

Progressive Rehabilitation and Closure Plan Schedule template

Instructions

General Instructions:

- This form can be used for completing a 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.
- A default value of one (1) Rehabilitation Area (RA) is represented by one RA sheets below (RA1).
- A default value of one (1) Improvement Area (IA) is represented by one IA sheet below (IA1).
- To record additional RAs for your project make a copy of the RA sheet below and update it to the relevant RA number (i.e. RA2).
- To record additional IAs for your project make a copy of the IA sheet below and update it to the relevant IA number (i.e. IA2).
- To remove the IA sheet if there is no IA for your project, delete the IA sheet below.
- Each RA and IA sheet contains **two separate excel tables** (yellow and blue) for recording the time-based rehabilitation milestones.
- Add a new column or row to each table as required for your information requirements.
- Two (2) separate sheets below exist for recording the "Rehabilitation Area Milestones" and "Improvement Area Milestones".
- Delete the Improvement Area Milestone sheet if it does not apply to your project.
- Delete additional rows in either sheet 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.

Further Instructions when inputting PMLUs

Headings under Rehabilitation Area (RA) sheets

Rehabilitation area - The rehabilitation area must align with the spatial information included in the rehabilitation planning part of the PRC plan. 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.

Commencement of first milestone - The applicant must nominate a date for when the first milestone for the rehabilitation area will commence. The milestone reference for the first milestone must be included in the heading.

PMLU - The PMLU must align with those identified in the rehabilitation planning part of the PRC plan and in the proposed final site design.

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 becomes 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.

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 sheet with the detailed milestone criteria. The milestones must be achieved consecutively.

Headings under Rehabilitation Area Milestones sheet

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

Further Instructions when inputting NUMAs

Headings under Improvement Area (IA) sheets

Improvement area - The improvement area must align with the spatial information included in the rehabilitation planning part of the PRC plan. 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.

Commencement of first milestone - The applicant must nominate a date for when the first milestone for the improvement area will commence. The milestone reference for the first milestone must be included in the heading.

NUMA - The NUMA must align with those identified in the rehabilitation planning part of the PRC plan and in the proposed final site design.

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 becomes 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 sheet with the detailed milestone criteria. The milestones must be achieved consecutively.

Headings under Improvement Area Milestones sheet

Post-mining land uses (PMLU)										
Rehabilitation area			RA1							
Relevant activities			Existing rehabilitated areas							
Total rehabilitation area size (ha)			94.8							
Commencement of first milestone: RM6			1/06/2026							
PMLU			Native Ecosystem							
Date area is available	1/06/26	10/12/33								
Cumulative area available (ha)	94.8	94.8								
Milestone completed by	10/12/33	10/12/38								
Milestone Reference	Cumulative area achieved (ha)									
RM6	94.8									
RM7		94.8								

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
- 2) Insert new columns to the blue table to match rehabilitation milestone dates.
- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area				RA2a						
Relevant activities				Rehabilitation of infrastructure commenced						
Total rehabilitation area size (ha)				0.1						
Commencement of first milestone: RM2				1/06/2026						
PMLU				Native Ecosystem						
Date area is available	1/06/26	1/12/26	1/02/27	1/03/27	1/06/27	1/12/33				
Cumulative area available (ha)	0.1	0.1	0.1	0.1	0.1	0.1				
Milestone completed by	1/12/26	1/02/27	1/03/27	1/06/27	1/12/33	1/12/38				
Milestone Reference	Cumulative area achieved (ha)									
RM2	0.1									
RM3		0.1								
RM4			0.1							
RM5				0.1						
RM6					0.1					
RM7						0.1				

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
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- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area				RA2						
Relevant activities				Infrastructure to be removed (Bore 2 & 40mm UPVC Piezo)						
Total rehabilitation area size (ha)				0						
Commencement of first milestone: RM1				1/06/2026						
PMLU				Native Ecosystem						
Date area is available	1/06/26	1/12/26	1/06/27	1/03/27	1/05/27	1/06/27	1/12/33			
Cumulative area available (ha)	0	0	0	0	0	0	0			
Milestone completed by	1/12/26	1/02/27	1/03/27	1/04/27	1/06/27	1/12/33	1/12/38			
Milestone Reference	Cumulative area achieved (ha)									
RM1	0									
RM2		0								
RM3			0							
RM4				0						
RM5					0					
RM6						0				
RM7							0			

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
- 2) Insert new columns to the blue table to match rehabilitation milestone dates.
- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area				RA2						
Relevant activities				Infrastructure to be removed (Maintenance workshop)						
Total rehabilitation area size (ha)				0.04						
Commencement of first milestone: RM1				1/06/2026						
PMLU				Native Ecosystem						
Date area is available	1/06/26	10/12/26	1/06/27	1/03/27	1/05/27	1/06/27	1/12/33			
Cumulative area available (ha)	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
Milestone completed by	10/12/26	1/02/27	1/03/27	1/04/27	1/06/27	1/12/33	1/12/38			
	Cumulative area achieved (ha)									
RM1	0.04									
RM2		0.04								
RM3			0.04							
RM4				0.04						
RM5					0.04					
RM6						0.04				
RM7							0.04			

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
- 2) Insert new columns to the blue table to match rehabilitation milestone dates.
- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area			RA3							
Relevant activities			Retained infrastructure (Sealed and unsealed gravel roads, Bore 2 & 3, Energex Supply)							
Total rehabilitation area size (ha)			1.8							
Commencement of first milestone: RM8			1/12/2033							
PMLU			Retained Infrastructure							
Date area is available	1/12/33									
Cumulative area available (ha)										
Milestone completed by	1/12/38									
Milestone Reference	Cumulative area achieved (ha)									
RM8	1.8									

