PRCP schedule

Environmental Protection Act 1994

PRCP schedule P-PRCP-100770697 - Yarrabee Coal Mine

This PRCP schedule is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994*.*

PRCP schedule: P-PRCP-100770697_V1

PRCP schedule holder(s)

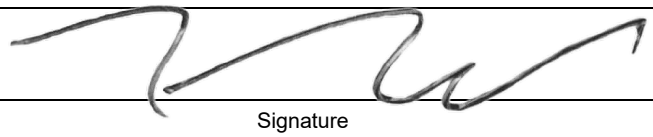
Name(s)	Registered address
Yarrabee Coal Company Pty Ltd	Darling Park Tower 2, Level 18, 201 Sussex Street Sydney, NSW 2000

Location details

Location(s)
Mining Lease (ML) ML80172, ML80049, ML1770, ML80096, ML80195, ML80198, ML80104, ML80196 ML80197, ML80050

Take 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

22 July 2026

Date

Ben Byrd

Department of the Environment, Tourism, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

Business Centre Coal
PO Box 3028, Emerald QLD 4720
Phone: (07) 4987 9320
Email: CRMining@detsi.qld.gov.au

DELIVERING FOR QUEENSLAND | Queensland Government

Obligations under the *Environmental Protection Act 1994*

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

Pursuant to section 285 of the EP Act:

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

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

  (b) each 3-year period starting on the day after the previous audit period ended.
- the holder must, within 4 months after the end of each audit period, give the administering authority -

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

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

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

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

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A - Conditions of PRCP schedule
- Section B – Definitions
- Section C - Final site design and reference maps
- Section D - Post mining land uses
- Section E - Non-use management areas.
- Section F - Attachments

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 for each rehabilitation and improvement area, achieve the corresponding rehabilitation or management milestone criterion (milestone reference):

(a) for the cumulative area available specified in this schedule; and

(b) by the milestone completion date specified in this schedule.

PRCP2 Where land becomes ‘available for rehabilitation’ earlier than the date nominated in this schedule, the holder must:

(a) notify the administering authority in writing within **30 days** of the land becoming ‘available for rehabilitation’;

(b) describe in the notification why or why not it considers that it would be reasonable and appropriate to apply to the administering authority to amend this schedule; and

(c) unless otherwise agreed to by the administering authority in writing, amend this schedule in a way that maximises the progressive rehabilitation to a stable condition within the timeframe specified by the administering authority.

Notes:

1. *Reference to "earlier than the nominated date in the schedule" means a date that is greater than 1 year prior to the date nominated in the schedule.*
2. *The written notification must include precise details of the relevant land area and the date when that land became ‘available for rehabilitation’*
3. *Assessment of land becoming available is undertaken on a nominally annual basis.*
4. *Rehabilitation of land size must be practicable.*

PRCP3 Where an area achieves a rehabilitation or management milestone, the holder must continue to achieve the milestone for that rehabilitation milestone until:

(a) A progressive certification area has satisfied the provisions of section 318ZB (4) of the EP Act; and

(b) A surrender is approved.

PRCP4 The holder must maintain a risk register that identifies the risks to not achieving:

(a) a stable condition for post-mining land uses (PMLU);

(b) sufficient improvement for non-use management areas (NUMA); and

(c) how the risks are being managed or minimised.

PRCP5 The risk register (**PRCP4**) must be reviewed annually and include consideration of the outcomes of PRCP monitoring data.

PRCP6 The holder must carry out monitoring in accordance with:

(a) any requirement under this schedule; and

(b) as necessary to demonstrate achievement of each rehabilitation milestone or management milestone criteria.

PRCP7 The holder must make and keep up to date any evidence and/or records on which the holder relies on to demonstrate the achievement of each rehabilitation milestone criteria in this schedule. Records must be sufficient to demonstrate that these rehabilitation achievements are maintained for the duration of the environmental authority.

PRCP8 Evidence and/or Records made under **PRCP7** must be provided to the administering authority in the specified format within **20 business days** of a written request.

PRCP9 Disturbance due to exploration and minor ancillary activities in areas not planned to be mined and not within a Rehabilitation Area in this Schedule must be rehabilitated in accordance with the provisions detailed in the '*Eligibility criteria and standard conditions for exploration and mineral development projects (ESR/2016/1985)'* or its successor, with the exception that land must be rehabilitated to a stable condition which includes achieving the relevant post mining land use for the disturbance location as detailed in **Figure 1 – Final Site Design** and **Figure 2 – Reference Map**.

PRCP10 An up-to-date closure numerical groundwater model, water balance model (calibrated against site-specific data) and void water quality modelling must be maintained with predictions rerun at least every five years, from the date of approval of the PRCP and within a year of any surrender application.

PRCP11 The holder must, prior to the completion of mining, submit to the administering authority updated long term post-mining prediction numerical modelling for drawdown and groundwater level elevations.

The predictive groundwater modelling as per the Australian Groundwater Modelling Guidelines (current version), confirms:

(a) The residual voids will not cause environmental harm through the release of contaminants from the void lakes beyond the tenure boundaries post-closure; and

(b) Groundwater drawdown will not negatively impact groundwater dependent ecosystems (GDEs) on or surrounding the site.

PRCP12 By **10 December 2028**, the holder must provide to the administering authority an AQP prepared, landform closure design report addressing all relevant structures, including a detailed engineering designs and a durability assessment.

PRCP13 The landform closure design report must at a minimum for the relevant structures include:

(a) Design aims and objectives of final landform, including the cover system and batters;
(b) The intended design life of the component parts of each relevant structure including the cover, plateau, batters, access points, water management, and associated monitoring network;
(c) Quality assurance and quality control required during construction;
(d) How the cover system achieves a performance outcome equivalent to or better than the design provided in the PRC Plan;
(e) How the cover system performance will be demonstrated;
(f) How the design is shaped to be sympathetic to and consistent with the surrounding unmined areas;
(g) How the landform achieves acceptable geotechnical and erosional stability;
(h) How the landform achieves an acceptable water quality outcome;
(i) How redundancy of the monitoring network has been identified and built into the final design;
(j) How the design, including the component parts supports the achievement of the nominated PMLU;
(k) How the design is consistent with the durability assessment;
(l) The critical design elements and associated assessment that support the achievement of a stable condition; and
(m) Where any assumed or inferred material properties have been used in the design or its assessment (inclusive of modelling), detailed discussion justifying why actual/measured properties were not used, how uncertainties regarding material properties may affect performance, and how those uncertainties are managed.

PRCP14 The documents required under **PRCP12** (detailed in **PRCP13**) must be independently peer reviewed.

Both the AQP and independent peer reviewer must provide a certification, that the landform closure design report is fit for purpose, prepared in accordance with good professional practice and if constructed as per the landform closure design report the rehabilitated landform will achieve a stable condition in a post-closure context.

PRCP15 The currency of the landform closure design report must be maintained, and the report updated as often as necessary, to ensure that the relevant structures will achieve a stable condition that can be sustained.

Where the report has been updated, the certifications provided under **PRCP14** must also be provided in relation to the updates.

PRCP16 A flood protection landform design plan and report for any flood protection features must be developed and certified by an RPEQ that demonstrates that the landform will achieve stable condition and provides protection against a **0.1% AEP event** with climate change adjustments considered.

The flood protection landform design plan and report must be provided to the administering authority by **29 July 2028**.

Where significant landform changes occur, the flood protection landform design plan and report must be revised, updated and provided to the administering authority within **6 months** of the change.

PRCP17 By **10 December 2028**, the EA holder must prepare and submit to the administering authority a Functional Design Report for the Twelve Mile Creek diversion. The Functional Design Report must:

(a) be prepared and peer reviewed by a RPEQ;
(b) align with the PMLU identified in the PRCP schedule;
(c) demonstrate that the diversion alignment and final landform design will achieve a stable condition; and

be prepared in accordance with the guideline titled 'Works that interfere with water in a watercourse for a resource activity—watercourse diversions authorised under the *Water Act 2000*' (OSW/2019/4599) (DNRME 2019), or the latest revision of that guideline.

PRCP18 By **10 December 2033**, the EA holder must submit to the administering authority an RPEQ prepared Design Plan for the permanent Twelve Mile Creek diversion in accordance with the Functional Design Report required by **PRCP17**.

PRCP19 By **10 December 2034**, if the updated flood susceptibility and impact assessment or landscape evolution modelling identifies requirements for new flood protection measures or material modifications to existing flood protection landforms or other landform designs, the holder must at the same time submit to the administering authority, an updated AQP prepared and certified Landform Closure Design Report as per the requirements of **PRCP15**.

PRCP20 As required by rehabilitation milestone **RM5.5**, surface water quality must be monitored monthly during measurable flow (i.e. **≥0.46m^3/s**) at, but not limited to, the locations specified in **Attachment 5 – Surface water monitoring locations**, for all quality characteristics listed in **Attachment 6 – Surface water quality limits**.

