

Template

Environmental Protection Act 1994

PRCP schedule template (Word)

This template can be used for completing a PRCP schedule for the submission of a progressive rehabilitation and closure plan (PRC plan).

1 General Instructions

- This form or ERS/2019/5103 must be used for completing a proposed PRCP schedule for the submission of a progressive rehabilitation and closure plan (PRC plan).
- See the PRCP schedule section of the PRC plan guideline (ESR/2019/4964) for further information requirements.

Rehabilitation area (RA) and improvement area (IA) table

- Each RA and IA table contains two parts (yellow and blue) for recording the time-based rehabilitation milestones.
- A default value of one (1) RA is represented by one RA table below (RA1).
 - To record additional RAs for your project, make a copy of the RA table below and update it to the relevant RA number (.e.g., RA2).
- A default value of one (1) IA is represented by one IA table below (IA1).
 - To record additional IAs for your project make a copy of the IA table below and update it to the relevant IA number (e.g., IA2).
 - Delete the IA table below if there is no IA for your project.
- Add a new column or row to each table as required for your information requirements.

RA milestones and IA milestones

- Two (2) separate tables below exist for recording the "Rehabilitation area milestones" and "Improvement area milestones".
 - Delete the Improvement area milestones table if it does not apply to your project.
 - Delete additional rows in either table if they do not apply to your project.
 - See the PRC plan guideline for a list of reference milestones and further information for developing additional site-specific milestones where appropriate.



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2 Further Instructions when inputting Post-Mining Land Uses (PMLUs)

Headings under RA table

- Rehabilitation area - The rehabilitation area must align with the reference maps included in the rehabilitation planning part of the PRC plan and the spatial data submitted with the application. This area must have the same PMLU and same milestones applied to the whole area.
- Relevant activities - The relevant activities must align with the activities identified in the rehabilitation planning part of the PRC plan. The relevant activities are those undertaken within the rehabilitation area prior to land becoming available for rehabilitation.
- Total size of rehabilitation area (ha) - Total size of rehabilitation area in hectares.
- First milestone reference to commence - The milestone number for the first milestone to commence must be specified. This will often be RM1 but may be a later milestone if RM1 (or later milestones) does not apply to the RA.
- Commencement of first milestone - The applicant must nominate a date for when the first milestone for the rehabilitation area will commence.
- PMLU - The PMLU must align with those identified in the rehabilitation planning part of the PRC plan including the proposed final site design and the spatial data submitted with the application.
- Date area is available - The PRCP schedule must identify when land within the rehabilitation area becomes available for rehabilitation. If the whole rehabilitation area becomes available at once there should be only one date. If the rehabilitation areas become available progressively there should be multiple dates. These dates should reflect the information provided in the rehabilitation planning part of the PRC plan.
- Cumulative area available (ha) - The PRCP schedule must identify the area of land within the rehabilitation area that will become available at a given time.
- Milestone completed by - The PRCP schedule must identify completion dates for milestones to be completed. All completion dates must be 10 December of the relevant year, as required in section 4.1 step 7 of the PRCP Guideline.
- Cumulative area achieved (ha) - The PRCP schedule must show how progressive rehabilitation is being achieved over the life of the mine. This section must reflect the proposed rehabilitation work required for the rehabilitation area to achieve stable condition. The milestone reference to be included refers back to the Rehabilitation Area Milestones table with the detailed milestone criteria. The milestones must be achieved consecutively.

Headings under Rehabilitation Area Milestones table

- Rehabilitation milestone & Milestone criteria - The "rehabilitation milestone" is a short description of the rehabilitation activities. The "milestone criteria" must be written in a manner that delivers on SMART principles and demonstrate achievement of the milestone.

3 Further Instructions when inputting Non-Use Management Areas (NUMAs)

Headings under Improvement Area (IA) tables

- Improvement area - The improvement area must align with the reference maps included in the rehabilitation planning part of the PRC plan and the spatial data submitted with the application. This area must have the same NUMA and same milestones applied to the whole area.
- Relevant activities - The relevant activities must align with the activities identified in the rehabilitation planning part of the PRC plan. The relevant activities are those undertaken within the improvement area prior to land becoming available for improvement.
- Total size (ha) - Total size of improvement area in hectares.

