

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP - EPML00951013 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: Pacific Silica Pty Ltd

PRCP schedule holder(s)

Name(s)	Registered address
Pacific Silica Pty Ltd 080287814	565 Bestmann Road, NINGI, QLD, 4511

Location details

Location(s)
Mining Lease (ML) ML50064, ML50088, ML50140, ML50156

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

28/02/2023

Date

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

Enquiries:
Mineral Business Centre
PO Box 7230, Cairns QLD 4870
Phone: (07) 4222 5352 0.0.
ESCairns@des.qld.gov.au

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 criteria 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; and
- (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.

END OF CONDITIONS

Section B - Final site design and reference maps

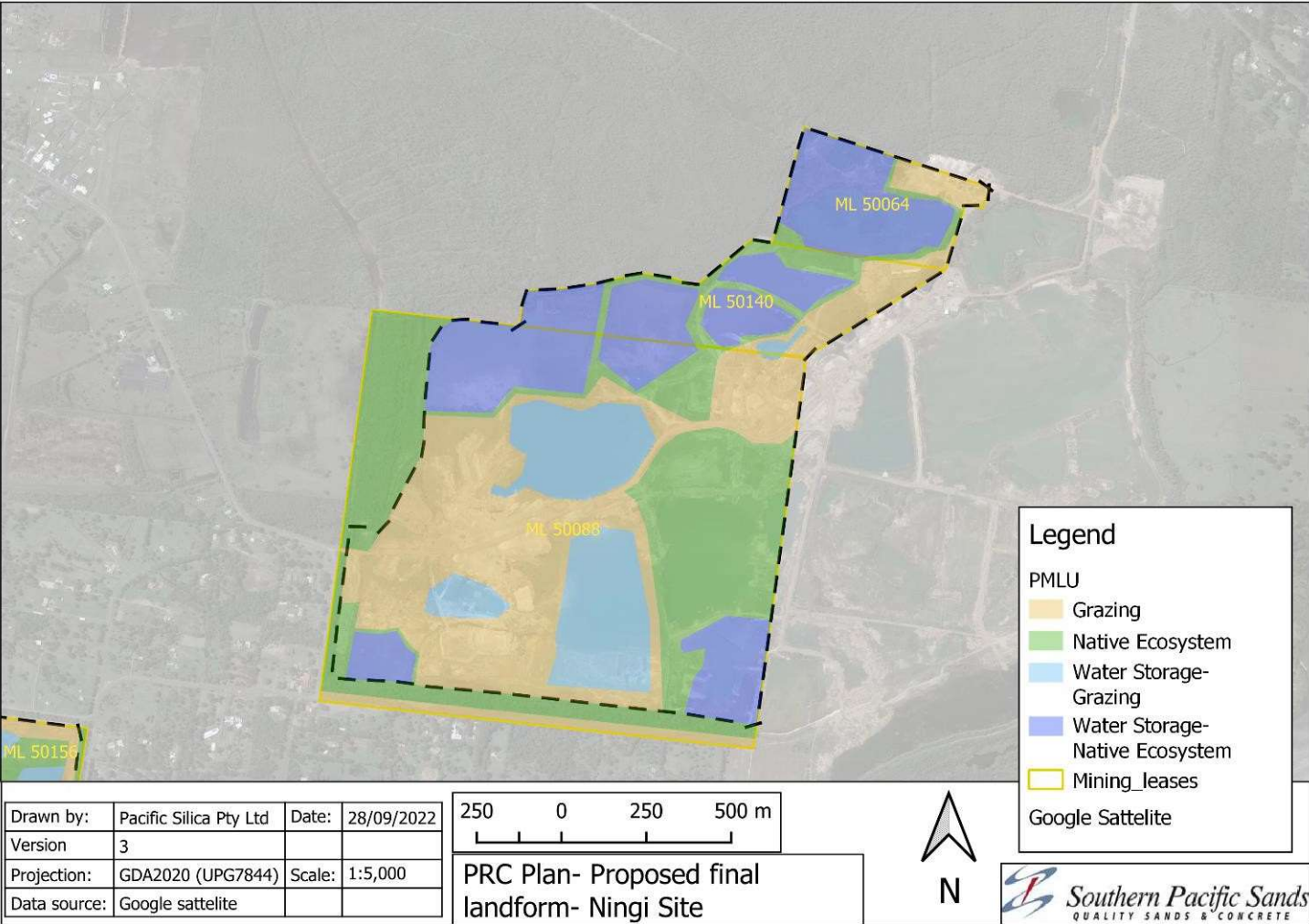


Figure 1- PRCP Schedule- Proposed Final Landform- Ningi Site

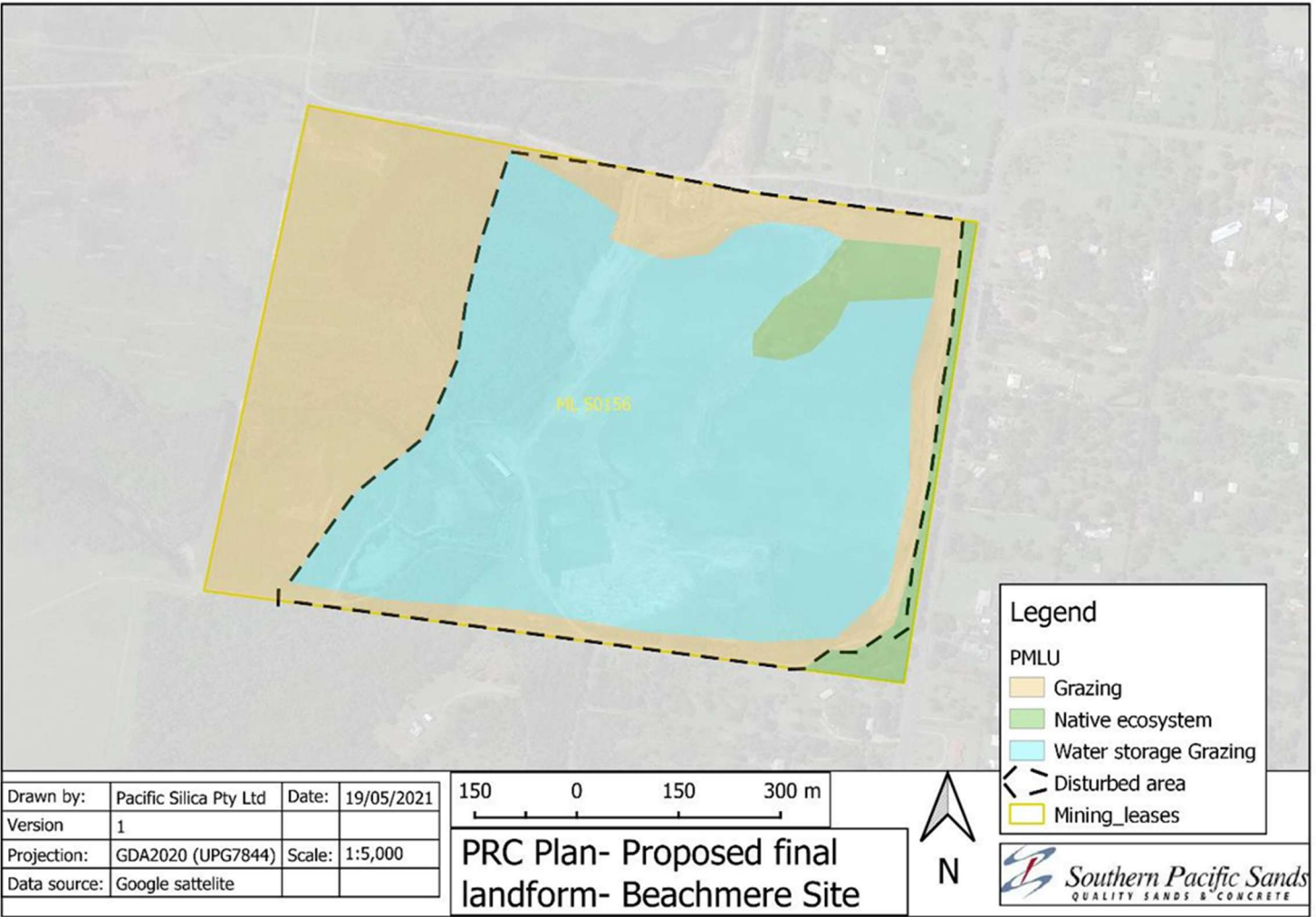


Figure 2 - PRCP Schedule- Proposed Final Landform- Beachmere Site

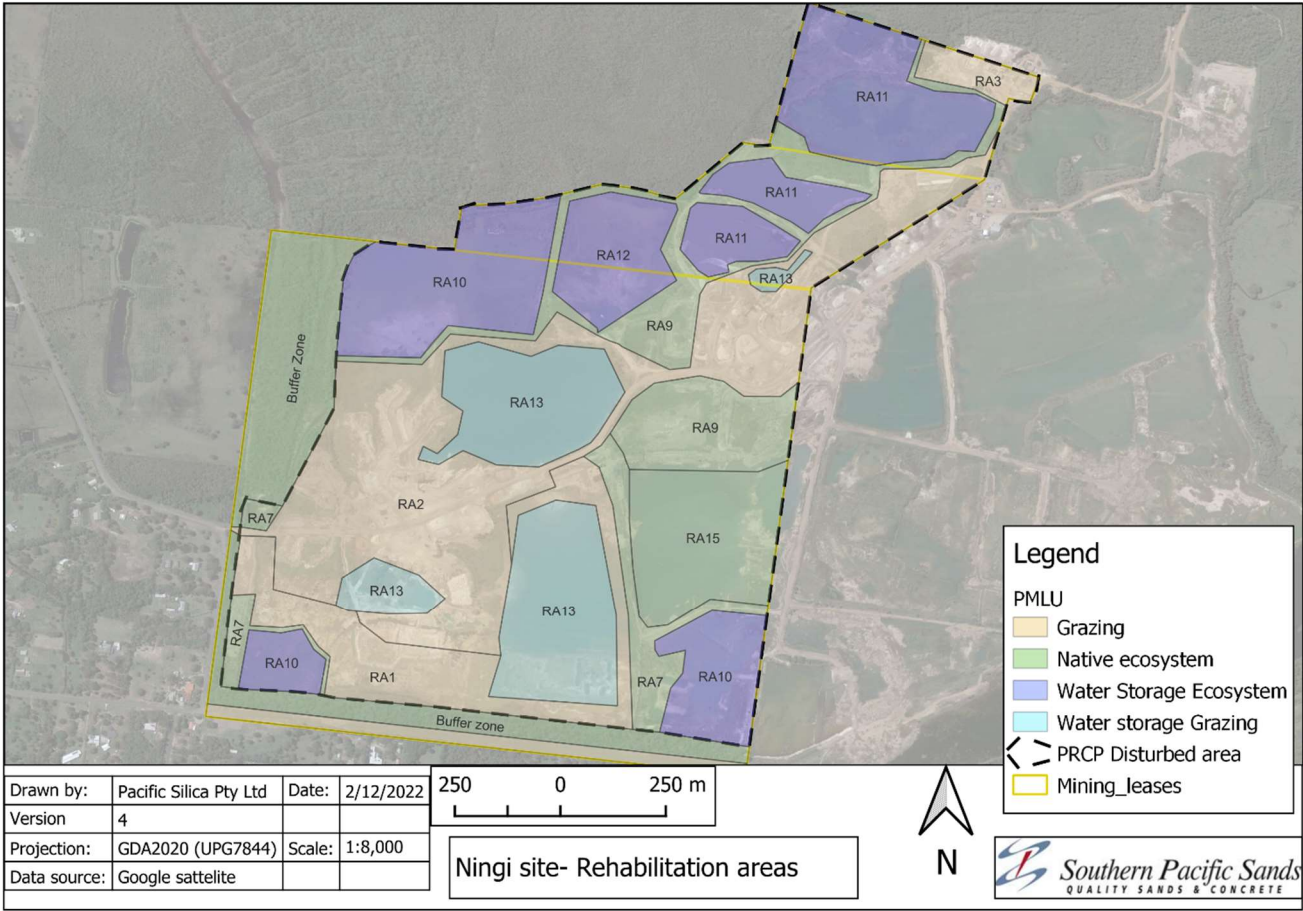


Figure 3. Ningi Site - Rehabilitation areas

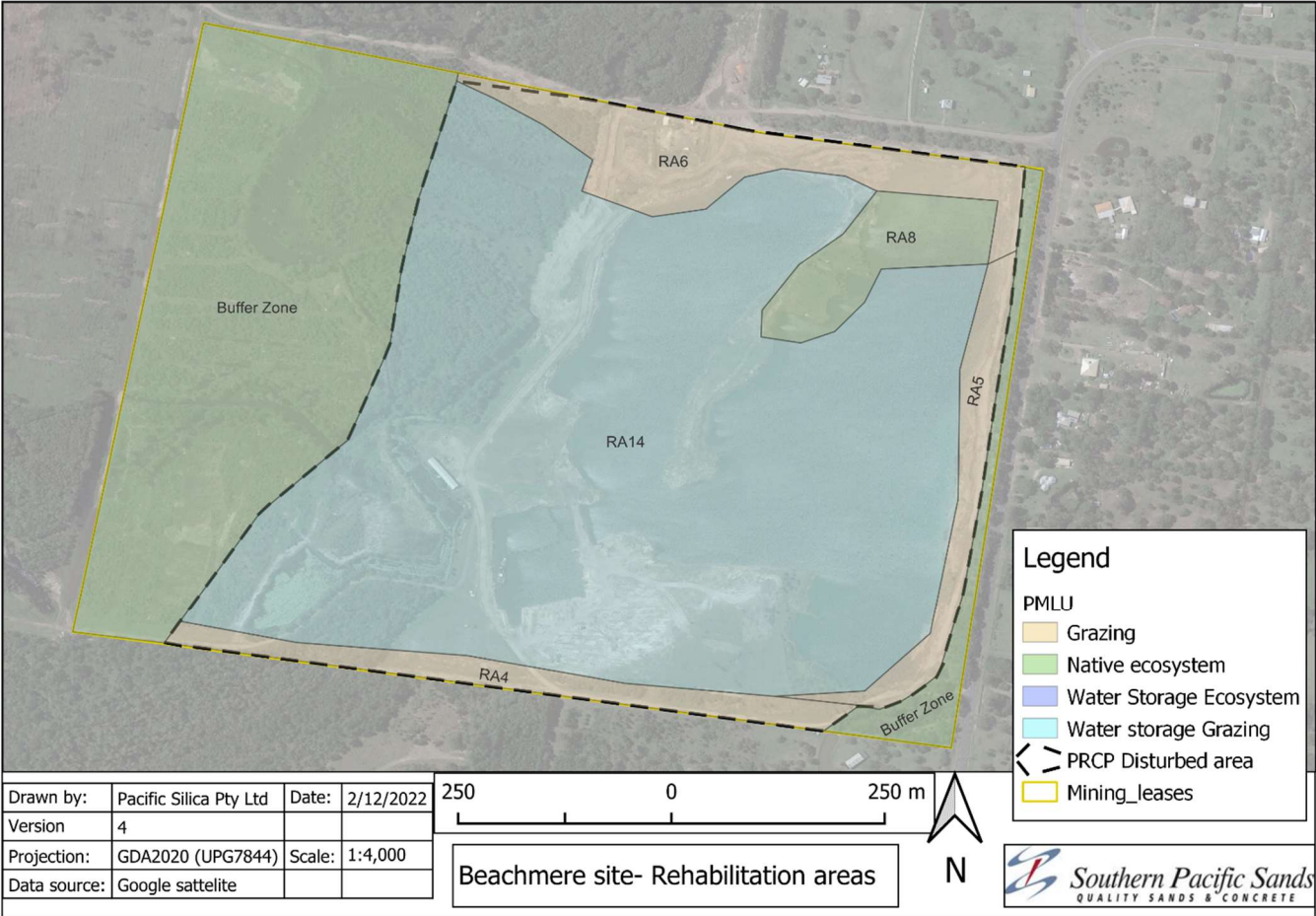


Figure 4 Beachmere Site - Rehabilitation areas

Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)										
