PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_EPML00819113_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_EPML00819113_V1

PRCP schedule holder(s)

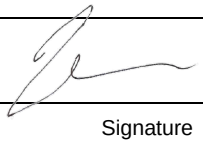
Name(s)	Registered address
STANMORE SMC PTY LTD ACN: 009 713 875	Level 32, 12 Creek Street BRISBANE CITY QLD 4000 Australia

Location details

Location(s)
ML70312

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.

	21 July 2023
Signature	Date

Juliana McCosker
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

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Queensland Government

Obligations under the *Environmental Protection Act 1994*

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

Pursuant to section 285 of the EP Act:

- the holder of a PRCP schedule must commission an audit of the schedule by a rehabilitation auditor for the following periods (each an audit period) —

  (a) the 3-year period starting on the day the schedule takes effect

  (b) each 3-year period starting on the day after the previous audit period ended.

- the holder must, within 4 months after the end of each audit period, give the administering authority -

  (a) the rehabilitation auditor's report (an audit report) about the audit that complies with section 286 of the EP Act, and

  (b) a declaration for the audit report that complies with section 285 of the EP Act.

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

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

PRCP schedule

The PRCP schedule incorporates the following sections:

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

Section 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 land becomes available for rehabilitation earlier than the nominated 'Date area is available' or is able to commence earlier than the 'Commencement of first milestone' date, 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.

PRCP3 Where an area achieves a rehabilitation milestone, it must be maintained and continue to comply with the rehabilitation milestone criteria for that rehabilitation milestone until the next rehabilitation milestone is achieved.

PRCP4 Where an area has achieved the final rehabilitation milestone, it must be maintained and continue to comply with the rehabilitation milestone criteria for the final milestone and continue to be in a stable condition, until the area is progressively certified according to the requirements of the EP Act, or that area is surrendered.

PRCP5 Monitoring and maintenance must be carried out in accordance with:

i. the monitoring and maintenance program described in the rehabilitation planning part relating to this PRCP schedule; and

ii. any requirement under this PRCP schedule

PRCP6 The holder must keep records in relation to relevant matters for a minimum of five years and provide such records to the administer authority on request. Relevant matters for this condition include, but are not necessarily limits to, the following:

i. Rehabilitation activities and the results of these activities

ii. Maintenance activities and the results of maintenance activities

iii. Monitoring activities and the results of monitoring

iv. Certifications, assessments, investigations, inspections, audits, or any similar processes carried out in relation to rehabilitation milestones or milestone criteria