PRCP21 Surface water quality results, as monitored in accordance with condition **PRCP20** must not exceed the limits specified in **Attachment 6 – Surface water quality limits** within the **5-year period** immediately prior to surrender, unless:

(a) when the applicable upstream site result is compared to the downstream site result, the quality result measured at a downstream site is equal to or less than the quality result measured at the applicable upstream site; or
(b) if on no more than three occasions within the 5 years prior to surrender, an independent AQP completes an assessment of the cause and risk of rehabilitation not achieving a stable condition within the schedule timeframe and provides the assessment to the administering authority within 3 months of receiving the relevant sampling results; and either:
    (i) concludes there is a low risk to achieving a stable condition; or
    (ii) concludes there is a risk greater than low to achieve a stable condition and changes or rectification actions to rehabilitation activities are determined and implemented within **6 months** of the receiving the relevant sampling results.

Note: This condition (b) does not apply if exceedances are more than three occasions in the 5-year period prior to surrender.

PRCP22 As required by rehabilitation milestone **RM5.5**, groundwater quality must be monitored quarterly at, but not limited to, compliance bores specified in **Attachment 7 – Groundwater monitoring bore network**, for all quality characteristics listed in **Attachment 8 – Groundwater quality limits**.

PRCP23 Groundwater quality results as monitored according to condition **PRCP22** must not exceed the limits in **Attachment 8 – Groundwater quality limits**, for **3 consecutive results** within the **5-year** period immediately prior to surrender.

END OF CONDITIONS

Section B - Definitions

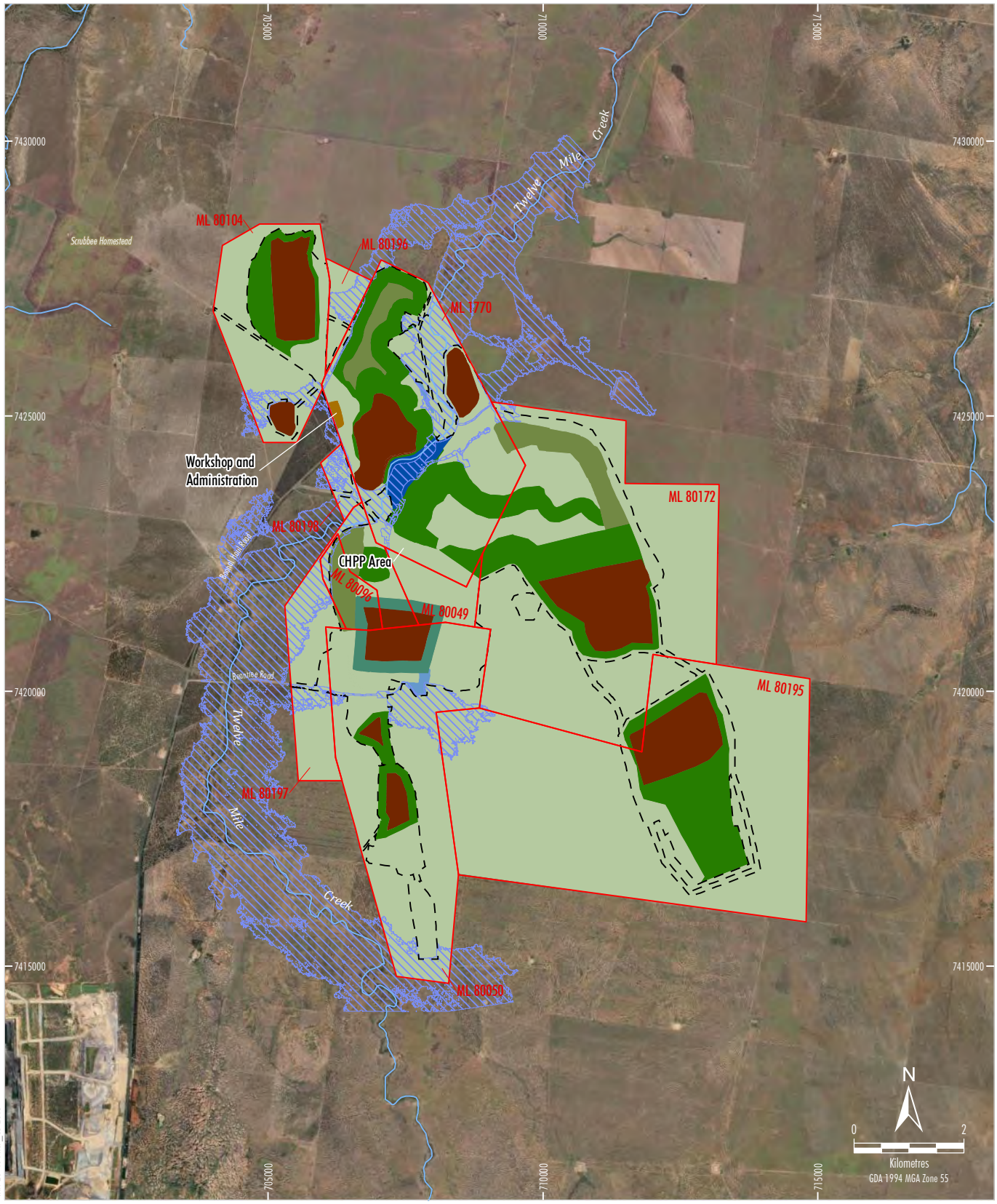
Appropriately qualified person (AQP)	means a person who has professional qualifications, training, skills and experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods or literature.
Activity (EP Regulation)	includes that part, if any, of an activity relating to the following— (a) preparing a place for the activity before carrying out the activity; (b) rehabilitating a place after it has been used for carrying out the activity.
BioCondition	refers to the *BioCondition Assessment Manual* (Eyre, T.J., Kelly, A.L, Neldner, V.J., Wilson, B.A., Ferguson, D.J., Laidlaw, M.J. and Franks, A.J. (2015)) and *BioCondition: A Condition Assessment Framework for Terrestrial Biodiversity in Queensland. Assessment Manual. Version 2.2* (Queensland Herbarium, Department of Science, Information Technology, Innovation and Arts, Brisbane) or later versions thereof.
Contaminants	can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants.
Contaminated Land Auditor	as per the definition of 'auditor' in section 567 of the EP Act.
Environmentally problematic material	means material that will negatively impact water quality and stability or vegetation growth.
Flood stress	is the pressure on structures from rapid water rise, erosion, and saturation during extreme floods, risking instability.
Functional Design report	is a document that contains 'conceptual' information about the design, operation and revegetation criteria of a watercourse diversion that addresses the outcomes stated in the Guideline: Works that interfere with water in a watercourse for a resource activity—watercourse diversions authorised under the *Water Act 2000*.
Growth media	is defined as all soil and soil-like material that will support the final vegetation cover. This includes the topsoil and subsoil where these materials are applied independently. Where the topsoil is incorporated into the underlying subsoil/spoil, topsoil refers to the depth of incorporation and the remaining depth is regarded as subsoil. The total depth of growth media is nominally considered to be the effective plant root zone
Gully	A gully is a channel excavated by water, more than 0.3 m deep.
Independent AQP	is an AQP who is a third party who is able to demonstrate a sufficient level of independence from the PRCP schedule holder, the site and any technical material generated that is the subject of the review, to satisfy a reasonable person that they have no conflict of interest on the subject matter of the review.
Independently peer reviewed	means a peer reviewer who is a third-party to the PRCP schedule holder and the AQP whose report is being reviewed and substantiated and is able to demonstrate a sufficient level of independence from the PRCP schedule holder, the site and any technical material generated that is the subject of the review and is able to satisfy a reasonable person that they have no conflict of interest on the matter that is the subject of the review. The peer reviewer must also be an AQP and documentation provided must contain sufficient detail to allow for independent technical review and substantiation and provide and justify site-specific landform performance (SMART) criteria

Measurable flow	Measurable flow is any flow ≥0.46m^3/s
Minor ancillary activities	Minor ancillary activities include support works not within a Rehabilitation Area. These may include, but are not limited to: (a) Use and maintenance of haul roads and access roads/tracks. (b) Land management activities including: (i) Maintenance, augmentation and installation of fences. (ii) Management of weeds and pests. (iii) Fire management. (c) Installation and use of monitoring equipment such as groundwater bores and fauna camera traps.
Potentially acid forming (PAF)	Means the geochemical classification criterion for a sample that has the potential to generate acid conditions. A sample classified as PAF has an acid generation potential that exceeds the inherent neutralising capacity of the material. This means that such material is likely to generate acidic drainage if exposed to atmospheric conditions.
Relevant structure	Overburden/spoil emplacements, waste rock dumps, tailings storage facilities, residual voids, flood protection landforms and watercourse diversions.
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Registered Professional Engineer of Queensland (RPEQ)	An individual registered under the *Professional Engineers Act 2002.*
Rill	A rill is a channel excavated by water, less than 0.3 m deep.
Stable condition	see section 111A of the *Environmental Protection Act 1994*.
Suitably qualified and experienced person (SQP)	for performing a regulatory function under chapter 7, part 8 (Contaminated Land) of the EP Act or another function prescribed under a regulation, means a person who— (a) has qualifications and experience relevant to performing the function; and (b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.
Vegetative groundcover	Means plants, plant litter, tree leaf litter, twigs and woody debris capable of protecting the soil surface from erosion.
Weed	Non-native plants that are: (a) Category 3 restricted invasive plant species, defined by the Biosecurity Act 2014; or (b) Weeds of National Significance, defined by Invasive Plants and Animals Committee 2016, Australian Weeds Strategy 2017 to 2027, Australian Government Department of Agriculture and Water Resources, Canberra.