Rehabilitation area	RA1									
Relevant activities	Extractive area (pit 4, pit 3)									
Total rehabilitation area size (ha)	13.8 ha									
Commencement of first milestone: RM1	01/04/2023									
PMLU	Grazing									
Date area is available	10/12/23	10/12/25	10/12/28							
Cumulative area available (ha)	1.2	8.7	13.8							
Milestone completed by	10/12/24	10/12/26	10/12/28	10/12/29	10/12/2031	10/12/34	10/12/36	10/12/2039		
Milestone Reference	Cumulative area achieved (ha)									
RM1	1.2	8.7		13.8						
RM3	1.2	8.7		13.8						
RM4		1.2	8.7		13.8					
RM5		1.2	8.7		13.8					
RM6		1.2	8.7		13.8					
RM7				1.2	8.7	13.8				
RM8						1.2	8.7	13.8		

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)										
Rehabilitation area				RA2						
Relevant activities				Operational area- processing, sales pads, access roads						
Total rehabilitation area size (ha)				42.5						
Commencement of first milestone: RM1				1/04/2045						
PMLU				Grazing						
Date area is available	10/12/45									
Cumulative area available (ha)	42.5									
Milestone completed by	10/12/47	10/12/49	10/12/52	10/12/2057						
Milestone Reference	Cumulative area achieved (ha)									
RM1	42.5									
RM3	42.5									
RM4		42.5								
RM5		42.5								
RM6		42.5								
RM7			42.5							