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- First milestone reference to commence - The milestone number for the first milestone to commence must be specified. This will often be MM1 but may be a later milestone if MM1 (or later milestones) does not apply to the IA, or if earlier milestones were achieved prior to the commencement of the PRCP schedule.
- Commencement of first milestone - The applicant must nominate a date for when the first milestone for the improvement area will commence.
- NUMA - The NUMA must align with those identified in the rehabilitation planning part of the PRC plan including the proposed final site design and the spatial data submitted with the application.
- Date area is available - The PRCP schedule must identify when land within the improvement area becomes available for improvement. If the whole improvement area becomes available at once there should be only one date. If the improvement areas become available progressively there should be multiple dates. These dates should reflect the information provided in the rehabilitation planning part of the PRC plan.
- Cumulative area available (ha) - The PRCP schedule must identify the area of land within the improvement area that will become available at a given time.
- Milestone completed by - The PRCP schedule must identify completion dates for milestones to be completed.
- Cumulative area achieved (ha) - The PRCP schedule must show how progressive improvement is being achieved over the life of the mine. This section must reflect the proposed management work required for the improvement area to achieve sufficient improvement. The milestone reference refers back to the Improvement Area Milestones table with the detailed milestone criteria. The milestones must be achieved consecutively.

Headings under Improvement Area Milestones table

- Management milestone & Milestone criteria - The "management milestone" is a short description of the management activities. The "milestone criteria" must be able to demonstrate achievement of the milestone.

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Conditions

PRCP	Condition
PRCP1	With respect to groundwater: a) The monitoring bores listed in PRC plan Table 76: Groundwater monitoring locations must be installed by 2050; b) Following monitoring bore installation, groundwater quality must be monitored six monthly at, but not limited to, bores specified in PRC plan Table 76: Groundwater monitoring locations; c) The holder must develop site-specific groundwater quality limits for the bores listed in PRC plan Table 76: Groundwater monitoring locations; d) The groundwater model and water balance model must be recalibrated and predictions rerun at least every 5 years commencing from 2050.
PRCP2	With respect to groundwater: a) Groundwater quality results for compliance bores have not exceeded the site-specific groundwater quality limits developed in accordance with the Queensland Water Quality Guidelines, for 3 consecutive results within the 5-year period immediately prior to surrender; b) Predictive groundwater modelling as per the Australian Groundwater Modelling Guidelines (current version), undertaken at the completion of all mining, confirms the network of residual voids will collectively develop into groundwater sinks and prevent environmental harm through the release of contaminants from the void lakes beyond the tenure boundaries post-closure.
PRCP3	With respect to surface water: a) The holder must install monitoring infrastructure, where required, at the relevant surface water monitoring locations specified in PRC plan Table 75: Surface water monitoring locations, prior to the completion of surface preparations (RM4/5/6) for the entire site; b) Following completion of RM4/5/6 for the entire site, surface water quality must be monitored at the locations specified in PRC plan Table 75: Surface water monitoring locations at least once per month when flows at the downstream gauging station record 1m³/second, when safe to collect samples; c) The holder must develop site-specific surface water quality limits for the watercourses listed in PRC plan Table 75: Surface water monitoring locations.
PRCP4	With respect to surface water: a) Surface water quality monitored as per PRCP3(b) must not exceed the site-specific surface water quality limits derived in accordance with the Queensland Water Quality Guidelines, within the 5-year period immediately prior to surrender;

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	b) If the surface water quality exceeds criteria PRCP4(a), the applicable upstream site must be compared to the downstream site result; and quality result measured at a downstream site must be equal to or less than the quality result measured at the applicable upstream site.
PRCP5	Where the surface water quality at the downstream site exceeds the upstream site result as per PRCP4(b), an AQP must complete an assessment of the cause of the exceedance and risk of rehabilitation not achieving a stable condition within the schedule timeframe and: a) Where there is a low risk to achieving a stable condition from the mining tenure (ML1782, ML70126, ML70127, ML70325, ML70328, ML70350, ML70369, ML70370, ML70410), then no further action is to be taken; or b) Where there is a risk greater than low to achieve a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented. c) The EA holder will be non-compliant with PRCP4, if PRCP5(b) is triggered more than 3 times over 5 consecutive years prior to surrender and PRCP4 is reset. d) The assessment/s under PRCP5 must be completed and provided to the administering authority within 6 months of receiving the relevant sampling results.