Section C - Final site design and reference maps

Figure 1: Final Site Design

Figure 2: Reference Map



LEGEND

- Mining Lease Boundary
- Yarrabee Disturbance Footprint
- 0.1% AEP Flood Plain Extent

Post-mining Land Use

- Grazing (Low Intensity Cattle Grazing, Slope < 12.5%)
- Native Vegetation (Slope < 12.5%)
- Native Vegetation (Slope 12.5 - 25%)
- Native Vegetation (Slope 25 - 27%)
- Retained Infrastructure
- Water Storage
- Twelve Mile Creek Diversion (Including Riparian Vegetation)
- NUMA

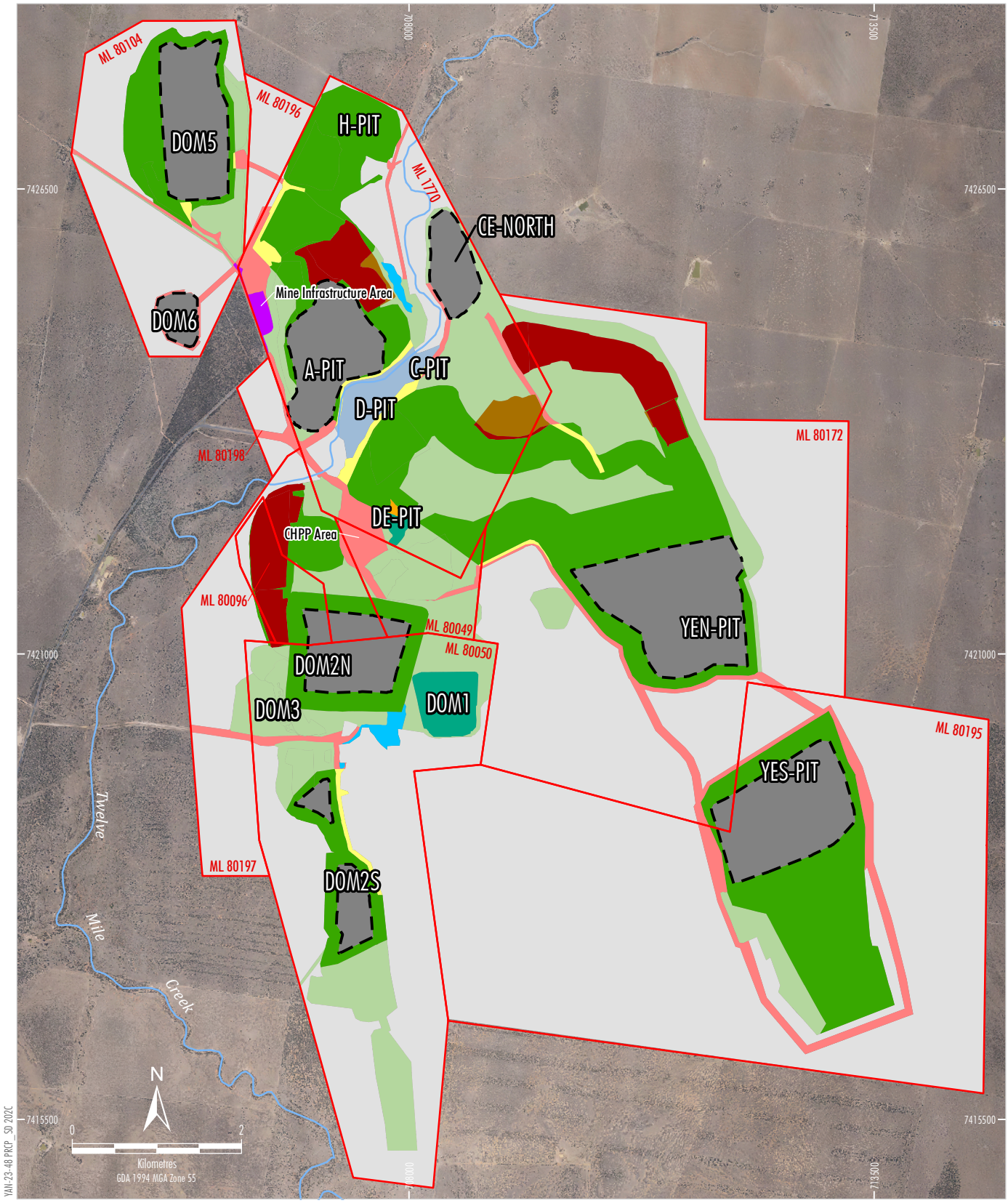
Source: The State of Queensland (2024); Engeny (2025); Yancoal Australia (2025)
Orthophoto: Esri, Maxar, Earthstar Geographics, and the GIS User Community (2024)

YANCOAL

YARRABEE COAL MINE

Final Site Design

Figure 1



LEGEND

- Mining Lease Boundary
- Rehabilitation Area
  - RA1 - In-pit and Out-of-pit Waste Rock Emplacement (<12.5%)
  - RA2 - In-pit and Out-of-pit Waste Rock Emplacement (0 to <27%)
  - RA3 - Twelve Mile Creek Diversion
  - RA4 - Water Management Infrastructure (Water Storage)
  - RA5 - DE-Pit TSF
  - RA6 - DE-Pit TSF and DOM1 TSF
  - RA7 - Infrastructure Areas (Retained Infrastructure)
  - RA8 - Infrastructure Areas (Grazing)
  - RA9 - Infrastructure Areas (Native Vegetation)
  - RA10 - Existing Rehabilitation (Native Vegetation)
  - RA11 - Existing Rehabilitation (Grazing)
  - Undisturbed Land
- Improvement Area
  - IA1 - Residual Voids

Source: The State of Queensland (2024); Yancoal Australia (2024)
Orthophoto: Yancoal Australia (2023)

YANCOAL 兖煤澳大利亚有限公司

YARRABEE COAL MINE

Reference Map

Figure 2

Section D – Post mining land uses

Milestone reference	Rehabilitation milestone	Rehabilitation Area										
		RA1	RA2	RA3	RA4	RA5	RA6	RA7	RA8	RA9	RA10	RA11
RM1	Infrastructure decommissioning and removal											
RM2	Identification, remediation and removal of contaminated land											
RM3	Installation of a cover system											
RM4	Landform development and reshaping											
RM5	Surface preparation											
RM6, RM7, RM8	Revegetation											
	• Grazing											
	• Native vegetation											
	• Watercourse/Riparian											
RM9, RM10, RM11	Achievement of surface requirement											
	• Grazing											
	• Native vegetation											
	• Watercourse/Riparian											
RM12, RM13, RM14	Achievement of post-mining land use to a stable condition											
	• Grazing											
	• Native vegetation											
	• Watercourse/Riparian											
RM15	Achievement of post-mining land use to a stable condition – Water Storage											

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)																									
Rehabilitation area	RA1																								
Relevant activities	In-pit and Out-of-pit Waste Emplacements (Slopes 0 to <12.5%)																								
Total rehabilitation area size (ha)	1066																								
Commencement of first milestone: RM1	10/12/2025																								
PMLU	Grazing																								
Date area is available	10/12/2025	10/12/2027	10/12/2029	10/12/2031	10/12/2033	10/12/2035	10/12/2037	10/12/2039	10/12/2041	10/12/2043	10/12/2045	10/12/2047	10/12/2049	10/12/2051	10/12/2053	10/12/2055	10/12/2057									
Cumulative area available (ha)	26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066	1066	1066	1066	1066	1066	1066	1066	1066
Milestone completed by	10/12/2027	10/12/2029	10/12/2031	10/12/2033	10/12/2035	10/12/2037	10/12/2039	10/12/2041	10/12/2043	10/12/2045	10/12/2047	10/12/2049	10/12/2051	10/12/2053	10/12/2055	10/12/2057	10/12/2059	10/12/2061	10/12/2063	10/12/2065	10/12/2067	10/12/2069	10/12/2071	10/12/2073	10/12/2075	10/12/2077
Milestone Reference	**Cumulative area achieved (ha)**																								
RM1	26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066									
RM2		26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066								
RM4			26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066							
RM5			26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066							
RM6				26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066						
RM9							26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066			
RM12										26	86	172	202	232	262	361	521	642	676	716	799	879	887	894	933	1066

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)																													
Rehabilitation area	RA2																												
Relevant activities	In-pit and Out-of-pit Waste Emplacements (Slopes 0 to <27%)																												
Total rehabilitation area size (ha)	1337																												
Commencement of first milestone: RM1	10/12/2024																												
PMLU	Native Vegetation																												
Date area is available	10/12/2024	10/12/2030	10/12/2032	10/12/2034	10/12/2036	10/12/2038	10/12/2040	10/12/2042	10/12/2044	10/12/2046	10/12/2048	10/12/2050	10/12/2052	10/12/2054	10/12/2056															
Cumulative area available (ha)	46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337
Milestone completed by	10/12/2026	10/12/2032	10/12/2034	10/12/2036	10/12/2038	10/12/2040	10/12/2042	10/12/2044	10/12/2046	10/12/2048	10/12/2050	10/12/2052	10/12/2054	10/12/2056	10/12/2058	10/12/2060	10/12/2062	10/12/2064	10/12/2066	10/12/2068	10/12/2070	10/12/2072	10/12/2074	10/12/2076	10/12/2078	10/12/2080	10/12/2082	10/12/2084	
Milestone Reference	**Cumulative area achieved (ha)**																												
RM1	46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337														
RM2		46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337													
RM4		46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337													
RM5		46	46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337												
RM7		46	46	46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337											
RM10				46	46	46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337									
RM13												46	46	46	99	140	227	304	338	362	467	667	709	813	933	1099	1213	1337	