RM8				42.5						

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)										
Rehabilitation area				RA3						
Relevant activities				Dryplant- Processing plant						
Total rehabilitation area size (ha)				2.3						
Commencement of first milestone: RM1				1/04/2048						
PMLU				Grazing						
Date area is available	10/12/48									
Cumulative area available (ha)	2.3									
Milestone completed by	10/12/50	10/12/2052	10/12/55	10/12/60						
Milestone Reference	Cumulative area achieved (ha)									
RM1	2.3									
RM3	2.3									
RM4		2.3								
RM5		2.3								
RM6		2.3								
RM7			2.3							
RM8				2.3						

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)										
Rehabilitation area				RA4						
Relevant activities				Beachmere Southern Buffer						
Total rehabilitation area size (ha)				2						
Commencement of first milestone: RM1				1/12/2025						
PMLU				Grazing						
Date area is available	1/12/25	10/12/32								
Cumulative area available (ha)	0.9	2								
Milestone completed by	10/12/26	10/12/28	10/12/31	10/12/33	10/12/35	10/12/36	10/12/2040			
Milestone Reference	Cumulative area achieved (ha)									
RM1	0.9			2						
RM3	0.9			2						
RM4		0.9			2					
RM5		0.9			2					
RM6		0.9			2					
RM7			0.9		2					
RM8						0.9	2			

RA5) Rehabilitation area 5