Definitions

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.
Groundcover	anything in contact with the soil surface, for example, live cover, standing dry cover, organic litter (including leaves, hay, woody debris) or rocks
Index of Diversion Condition method	For watercourse rehabilitation not within a diversion (i.e. crossings/culverts), a modified IDC method with a reduced number of monitoring points within each reach will be used

PART 1: Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)										
Rehabilitation area				RA1						
Relevant activities				Spoil Dumps						
Total rehabilitation area size (ha)				3824						
Commencement of first milestone: RM3				10/12/2024						
PMLU				Woodland Habitat						
Date area is available	10/12/2024	10/12/2029	10/12/2034	10/12/2039	10/12/2044	10/12/2049	10/12/2054	10/12/2059	10/12/2064	10/12/2069
Cumulative area available (ha)	172	365	557	636	737	855	979	1085	1205	1340
Milestone completed by	10/12/2029	10/12/2034	10/12/2039	10/12/2044	10/12/2049	10/12/2054	10/12/2059	10/12/2064	10/12/2069	10/12/2074
Milestone Reference	Cumulative area achieved (ha)									
RM3	172	365	557	636	737	855	979	1085	1205	1340
RM5	172	365	557	636	737	855	979	1085	1205	1340
RM8	172	365	557	636	737	855	979	1085	1205	1340
RM11			172	365	557	636	737	855	979	1085
RM14					172	365	557	636	737	855

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Post-mining land uses (PMLU)										
Rehabilitation area				RA1						
Relevant activities				Spoil Dumps						
Total rehabilitation area size (ha)				3824						
Commencement of first milestone: RM3				10/12/2024						
PMLU				Woodland Habitat						
Date area is available	10/12/2074	10/12/2079	10/12/2084	10/12/2089	10/12/2094	10/12/2099				
Cumulative area available (ha)	1518	1755	1875	2095	2958	3824				
Milestone completed by	10/12/2079	10/12/2084	10/12/2089	10/12/2094	10/12/2099	10/12/2104	10/12/2109	10/12/2114	10/12/2119	10/12/2124
Milestone Reference	Cumulative area achieved (ha)									
RM3	1518	1755	1875	2095	2958	3824				
RM5	1518	1755	1875	2095	2958	3824				
RM8	1518	1755	1875	2095	2958	3824				
RM11	1205	1340	1518	1755	1875	2095	2958	3824		
RM14	979	1085	1205	1340	1518	1755	1875	2095	2958	3824

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(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)										
Rehabilitation area				RA2						
Relevant activities				Creek Diversions and Crossings						
Total rehabilitation area size (ha)				261						
Commencement of first milestone: RM1				10/12/2057						
PMLU				Watercourse						
Date area is available	10/12/2057	10/12/2060					10/12/2099	10/12/2102		
Cumulative area available (ha)	180	197					250	261		
Milestone completed by	10/12/2060	10/12/2063	10/12/2070	10/12/2073	10/12/2080	10/12/2083	10/12/2102	10/12/2104	10/12/2112	10/12/2114
Milestone Reference	Cumulative area achieved (ha)									
RM1	180	197					250	261		
RM3	180	197					250	261		
RM6	180	197					250	261		
RM9	180	197					250	261		
RM12			180	197					250	261
RM15					180	197				

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Post-mining land uses (PMLU)										
Rehabilitation area				RA2						
Relevant activities				Creek Diversions and Crossings						
Total rehabilitation area size (ha)				261						
Commencement of first milestone: RM1				10/12/2057						
PMLU				Watercourse						
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2122	10/12/2124								
Milestone Reference	Cumulative area achieved (ha)									
RM1										
RM3										
RM6										
RM9										
RM12										
RM15	250	261								

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(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)										
Rehabilitation area				RA3						
Relevant activities				Infrastructure Areas - MIA, workshop, dams, roads and general infrastructure						
Total rehabilitation area size (ha)				1070						
Commencement of first milestone: RM1				10/12/2098						
PMLU				Cattle Grazing						
Date area is available	10/12/2098	10/12/2101								
Cumulative area available (ha)	717	1070								
Milestone completed by	10/12/2101	10/12/2103	10/12/2111	10/12/2113	10/12/2115	10/12/2121	10/12/2123	10/12/2125	10/12/2128	10/12/2130
Milestone Reference	Cumulative area achieved (ha)									
RM1	717	1070								
RM2			598	951		1070				
RM3				598	951		1070			
RM4				598	951		1070			
RM7				598	951		1070			
RM10							598	951		
RM13									598	951

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Post-mining land uses (PMLU)										
Rehabilitation area				RA3						
Relevant activities				Infrastructure Areas - MIA, workshop, dams, roads and general infrastructure						
Total rehabilitation area size (ha)				1070						
Commencement of first milestone: RM1				10/12/2098						
PMLU				Cattle Grazing						
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2133	10/12/2138								
Milestone Reference	Cumulative area achieved (ha)									
RM1										
RM2										
RM3										
RM4										
RM7										
RM10	1070									
RM13		1070								