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)									
Rehabilitation area	RA3								
Relevant activities	Twelve Mile Creek Diversion								
Total rehabilitation area size (ha)	53								
Commencement of first milestone: RM1	10/12/2030								
PMLU	Watercourse and Native Riparian Vegetation								
Date area is available	10/12/2030	10/12/35							
Cumulative area available (ha)	12	53	53	53	53	53	53	53	53
Milestone completed by	10/12/2032	10/12/37	10/12/39	10/12/40	10/12/41	10/12/42	10/12/47	10/12/2057	10/12/62
Milestone Reference									
RM1	12	53							
RM2		12	53						
RM4			12	53					
RM5				12	53				
RM8					12	53			
RM11						12	53		
RM14								12	53

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)							
Rehabilitation area	RA4						
Relevant activities	Water Management Infrastructure						
Total rehabilitation area size (ha)	18						
Commencement of first milestone: RM1	10/12/2056						
PMLU	Water Storage (Grazing)						
Date area is available	10/12/56						
Cumulative area available (ha)	18	18	18	18	18	18	18
Milestone completed by	10/12/58	10/12/60	10/12/62	10/12/63	10/12/64	10/12/69	10/12/74
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	18						
RM2		18					
RM4			18				
RM5				18			
RM6					18		
RM9						18	
RM15							18

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)								
Rehabilitation area	RA5							
Relevant activities	DE-Pit TSF							
Total rehabilitation area size (ha)	2							
Commencement of first milestone: RM1	10/12/2037							
PMLU	Native Vegetation							
Date area is available	10/12/2037							
Cumulative area available (ha)	2	2	2	2	2	2	2	2
Milestone completed by	10/12/2039	10/12/2041	10/12/2046	10/12/2048	10/12/2049	10/12/2050	10/12/2055	10/12/2070
Milestone Reference	**Cumulative area achieved (ha)**							
RM1	2							
RM2		2						
RM3			2					
RM4				2				
RM5					2			
RM7						2		
RM10							2	
RM13								2

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)															
Rehabilitation area	RA6														
Relevant activities	DE-Pit TSF and DOM1 TSF														
Total rehabilitation area size (ha)	59														
Commencement of first milestone: RM1	10/12/2037														
PMLU	Grazing														
Date area is available	10/12/2037	10/12/2039	10/12/2041	10/12/2046	10/12/2048	10/12/2049	10/12/2053								
Cumulative area available (ha)	7	7	7	7	7	7	59	59	59	59	59	59	59	59	59
Milestone completed by	10/12/2039	10/12/2041	10/12/2046	10/12/2048	10/12/2049	10/12/2050	10/12/2055	10/12/2057	10/12/2060	10/12/2062	10/12/2064	10/12/2065	10/12/2066	10/12/2071	10/12/2076
Milestone Reference	**Cumulative area achieved (ha)**														
RM1	7						59								
RM2		7						59							
RM3			7							59					
RM4				7							59				
RM5					7							59			
RM6						7							59		
RM9							7							59	
RM12									7						59

(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)					
Rehabilitation area	RA7				
Relevant activities	Infrastructure Area				
Total rehabilitation area size (ha)	12				
Commencement of first milestone: RM1	10/12/2057				
PMLU	Retained Infrastructure (Grazing)				
Date area is available	10/12/2057				
Cumulative area available (ha)	12	12	12	12	12
Milestone completed by	10/12/2059	10/12/2061	10/12/2063	10/12/2064	10/12/2068
Milestone Reference	**Cumulative area achieved (ha)**				
RM1	12				
RM2		12			
RM4			12		
RM5				12	
RM12					12

(RA8) Rehabilitation area 8

Post-mining land uses (PMLU)																	
Rehabilitation area	RA8																
Relevant activities	Infrastructure Areas																
Total rehabilitation area size (ha)	291																
Commencement of first milestone: RM1	10/12/2025																
PMLU	Grazing																
Date area is available	10/12/2025	10/12/2027	10/12/2043	10/12/2045	10/12/2047	10/12/2049	10/12/2051	10/12/2053	10/12/2055								
Cumulative area available (ha)	3	5	10	45	92	106	117	135	291	291	291	291	291	291	291	291	291
Milestone completed by	10/12/2027	10/12/2029	10/12/2045	10/12/2047	10/12/2049	10/12/2051	10/12/2053	10/12/2055	10/12/2057	10/12/2059	10/12/2061	10/12/2063	10/12/2065	10/12/2067	10/12/2069	10/12/2071	10/12/2073
Milestone Reference	Cumulative area achieved (ha)																
RM1	3	5	10	45	92	106	117	135	291								
RM2		3	5	10	45	92	106	117	135	291							
RM4			3	5	10	45	92	106	117	135	291						
RM5			3	5	10	45	92	106	117	135	291						
RM6			3	3	5	10	45	92	106	117	135	291					
RM9			3	3	3	3	3	5	10	45	92	106	117	135	291		
RM12			3	3	3	3	3	3	3	5	10	45	92	106	117	135	291

(RA9) Rehabilitation area 9

Post-mining land uses (PMLU)																			
Rehabilitation area	RA9																		
Relevant activities	Infrastructure Areas 1																		
Total rehabilitation area size (ha)	50																		
Commencement of first milestone: RM1	10/12/2030																		
PMLU	Native Vegetation																		
Date area is available	10/12/2030	10/12/2042	10/12/2044	12/10/2046	12/10/2048	12/10/2050	12/10/2052	12/10/2054											
Cumulative area available (ha)	4	5	6	16	18	37	46	50	50	50	50	50	50	50	50	50	50	50	50
Milestone completed by	10/12/2032	10/12/2044	10/12/2046	12/10/2048	12/10/2050	12/10/2052	12/10/2054	12/10/2056	10/12/2058	10/12/2060	10/12/2062	10/12/2064	10/12/2070	10/12/2072	10/12/2074	10/12/2076	10/12/2078	10/12/2080	10/12/2082
Milestone Reference	**Cumulative area achieved (ha)**																		
RM1	4	5	6	16	18	37	46	50											
RM2	4	4	5	6	16	18	37	46	50										
RM4	4	4	4	5	6	16	18	37	46	50									
RM5		4	4	4	5	6	16	18	37	46	50								
RM7		4	4	4	4	5	6	16	18	37	46	50							
RM10		4	4	4	4	4	4	5	6	16	18	37	46	50					
RM13									4	4	4	4	5	6	16	18	37	46	50

(RA10) Rehabilitation area 10

Post-mining land uses (PMLU)		
Rehabilitation area	RA10	
Relevant activities	Existing Rehabilitation	
Total rehabilitation area size (ha)	241	
Commencement of first milestone: RM10	10/12/2024	
PMLU	Native Vegetation	
Date area is available	10/12/2024	
Cumulative area available (ha)	241	241
Milestone completed by	10/12/2029	10/12/2044
Milestone Reference	**Cumulative area achieved (ha)**	
RM10	241	
RM13		241

(RA11) Rehabilitation area 11

Post-mining land uses (PMLU)		
Rehabilitation area	RA11	
Relevant activities	Existing Rehabilitation	
Total rehabilitation area size (ha)	35	
Commencement of first milestone: RM10	10/12/2026	
PMLU	Grazing	
Date area is available	10/12/2026	
Cumulative area available (ha)	35	35
Milestone completed by	10/12/2031	10/12/2036
Milestone Reference	**Cumulative area achieved (ha)**	
RM9	35	
RM12		35

