

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_EA0002912_V4

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_EA0002912_V4

PRCP schedule holder(s)

Name(s)	Registered address
QUEENSLAND COKING COAL PTY LTD	Level 6, Suite 2, 12 Creek Street, Brisbane QLD 4000
QLD COAL AUST NO.1 PTY TLD	

Location details

Location(s)
ML700060

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

18 February 2022

Date

Dr. Alison Cummings
Department of Environment and Science
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; and
 - (b) when each rehabilitation milestone and management milestone is to be achieved.

There are no conditions beyond those contained in section 206A of the *Environmental Protection Act 1994* that apply to this PRCP schedule.

General conditions

There are no general conditions for this PRCP Schedule.

END OF CONDITIONS

Section B - Final site design and reference maps

Figure 1 – Final Site Design

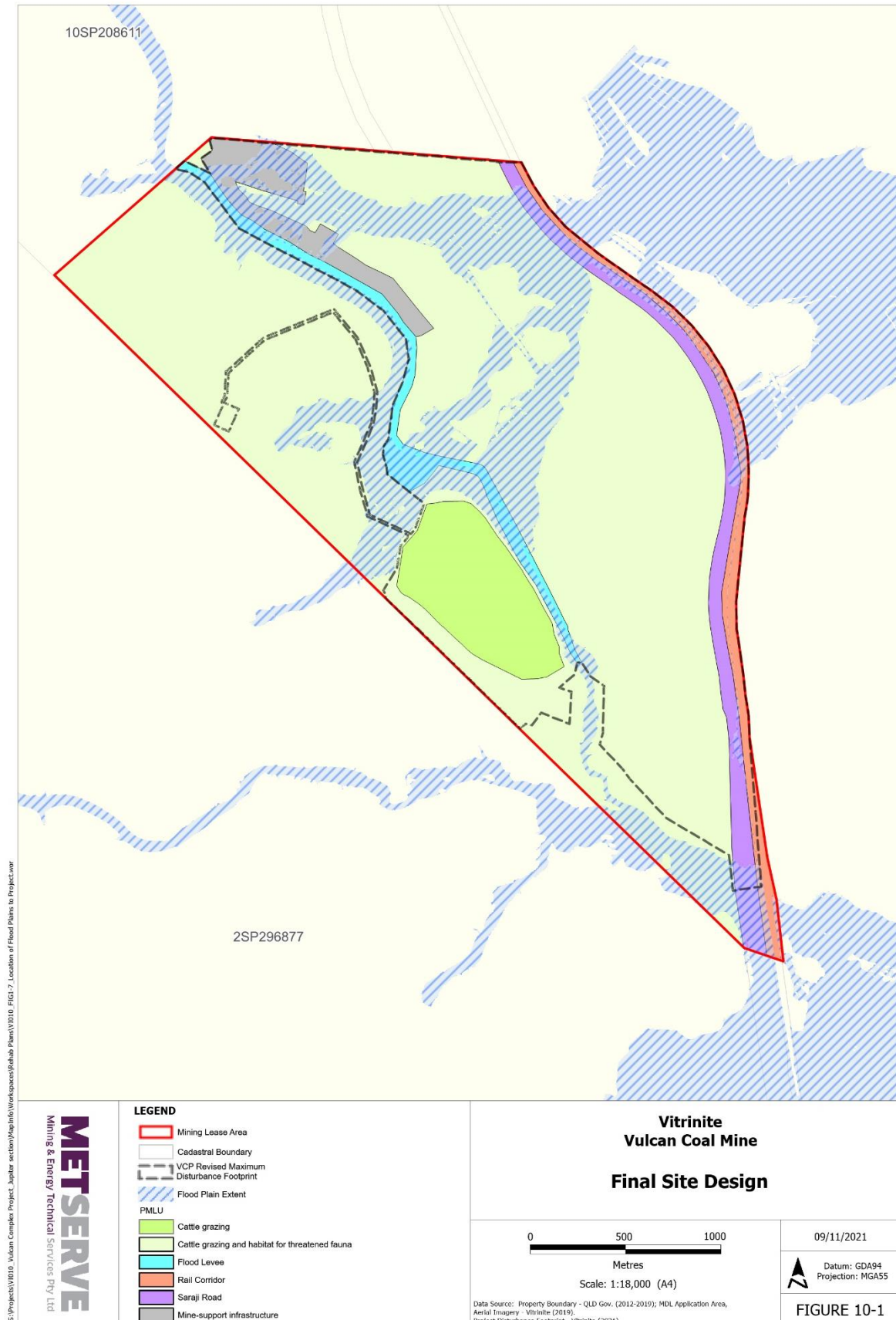
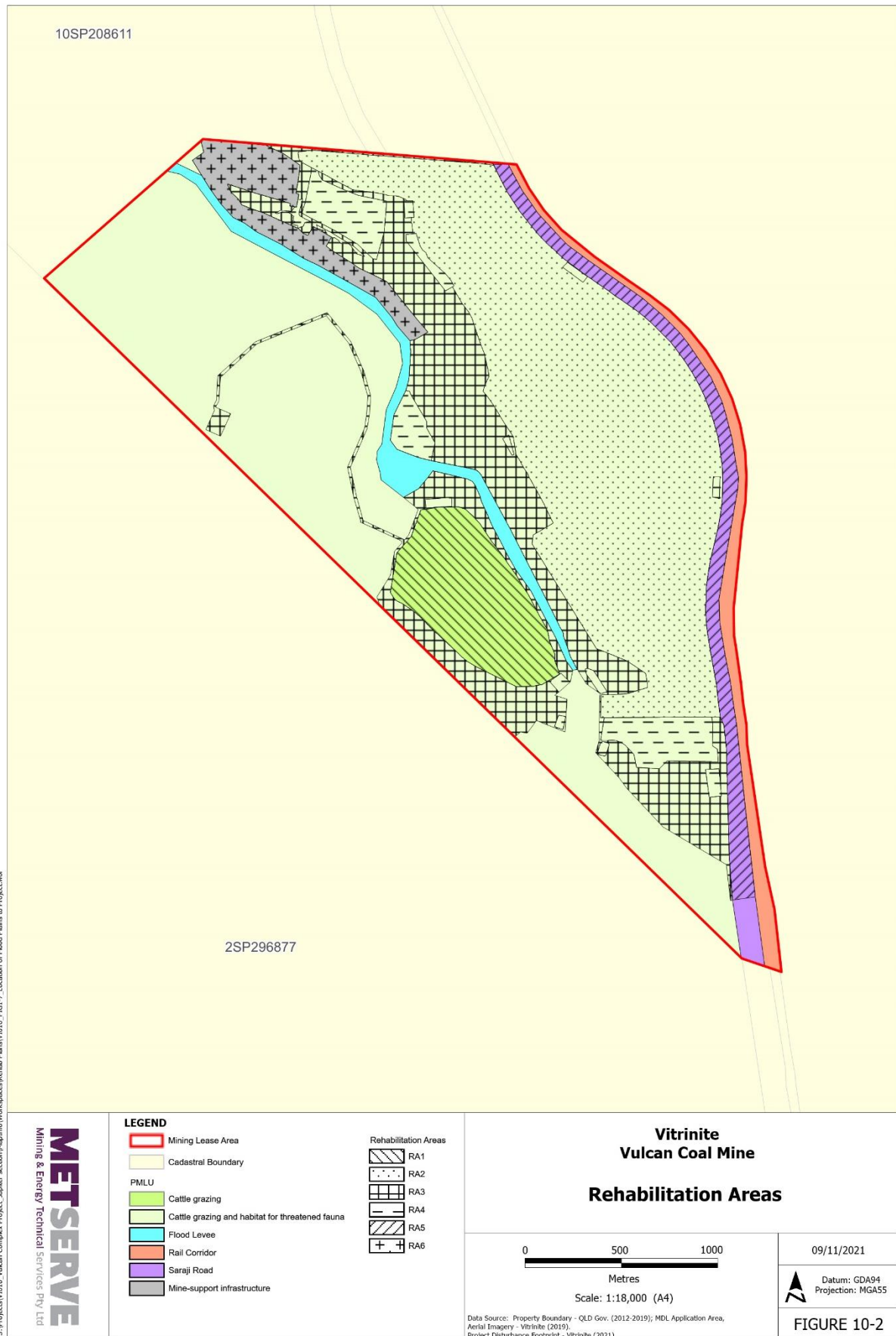


Figure 2 – Rehabilitation Areas



Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)										
Rehabilitation area				RA1						
Relevant activities				Ex-pit waste rock dump						
Total rehabilitation area size (ha)				24						
Commencement of first milestone: (RM3)				1-Aug-22						
PMLU				Low-intensity cattle grazing						
Date area is available	31/07/22		31/07/24							
Cumulative area available (ha)	15		24							
Milestone completed by	10/12/22	10/12/23	10/12/24	10/12/25	10/12/33	10/12/35				
Milestone Reference	Cumulative area achieved (ha)									
RM3	15	15	24							
RM4		15	15	24						
RM5		15	15	24						
RM6					15	24				
RM7					15	24				
RM8					15	24				