Post-mining land uses (PMLU)										
Rehabilitation area			RA5							
Relevant activities			Extraction area- Haul/mining perimeter							
Total rehabilitation area size (ha)			2.1							
Commencement of first milestone: RM1			10/12/2026							
PMLU			Grazing							
Date area is available	10/12/26	10/12/35								
Cumulative area available (ha)	0.5	2.1								
Milestone completed by	10/12/27	10/12/29	10/12/36	10/12/38	10/12/2032	10/12/2037	10/12/41	10/12/46		
Milestone Reference	Cumulative area achieved (ha)									
RM1	0.5		2.1							
RM3	0.5		2.1							
RM4		0.5		2.1						
RM5		0.5		2.1						
RM6		0.5		2.1						
RM7					0.5		2.1			
RM8						0.5		2.1		

RA6) Rehabilitation area 6

Post-mining land uses (PMLU)										
Rehabilitation area				RA6						
Relevant activities				Operations- Pump station 1, haul road, electrical control room						
Total rehabilitation area size (ha)				4.2						
Commencement of first milestone: RM1				1/04/2035						
PMLU				Grazing						
Date area is available	1/12/35									
Cumulative area available (ha)	4.2									
Milestone completed by	10/12/37	10/12/39	10/12/42	10/12/47						
Milestone Reference	Cumulative area achieved (ha)									
RM1	4.2									
RM3	4.2									
RM4		4.2								
RM5		4.2								
RM6		4.2								
RM7			4.2							
RM8				4.2						