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1.1 With the exception of any infrastructure to remain as part of the post-mining land use (PMLU) or required for later rehabilitation milestones or where infrastructure is agreed to be retained by the landholder as evidenced by a signed landholder agreement, the following are complete: (a) All services disconnected and decommissioned; (b) All buildings and associated infrastructure demolished and removed offsite. (c) All hardstand, concrete areas and roads (bitumen, blue metal, aggregate etc.) removed to a depth of **1.5m** below landform elevation and backfilled to at least ground level. (d) All fencing and associated foundations removed. (e) All pipelines drained and removed. (f) All waste and hazardous materials not authorised to be disposed of on-site under environmental authority **EPML00844613** removed from site and lawfully disposed of. (g) All surface water drainage infrastructure that does have an associated watercourse or riparian ecosystem PMLU or forms part of a non-use management area (NUMA) is removed. (h) All drillholes, bores, sediment ponds and sumps decommissioned. (i) All machinery and equipment, not required for rehabilitation works removed from site. (j) All dams dewatered and desilted. (k) Watercourse crossings and culverts removed.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM2	Identification, remediation and removal of contaminated land	2.1 Contaminated land investigations (investigation, remediation and validation) completed with respect to Chapter 7 of the EP Act demonstrate that no contamination unsuitable for the PMLU remains or is occurring. 2.2 Contaminated water and sediment are treated and removed from dams. 2.3 Contaminated and hazardous material is either remediated in-situ, encapsulated or removed/transported to an approved landfill for disposal and waste tracking information recorded and submitted. 2.4 Validation testing confirms that contaminated materials have been removed or remediated. 2.5 Evidence that all measures required in contaminated land assessments have been implemented. 2.6 For **RA5 and RA6**, no exposed hazardous materials at surface as determined by results of site contaminated land investigation including exposure due to erosion.
RM3	Installation of Cover System/Capping	3.1 Minimum capping layer of **4m** of non-acid forming material placed. 3.2 All potentially acid forming (PAF) material is located within an AQP designed and engineered cell, fully encapsulated in compacted non-acid forming (NAF) material. 3.3 Capping layer surface is water shedding and does not display surface ponding. 3.4 The cover system displays erosional stability, is geotechnically stable and supports the PMLU. 3.5 The cover is effective in mitigating the potential for migration of contaminants to the receiving environment. 3.6 Geotechnical assessment undertaken by an AQP confirms that the landform design will achieve long-term stability, meaning there is a low likelihood of mass failure. 3.7 An ‘As-Constructed Report’ prepared and details and justifies all variations to the landform closure design report, including a certification that such variations will not affect the design performance. 3.8 Independent AQP has surveyed the final landform and certified that **RM3.1 to RM3.7** (inclusive) have been achieved.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM4	Landform development (re-profiling / re-shaping)	4.1 All major earthworks (including reshaping, pushing/trimming) are completed in accordance with the design specification determined by an AQP, and developed in accordance with conditions **PRCP12 to PRCP19** (inclusive) for the final landform design. 4.2 Voids are backfilled to at least ground level, with records of as-built drawings to certify that it is operating in accordance with the landform closure design report required by conditions **PRCP12 to PRCP19**. 4.3 Constructed landform achieves geotechnical stability with a Factor of Safety (FoS) **≥1.5** (and a FoS **≥2** for the batters of **RA5 and RA6**), which includes consideration of flood stress. 4.4 Environmentally problematic material is appropriately placed and located within the final landform, consistent with the relevant designs. 4.5 Where required based on consultation with an AQP rehabilitation specialist, spreading of non-acid forming Permian spoil cover and rock mulch has been carried out as determined by an AQP in accordance with the landform closure design report required by conditions **PRCP12 to PRCP15**. 4.6 An AQP has certified that an appropriate soil:waste ratio (minimum of **1:1** and maximum of **1:2**) has been utilised within the landform development, where required for erosional stability. 4.7 All slopes achieve the following, when measured from the toe of the slope to the crest of the slope: (a) **For RA1, RA6, RA7 and RA8** disturbed slopes not steeper than **12.5%**; (b) **For RA2, RA5 and RA9** disturbed slopes not steeper than **25%**; (c) **For slopes around DOM2N of RA2 (as depicted in Figure 2 – Reference map)** disturbed slopes not steeper than **27%**; (d) **For RA3,** slopes are consistent with Twelve Mile Creek Diversion Functional Design of condition **PRCP17**. 4.8 For **RA4**, disturbed slopes are designed to allow for cattle access to the water storages for grazing. 4.9 Maximum vertical height is no more than **271mAHD** above the original ground level.

Milestone reference	Rehabilitation milestone	Milestone criteria
		4.10 Landform surface drainage has been designed and installed as follows: (a) Landforms sheet flow to either existing drainage gullies or constructed drains integrated into the final landform. (b) Existing drainage gullies will not receive excess catchment runoff that may impact the stability of the existing waterway. (c) Where required, drains are constructed at a suitable longitudinal grade and cross-sectional area to convey the upstream catchment without causing erosion or instability. (d) Where locations of high velocity are expected (steep concentrated flow locations or drainage tie in locations with existing drainage features) rock protection is installed to prevent erosion. (e) Surface has been shaped to prevent ponding and concentration of surface water flow. 4.11 Independent AQP has surveyed the final landform and certified that **RM4.1 to RM4.10** (inclusive) have been achieved. **Additional criteria for Twelve Mile Creek diversion (RA3) and levees/flood protection landforms** 4.12 The diversion is constructed in accordance with conditions **PRCP12 to PRCP19 (inclusive)**. 4.13 The constructed diversion and final landform protects **IA1** from flood inundation for **0.1%** AEP flood events (with climate change adjustments considered) 4.14 All Levee/Flood Protection landforms prevent progressive scour that could compromise the levee, A-Pit, or WRD DS1. 4.15 An Independent AQP has surveyed the final landform and certified that **RM4.12 to RM4.14** (inclusive) have been achieved