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)										
Rehabilitation area				RA2						
Relevant activities				Open-cut mining pit; In-pit waste rock dump						
Total rehabilitation area size (ha)				123						
Commencement of first milestone: (RM3)				1-Aug-23						
PMLU				Low-intensity cattle grazing with habitat for Koalas and Squatter Pigeons						
Date area is available	31/07/23	31/07/24	31/07/25							
Cumulative area available (ha)	25	73	123							
Milestone completed by	10/12/23	10/12/24	10/12/25	10/12/26	10/12/34	10/12/35	10/12/36			
Milestone Reference	Cumulative area achieved (ha)									
RM3	25	73	123							
RM4		25	73	123						
RM5		25	73	123						
RM6					25	73	123			
RM7					25	73	123			
RM8					25	73	123			

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)										
Rehabilitation area				RA3						
Relevant activities				Haul roads, internal tracks, offices, soil stockpiles, run-of-mine pad, magazine						
Total rehabilitation area size (ha)				64						
Commencement of first milestone: (RM1)				1-Aug-25						
PMLU				Low-intensity cattle grazing with habitat for Koalas and Squatter Pigeon						
Date area is available	31/07/25									
Cumulative area available (ha)	64									
Milestone completed by	10/12/25	10/12/26	10/12/36							
Milestone Reference	Cumulative area achieved (ha)									
RM1	64									
RM2	64									
RM3	64									
RM4		64								
RM5		64								
RM6			64							
RM7			64							
RM8			64							

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)										
Rehabilitation area				RA4						
Relevant activities				Dam, sediment control drains and ponds						
Total rehabilitation area size (ha)				18						
Commencement of first milestone: (RM1)				1-Aug-28						
PMLU				Low-intensity cattle grazing with habitat for Koalas and Squatter Pigeon						
Date area is available	31/07/28									
Cumulative area available (ha)	18									
Milestone completed by	10/12/28	10/12/29	10/12/39							
Milestone Reference	Cumulative area achieved (ha)									
RM1	18									
RM2	18									
RM3	18									
RM4		18								
RM5		18								
RM6			18							
RM7			18							
RM8			18							

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)										
Rehabilitation area				RA5						
Relevant activities				Saraji Road						
Total rehabilitation area size (ha)				17						
Commencement of first milestone: (RM9)				30-Aug-26						
PMLU				Road						
Date area is available	30/04/26									
Cumulative area available (ha)	17									
Milestone completed by	10/12/27									
Milestone Reference	Cumulative area achieved (ha)									
RM9	17									

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)										
Rehabilitation area				RA6						
Relevant activities				Offices, workshop, warehouses, roads and associated water management infrastructure and topsoil stockpiles						
Total rehabilitation area size (ha)				13						
Commencement of first milestone: (RM10)				31-Jul-28						
PMLU				Mine support infrastructure						
Date area is available	31/07/28									
Cumulative area available (ha)	13									
Milestone completed by	10/12/28									
Milestone Reference	Cumulative area achieved (ha)									
RM10	13									

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure Decommissioning and Removal	• All services disconnected; • All road materials (bitumen, gravel) removed; • All pipelines drained and removed; • All fencing that is not part of the PMLU removed; • All buildings are demolished and removed; • All machinery and equipment removed; • All surface water drainage infrastructure not required in the PMLU has been removed; and, • All rubbish removed.
RM2	Remediation of Contaminated Land	• All contamination is remediated or removed from site; • Any contamination removed from site has been removed in accordance with relevant regulations; and • A contaminated land investigation document has been prepared by an approved auditor, containing a site suitability statement that states that land is not contaminated and is suitable for the proposed PMLU.
RM3	Landform Development and Reshaping/Reprofiling	• All earthworks except topsoil handling and placement are complete; • Subsoil has been applied and spread to RA2 (the in-pit dump); • All erosion and sediment control systems have been installed; • The final landform surveyed and certified by a suitably qualified person as per the construction designs; • Batters have a maximum slope of 15%; • Rehabilitation areas RA1, RA2 and RA4 have 'as-constructed' plans prepared; and • The back-filled pit has been certified as geotechnically stable by a suitably qualified person.
RM4	Surface Preparation	• Any erosion or subsidence that occurs after the achievement of RM3 has been remediated prior to topsoil application; • 250 mm of topsoil has been placed over all surfaces following amelioration of subsoils in accordance with the recommendations of an appropriately qualified person; • Slopes greater than 10% have an average rock mulch cover of 30%; • No slopes greater than 10% will have a rock mulch cover exceeding 50%, to facilitate the safe movement of cattle and production of pasture; • Slopes less than 10% do not have a rock mulch cover added;