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(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)										
Rehabilitation area				RA4						
Relevant activities				Roads, creek corridor areas, exploration and general infrastructure						
Total rehabilitation area size (ha)				1549						
Commencement of first milestone: RM1				10/12/2034						
PMLU				Woodland Habitat						
Date area is available	10/12/2034				10/12/2059				10/12/2099	
Cumulative area available (ha)	356				543				1549	
Milestone completed by	10/12/2036	10/12/2039	10/12/2049	10/12/2059	10/12/2076	10/12/2079	10/12/2089	10/12/2099	10/12/2100	10/12/2103
Milestone Reference	Cumulative area achieved (ha)									
RM1	356				543				1549	
RM3		356				543				1549
RM5		356				543				1549
RM8		356				543				1549
RM11			356				543			
RM14				356				543		

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Post-mining land uses (PMLU)										
Rehabilitation area				RA4						
Relevant activities				Roads, creek corridor areas, exploration and general infrastructure						
Total rehabilitation area size (ha)				1549						
Commencement of first milestone: RM1				10/12/2034						
PMLU				Woodland Habitat						
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2113	10/12/2123								
Milestone Reference	Cumulative area achieved (ha)									
RM1										
RM3										
RM5										
RM8										
RM11	1549									
RM14		1549								

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(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)										
Rehabilitation area				RA7						
Relevant activities				Existing Rehabilitation						
Total rehabilitation area size (ha)				361						
Commencement of first milestone: RM10				10/12/2024						
PMLU				Cattle Grazing						
Date area is available	10/12/2024									
Cumulative area available (ha)	361									
Milestone completed by	10/12/2034	10/12/2039								
Milestone Reference	Cumulative area achieved (ha)									
RM10	361									
RM17		361								

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(RA10) Rehabilitation area 10

Post-mining land uses (PMLU)										
Rehabilitation area				RA10						
Relevant activities				Existing Rehabilitation						
Total rehabilitation area size (ha)				63						
Commencement of first milestone: RM8				10/12/2024						
PMLU				Woodland Habitat						
Date area is available	10/12/2024	10/12/2024								
Cumulative area available (ha)	46	63								
Milestone completed by	10/12/2024	10/12/2026	10/12/2034	10/12/2036	10/12/2044	10/12/2046				
Milestone Reference	Cumulative area achieved (ha)									
RM8	46	63								
RM11			46	63						
RM18					46	63				

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(RA12) Rehabilitation area 12

Post-mining land uses (PMLU)										
Rehabilitation area				RA12						
Relevant activities				Roper area - Spoil Dumps						
Total rehabilitation area size (ha)				557						
Commencement of first milestone: RM2				10/12/2034						
PMLU				Woodland Habitat						
Date area is available	10/12/2034									
Cumulative area available (ha)	557									
Milestone completed by	10/12/2042	10/12/2045	10/12/2052	10/12/2055	10/12/2062	10/12/2065				
Milestone Reference	Cumulative area achieved (ha)									
RM2	263	557								
RM3	263	557								
RM5	263	557								
RM8	263	557								
RM11			263	557						
RM14					263	557				

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(RA13) Rehabilitation area 13

Post-mining land uses (PMLU)										
Rehabilitation area				RA13						
Relevant activities				Roper area - Spoil Dumps						
Total rehabilitation area size (ha)				542						
Commencement of first milestone: RM2				10/12/2034						
PMLU				Cattle Grazing						
Date area is available	10/12/2034	10/12/2042								
Cumulative area available (ha)	246	542								
Milestone completed by	10/12/2042	10/12/2045	10/12/2052	10/12/2055	10/12/2057	10/12/2060				
Milestone Reference	Cumulative area achieved (ha)									
RM2	246	542								
RM3	246	542								
RM4	246	542								
RM7	246	542								
RM10			246	542						
RM13					246	542				

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(RA14) Rehabilitation area 14

Post-mining land uses (PMLU)										
Rehabilitation area				RA14						
Relevant activities				Roper area - Infrastructure Areas - Murphy's dam, haulroad and general infrastructure						
Total rehabilitation area size (ha)				90						
Commencement of first milestone: RM1				10/12/2034						
PMLU				Cattle Grazing						
Date area is available	10/12/2034									
Cumulative area available (ha)	90									
Milestone completed by	10/12/2037	10/12/2057	10/12/2060	10/12/2070	10/12/2075					
Milestone Reference	Cumulative area achieved (ha)									
RM1	90									
RM2		90								
RM3			90							
RM4			90							
RM7			90							
RM10				90	90					
RM13					90					

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(RA15) Rehabilitation area 15

Post-mining land uses (PMLU)										
Rehabilitation area				RA15						
Relevant activities				Roper area - Roads, creek corridor areas, exploration and general infrastructure						
Total rehabilitation area size (ha)				515						
Commencement of first milestone: RM1				10/12/2034						
PMLU				Woodland Habitat						
Date area is available	10/12/2034									
Cumulative area available (ha)	515									
Milestone completed by	10/12/2036	10/12/2039	10/12/2049	10/12/2059						
Milestone Reference	Cumulative area achieved (ha)									
RM1	515									
RM3		515								
RM5		515								
RM8		515								
RM11			515							
RM14				515						