RA7) Rehabilitation area 7

Post-mining land uses (PMLU)											
Rehabilitation area				RA7							
Relevant activities				Pit 15, Pit 4, Pit 8 Extractive areas							
Total rehabilitation area size (ha)				6.9							
Commencement of first milestone: RM1				10/04/2023							
PMLU				Native Ecosystem							
Date area is available	10/12/23	10/12/24		10/12/26							
Cumulative area available (ha)	1.1	1.6		6.9							
Milestone completed by	10/12/24	10/12/25	10/12/27	10/12/28	10/12/29	10/12/30	10/12/31	10/12/34	10/12/40	10/12/41	10/12/44
Milestone Reference	Cumulative area achieved (ha)										
RM1	1.1	1.6			6.9						
RM3	1.1	1.6			6.9						
RM4			1.6	1.1			6.9				
RM5			1.6	1.1			6.9				
RM6			1.6	1.1			6.9				
RM7						1.6	1.1	6.9			
RM8									1.6	1.1	6.9

RA8) Rehabilitation area 8

Post-mining land uses (PMLU)										
Rehabilitation area				RA8						
Relevant activities				Extraction area- Dredge site North east						
Total rehabilitation area size (ha)				2.4						
Commencement of first milestone: RM1				1/04/2027						
PMLU				Native ecosystem						
Date area is available	10/12/27									
Cumulative area available (ha)	2.4									
Milestone completed by	10/12/28	10/12/30	10/12/33	10/12/43						
Milestone Reference	Cumulative area achieved (ha)									
RM1	2.4									
RM3	2.4									
RM4		2.4								
RM5		2.4								
RM6		2.4								
RM7			2.4							
RM8				2.4						

RA9) Rehabilitation area 9

Post-mining land uses (PMLU)										
Rehabilitation area			RA9							
Relevant activities			Operations area- Wetplant processing area							
Total rehabilitation area size (ha)			17.7							
Commencement of first milestone: RM1			10/12/2037							
PMLU			Native ecosystem							
Date area is available	10/12/37	10/12/40								
Cumulative area available (ha)	7.4	17.7								
Milestone completed by	10/12/38	10/12/45	10/12/46	10/12/48	10/12/48	10/12/51	10/12/58	10/12/61		
Milestone Reference	Cumulative area achieved (ha)									
RM1	7.4		17.7							
RM3	7.4		17.7							
RM4		7.4		17.7						
RM5		7.4		17.7						
RM6		7.4		17.7						
RM7					7.4	17.7				
RM8							7.4	17.7		

RA10) Rehabilitation area 10

Post-mining land uses (PMLU)												
Rehabilitation area				RA10								
Relevant activities				Pit 1, Pit 4 & Pit 14 extractive area								
Total rehabilitation area size (ha)				21.8								
Commencement of first milestone: RM1				1/4/2024								
PMLU				Water storage- Native ecosystem								
Date area is available	10/12/24	10/12/26	10/12/28									
Cumulative area available (ha)	1.4	15.6	21.8									
Milestone completed by	10/12/25	10/12/27	10/12/29	10/12/30	10/12/31	10/12/32	10/12/34	10/12/40	10/12/42	10/12/44		
Milestone Reference	Cumulative area achieved (ha)											
RM1	1.4	15.6	21.8									
RM3	1.4	15.6	21.8									
RM4		1.4	15.6		21.8							
RM5		1.4	15.6		21.8							
RM6		1.4	15.6		21.8							
RM7				1.4		15.6	21.8					
RM8								1.4	15.6	21.8		

RA11) Rehabilitation area 11

Post-mining land uses (PMLU)										
Rehabilitation area				RA11						
Relevant activities				Process water storage- pit 5, pit 19N, Pit 19S, Pit 10						
Total rehabilitation area size (ha)				18.6						
Commencement of first milestone: RM1				10/12/2045						
PMLU				Water storage- Native ecosystem						
Date area is available	10/12/45									
Cumulative area available (ha)	18.6									
Milestone completed by	10/12/47	10/12/49	10/12/52	10/12/62						
Milestone Reference	Cumulative area achieved (ha)									
RM1	18.6									
RM3	18.6									
RM4		18.6								
RM5		18.6								
RM6		18.6								
RM7			18.6							
RM8				18.6						

RA12) Rehabilitation area 12

Post-mining land uses (PMLU)										
Rehabilitation area	RA12									
Relevant activities	Temporary storage pit									
Total rehabilitation area size (ha)	6.9									
Commencement of first milestone: RM1	10/12/2045									
PMLU	Water Storage- Native Ecosystem									
Date area is available	10/12/45									
Cumulative area available (ha)	6.9									
Milestone completed by	10/12/47	10/12/49	10/12/52	10/12/57						
Milestone Reference	Cumulative area achieved (ha)									
RM1	6.9									
RM2	6.9									
RM4		6.9								
RM5		6.9								
RM6		6.9								
RM7			6.9							
RM8				6.9						