		• An assessment of soil health and suitability has been completed by an appropriately qualified person to confirm soil is suitable for target vegetation establishment; • Any fertilisers/ameliorants recommended as a result of the soil assessment have been applied at the rate recommended by the appropriately qualified person; and • Contour ripping and/or ploughing (depth of 0.4-0.5 m) has been undertaken after topsoil placement.
RM5	Revegetation	• Seeding has been completed at a rate of 40.7 kg/ha using seed mixes; • Tubestock has been planted in RA2, RA3 and RA4 at a density of 20-100 seedlings/ha; • Any species not establishing after seeding (as identified 12 months after seeding) have been planted as tubestock in RA2, RA3 and RA4 at a density of 20-100 seedlings/ha; and • Supplementary seeding and tubestock planting completed within one year of sites failing to achieve vegetation establishment on initial attempts.
RM6	Land Suitable for the Commencement of Grazing	• Rehabilitated areas have a pasture biomass that is not >10% less than pasture mass on unmined areas within the same soil management unit measured at the same time, as measured under both wet and dry conditions; • All corrective actions recommended by suitably qualified persons in response to erosion or deficient vegetation cover have been implemented; • Rehabilitated areas are to have a land suitability class for cattle grazing of 4 or lower; • No active rill or gully erosion deeper than 15cm present; • Trees are, on average, at least 4 m tall; • Water sources have been installed; and • Stock fencing installation is complete.
RM7	Establishment of Target Vegetation Type	• <i>Eucalyptus crebra</i> and/or <i>Eucalyptus populnea</i> constitute $\geq 21\%$ of the total basal area of woody vegetation on sand plains AND <i>Eucalyptus camaldulensis</i> is to constitute $\geq 33\%$ of the total basal area of woody vegetation along Ripstone Creek and North Creek (Not applicable to RA1); and • Rehabilitated areas have a mean NDVI between 0.1240 and 0.1778.
RM8	Achievement of a Stable PMLU	• All corrective actions recommended by suitably qualified persons in response to erosion or deficient vegetation cover have been implemented; • A suitably qualified person has certified that the final landform is geotechnically stable; • The land suitability class of rehabilitated land is to be 4 or lower for cattle grazing;

		- Rehabilitated areas have a pasture biomass that is not >10% less than pasture mass on unmined areas within the same soil management unit measured at the same time, as measured under both wet and dry conditions; - Landscape function analysis scores for soil stability, infiltration/runoff and nutrient cycling have started to plateau, and the plateau values predicted from sigmoidal curves fitted to the data are equivalent to or exceed values at analogue sites; - Erosion monitoring has been completed; - No active rill or gully erosion deeper than 15cm present; - Grazed land maintains a percentage ground cover of between 50% and 96% on slopes up to 10% and between 70% and 96% on slopes between 10-15%; - Rehabilitated areas have $\leq 0.2\%$ cover of <i>Parthenium hysterophorus</i> AND less than 0.1% cover of <i>Harrisia martinii</i>; - Any other weeds listed under the <i>Biosecurity Act 2014</i> are present in densities of <1 individual per hectare; - Surface water in downstream monitoring locations remains within site-specific water quality monitoring limits detailed in environmental authority EA0002912 in Table F2: Interim contaminant trigger investigation levels; - Groundwater in downstream monitoring locations remains within site-specific water quality monitoring limits detailed in environmental authority EA0002912 in Table E2: Groundwater Quality Limits; - At least 50% of established species show natural recruitment; and - Sites fulfil all other milestone criteria after having experienced at least one “drought” year (defined as having a total rainfall over a 12-month period that falls within the lowest decile recorded at the nearest weather station, Moranbah Airport).
RM9	Fulfilment of all requirements of the agreement with Isaac Regional Council for the construction and commissioning of Saraji Road	Isaac Regional Council (IRC) has notified Vitrinite that the new road alignment is accepted “off maintenance”, in accordance with processes prescribed by the signed compensation agreement between Vitrinite and IRC.
RM10	The infrastructure to be retained meets the conditions of the signed agreement with BHP Mitsubishi Alliance (BMA)	- Monitoring has been undertaken in accordance with the signed agreement and all retained infrastructure is in accordance with the signed agreement; and - BMA accepts responsibility for infrastructure in accordance with a formal written agreement.

END OF PRCP SCHEDULE