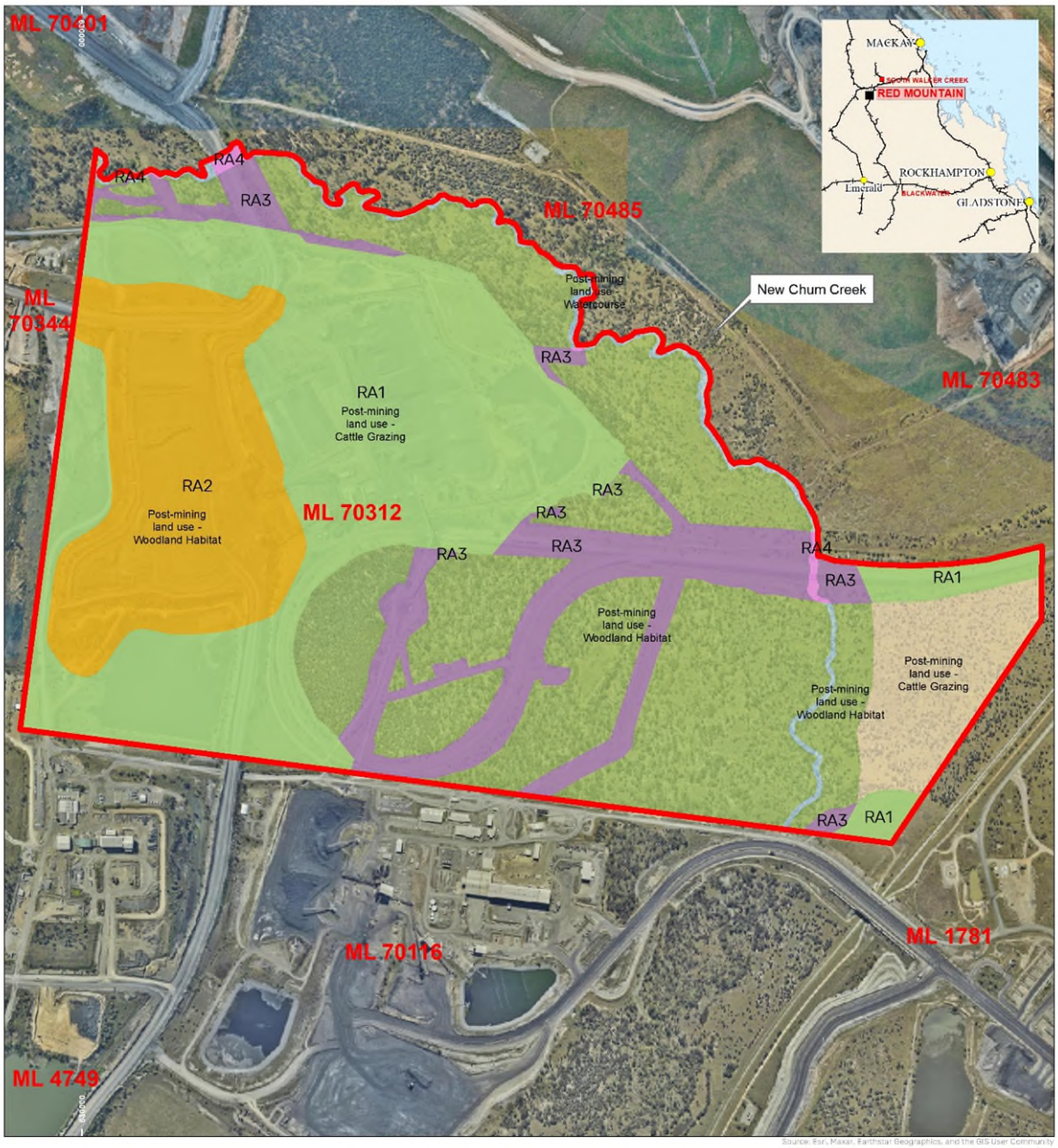
END OF CONDITIONS

Section B - Final site design and reference maps

Figure 1 – Final site design

RED MOUNTAIN INFRASTRUCTURE PRC PLAN

Figure 2 – Reference map



RED MOUNTAIN INFRASTRUCTURE PRC PLAN

REFERENCE MAP

Drawn: schuj4
Exported: 8/06/2023
File: RMI PRCP
Figure: 24
Version: 1
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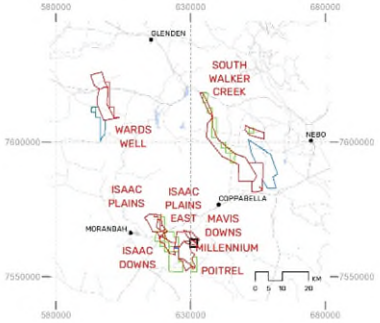
LEGEND
ML 70312
Rehabilitation Areas (RA)
RA1
RA2
RA3
RA4
Post-Mining Land Use
Cattle Grazing
Watercourse
Woodland Habitat

N
A3 1:10,000 AGD 1984 AMG Zone 55



Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)										
Rehabilitation area	RA1									
Relevant activities	Infrastructure, offices, laydown, roads, product coal stockpile, drying cells, dams, rail, topsoil stockpiles									
Total rehabilitation area size (ha)	96									
Commencement of first milestone: RM1	10/12/2036									
PMLU	Cattle Grazing									
Date area is available	10/12/36	10/12/39		10/12/49	10/12/51					
Cumulative area available (ha)	51	60		84	96					
Milestone completed by	10/12/39	10/12/42	10/12/49	10/12/52	10/12/54	10/12/57	10/12/62	10/12/64	10/12/67	10/12/69
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	51	60		84	96					
RM2	51	60		84	96					
RM3	51	60		84	96					
RM4	51	60		84	96					
RM7	51	60		84	96					
RM10			51	60			84	96		
RM13					51	60			84	96

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)					
Rehabilitation area				RA2	
Relevant activities				ROM Pad	
Total rehabilitation area size (ha)				44	
Commencement of first milestone: RM1				10/12/2036	
PMLU				Woodland Habitat	
Date area is available	10/12/36				
Cumulative area available (ha)	44				
Milestone completed by	10/12/39	10/12/40	10/12/54	10/12/59	
Milestone Reference	**Cumulative area achieved (ha)**				
RM1	44				
RM2	44				
RM3	44				
RM5	44				
RM8		44			
RM11			44		
RM14				44	

