present³. Erosion rates do not exceed erosion rates observed in the reference sites². 6. b) There is no evidence of salt accumulation on the surface of RA4. 6. c) Trees are, on average, at least 2 m tall.

		6. d) Surface water quality, sediment quality and groundwater quality complies with relevant quality objectives stated in the Environmental Authority EPML00881213. 6. e) Land is geotechnically stable and suitable for PMLU (low intensity grazing). 6. f) No evidence of seepage from Settling Dam from external embankments and toe, and no seepage evident into diversion drains. 6. g) Certification from an AQP that the landform has achieved a factor of safety greater than 1.5 6. h) Weed⁴ presence is no greater than reference sites. 6. i) Vegetative groundcover, floristic composition and bare areas are statistically ($P < 0.05$) comparable to those at reference sites. 6. j) Vegetation comprises of a mix of native (<i>Heteropogon contortus</i>, <i>Aristida</i> spp. and <i>Themeda triandra</i>) and pasture (ryegrass, Rhodes grass and bluegrass) grasses and open woodland native trees (<i>Eucalyptus cullenii</i>, <i>E. staigeriana</i>, <i>Corymbia</i> spp. and <i>Melaleuca</i> spp.) and native sub storey and shrub species (<i>Melaleuca</i> spp., <i>Acacia</i> spp., and <i>Petalostigma</i> spp.) of the Regional Ecosystems (RE) RE 9.11.3, RE 9.11.25 and RE 9.11.26 stated in Section 2.1.12 of the PRCP.
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Footnotes:

1. *Appropriately Qualified Person* (AQP) means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relating to the subject matter using the relevant protocols, standards, methods or literature.

2. Rehabilitation Reference Sites

SITE ID	Catchment	Easting (GDA2020, Zone55)	Northing (GDA2020, Zone55)
Reference Site A	Disturbance Area to Settling Dam	234292	8218543
Reference Site B	Raw Water Dam 2	234080	8218108
Reference Site C	Gum Creek Tributary	234771	8218366

3. Erosion classification framework:

Erosion classification	Minor	Moderate	Severe
No. of rills/gully	<15	15-30	31-50
Average depth (cm)	<10	10-30	30-60
Proportion of site affected by disturbance (%)	<1	1-5	>5

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

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

5. Australian and New Zealand Guidelines for Fresh and Marine Water Quality, Volume 3 Primary Industries — Rationale and Background Information (ANZECC and ARMCANZ 2000)

END OF **PRCP** SCHEDULE