Milestone reference	Rehabilitation milestone	Milestone criteria
RM5	Surface preparation (topdressing, contour ripping, soil amelioration)	5.1 Growth media placement of a minimum **200mm** in areas where topsoil has previously been removed. 5.2 Deep ripping of compacted surfaces, at least **300mm** into soil/subsoil profile along contour of slopes. 5.3 Amelioration of growth media, such that representative soil testing of the growth media by an AQP confirms: (a) pH in the range of **6 – 8.5**; (b) Electrical Conductivity (saturated extent) **≤2,000µS/cm**; (c) Exchangeable sodium percentage (ESP %) **<6**; (d) Emerson aggregate class is **≥4**; and (e) Organic carbon **>1%**. 5.4 Certification by an AQP that the growth medium has physical properties (e.g. rockiness, depth of soil, wetness and plant available water capacity) are adequate to sustain vegetation growth and chemical properties do not limit its suitability for vegetation growth to achieve the PMLU. 5.5 Surface water monitoring in accordance with condition **PRCP20** and groundwater monitoring in accordance with condition **PRCP22** must have commenced one year prior to this milestone for monitoring locations associated with the rehabilitation area (as specified in **Attachment 5 – Surface water monitoring locations** and **Attachment 7 – Groundwater monitoring bore network**) for which the milestone applies. ***Note:** Where surface water monitoring under other regulatory instruments and uses the same surface monitoring locations and requirements, that monitoring data will be acceptable for RM5.5.
RM6	Revegetation (Low intensity grazing)	6.1 Seeding completed using seed mix described in **Attachment 2 – Species seed mixes** for 'Low-intensity grazing PMLU and where required for erosional stability of the banks of water storages', or as amended for additional naturally occurring native species as recommended by an AQP and certified as suitable to achieve a stable condition. 6.2 Minimum seeding rates of at least **10kg/ha** of pure, live grass seed, **2kg/ha** of pure, live uncoated legume seed and **4kg/ha** of shade tree seed are to be applied, unless adjusted by an AQP. 6.3 Stock exclusion fencing has been established to prevent stock from grazing newly seeded areas. 6.4 Appropriate erosion controls installed/placed and functioning as designed (as per AQP certified Landform Closure Design report) to ensure plant establishment is not significantly impacted from erosive events.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM7	Revegetation (Native vegetation)	7.1 Completed seeding with a selection of native vegetation species in **Attachment 2 – Species seed mixes** for the 'Native Vegetation and Riparian PMLUs'. 7.2 Minimum seeding rates of **9kg/ha** of pure, live tree and shrub seed, and **10kg/ha** of pure, live grass seed used, unless adjusted by an AQP. 7.3 Tubestock planting in addition to, or in replacement to seeding of trees and woody understorey, as may be required in consultation with an AQP, applicable for regional ecosystem (RE) **11.4.2, 11.4.8** and **11.4.9**. 7.4 Non-native seed must not be used for the revegetation (except when sterile cover crops are used). 7.5 No deep-rooted trees used to revegetate Tailings Storage Facilities (TSFs) (**RA5 and RA6**). 7.6 Appropriate erosion controls installed/placed and functioning as designed (as per AQP certified Landform Closure Design report) to ensure plant establishment is not significantly impacted from erosive events.
RM8	Revegetation (Watercourse/Riparian vegetation)	8.1 Completed seeding with a selection of relevant watercourse species in **Attachment 2 – Species seed mixes** for the 'Native Vegetation and Riparian PMLUs'. 8.2 The Watercourse and Native Riparian Vegetation PMLU must be comprised of species typical of RE **11.3.3** or other native riparian REs occurring in the area for the watercourses as determined by an AQP. 8.3 Minimum seeding rates of: (a) For the upper and mid banks: **9kg/ha** of pure, live tree and shrub seed and **10kg/ha** of live, pure grass seed and other groundcover species; and (b) For the lower banks: **10kg/ha** of pure, live groundcover species, unless adjusted by an AQP. 8.4 Appropriate erosion controls installed/placed and functioning as designed (as per AQP certified Landform Closure Design report) to ensure plant establishment is not significantly impacted from erosive events.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM9	Achievement of surface requirements (Low-intensity grazing)	9.1 Total vegetative groundcover **≥ 50%** with total groundcover **≥70%**; 9.2 Presence of weeds are **≤10%** of total vegetative cover, confirmed by an AQP, from annual monitoring. 9.3 At least 4 species of 3P native pasture species, 2 native legumes and 2 native shade tree species established, from **Attachment 2 –Species seed mix** for the 'Low-intensity grazing PMLU and where required for erosional stability of the banks of water storages' are applied per hectare. 9.4 Land suitability class is assessed in accordance with 'Rehabilitated mined land suitability for cattle grazing in the Bowen Basin (Short 2023).' Land suitability assessed by an AQP as **≤4** and limited by the same factors present pre-mining; or not different from pre-mining. 9.5 Surface water runoff complies with **Attachment 6 – Surface water quality limits** as collected from representative areas of rehabilitation when surface water flows occur and safe to do so. 9.6 With respect to erosion: (a) Average erosion rate of **<5 t/ha/yr** with the maximum erosion rate at any point on the landform of **<10 t/ha/yr**. (b) Any erosion present will not compromise the achievement of a PMLU to a stable condition. (c) Erosion requiring intervention has been remediated. 9.7 An AQP certifies that there is no evidence of erosion classified as 'moderate' or 'severe' as defined by **Attachment 3 – Erosion classification framework**.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM10	Achievement of surface requirements (Native Vegetation)	10.1 For groundcover on slopes **≤15%**, total vegetative groundcover **≥ 50%** with total groundcover **≥70%**. 10.2 For groundcover on slopes **>15%**, total vegetative groundcover **≥ 70%** and total ground cover **≥ 80%**. 10.3 Presence of weeds are **≤10%** of total vegetative cover, confirmed by an AQP, from annual wet season monitoring. 10.4 A BioCondition assessment completed in accordance with latest version of Queensland Herbarium's ''BioCondition Assessment Manual' determines that the PMLU has reached a BioCondition score of **>20/60** PRCP Benchmark average of RE **11.4.2 or 11.4.8 or 11.4.9 or combined RE 11.4.2/11.4.8/11.4.9** as described in **Attachment 4 - BioCondition Benchmark Criteria**. 10.5 No deep-rooted trees present on TSFs (**RA5 and RA6**). 10.6 Surface water runoff complies with **Attachment 6 – Surface water quality limits** as collected from representative areas of rehabilitation when surface water flows occur and safe to do so. 10.7 With respect to erosion: (a) Average erosion rate of **<5 t/ha/yr** with the maximum erosion rate at any point on the landform of **<10 t/ha/yr**. (b) Any erosion present will not compromise the achievement of a PMLU to a stable condition. (c) Erosion requiring intervention has been remediated. 10.8 An AQP certifies that there is no evidence of erosion classified as 'moderate' or 'severe' as defined by **Attachment 3 – Erosion classification framework**.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM11	Achievement of surface requirements (Watercourse/Riparian vegetation)	11.1 The Diversion has an IDC score of **>10** as defined in '*Criteria for functioning river landscape units in mining and post-mining landscapes' (ACARP Project number C20017*)'. 11.2 Certification from AQP that the drainage follows appropriate pathways and has similar geomorphology to the regional ephemeral drain lines. 11.3 Total vegetative groundcover **≥30%** with total groundcover **≥70%** (excluding in the watercourse channel). 11.4 Watercourse vegetation meets the following per hectare (ha): (a) Species richness: (i) **≥2** native trees; (ii) **≥2** native shrubs; and (iii) **≥5** native groundcover species. (iv) native Perennial grass and organic litter cover **>5%** (b) Tree canopy cover **≥ 13%**. 11.5 Surface water runoff complies with **Attachment 6 – Surface water quality limits** as collected from representative areas of rehabilitation when surface water flows occur and safe to do so. 11.6 With respect to erosion: (a) Average erosion rate of **<5t/ha/yr** with the maximum erosion rate at any point on the landform of **<10t/ha/yr**. (b) Any erosion present will not compromise the achievement of a PMLU to a stable condition. (c) Erosion requiring intervention has been remediated. 11.7 An AQP certifies that there is no evidence of erosion classified as 'moderate' or 'severe' as defined by **Attachment 3 – Erosion classification framework**.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM12	Achievement of post-mining land use to a stable condition (Low-intensity grazing)	12.1 Safety hazards in the rehabilitation area are not significantly different to surrounding unmined landscapes subject to the same land use. 12.2 Contaminated land investigations documentation including a site investigation report, and where required, a validation report and/or a draft Site Management Plan, completed in accordance with Chapter 7 of the EP Act. 12.3 Contaminated Land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring. 12.4 The final landform is geotechnically stable and achieved a FOS **≥1.5**. 12.5 Final landform survey confirms no built structures remain other than those that form part of a landholder agreement. 12.6 With respect to erosion: (a) Any erosion present will not compromise the achievement of a PMLU to a stable condition. (b) All other erosion requiring intervention has been remediated and does not impact achieving the PMLU; and (c) No evidence of scouring, overtopping, sedimentation or destabilisation in or associated with erosion and sediment control and engineered drainage structures. 12.7 Any seepage from rehabilitated landform complies with **Attachment 6 - Surface water quality limits**. 12.8 >50% established and self-sustaining vegetation groundcover of species as listed in **Attachment 2 – Species seed mix** for the 'Low-intensity grazing PMLU and where required for erosional stability of the banks of water storages'. 12.9 Infrastructure transitioned to a future landholder is: (a) Suitable in type and scale for the approved PMLU; (b) Verified by an AQP as fit for purpose and; (c) Accepted by signed agreement with the future landholder. 12.10 An AQP certifies that all infrastructure to be retained onsite will not affect the PMLU to achieve a stable condition.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM13	Achievement of post mining land use to stable condition (Native Vegetation)	13.1 Hazard assessment by an AQP confirms that the hazard has no significant difference to hazards in local regional ecosystems in surrounding unmined landscapes, as identified through appropriate and representative reference site monitoring. 13.2 Contaminated land investigations documentation including a site investigation report, and where required, a validation report and/or a draft Site Management Plan, completed in accordance with Chapter 7 of the EP Act. 13.3 Contaminated Land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring. 13.4 Any seepage from rehabilitated landform complies with **Attachment 6 - Surface water quality limits**. 13.5 The final landform is geotechnically stable and achieved a FOS **≥1.5**. 13.6 A BioCondition assessment is completed by an AQP using the methodology outlined in the Queensland Herbarium's 'BioCondition Assessment Manual' that is current on the first date area is available for the RA. 13.7 Modified BioCondition score assessed under **RM13.6** achieves the **>40/60** PRCP Benchmark average of RE **11.4.2 or 11.4.8 or 11.4.9 or combined RE 11.4.2/11.4.8/11.4.9** as described in **Attachment 4 - BioCondition Benchmark Criteria.** 13.8 Species used in revegetation as per **Attachment 2 –Species seed mix** for the 'Native Vegetation and Riparian PMLUs' remain present and showing evidence of natural recruitment from rehabilitation monitoring data. 13.9 Infrastructure transitioned to a future landholder is: (a) Suitable in type and scale for the approved PMLU; (b) Verified by an AQP as fit for purpose and; (c) Accepted by signed agreement with the future landholder. 13.10 An AQP certifies that all infrastructure to be retained onsite will not affect the PMLU to achieve a stable condition.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM14	Achievement of post mining land use to stable condition (Water course/Riparian area)	14.1 Certification by an AQP that the creek diversion functions as designed in accordance with the Functional Design Report and Design Plan required under **PRCP17** to **PRCP19** and the integrity of Twelve Mile Creek and adjoining watercourses has been maintained. 14.2 Aquatic ecology (i.e., aquatic habitat and riparian vegetation) health monitoring has been undertaken every **3 years**, which shows a progressive improvement, or is similar to, other ephemeral waterways in the region. 14.3 Contaminated land investigations documentation including a site investigation report, and where required, a validation report and/or a draft Site Management Plan, completed in accordance with Chapter 7 of the EP Act. 14.4 Contaminated Land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring. 14.5 An AQP has certified that diversions being retained in the landform achieve the following: (a) Incorporate natural features (including geomorphic and vegetation) present at the location of the diversion. (b) Maintain the pre-existing hydrologic characteristics of surface water and groundwater systems for the area in which the watercourse diversion is located. (c) Maintain the hydraulic characteristics of the permanent watercourse diversion that are equivalent to other local watercourses and are suitable for the area in which the diversion is located without using artificial structures that require on-going maintenance. (d) Maintain sediment transport and water quality regimes that allow the diversion to be self-sustaining, while minimising any impacts to upstream and downstream water quality, geomorphology, or vegetation. (e) Maintain equilibrium and functionality in all substrate conditions at the location of the diversion. 14.6 Species used in revegetation as per **Attachment 2 –Species seed mix** for the 'Native Vegetation and Riparian PMLUs' remain present as required by **RM11.4** and showing evidence of natural recruitment from rehabilitation monitoring data.

Milestone reference	Rehabilitation milestone	Milestone criteria
RM15	Achievement of post mining land use to stable condition (Water Storage)	15.1 Hazard and Safety Assessment completed by an AQP demonstrates hazards are consistent with the type and severity of hazards typical of neighbouring equivalent land use. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. 15.2 Contaminated land investigations documentation including a site investigation report, and where required, a validation report and/or a draft Site Management Plan, completed in accordance with Chapter 7 of the EP Act. 15.3 Contaminated Land Auditor certifies that no contamination unsuitable for the PMLU remains or is occurring. 15.4 All retained water storages are safe and stable. 15.5 Records of structural integrity of water storage structures, and certification that it is operating in accordance with landform closure design report required by **PRCP12**. 15.6 Quarterly water storage monitoring conducted for a minimum of **5 consecutive years** immediately prior to the milestone completion date demonstrates water is of a suitable quality for native wildlife and/or livestock ingestion and does not exceed the stock water guidelines (ANZECC 2000). 15.7 Infrastructure transitioned to a future landholder is: (a) Suitable in type and scale for the approved PMLU; (b) Verified by an AQP as fit for purpose and; (c) Accepted by signed agreement with the future landholder. 15.8 An AQP certifies that all infrastructure to be retained onsite will not affect the PMLU to achieve a stable condition.