RA13) Rehabilitation area 13

Post-mining land uses (PMLU)										
Rehabilitation area	RA13									
Relevant activities	Extraction area- Pit 3. Process water – Pits 2, 6 and Laterite Pit									
Total rehabilitation area size (ha)	14.5									
Commencement of first milestone: RM1	1/04/2029									
PMLU	Water Storage- Grazing									
Date area is available	10/12/2029	10/12/45								
Cumulative area available (ha)	11.7	24.5								
Milestone completed by	10/12/30	10/12/32	10/12/35	10/12/45	10/12/47	10/12/49	10/12/52	10/12/62		
Milestone Reference	Cumulative area achieved (ha)									
RM1	11.7				24.5					
RM2	11.7				24.5					
RM4		11.7				24.5				
RM5		11.7				24.5				
RM6		11.7				24.5				
RM7			11.7				24.5			
RM8				11.7				24.5		

RA14) Rehabilitation area 14

Post-mining land uses (PMLU)										
Rehabilitation area				RA14						
Relevant activities				Extraction area- Beachmere						
Total rehabilitation area size (ha)				41.3						
Commencement of first milestone: RM1				10/12/2035						
PMLU				Water Storage- Grazing						
Date area is available	10/12/35									
Cumulative area available (ha)	41.3									
Milestone completed by	10/12/36	10/12/38	10/12/41	10/12/51						
Milestone Reference	Cumulative area achieved (ha)									
RM1	41.3									
RM2	41.3									
RM4		41.3								
RM5		41.3								
RM6		41.3								
RM7			41.3							
RM8				41.3						

RA15) Rehabilitation area 15

Post-mining land uses (PMLU)												
Rehabilitation area				RA15								
Relevant activities				Operations area								
Total rehabilitation area size (ha)				11.7								
Commencement of first milestone: RM1				10/12/2032								
PMLU				Native ecosystem								
Date area is available	10/12/32	10/12/42	10/12/44									
Cumulative area available (ha)	4	8	11.7									
Milestone completed by	10/12/34	10/12/42	10/12/44	10/12/45	10/12/48	10/12/51	10/12/52	10/12/55	10/12/2055	10/12/61	10/12/65	
Milestone Reference	Cumulative area achieved (ha)											
RM1	4		8	11.7								
RM2	4		8	11.7								
RM9		4			11.7		8					
RM5		4			11.7		8					
RM6		4			11.7		8					
RM7				4		11.7		8				
RM8								4		11.7	8	

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure Decommissioning and removal	a) all services that are not required to support the post mining land use have been disconnected and removed; b) all concrete, bitumen and gravel removed; c) all pipelines drained and removed; d) all fencing that is not part of the post mining land use is removed; e) all buildings demolished and/or removed; f) all machinery and equipment removed; g) all surface water drainage infrastructure that is not retained in the final landform removed; and h) all rubbish removed.
RM2	Fines neutralisation and temporary storage pit	Fines neutralisation a) Fines are to be treated with a neutralising agent. b) An assessment of potential sulfidic activity is to be completed at a nationally accredited laboratory to confirm that all residual acidity within the soil /sediment has been treated. Sampling regimes of the soil and sediment are as follows: i. 0.5- 2%S – 1 per 500m³ ii. >2% S – 1 per 250m³. c) Net acidity will be zero or post neutralisation the sediment pH (pHKCl) must be >6.5 d) Minimum of 2m of water maintained above sediments in water storage . e) Sample material at pit base to a depth of 1m where possible. f) Acidity hazard assessment to be conducted. g) Sediments throughout pit exhibit no actual or retained acidity h) Where actual or retained acidity is observed further treatment via dredge/inline dosing system is to occur (in line with RM3) until above criteria can be met.
RM3	Remediation of contaminated land and water	a) Hazard assessment of course reject and soil materials indicates <0.03%S equiv Net Acidity in materials in each rehabilitation area. b) Where Hazard assessment identifies >0.03% S equivalent, substrate must be treated with suitable neutralizing agent, and verified (as per

		section 5.4.6) to have a net acidity of zero (<LOR), and a soil pH (pHKCl) greater than 6.5. c) Subsoil samples to meet PMLU specific completion criteria (Table 3) d) Water Storage PMLU only: i. Groundwater and surface water quality will not exceed criteria outlined throughout Table 2 ii. Sediment quality will not exceed criteria outlined in Table 5. iii. Minimum of 2m of water maintained above sediments in water storage
RM4	Reshaping and Landform Development	a) All earthworks (excluding topsoil placement) are to be completed as per the final landform design; b) Batters are to be <20% (as per landform design guidelines) c) Erosion rate <5 tonne/ha/year d) Surface smooth and free of physical hazards e) Certification from an appropriately qualified person that bunds have been installed and maintained around the site that prevent flood flow from a 1% AEP event
RM5	Surface Preparation	a) Topsoil applied over whole disturbance footprint area to thickness of not less than 100mm b) Rehabilitation areas throughout the whole disturbance footprint to be ripped to a suitable depth c) A contaminated land survey carried out by an appropriately qualified person indicates that no contamination unsuitable for the PMLU is occurring d) An assessment of the need for soil amelioration undertaken and soil ameliorants such as fertiliser, gypsum, trace elements and/or organic matter have been applied at rates determined by an appropriately qualified person e) <5t/ha/year predicted erosion (figures 18, 19 & 20 in appendix 9) f) Topsoil meets suitability criteria (Table 4)
RM6	Revegetation	a) Completed seeding at a rate of (refer to Table 1): i. 15.3kg/ha (Grazing); ii. 6.6kg/ha (Native ecosystems); iii. 3.3kg/ha (Water storage); and/or, b) Tubestock planted at a density of: i. >200 stems/ha (Grazing); ii. 2500 stems/ha (Native ecosystems)