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)								
Rehabilitation area	RA3							
Relevant activities	Rail, roads, topsoil stockpiles							
Total rehabilitation area size (ha)	33							
Commencement of first milestone: RM1	10/12/2036							
PMLU	Woodland Habitat							
Date area is available	10/12/36		10/12/51					
Cumulative area available (ha)	5		33					
Milestone completed by	10/12/39	10/12/2040	10/12/54	10/12/2055	10/12/59	10/12/69	10/12/74	
Milestone Reference	**Cumulative area achieved (ha)**							
RM1	5		33					
RM2	5		33					
RM3	5		33					
RM5	5		33					
RM8		5		33				
RM11			5			33		
RM14					5		33	

(RA1) Rehabilitation area 4

Post-mining land uses (PMLU)						
Rehabilitation area	RA4					
Relevant activities	Rail, roads					
Total rehabilitation area size (ha)	0.9					
Commencement of first milestone: RM1	10/12/2036					
PMLU	Water course					
Date area is available	10/12/36	10/12/51				
Cumulative area available (ha)	0.5	0.9				
Milestone completed by	10/12/39	10/12/54	10/12/59	10/12/69	10/12/74	
Milestone Reference	**Cumulative area achieved (ha)**					
RM1	0.5	0.9				
RM2	0.5	0.9				
RM3	0.5	0.9				
RM6	0.5	0.9				
RM9	0.5	0.9				
RM12		0.5		0.9		
RM15			0.5		0.9	

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1. a) Services disconnected 1. b) Built and service infrastructure demolished and removed (except where agreed in writing by the post-mining land owner/holder) 1. c) Concrete, bitumen and aggregate removed 1. d) Rubbish removed 1. e) No more than 10% visible coaly and carbonaceous mineral waste on surface 1. f) Dried tailings removed 1. g) Water and sediment within dams removed 1. h) Creek crossing culverts removed
RM2	Remediation of contaminated land	2. a) Contaminated land investigation completed by an appropriately qualified person[1] in accordance with the *Environmental Protection Act (1994)* including: • a Site Suitability Statement confirming the suitability of the property for the PMLUs; and • Audit Certification 2. b) The Contaminated Land Investigation Document is supported by a Site Investigation Report and, where appropriate, a Validation Report and/or a draft Site Management Plan 2. c) In the event that residual contamination is identified and presents a potential unacceptable risk to the nominated PMLUs or environmental values, remediation works and/or implementation of management controls are completed 2. d) Where ongoing management of residual contamination is deemed appropriate, a draft Site Management Plan is prepared, and approval of the draft Site Management Plan is obtained from the administering authority [1]***Appropriately qualified person****: 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*
RM3	Landform development and reshaping	3. a) Tailings drying cells backfill completed 3. b) Dams backfill completed 3. c) Haul road and rail base material removed within 100m of New Chum Creek, and disturbed bed and banks returned to a profile similar to the pre-disturbance condition in accordance with associated riverine and/or operation works permits or associated exemptions (RA3, RA4) 3. d) Landforms reshaped with maximum 10% slopes (RA1, RA2, RA3)

		3. e) Landform reshaped to be free-draining and consistent with surrounding topography
RM4	Surface preparation (cattle grazing)	4. a) Topsoil is placed at an average thickness of 150mm 4. b) An assessment of growth media characteristics is completed by an appropriately qualified person[1] that identifies amelioration and other treatments required to achieve the following primary growth media quality targets[2]: 1) Surface pH (pH units) 5 – 7 2) Salinity (EC1:5; dS/m) <0.75 3) Sodicity (ESP; %) <6 4) Total N (mg/kg) >1,000 5) Available (mg/kg) P >10 6) Available (mg/kg) K >200 7) Organic Carbon (%) >1 4. c) Amelioration and physical treatments are applied as identified in 4(b) 4. d) Rip across contour [2]***Primary growth media quality targets:*** *criteria provided as a post-ameliorant target. Initial soil analysis values may be outside of these ranges, however they must be achieved where that is a requirement of this PRCP schedule.*
RM5	Surface preparation (woodland habitat)	5. a) An assessment of growth media characteristics is completed by an appropriately qualified person[1]that identifies amelioration and other treatments required to achieve the following primary growth media quality targets[2]: 1) Surface pH (pH units) 6 – 9 2) Salinity (EC1:5; dS/m) <0.75 3) Sodicity (ESP; %) <6 4) Total N (mg/kg) >1,000 5) Available (mg/kg) P >10 6) Available (mg/kg) K >200 7) Organic Carbon (%) >1 5. b) Amelioration and physical treatments are applied as identified in RM5(a) 5. c) Rip across contour
RM6	Surface preparation (water course)	6. a) An assessment of growth media characteristics is completed by an appropriately qualified person[1], and amelioration and other treatments required identified 6. b) Ameliorant and physical treatments are applied as identified in RM6(a) 6. c) Sediment and erosion controls established in accordance with associated riverine and/or operation works permits or associated exemptions