Section D – Non-use management areas

(IA1) Improvement area 1

Non-use management area (NUMA)									
Improvement area	IA1								
Relevant activities	A-Pit, CE-North, DOM2N, DOM2S, DOM5, DOM6, YEN-Pit, YES-Pit Residual void - pit water containment area: Disturbance area below the natural ground level that will not be rehabilitated to achieve a PMLU; and disturbance extent of the final water level.								
Total size (ha)	882								
Commencement of first milestone: MM1	10/12/2048								
NUMA	Non-use management area								
Date area is available	10/12/48	10/12/49	10/12/50	10/12/53	10/12/56	10/12/57			
Cumulative area available (ha)	143	197	239	366	745	882	882	882	882
Milestone completed by	10/12/53	10/12/54	10/12/55	10/12/58	10/12/61	10/12/62	10/12/66	10/12/69	10/12/70
Milestone Reference	**Cumulative area achieved (ha)**								
MM1	143	197	239	366	745	882			
MM2			143	239	366	745	882		
MM3					143	239	366	745	882

Improvement area milestones

Milestone reference	Management milestone	Milestone criteria
MM1	Achievement of final landform design	1.1 Individual voids as listed in **Attachment 1 – Residual Void and Non-Use Management Area Geometries** and shown in **Figure 1 Final site design** do not exceed the areas listed for each void in **Attachment 1 – Residual Void and Non-Use Management Area Geometries**. 1.2 Void slopes must be consistent with: (a) Low wall – maximum slope of **75%**; (b) High wall: (i) Competent rock – maximum slope of **275%**; (ii) Incompetent rock – maximum slope of **100%**. 1.3 Battering back, partial backfilling, regrading, and reshaping completed in accordance with the Landform closure design report required in condition **PRCP12**. 1.4 The NUMA is not subject to inundation from floodwaters up to and including the **0.1%** AEP. 1.5 The pit walls achieve a FoS **≥2** within the NUMA extents as determined by an AQP. 1.6 The location of the voids and associated safety bunds does not cause instability or degradation to the land outside the NUMA. 1.7 The NUMA will not overtop. 1.8 Flood velocity at bund toe does not exceed design tolerance of **2.5m/s** unless suitably armoured. 1.9 Bunds subject to velocity **>2.5m/s** or shear stress **>50N/m²** are armoured using non-erodible materials or rock armouring. 1.10 Independent AQP certifies achievement of **MM1.1** to **MM1.9** (inclusive).
MM2	Achievement of safety requirements	2.1 Competent safety bund or equivalent landform in place to prevent access to the residual void, at the geotechnical set-back distance of a minimum of **10m** (distance necessary to achieve FoS **≥2**). 2.2 The safety bund is accordance with engineering requirements including: (a) Constructed from non-weathered, non-dispersive dumped rockfill; (b) a minimum **2m** in height; (c) a minimum of **4m** base width; and (d) **1 in 3** batters. 2.3 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 boundary. 2.4 Security Fencing erected, where required to prevent access to the residual void, around the perimeter of the safety bund. 2.5 Safety signage (design in accordance with Australian standard) is erected at **100m** intervals along the fence. 2.6 Independent AQP certifies achievement of **MM2.1** to **MM2.5** (inclusive).

Milestone reference	Management milestone	Milestone criteria
MM3	Achievement of sufficient improvement	3.1 The NUMA is safe to humans and livestock and determined to be geotechnically stable. 3.2 The NUMA is internally draining. 3.3 The pit wall landform has been constructed in accordance with the landform closure design report. 3.4 The water level and quality in the void do not and will not cause environmental harm to the receiving environment, as demonstrated by groundwater level, surface water and groundwater quality monitoring and modelling. 3.5 An AQP certifies, including with water quality, water level and modelling data, that the residual void/s act as groundwater sinks in perpetuity. 3.6 NUMAs retain flood immunity, supported by flood modelling re-run at end of life and calibrated against the final landform. 3.7 The NUMA will not present an unacceptable risk of environmental harm. 3.8 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. 3.9 Independent AQP certifies achievement of **MM3.1** to **MM3.8** (inclusive).

Section F – Attachments

Attachment 1 – Residual Void and Non-Use Management Area Geometries

	A-Pit	CE-North	DOM2N	DOM2S	DOM5	DOM6	YEN-Pit	YES-Pit	Total
NUMA Maximum Area (ha)	126	53	103	45	133	25	223	174	882

Attachment 2 – Species Seed Mixes

Low-intensity grazing PMLU and where required for erosional stability of the banks of water storages	
Scientific name	**Common name**
Grass	
Heteropogon contortus	Black Speargrass
Bothriochloa bladhii	Forest Bluegrass
Bothriochloa insculpta	Creeping Bluegrass
Setaria incrassata	Purple Pigeon grass
Dicanthium sericeum	Queensland blue grass
Chloris gayana	Rhodes grass
Urochloa mosambicensis	Sabi grass
Digitaria milanjiana	Tall Finger grass
Aristida latifolia	Feathertop wiregrass
Astrebla squarrosa	Bull Mitchell grass
Eragrosotis elongata	Clustered lovegrass
Themeda triandra	Kangaroo grass
Sporobolus caroli	Fairy grass
Paspalidium caespitosum	Brigalow grass
Panicum decompositum	Native millet
Eriochloa pseudoacrotricha	Early spring grass
Panicum effusum	Hairy panic
Legume/Herb	
Stylosanthes seabrana	Caatinga stylo
Medicago truncatula	Barrel Medic
Desmanthus virgatus	Desmanthus
Chamaecrista rotundifolia	Round-leafed cassia
Stylosanthes scabra	Shrubby stylo
Rostellularia adscendens	Pink tongues
Alternanthera denticulata	Lesser joyweed
Calotis cuneifolia	Burr daisy
Pterocaulon sphacelatum	Apple bush
Eucalyptus crebra	Narrow Leaved Ironbark
Eucalyptus Coolabah	Coolibah
Eucalyptus largiflorens	Black Box
Eucalyptus melanophloia	Silver Leaved Ironbark

Low-intensity grazing PMLU and where required for erosional stability of the banks of water storages	
Scientific name	**Common name**
Eucalyptus ochrophloia	Yapunyah
Eucalyptus argophloia	Chinchilla White Gum
Eucalyptus populnea	Poplar Box
Eucalyptus molucanna	Grey Box
Corymbia tesselaris	Moreton Bay Ash
Corymbia clarksoniana	Bloodwood
Corymbia gummifera	Red Bloodwood
Corymbia citriodora	Lemon Scented-Gum
Acacia victoriae	Bardi Bush
Allocasuarina luehmannii	Bulloak
Casuarina cristata	Belah
Cassia brewsteri	Leichardt Bean
Eremophila mitchellii	False Sandalwood
Owenia acidula	Emu Apple
Brachychiton rupestris	Narrow-leaved Bottle Tree
Shrub	
Atriplex nummularia	Old Man Saltbush
Enchylaena tomentosa	Ruby Saltbush
Carissa ovata	Currant bush

Attachment 2 – Species Seed Mixes (Continued)

Native Vegetation and Riparian PMLUs	
Scientific name	**Common name**
Tree	
Eucalyptus crebra	*Narrow Leaved Ironbark*
Eucalyptus Coolabah	*Coolibah*
Eucalyptus largiflorens	*Black Box*
Eucalyptus melanophloia	*Silver Leaved Ironbark*
Eucalyptus ochrophloia	*Yapunyah*
Eucalyptus argophloia	*Chinchilla White Gum*
Eucalyptus populnea	*Poplar Box*
Eucalyptus molucanna	*Grey Box*
Eucalyptus cambageana	*Dawson gum*
Corymbia tesselaris	*Moreton Bay Ash*
Corymbia clarksoniana	*Bloodwood*
Corymbia gummifera	*Red Bloodwood*
Corymbia citriodora	*Lemon Scented-Gum*
Acacia victoriae	*Bardi Bush*
Acacia decora	*Pretty Wattle*
Acacia excelsa	*Ironwood*
Acacia salicina	*Doolan*
Archidendropsis basaltica	*Red lancewood*
Allocasuarina luehmannii	*Bulloak*
Casuarina cristata	*Belah*
Cassia brewsteri	*Leichardt Bean*
Eremophila mitchellii	*False Sandalwood*
Owenia acidula	*Emu Apple*
Brachychiton rupestris	*Narrow-leaved Bottle Tree*
Brachychiton acerifolius	*Illawarra Flame Tree*
Shrub	
Atriplex nummularia	*Old Man Saltbush*
Enchylaena tomentosa	*Ruby Saltbush*
Geijera parviflora	*Wilga*
Carissa ovata	*Currant bush*
Jacksonia rhadinoclona	*Miles dogwood*