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
- 2) Insert new columns to the blue table to match rehabilitation milestone dates.
- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1. a) All remaining services not required for rehabilitation monitoring and maintenance and not subject to landholder agreements disconnected 1. b) All buildings and associated infrastructure (not subject to landholder agreements) demolished, and removed offsite to an appropriately licensed waste facility 1. c) Hardstands are removed to an appropriately licensed waste facility 1. d) Machinery not required for rehabilitation removed off-site.
RM2	Investigation and/or remediation of contaminated land	2. a) Contaminated land investigation completed by a suitably qualified person 2. b) If required, remediation is carried out including removal, appropriate treatment and / or disposal of contaminated water, soils and materials 2. c) If required, validation testing conducted to confirm that contaminated soils and/or water have been removed and remediated.
RM3	Landform development and reshaping	3. a) Minor earthworks completed and landform constructed in accordance with final engineering and design plans 3. b) Reshaped areas assessed as stable and non-polluting by a suitably qualified person
RM4	Surface preparation	4. a) Topsoil placed to an average depth of 200 mm to reshaped areas 4. b) Application of fertiliser at a rate of 300kg/ha to topsoiled areas if required
RM5	Revegetation (native ecosystem)	5. a) After topsoil application, seeding of target species in accordance with the revegetation plan (Section 7.9.1 of the PRCP RPP) 5. b) Planting of target native tubestock in accordance with revegetation plan (Section 7.9.1 of the PRCP RPP), at a rate of 1650 per ha
RM6	Rehabilitation monitoring and maintenance	6. a) The rehabilitation monitoring program has been implemented for RA1 and RA2 6. b) Reshaped slopes that connect to mined areas to the natural landform within RA1 will meet the following design parameters to ensure long term stability: - Slopes >30% should not exceed 25 m length - Slopes of 20-30% should not exceed 30 m length - Slopes of 10-20% should not exceed 80 m length - Slopes of 5-10% should not exceed 120 m length - Slopes of <5% should not exceed 170 m length. 6. c) Annual monitoring shows no active gullies ¹ >1.0 m depth 6. d) Temporary erosion and Sediment Control Structures, such as non-biodegradable sediment fencing, removed from RA1 6. e) Vegetation monitoring determines that at least one of the significant species present in unmined reference sites is present in rehabilitated areas. Significant species that may be present include: - <i>Boronia rosmarinifolia</i> (forest boronia) (cultural species) - <i>Boronia safrolifera</i> (safrole boronia) (cultural species) - <i>Boronia falcifolia</i> (wallum boronia) (cultural species) 6. f) The index of similarity has increased for 3 consecutive years after the value has reached 50% 6. g) For species comprising more than 15% of the reference areas, the difference in percentage between reference and rehabilitation areas is within ±20% 6. h) A surface water and groundwater quality monitoring program has been implemented
RM7	Achievement of post-mining land use to stable condition (native ecosystem)	7. a) Monitoring shows no active gullies >0.3 m are within RA1 and RA2 7. b) Vegetation monitoring shows that all significant species present in unmined reference sites are present in rehabilitated areas. Significant species that may be present include: - <i>Boronia rosmarinifolia</i> (forest boronia) (cultural species) - <i>Boronia safrolifera</i> (safrole boronia) (cultural species) - <i>Boronia falcifolia</i> (wallum boronia) (cultural species) 7. c) The index of similarity has increased for 3 consecutive years after the value has reached 50%. 7. d) For species comprising more than 15% of the reference areas, the difference in percentage between reference and rehabilitation areas is within ±20% 7. e) Evidence of the return of soil function demonstrated by litter accumulation and incorporation (nutrient cycling) within RA1 7. f) Surface water quality of the Project's receiving waters (at the locations specified in Schedule C - Table 1 of the EA) meets2 the site specific water quality criteria detailed in Schedule C - Table 2 of the EA 7. g) Groundwater quality of the Project's receiving groundwaters (at the locations specified in Schedule C - Table 3 of the EA) meets2 the site specific groundwater quality criteria detailed in Schedule C - Table 4 of the EA 7. h) Groundwater bores decommissioned according to the preferred practices nominated in the 'Minimum Construction Requirements for Water Bores in Australia' (National Uniform Drillers Licensing Committee 2020)
RM8	Achievement of post-mining land use to stable condition (retained infrastructure)	8. a) The Quandamooka Yoolooburrabee Aboriginal Corporation (QYAC) has assumed responsibility for the maintenance of RA3
1. Active and gullies as defined in the Australian Soil and Land Survey Field Handbook (3rd Edition), The National Committee on Soil and Terrain published by CSIRO Publishing 2009. 2. Based on test values collected over a 24 month period prior to completion of this milestone. 1) Insert new rows below the table to record more Rehabilitation Area Milestones for the project 2) Ensure all Rehabiitaiton Milestones recorded in this table align with those included in the RA sheets in this form. 3) See the PRCP guideline before developing site-specific Rehabilitation Area Milestones		

Milestone reference	Management milestone	Milestone criteria
MM1		
MM2		
MM3		
MM4		
MM5		
MM6		
MM7		
MM8		
MM9		
MM10		

- 1) Insert new rows below the table to record more Improvement Area Milestones for the project
- 2) Ensure all Management Milestones recorded in this table align with those included in the IA sheets in this form.
- 3) See the PRCP guideline before developing site-specific Improvement Area Milestones