RM7	Revegetation (cattle grazing)	7. a) Completed seeding in accordance with recommended pasture mix (grasses, cover crop and legumes), and seeding rates (up to 25kg/ha) as listed in **Appendix 4, Table 1 - Recommended species list and sowing rates for grazing at RA1**
RM8	Revegetation (woodland habitat)	8. a) Primary growth media quality targets[2] listed in 5(a) are achieved based on a number of representative samples as determined by an appropriately qualified person[1] 8. b) Completed seeding using a selection of species outlined in: • RA2: **Appendix 4, Table 2 – Recommended species list for woodland habitat at RA2** • RA3: **Appendix 4, Table 3 – Recommended species list for woodland habitat at RA3** 8. c) Completed seeding as per recommended sowing rates for individual species where possible and total recommended seeding rates for dominant tree species (5kg/ha), mid-storey species (5kg/ha), and groundcover species (5kg/ha).
RM9	Revegetation (water course)	9. a) Completed seeding using a selection of species outlined in **Appendix 4, Table 4 – Recommended species list for watercourse at RA4** 9. b) Completed seeding as per recommended sowing rates for individual species where possible and total recommended seeding rates for upper bank (5kg/ha), mid bank (5kg/ha), and lower bank (5kg/ha) plus 5kg/ha of suitable cover crop (e.g. *Echinochloa esculenta*)
RM10	Achievement of surface requirements (cattle grazing)	10. a) Pasture condition rating ≤3, based on the Pasture Condition Assessment Table as per "Stocktake: Balancing Supply and Demand" (Developed by FutureBeef – futurebeef.com.au), as provided in **Appendix 4, Table 5 – Pasture condition assessment table**, including: • Preferred pasture species (3P grasses[3]) diversity ≥2 species • Preferred pasture (3P) % DM yield ≥10% • Annual grass DM yield % <70% • Grasses other than 3P grasses[3] and other weeds % DM yield <80% • Crown cover (3P grasses2) – at worst, moderate to low density and some plants dead [3]3P grasses: native and naturalised exotic grass species that are perennial, palatable, and productive plants to stock
RM11	Achievement of surface requirements (woodland habitat)	11. a) A BioCondition assessment is completed by an appropriately qualified person[1] using the methodology outlined in the latest version of the Queensland Herbarium's BioCondition Assessment Manual. 11. b) The BioCondition assessment required by 11(a) demonstrates achievement of the PRCP Benchmark for each assessable attribute for the relevant regional ecosystem as per **Appendix 1**. The relevant regional ecosystem is 11.5.3 for RA2, and 11.4.3 for RA3. 11. c) No active gully erosion, where an active gully is a gully that has increased in area >5% since the previous monitoring period.

RM12	Achievement of surface requirements (water course)	12. a) Revegetation species presence on upper banks, mid-banks and lower banks representative of sown seed mix as detailed in RM9 12. b) Groundcover[4] is >80% on banks 12. c) Total invasive plant[5] cover is ≤10% [4]***Groundcover****: anything in contact with the soil surface, for example, rocks, stones, sticks, leaves, grass, hay* [5]***Invasive plants****: as listed under the Queensland Biosecurity Act 2014*
RM13	Achievement of post-mining land use to a stable condition (cattle grazing)	13. a) A hazard assessment has been completed by an appropriately qualified person[1] to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use 13. b) Groundcover[4] >50% 13. c) Rainfall runoff from rehabilitation is not significantly different to upstream values for the following: pH, EC and turbidity as per **Appendix 4, Figure 3 – Water Data Evaluation Process** 13. d) Deep drainage from the area is not significantly different to EC levels as per **Appendix 4, Figure 3 – Water Data Evaluation Process**, of: • the EPP (Water) schedule documents water quality objectives for relevant groundwater chemistry zones; or • local water quality objectives developed in accordance with the Queensland Water Quality Guidelines 13. e) Land suitability class ≤3, or not different from pre-mining class if ≥4, as per **Appendix 4, Table 5 – Pasture condition assessment table**. The assessment is to be conducted by an appropriately qualified person[1].For RM13(e), if the land suitability class is assessed as being not different from pre-mining class if ≥4 for all or a portion of a rehabilitation area, an assessment of reference sites[6] must be carried out to determine if the limitation/s resulting in the class of ≥4 is consistent with that of reference sites 13. f) Certification by an appropriately qualified person[1] that pasture meets a pasture condition rating ≤3, based on the Pasture Condition Assessment Table as per "Stocktake: Balancing Supply and Demand" (developed by FutureBeef – futurebeef.com.au), as provided in **Appendix 4, Table 5 – Pasture condition assessment table** 13. g) No active gully erosion, where an active gully is a gully that has increased in area >5% since the previous monitoring period 13. h) Landform is free-draining [6]***Reference site****: representative undisturbed grazing land adjacent to the disturbance area*