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(RA16) Rehabilitation area 16

Post-mining land uses (PMLU)										
Rehabilitation area				RA16						
Relevant activities				Roper area - Tailings Storage Facility and Coal Rejects Dump						
Total rehabilitation area size (ha)				157						
Commencement of first milestone: RM1				10/12/2034						
PMLU				Grassland						
Date area is available	10/12/2034									
Cumulative area available (ha)	157									
Milestone completed by	10/12/2037	10/12/2057	10/12/2062	10/12/2072	10/12/2077					
Milestone Reference	Cumulative area achieved (ha)									
RM1	157									
RM2		157								
RM3			157							
RM4			157							
RM7			157							
RM19				157						
RM20					157					

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(RA17) Rehabilitation area 17

Post-mining land uses (PMLU)										
Rehabilitation area				RA17						
Relevant activities				Roper area - Existing Rehabilitation						
Total rehabilitation area size (ha)				483						
Commencement of first milestone: RM10				10/12/2024						
PMLU				Cattle Grazing						
Date area is available	10/12/2024									
Cumulative area available (ha)	483									
Milestone completed by	10/12/2034	10/12/2039								
Milestone Reference	Cumulative area achieved (ha)									
RM10	483									
RM17		483								

(RA18) Rehabilitation area 18

Post-mining land uses (PMLU)										
Rehabilitation area				RA18						
Relevant activities				Roper area - Existing Rehabilitation						
Total rehabilitation area size (ha)				43						
Commencement of first milestone: RM8				10/12/2024						
PMLU				Woodland Habitat						
Date area is available	10/12/2024									
Cumulative area available (ha)	43									
Milestone completed by	10/12/2026	10/12/2036	10/12/2046							
Milestone Reference	Cumulative area achieved (ha)									
RM8	43									
RM11		43								
RM18			43							

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(RA19) Rehabilitation area 19

Post-mining land uses (PMLU)										
Rehabilitation area				RA19						
Relevant activities				Progressively Certified Rehabilitation						
Total rehabilitation area size (ha)				294						
Commencement of first milestone:				Rehabilitation has been progressively certified by DESI						
PMLU				Cattle Grazing						
Date area is available										
Cumulative area available (ha)										
Milestone completed by										
Milestone Reference	Cumulative area achieved (ha)									

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Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	RM1.1 All infrastructure to be retained onsite must be safe, stable and not cause environmental harm. RM1.2 All infrastructure and services to be retained onsite must have a signed landholder statement, declaring that they will accept responsibility for the infrastructure (except for those items in RM1.3). RM1.3 Below-ground infrastructure, services and waste (as per the Environmental Authority (EPML00865013) waste schedule) deeper than 0.5m in relation to the final landform surface can be retained provided it can meet the following: RM1.3(a) All pipelines have been drained. RM1.3(b) All below-ground infrastructure (installed after the approval date of this transitional PRCP) to be retained must be mapped. RM1.4 With the exception of RM1.2 and RM1.3 above, the following are complete: RM1.4(a) All services disconnected, terminated and removed. RM1.4(b) All buildings and associated infrastructure dismantled and removed. RM1.4(c) All hardstand, concrete areas and roads (bitumen, blue metal, aggregate) removed. RM1.4(d) All pipelines drained and removed. RM1.4(e) All waste, not authorised under the Environmental Authority (EPML00865013) waste schedule, removed. RM1.4(f) All surface water drainage infrastructure removed. RM1.4(g) All drillholes, bores, sediment ponds and sumps decommissioned. RM1.4(h) All machinery and equipment not required for rehabilitation works removed from site. RM1.4(i) Mine water dams are decommissioned. RM1.4(j) Watercourse crossings and culverts removed. RM1.5 Assessment of mine water dams is completed by an AQP and identified sediment and water management actions are completed.
RM2	Remediation and/or management of contaminated land	RM2.1 Contaminated Land Investigation Document completed in accordance with the <i>Environmental Protection Act 1994</i>, including a site investigation report, and, where required, a Validation Report and/or a draft Site Management Plan. RM2.2 The Contaminated Land Investigation Document confirms the area within the mining leases (ML1782, ML70126, ML70127, ML70325, ML70328, ML70350, ML70369, ML70370, ML70410) does not present an unacceptable risk to the post-mining land use.