RM7	Establishment of target vegetation	a) For all PMLUs, species used in RM6 remain present and show signs of reproduction and recruitment. b) Native Ecosystem PMLU: i. >600 stems/ha canopy density ii. comprise >100 stems/ha primary Koala food trees AND iii. >150 stems/ha secondary koala food trees AND iv. >100 stems/ha Glossy Back Cockatoo (GBC) preferred food trees AND v. She-oaks with the potential to become GBC 'feed trees' must contribute to ≥50% of the she-oaks established; AND vi. Koalas, GBC, and/or Echidna are observed in rehabilitated Native Ecosystem PMLUs o vii. Shrub density >2,500 stems/ha viii. Richness and abundance of prohibited and restricted invasive flora at rehabilitation areas is <reference sites. c) Grazing PMLU: i. Ground cover >90% ii. Richness and abundance of prohibited and restricted invasive flora at rehabilitation areas is <reference sites d) Water storage Native Ecosystems: i. 'Fringing Vegetation Index' (see Wetland Assessment Technique v3.6) values calculated at Rehabilitation Areas are > than values calculated at reference sites ii. Richness and abundance of prohibited and restricted invasive flora rehabilitation areas is <reference sites.
RM8	Achievement of stable final landform	a) Landscape Function Analysis (LFA) indices observed in land based PMLU rehabilitation areas will display ongoing transition toward that of respective analogue sites that have not been mined, and have achieved the following; i. Ephemeral drainage line assessment - no active rill or gully erosion >15cm depth to be present ii. Infiltration index->70% iii. Stability index-> 75% iv. Nutrient cycling index->60% b) LFA indices observed in water storage PMLU (riparian areas) rehabilitation areas will display ongoing transition toward that of respective analogue sites that have not been mined, and have achieved the following; i. Ephemeral drainage line assessment-no active rill or gully erosion >15cm depth to be present

		ii. Infiltration index->80% iii. Stability index->70% iv. Nutrient cycling index->70% c) Grazing PMLU i. Richness and abundance of prohibited and restricted invasive flora at rehabilitation areas is < reference sites ii. Pasture mass (DM-t/ha) in ungrazed rehabilitation sites to be > pasture mass in ungrazed reference sites (at time of monitoring) iii. Pasture composition: 1. Legumes (>20%) 2. Productive and perennial grasses (>60%) 3. Annual grass and broadleaf weeds (<10%) 4. Bare ground (<10%) d) Physio-chemical Surface water quality in retained water voids and groundwater quality will achieve the following utilising a monitoring program which consists of quarterly sampling (from the surface and 1.5m water depth) for a period of 5 years: . i. turbidity: <50 NTU ii. suspended solids: <6 mg/L iii. chlorophyll a: <5µg/L iv. total nitrogen: <500µg/L v. oxidised N: <60µg/L vi. ammonia N: <20 µg/L vii. organic N: <420µg/L viii. total phosphorus:<50µg/L ix. filterable reactive phosphorus (FRP): <20 µg/L x. dissolved oxygen: 85 – 110% saturation xi. pH: 6.5 – 8.0* xii. aluminium:<27 µg/L⁻¹ <i>*Wallum/tannin-stained waters contain naturally high levels of humic acids (and have a characteristic brown ti-tree stain). In these types of waters, natural pH values may range from 3.6 to 6. Where evidence can be provided that waters within specific rehabilitation areas represent waters described in this footnote revised pH target (3.6-6) will be applied.</i> e) Surface water and groundwater analysis to include Cl to SO₄ ratio which must be less than 4 in order to demonstrate that there is no residual oxidisable sulfur throughout the landform f) Physio-chemical quality throughout retained water voids will achieve values throughout Table 5
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		g) A minimum of 2m of water is maintained above sediments in water storage
RM9	Capping of verified Fines	a) Hazard assessment of capping material indicates <0.03% S-equiv. Net Acidity in materials of each rehabilitation area b) Where Hazard assessment identifies >0.03% S-equiv., substrate must be treated with suitable neutralising agent, and verified to have a net acidity of zero, and a soil pH (pHKCl) greater than 6.5. c) Capping layer to consist of minimum 300mm clay/subsoil material with a minimum 500mm thickness including growth media. d) The capping layer material to be applied to the verified fines will achieve a hydraulic conductivity of $<1 \times 10^{-8}$ m/s.