RM14	Achievement of post-mining land use to a stable condition (woodland habitat)	14. a) A BioCondition assessment is completed by an appropriately qualified person[1] using the methodology outlined in the latest version of the Queensland Herbarium's BioCondition Assessment Manual. 14. b) The BioCondition assessment required by 14(a) demonstrates achievement of the PRCP Benchmark for each assessable attribute for the relevant regional ecosystem as per **Appendix 2**. The relevant regional ecosystem is 11.5.3 for RA2, and 11.4.3 for RA3. 14. c) A hazard assessment has been completed by an appropriately qualified person[1] to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use 14. d) Rehabilitation of RA2 is assessed as geotechnically stable by an appropriately qualified person[1] with FoS≥1.5, unless an alternative is justified by an appropriately qualified engineer 14. e) Rainfall runoff from rehabilitation is not significantly different to upstream values for the following: pH, EC and turbidity as per **Appendix 4, Figure 3 – Water Data Evaluation Process** 14. f) Deep drainage from the area is not significantly different to EC levels as per **Appendix 4, Figure 3 – Water Data Evaluation Process**, of: • the EPP (Water) schedule documents water quality objectives for relevant groundwater chemistry zones; or • local water quality objectives developed in accordance with the Queensland Water Quality Guidelines 14. g) No active gully erosion, where an active gully is a gully that has increased in area >5% since the previous monitoring period
RM15	Achievement of post-mining land use to a stable condition (water course)	15. a) A hazard assessment has been completed by an appropriately qualified person[1] to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use 15. b) Groundcover[4] on banks >80% 15. c) Rainfall runoff from rehabilitation is not significantly different to upstream values for the following: pH, EC and turbidity as per **Appendix 4, Figure 3 – Water Data Evaluation Process** 15. d) A BioCondition assessment is completed by an appropriately qualified person[1] using the methodology outlined in the latest version of the Queensland Herbarium's BioCondition Assessment Manual 15. e) The BioCondition assessment required by 15(d) demonstrates achievement of the PRCP Benchmark for each assessable attribute for the relevant regional ecosystem as per **Appendix 3**. The relevant regional ecosystem is RE 11.3.25.

Appendix 1 – RM11 Benchmark for Native Woodland Rehabilitation Areas (RA2 and RA3)

The following table contains BioCondition benchmark data for the Regional Ecosystems that were nominated to represent the native woodland vegetation for RA2 and RA3, as referenced by **criterion 11(b)**. The data is sourced from the Queensland Government BioCondition benchmark database[1]. A revised PRCP benchmark is derived from the remnant vegetation benchmark, and only a subset of BioCondition assessable attributes are used as some attributes (i.e., large trees, coarse woody debris) would not be achievable in the timeframe from revegetation (RM8) to achievement of surface requirements (RM11).

[1]Source: https://www.qld.gov.au/data/assets/excel_doc/0023/170285/biocondition-benchmark-database-table.xlsx

	Regional Ecosystem	11.5.3 benchmark	11.5.3 PRCP Benchmark (RA2)	11.4.3 benchmark	11.4.3 PRCP Benchmark (RA3)
	Short description	*Eucalyptus populnea* +/- *E. melanophloia* +/- *Corymbia clarksoniana* woodland	Rehabilitated *Eucalyptus populnea* +/- *E. melanophloia* +/- *Corymbia clarksoniana* woodland	*Acacia harpophylla* and/or *Casuarina cristata* open forest	Rehabilitated *Acacia harpophylla* and/or *Casuarina cristata* open forest
Assessable attributes	**Recruitment**	100%	N/A	100%	N/A
	Non-native plant cover	0	**≤** 10%	0	**≤** 10%
	Tree species richness	6	**≥** 2 (including *Eucalyptus populnea*)	2	**≥** 2 (including *Acacia harpophylla*)
	Native shrub species richness	6	**≥** 2	10	**≥** 4
	Native grass species richness	6	**≥** 2	4	**≥** 3
	Native forb and other species richness	10	**≥** 4	13	**≥** 5
	Tree canopy cover	20%	**≥** 8%	70%	**≥** 28%
	Shrub canopy cover	3%	**≥** 1%	48%	**≥** 19%
	Native perennial grass cover	19%	**≥** 7%	6%	**≥** 2%
	Litter ground cover	20%	**≥** 8%	75%	**≥** 30%