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		RM2.3 Despite RM2.1 and RM2.2, where contaminated land investigations are undertaken for individual areas of progressive rehabilitation that do not cover an entire Lot on Plan, the investigations will be undertaken by a Suitably Qualified Person to a standard, that at the time of investigation, would be suitable to form part of a future <i>Environmental Protection Act 1994</i> compliant Contaminated Land Investigation Document for that property, and does not need to achieve all requirements for a contaminated land submission to the administering authority.
RM3	Landform development and reshaping	<u>Spoil Dumps (RA1, RA12)</u> RM3.1 Landforms reshaped with maximum 30% slopes. RM3.2 >15% slopes to be covered with minimum 0.5m rock. <u>Tailings Storage Facilities and rejects (RA16)</u> RM3.3 Tailings and rejects to be capped with at least 2m of competent benign spoil. RM3.4 Landforms to be non-ponding. RM3.5 Landforms are reshaped with slopes not exceeding 30%. RM3.6 >15% slopes to be covered with minimum 0.5m rock, unless an alternative is justified by an AQP. RM3.7 AQP certifies that as constructed landform achieves design criteria for geotechnical stability with a FoS ≥ 1.5. <u>Watercourses (RA2)</u> RM3.8 Disturbed natural watercourse bed and banks returned to a profile similar to the pre-disturbance condition. <u>Other areas</u> RM3.9 Landforms are reshaped with slopes not exceeding 12% (RA3, RA13, RA14). RM3.10 Landforms are reshaped with slopes not exceeding 15% (RA4, RA15).
RM4	Surface preparation (cattle grazing and grassland)	RM4.1 Topsoil placed at minimum depth of 150mm in areas where topsoil has previously been removed. RM4.2 Assessment of growth media characteristics is completed by an AQP. RM4.3 Ameliorant and physical treatments are applied as identified in RM4.2. RM4.4 Rip at least 300mm into soil/subsoil profile along contour of slopes.
RM5	Surface preparation (woodland habitat)	RM5.1 Topsoil placed at minimum depth of 100mm or alternative growth media at minimum depth of 300mm, in areas where topsoil has previously been removed. RM5.2 Assessment of growth media characteristics is completed by an AQP. RM5.3 Ameliorant and physical treatments are applied as identified in RM5.2. RM5.4 Rip at least 300mm into soil/subsoil profile along contour of slopes.

Template
PRCP schedule template (Word)

RM6	Surface preparation (watercourse)	RM6.1 Topsoil placed at minimum depth of 150mm in areas where topsoil has previously been removed. RM6.2 Assessment of growth media characteristics is completed by an AQP. RM6.3 Ameliorant and physical treatments are applied as identified in RM6.2. RM6.4 Rip at least 300mm into soil/subsoil profile along contour of slopes.
RM7	Revegetation (cattle grazing and grassland)	RM7.1 Completed seeding in accordance with PRC plan Table 41: Recommended species list and seeding rates for cattle grazing and grassland PMLUs.
RM8	Revegetation (woodland habitat)	RM8.1 Completed seeding in accordance with PRC plan Table 43: Recommended species list and seeding rates for woodland habitat PMLU (RA1, RA12), or as recommended by an AQP if vegetation is targeting a regional ecosystem (RA4, RA15) ¹ . <i>¹Seed application may not be required in all RA4 and RA15 areas.</i> <i>*If recommended species are not available, substitute with species from RE 11.4.2, RE 11.4.13, RE 11.5.2, RE 11.5.3 and RE 11.10.7</i>
RM9	Revegetation (watercourse)	RM9.1 Completed seeding in accordance with PRC plan Table 44: Recommended species list and seeding rates for watercourse PMLU – upper and mid banks and PRC plan Table 45: Recommended species list and seeding rates for watercourse PMLU – lower banks.
RM10	Achievement of surface requirements (cattle grazing)	RM10.1 Groundcover: >50%.
RM11	Achievement of surface requirements (woodland habitat)	RM11.1 Groundcover: RM11.1(a) >15% slopes: ≥80%. RM11.1(b) ≤15% slopes: ≥50%.
RM12	Achievement of surface requirements (watercourse)	RM12.1 Geomorphic index score: greater than or equal to upstream or downstream values (Index of Diversion Condition method).
RM13	Achievement of post-mining land use to a stable condition (cattle grazing – RA3, RA13, RA14)	RM13.1 Hazard assessment completed by an AQP to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use. RM13.2 Rehabilitation is assessed as geotechnically stable by an AQP with FoS ≥1.5 (RA13). RM13.3 Groundcover >50%.