Table 1. Proposed re-seeding application rates

PMLU	Trees & shrubs	Rate (kg/ha)	Pasture/Groundcover	Rate (kg/ha)	Total rate (kg/ha)
Grazing	<i>Corymbia intermedia</i>	0.10	<i>Capillipedium spicigerum</i>	1	15.3
	<i>Eucalyptus tereticornis</i>	0.2	<i>Dicanthium sericeum</i>	1	
	<i>Melaleuca quinquenervia</i>	0.1	<i>Heteropogon contortus</i>	0.5	
	<i>Acacia disparrima</i>	0.05	<i>Kennedia rubicunda</i>	0.2	
	<i>Acacia leiocalyx</i>	0.05	<i>Microlaena stipoides</i>	1	
	<i>Dodonaea triquetria</i>	0.1	<i>Themeda australis</i>	1	
	<i>Hibiscus diversifolius</i>	0.15	<i>Chloris gayana</i>	5	
	TOTAL	0.8	<i>Echinochloa esculenta</i>	1	
			<i>Panicum maximum</i>	1.4	
			<i>Macroptilium atropurpureum</i>	0.5	
			<i>Trifolium repens</i>	0.4	
			<i>Stylosanthes guianensis</i>	1	
			<i>Chameacrista rotundifolia</i>	0.5	
			TOTAL	14.5	
	<i>Angophora floribunda</i> / <i>Angophora woodsiana</i>	0.2	<i>Bothriochloa bladhii</i>	1	
	<i>Corymbia intermedia</i>	0.1	<i>Heteropogon contortus</i>	1	
	<i>Eucalyptus tereticornis</i> / <i>Eucalyptus seeana</i> / <i>Eucalyptus robusta</i>	0.5	<i>Kennedia rubicunda</i>	0.5	
	<i>Lophostemon confertus</i>	0.1	<i>Lomandra longifolia</i>	1	

Native Ecosystems	<i>Melaleuca quinquenervia</i>	0.1	<i>Leersia hexandra</i>	0.5	6.6
	<i>Allocasuarina littoralis</i>	0.1	<i>Themeda australis</i>	1	
	<i>Acacia leiocalyx</i> / <i>Acacia melanoxylon</i>	0.2			
	<i>Alphitonia excelsa</i>	0.1			
	<i>Glochidion ferdinandi</i>	0.1			
	<i>Dodonaea triquetria</i>	0.1			
	<i>Trema tomentosa</i>	0.1			
	TOTAL	1.6	TOTAL	5	
Water Storage	<i>Eucalyptus robusta</i> / <i>Eucalyptus seeana</i> / <i>Eucalyptus tereticornis</i>	0.4	<i>Juncus kraussii</i>	0.5	3.3
	<i>Melaleuca quinquenervia</i>	0.2	<i>Juncus usitatus</i>	0.5	
	<i>Banksia robur</i>	0.1	<i>Leersia hexandra</i>	1	
	<i>Glochidion sumatranum</i>	0.1	<i>Lepironia articulata</i>	0.5	
	TOTAL	0.8	TOTAL	2.5	

Table 2. RM3 Surface water and groundwater quality milestone criteria

Parameter	Milestone Criteria
Turbidity	<50 NTU
Suspended solids	<6 mg/L
Chlorophyll a	<5 µg/L
Total nitrogen	<500 µg/L
Oxidised N	<60 µg/L
Ammonia N	<20 µg/L
Organic N	<420 µg/L
Total phosphorus	<50 µg/L
Filterable reactive phosphorus (FRP)	<20 µg/L
Dissolved oxygen	85 – 110% saturation
pH	3.6 – 6.0
Parameter	Completion Criteria
Aluminium	<5mg/L

Table 3. RM3 Subsoil milestone criteria

Parameter	Criteria	
	Grazing	Native Ecosystem
pH	>5.0	
Electrical conductivity (µS/cm)	<3000	
Copper (ppm)	<560	<190
Nickel (ppm)	<270	<45
Iron (ppm)	<138	
Zinc (ppm)	<400	<90
Aluminium (ppm)	<58	
Acidity Hazard (%S-equiv.)	<0.03% (or evidence of neutralisation)	
No evidence/history of hydrocarbon spill or other contaminant release.		

Table 4. RM5 Growth media suitability milestone criteria

Native Ecosystem		
Parameter	Criteria	Source
pH	>5.0 and <8.5	Reference Benchmark
Organic carbon (%)	>1	
Electrical conductivity (1:5 soil water ratio µS/cm)	<1,000	
Nitrate (ppm)	>2.0	
Total Nitrogen (%)	>0.15	
Iron (ppm)	<138	
Aluminum (ppm)	<58	
Copper (ppm)	<190	NEPM 1999 (Schedule B1) – EIL
Nickel (ppm)	<45	
Zinc (ppm)	<90	

Table 5. RM8 Physio-chemical sediment milestone criteria

Type of toxicant	Toxicant	DGV	GV-high
Metals (mg/kg dry weight) ^a	Antimony	2.0	25
	Cadmium	1.5	10
	Chromium	80	370
	Copper	65	270
	Lead	50	220
	Mercury	0.15	1.0
	Nickel	21	52
	Silver	1.0	4.0
	Zinc	200	410
Metalloids (mg/kg dry weight) ^a	Arsenic	20	70
Organometallics (µg/kg dry weight, 1% OC) ^{c, d}	Tributyltin (as Tin)	9.0	70
Organics (µg/kg dry weight, 1% OC) ^{b, c}	Total PAHs ^e	10,000	50,000
	Total DDT	1.2	5.0
	p,p'-DDE	1.4	7.0
	o,p'- + p,p'-DDD	3.5	9.0
	Chlordane	4.5	9.0
	Dieldrin ^f	2.8	7.0
	Endrin ^f	2.7	60
	Lindane	0.9	1.4
	Total PCBs	34	280
Organics (mg/kg dry weight) ^b	TPHs ^g	280	550

END OF **PRCP** SCHEDULE