Appendix 2 – RM14 Benchmarks for Native Woodland Rehabilitation Areas (RA2 and RA3)

The following table contains BioCondition benchmark data for the Regional Ecosystems that were nominated to represent the native woodland vegetation for RA2 and RA3, as referenced by **criterion 14(b)**. The data is sourced from the Queensland Government BioCondition benchmark database[1]. A revised PRCP benchmark is derived from the remnant vegetation benchmark, and only a subset of BioCondition assessable attributes are used as some attributes (i.e., large trees, coarse woody debris) would not be achievable in the timeframe from revegetation (RM8) to achievement of the post-mining land use (RM14).

[1]Source: https://www.qld.gov.au/data/assets/excel_doc/0023/170285/biocondition-benchmark-database-table.xlsx

	Regional Ecosystem	11.5.3 benchmark	11.5.3 PRCP Benchmark (RA2)	11.4.3 benchmark	11.4.3 PRCP Benchmark (RA3)
	Short description	*Eucalyptus populnea* +/- *E. melanophloia* +/- *Corymbia clarksoniana* woodland	Rehabilitated *Eucalyptus populnea* +/- *E. melanophloia* +/- *Corymbia clarksoniana* woodland	*Acacia harpophylla* and/or *Casuarina cristata* open forest	Rehabilitated *Acacia harpophylla* and/or *Casuarina cristata* open forest
Assessable attributes	**Recruitment**	100%	100%	100%	100%
	Non-native plant cover	0	**≤** 10%	0	**≤** 10%
	Tree species richness	6	**≥** 3 (including *Eucalyptus populnea*)	2	**≥** 2 (including *Acacia harpophylla*)
	Native shrub species richness	6	**≥** 3	10	**≥** 5
	Native grass species richness	6	**≥** 4	4	**≥** 4
	Native forb and other species richness	10	**≥** 5	13	**≥** 7
	Tree canopy cover	20%	**≥** 10%	70%	**≥** 35%
	Shrub canopy cover	3%	**≥** 2%	48%	**≥** 24%
	Native perennial grass cover	19%	**≥** 10%	6%	**≥** 3%
	Litter ground cover	20%	**≥** 10%	75%	**≥** 38%

Appendix 3 – RM15 Benchmarks for Watercourse Rehabilitation Areas (RA4)

The following table contains BioCondition benchmark data for the Regional Ecosystems that were nominated to represent the watercourse vegetation for RA4, as referenced by **criterion 15(e)**. The data is sourced from the Queensland Government BioCondition benchmark database[1]. A revised PRCP benchmark is derived from the remnant vegetation benchmark, and only a subset of BioCondition assessable attributes are used as some attributes (i.e., large trees, coarse woody debris) would not be achievable in the timeframe from revegetation (RM9) to achievement of the post-mining land use (RM15).

[1]Source: https://www.qld.gov.au/data/assets/excel_doc/0023/170285/biocondition-benchmark-database-table.xlsx

	Regional Ecosystem	11.3.25 benchmark	11.3.25 PRCP Benchmark (RA4)
	Short description	*Eucalyptus tereticornis* +/- *E. camaldulensis* woodland fringing drainage lines	Rehabilitated *Eucalyptus tereticornis* +/- *E. camaldulensis* woodland fringing drainage lines woodland
Assessable attributes	**Recruitment**	100%	100%
	Non-native plant cover	0	**≤** 10%
	Tree species richness	4	**≥** 3
	Native shrub species richness	4	**≥** 3
	Native grass species richness	8	**≥** 4
	Native forb and other species richness	13	**≥** 6
	Tree canopy cover	34%	**≥** 15%
	Shrub canopy cover	NA	NA
	Native perennial grass cover	35%	**≥** 15%
	Litter ground cover	21%	**≥** 10%

Appendix 4 (Tables and figures)