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		RM13.4 70% of slopes $\leq 20\%$. RM13.5 Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur (and it is safe to do so) and the results are not significantly different to upstream values for pH, EC, turbidity. RM13.6 Land suitability class ≤ 3, or not different from pre-mining class if ≥ 4, where assessment of rehabilitation is in accordance with Short (2023). RM13.7 <i>Leucaena leucocephala</i> plants >2m high do not exceed stem density of 250 stems per hectare mean of total area.
RM14	Achievement of post-mining land use to a stable condition (woodland habitat – RA1, RA4, RA12, RA15)	RM14.1 Hazard assessment completed by an AQP to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use. RM14.2 Rehabilitation is assessed as geotechnically stable by an AQP with FoS ≥ 1.5 (RA1, RA12). RM14.3 Groundcover: RM14.3(a) >15% slopes: $\geq 80\%$. RM14.3(b) $\leq 15\%$ slopes: $\geq 50\%$. RM14.4 Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur (and it is safe to do so) and the results are not significantly different to upstream values for pH, EC, turbidity. RM14.5 Woodland habitat vegetation meets the following: RM14.5(a) Species richness: trees ≥ 2; shrubs ≥ 3; grasses ≥ 4. RM14.5(b) Tree canopy cover: $\geq 16\%$.
RM15	Achievement of post-mining land use to a stable condition (watercourse – RA2)	RM15.1 Hazard assessment completed by an AQP to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use. RM15.2 Geomorphic index score: greater than or equal to upstream or downstream values (Index of Diversion Condition method). RM15.3 Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur (and it is safe to do so) and the results are not significantly different to upstream values for pH, EC, turbidity. RM15.4 Riparian vegetation index score: greater than or equal to upstream or downstream values (Index of Diversion Condition method).
RM17	Achievement of post-mining land use to a stable condition (cattle grazing existing)	RM17.1 Hazard assessment completed by an AQP to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use. RM17.2 Rehabilitation is assessed as geotechnically stable by an AQP with FoS ≥ 1.5. RM17.3 Groundcover >50%.

Template
PRCP schedule template (Word)

	rehabilitation – RA7, RA17)	RM17.4 70% of slopes $\leq 20\%$. RM17.5 Land condition: assessed as Good (A) or Fair (B) condition using the Grazing Land Management ABCD land condition framework. RM17.6 <i>Leucaena leucocephala</i> plants >2m high do not exceed stem density of 250 stems per hectare mean of total area.
RM18	Achievement of post-mining land use to a stable condition (woodland habitat existing rehabilitation – RA10, RA18)	RM18.1 Hazard assessment completed by an AQP to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use. RM18.2 Rehabilitation is assessed as geotechnically stable by an AQP with FoS ≥ 1.5. RM18.3 Groundcover: RM18.3(a) >15% slopes: $\geq 80\%$. RM18.3(b) $\leq 15\%$ slopes: $\geq 50\%$. RM18.4 Woodland habitat vegetation meets the following: RM18.4(a) Species richness: trees ≥ 2; shrubs ≥ 3; grasses ≥ 4. RM18.4(b) Tree canopy cover: $\geq 16\%$.
RM19	Achievement of surface requirements (grassland)	RM19.1 Groundcover: RM19.1(a) >15% slopes: $\geq 80\%$. RM19.1(b) $\leq 15\%$ slopes: $\geq 50\%$.
RM20	Achievement of post-mining land use to a stable condition (grassland - RA16)	RM20.1 Hazard assessment completed by an AQP to confirm safety hazards in rehabilitation are not significantly different to surrounding unmined landscapes subject to the same land use. RM20.2 Rehabilitation is assessed as geotechnically stable by an AQP with FoS ≥ 1.5. RM20.3 Groundcover: RM20.3(a) >15% slopes: $\geq 80\%$. RM20.3(b) $\leq 15\%$ slopes: $\geq 50\%$. RM20.4 Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur (and it is safe to do so) and the results are not significantly different to upstream values for pH, EC, turbidity. RM20.5 Vegetation: ≥ 2 grass species (exotic or native species).

PART 2: Non-use management areas

(IA1) Improvement area 1

Non-use management area (NUMA)										
Improvement area					IA1					
Relevant activities					Residual voids					
Total size (ha)					1481					
Commencement of first milestone: MM1					10/12/2094					
NUMA					NUMA					
Date area is available	10/12/2094	10/12/2096	10/12/2098	10/12/2100						
Cumulative area available (ha)	265	538	655	1481						
Milestone completed by	10/12/2096	10/12/2098	10/12/2100	10/12/2102	10/12/2138					
Milestone Reference	Cumulative area achieved (ha)									
MM1	265	538	655	1481						
MM2	265	538	655	1481						
MM3					1481					

Template
PRCP schedule template (Word)