Table 1 – Recommended species list and sowing rates for grazing at RA1

Common Name	Scientific Name	Sowing Rate (kg/ha)	Comment
Rhodes grass	*Chloris gayana* *cvv. Callide*[1]	4[a]	3P grass
	cvv. Katambora[1]	4[a]	3P grass
Green panic	*Megathyrsus maximus*[1]	2[a]	3P grass
Black spear	*Heteropogon contortus*	6	Black spear grass
Stylos[2]	*Stylosanthes scabra*[1]	2	Legume requires specific rhizobium inoculum strain CB1650
Wynn cassias	*Chamaecrista rotundifolia*	2	Legume will inoculate naturally but a Group M strain is recommended
Cover crop	(e.g. *Echinochloa esculenta*[1])	5	Cover crop for soil protection
Total		**25**	

1: exotic species
2: must be sown within 28 days of inoculation
a: assumes seed is coasted. If not coated, use half prescribed rate

Table 2 – Recommended species list for woodland habitat at RA2

BVG	Upper-storey tree species	Mid and lower story tree and shrub species	Ground cover
25a	*Eucalyptus thozetiana* *Eucalyptus cambageana* *Eucalyptus crebra* *Acacia harpophylla* *Acacia cambagei* *Casuarina cristata*	*Flindersia dissosperma* *Alphitonia excelsa* *Terminalia oblongata* *Acacia rhodoxylon* *Apophyllum anomalum* *Enchylaena tomentosa* *Ehretia membranifolia* *Santalum lanceolatum* *Eremophila mitchellii* *Alectryon diversifolius* *Eremophila mitchellii* *Carissa ovata* *Geijera parviflora* *Grevillea parallela* *Melaleuca tamariscina* *Alectryon oleifolius*	*Paspalidium caespitosum* *P. distans* *Sporobolus caroli* *S. scabridus* *Enteropogon acicularis* *Ancistrachne uncinulata* *Cyperus gracilis* *Cymbopogon refractus* *Eragrostis lacunaria* *Aristida personata* *Eriochloa pseudoacrotricha* *Enchylaena tomentosa* *Abutilon oxycarpum* *Brunoniella australis* *Capparis lasiantha* *Nyssanthes erecta* *Einadia nutans* *Commelina diffusa* *Evolvulus alsinoides*

Table 3 – Recommended species list for woodland habitat at RA3

BVG	Upper-storey tree species	Mid and lower story tree and shrub species	Ground cover
17b	*Eucalyptus populnea* *Eucalyptus melanophloia* *Corymbia clarksoniana* *Eucalyptus crebra* *Corymbia dallachiana* *Eucalyptus melanophloia* *Eucalyptus brownii*	*Lysiphyllum hookeri* *L. carronii* *Eremophila mitchellii* *Acacia excelsa* *Cassia brewsteri* *Erythroxyum astrale* *Alphitonia excelsa* *Dodonaea viscosa* *Senna artemisioides* *Carissa lanceolata* *Geijera parviflora* *Archidendropsis basaltica* *Ventilago viminalis* *Flindersia dissosperma* *Carissa ovata* *Capparis lasiantha*	*Chrysopogon fallax* *Eragrostis lacunaria* *Fimbristylis dichotoma* *Themeda triandra* *Enteropogon acicularis* *Heteropogon contortus* *Cymbopogon refractus* *Panicum effusum* *Aristida calycina* *Evolvulus alsinoides* *Brunoniella australis* *Euphorbia drummondii* *Rhynchosia minima* *Sida hackettiana* *Alternanthera micrantha* *Eremophila debilis* *Abutilon oxycarpum* *Melhania oblongifolia*