(IA2) Improvement area 2

Non-use management area (NUMA)										
Improvement area				IA2						
Relevant activities				Residual voids						
Total size (ha)				454						
Commencement of first milestone: MM1				10/12/2098						
NUMA				NUMA						
Date area is available	10/12/2098									
Cumulative area available (ha)	454									
Milestone completed by	10/12/2100	10/12/2138								
Milestone Reference	Cumulative area achieved (ha)									
MM1	454									
MM2	454									
MM3		454								

Improvement area milestones

Milestone reference	Management milestone	Milestone criteria
MM1	Achievement of structural stability	MM1.1 Highwall landforms must: MM1.1(a) Prevent surface flow of floodwater into the void. MM1.1(b) Be geotechnically stable when floodwater is against the creek-side batter. MM1.1(c) Prevent seepage flow of floodwater into the void. MM1.1(d) Not be constructed with dispersive material. MM1.1(e) Have maximum 30% slopes with rock for scour protection. MM1.2 The final design for highwall landform must be completed by an AQP based on the latest flood modelling and materials data prior to construction. MM1.3 Final residual voids are not subject to inundation from floodwaters up to and including the 0.1% AEP. MM1.4 The high-wall, end-wall and low-wall achieve a FoS ≥ 1.5 within the NUMA extents as determined by an AQP. MM1.5 A minimum distance of 50m is to be designed between the residual void crest and the toe of the safety bund, where against an external perimeter mining lease (ML1782, ML70126, ML70127, ML70325, ML70328, ML70350, ML70369, ML70370, ML70410) boundary or a watercourse. MM1.6 The location of the voids and associated safety bunds does not cause instability or degradation to the land outside of the mining lease (ML1782, ML70126, ML70127, ML70325, ML70328, ML70350, ML70369, ML70370, ML70410) boundary. MM1.7 Low-walls are free-draining into the void lake with a maximum 37 degree slopes. MM1.8 Residual voids must not overtop. MM1.9 Residual voids collectively act as groundwater sinks within the relevant mining lease (ML1782, ML70126, ML70127, ML70325, ML70328, ML70350, ML70369, ML70370, ML70410) boundary post closure as demonstrated by groundwater modelling defined in condition PRCP2.
MM2	Achievement of surface requirements	MM2.1 Competent safety bund or equivalent landform in place to prevent access to the residual void, at the geotechnical set-back distance. MM2.2 Fencing erected, where required to prevent access to the residual void, around the perimeter of the safety bund. MM2.3 Warning signage placed along the fence line (nominally one sign every 100m). MM2.4 A minimum distance of 25m is to be designed between the residual void low-wall crest within the NUMA and the safety bund or equivalent landform in MM2.1.

Template
PRCP schedule template (Word)

MM3	Achievement of sufficient improvement	MM3.1 Certification from an AQP that: MM3.1(a) The residual void is safe to humans and livestock. MM3.1(b) The water level and quality in the void will not cause environmental harm to the surrounding environment, as demonstrated by groundwater level, quality monitoring and modelling. MM3.1(c) Voids retain flood immunity, supported by flood modelling re-run at end of life and calibrated against the final landform. MM3.1(d) The highwall landform has been constructed in accordance with the final design. MM3.1(e) Appropriate safety infrastructure at the geotechnical set-back distance has been installed to prevent access to the NUMA. MM3.1(f) The residual void will not present an unacceptable risk of environmental harm outside of the relevant external perimeter mining lease (ML1782, ML70126, ML70127, ML70325, ML70328, ML70350, ML70369, ML70370, ML70410) boundary. MM3.1(g) Erosion of the landform within the NUMA area will not negatively impact on the stability of any adjacent rehabilitation areas, or their ability to sustain their PMLU. MM3.2 Monitoring and maintenance of exclusion fences and bunds to be carried out to ensure they remain effective.
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PART 3: Maps

The following two maps must be included in the application and will form part of the approved PRCP Schedule (see PRCP Guideline (ESR/2019/4964) for examples). Attach the maps to the application as high-resolution jpeg files.

Final site design

A final site design has the purpose of showing the community what the site will look like post surrender, and must depict:

- All Post Mining Land Uses (PMLU) and Non-Use Management Areas (NUMA) for all land within the relevant resource tenures, including undisturbed land
- Maximum disturbance footprint
- Resource tenure boundaries
- Floodplain extent (if relevant).

Reference map(s)

Reference map(s) have the purpose of showing the boundary of each rehabilitation area (for PMLUs) and improvement area (for NUMAs). Reference maps may contain more than one rehabilitation area/improvement area and must be to a scale that allows for easy interpretation. Only areas of disturbance need to be included on these reference maps.