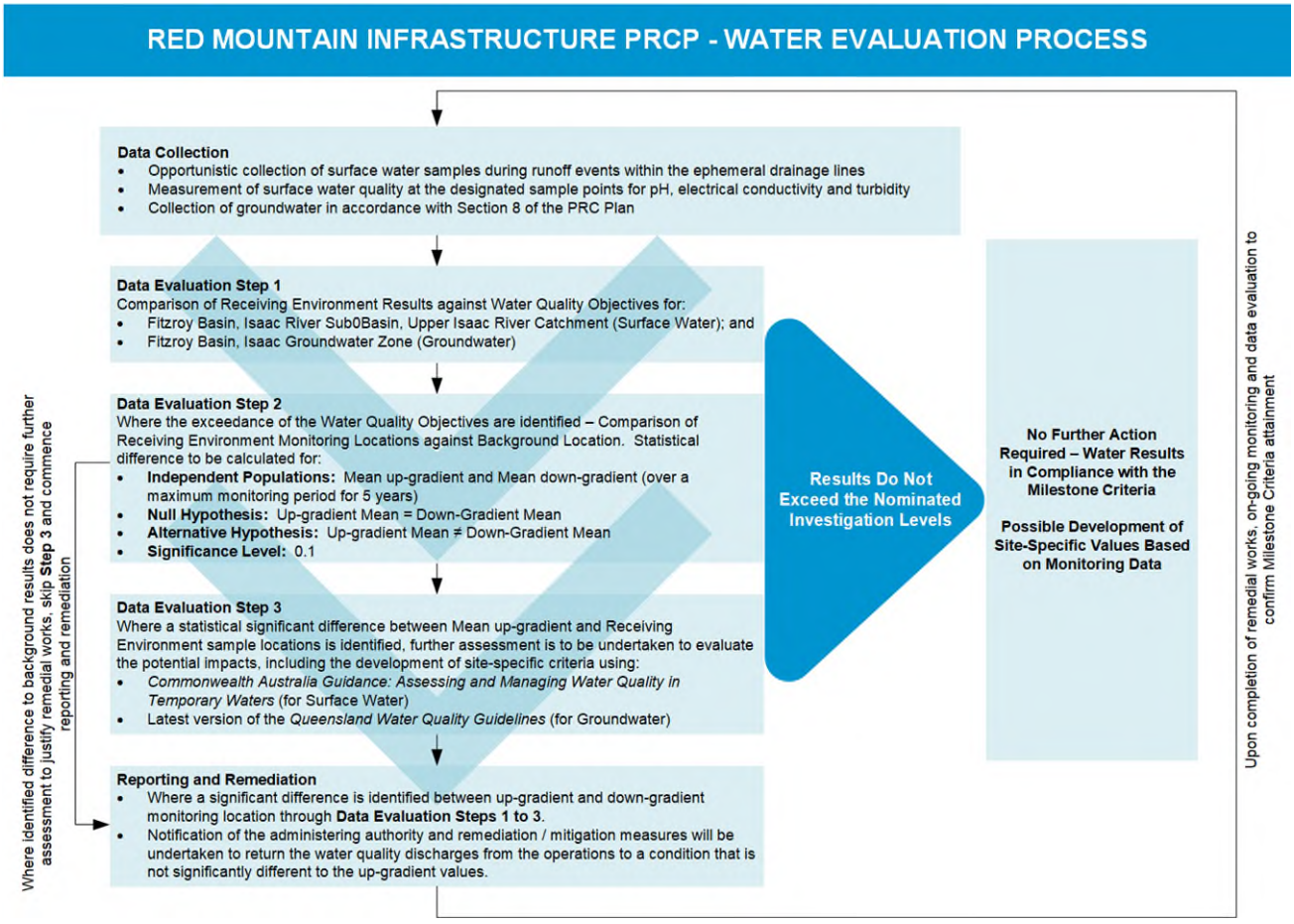
Table 4 – Recommended species list for watercourse at RA4

BVG	Upper-storey tree species	Ground cover
16a	*Eucalyptus camaldulensis* *Eucalyptus tereticornis* *Eucalyptus coolabah* *Melaluca sp.* *Corymbia tessallaris* *Angophora spp.* *Casuarina cunninghamiana*	*Heteropogon contortus* *Themeda triandra* *Chrysopogon fallax* *Imperata cylindrica* *Eulalia aurea* *Cyanthillium cinereum* *Phyllanthus virgatus* *Eustrephus latifolius* *Brunoniella australis* *Crotalaria montana* *Rostellularia adscendens* *Evolvulus alsinoides* *Sida spp*

Table 5 – Pasture condition assessment table

Condition rating	Condition indicators				
	Preferred pasture species		**Annual grass % DM yield**	**Undesirable grasses and other weeds % DM yield**	**Preferred pasture species diversity**
	% DM yield	**Crown cover**			
1	>80%	Dense and plants healthy	<20%	<20%	>5 species
2	60 – 80%	High to moderate density and some plants unhealthy	20 – 40%	20 – 30%	3 – 5 species
3	10 – 60%	Moderate to low density and some plants dead	40 – 70%	30 – 80%	2 – 3 species
4	<10%	Sparse and many plants dead	>70%	>80%	0 or 1 species

Figure 3 – Water Data Evaluation Process



Source: Appendix 11 Figure 27 of the Red Mountain Infrastructure PRC plan rehabilitation planning part

END OF **PRCP** SCHEDULE