Native Vegetation and Riparian PMLUs	
Scientific name	**Common name**
Indigofera australis	*Australian Indigo*
Legume/Herb	
Rostellularia adscendens	*Pink tongues*
Alternanthera denticulata	*Lesser joyweed*
Calotis cuneifolia	*Burr daisy*
Pterocaulon sphacelatum	*Apple bush*
Abutilon malvifolium	*Bastards marshmallow*
Solanum adenophorum	-
solanum elachophyllum	-
Grass	
Bothriochloa bladhii	*Forest Bluegrass (cultivas Swann)*
Bothriochloa ewartiana	*Desert Bluegrass*
Dichanthium sericeum	*Queensland Bluegrass*
Heteropogon contortus	*Black Speargrass*
Themeda triandra	*Kangaroo Grass*
Cymbopogon refractus	*Barbed Wire Grass*
Bothriochloa decipiens	*Pitted Bluegrass*

Notes:

- *Where seed for a specific species is not available in sufficient quality or quantity as listed in this table, it may be supplemented or substituted by the equivalent weight of a comparable native species from the relevant technical descriptions (Riparian - RE11.3.25 or RE 11.3.27; Native Ecosystem - RE 11.4.2, 11.4.8 and/or 11.4.9).*

Attachment 3 – Erosion classification framework

Erosion classification	Minor	Moderate	Severe
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope, etc	Loss of surface horizon; root exposure; moderate substantial soil deposits downslope
Rill erosion	<15 rills/100m*	15-30 rills/100m*	>30 rills/100m*
Gully erosion	Absent	Absent	Present
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Notes:

- *Erosion form definitions: NCST (2024)* Australian Soil and Land Survey Field Handbook, 4th edition. *The National Committee on Soil and Terrain. CSIRO Publishing, Collingwood, Australia.*
- ** Rill frequency assessed on the contour over entirety of rehabilitation area (not only features that intersect a monitoring transect). Transect linear 100 m across the contour (Source: Tongway, D. J. and Hindley, N. L. 2005. Landscape Function Analysis: Procedures for Monitoring and Assessing Landscapes. CSIRO Publishing, Canberra, Australia)*

Attachment 4 – BioCondition Benchmark Criteria

Site Based Attributes	Maximum Score for Attributes	Benchmarks for representatives REs			Averaged Benchmarks
		RE 11.4.2	RE 11.4.8	RE 11.4.9	Combined REs
Non-native plant cover(%)	10	0	0	0	0
Dominant canopy species present as regeneration	5	100	100	100	100
Tree height (m)	5	20	17	10	15
Native tree species richness	5	4	3	2	3
Native shrub species richness	5	5	10	5	6
Grass species richness	5	8	9	5	7
Forbs and other species richness	5	7	7	10	8
Native tree canopy cover (%)	5	25	40	25	30
Native shrub canopy cover (%)	5	13	5	5	7
Native perennial grass cover (%)	5	16	20	16	17
Organic litter ground cover (%)	5	30	37	45	37
Maximum Site Score	**60**				

Attachment 5 – Surface water monitoring locations

Monitoring Locations^	Receiving waters location description	Latitude (GDA2020)	Longitude (GDA2020)	Associated RA
Upstream monitoring locations				
Twelve Mile Creek Upstream	Twelve Mile Creek upstream	-23.315774	148.998104	RA1, RA8
Downstream monitoring locations				
Twelve Mile Creek Downstream	Twelve Mile Creek downstream	-23.254601	149.032498	RA2

Table note:

^locations illustrated **in** Attachment 5 **– Surface water monitoring locations.**

LEGEND
Mining Lease Boundary
Surface Water Monitoring Location

Source: The State of Queensland (2024); Yancoal Australia (2024)
Orthophoto: Yancoal Australia (2023)

YARRABEE COAL MINE

Surface Water Monitoring Locations

Attachment 5

Attachment 6 – Surface water quality limits

Quality characteristic (units)	Limit	Comment on limit
pH	6.5-8.5	WQO
Electrical Conductivity (µS/cm)	336*	Site specific value*
Turbidity (NTU)	50	WQO
Suspended Solids (mg/L)	110	WQO
Sulphate (mg/L)	10	WQO
Fluoride (mg/L)	1.7	ANZG 2018
Nitrate (mg/L)	1.1	ANZG 2018
Arsenic - dissolved (µg/L)	13	ANZG 2018
Boron - dissolved (µg/L)	970	ANZG 2018
Cadmium - dissolved (µg/L)	0.2	ANZG 2018
Cobalt - dissolved (µg/L)	1.4	ANZG 2018
Copper - dissolved (µg/L)	1.4	ANZG 2018
Iron - dissolved (µg/L)	280	ANZG 2018
Manganese - dissolved (µg/L)	1,900	ANZG 2018
Mercury - dissolved (µg/L)	0.06	ANZG 2018
Molybdenum - dissolved (µg/L)	34	ANZG 2018
Nickel - dissolved (µg/L)	11	ANZG 2018
Uranium – dissolved (µg/L)	0.5	ANZG 2018
Zinc – dissolved (µg/L)	8	ANZG 2018
Total recoverable hydrocarbons (C6-C9) (µg/L)	20	
Total recoverable hydrocarbons (C10-C36) (µg/L)	100	
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes	
Hardness (mg/L)	For interpretation purposes	

Notes:

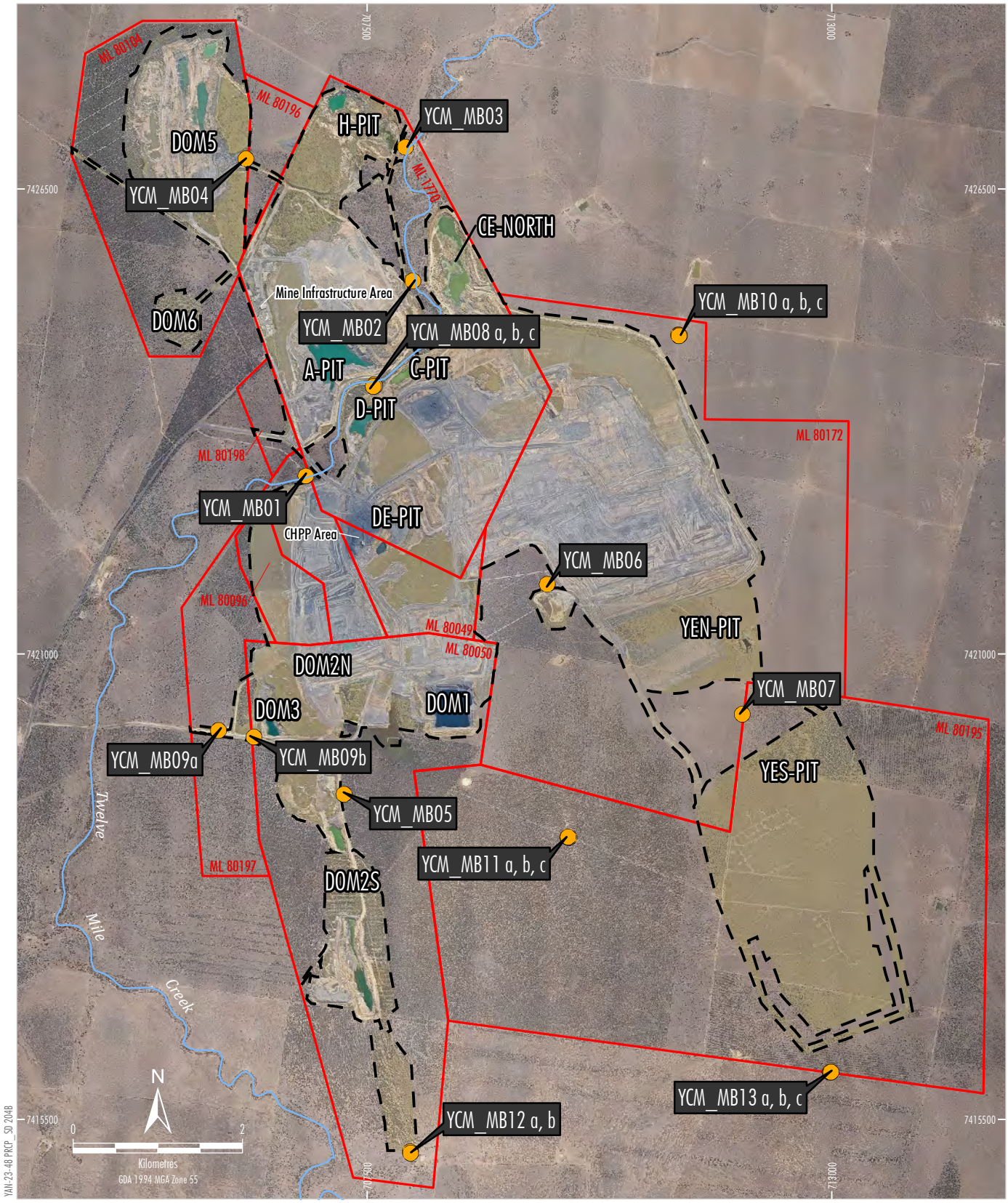
- *All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).*
- *Limits for metals and metalloids apply to dissolved results.*
- *ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection).*
- *WQO - Environmental Protection (Water) Policy 2009. Mackenzie River Sub-basin Environmental Values and Water Quality Objectives, September 2011.*
- ** Yarrabee Coal Mine Receiving Environment Water Quality Monitoring Program 2025 – Water Quality Objectives.*

Attachment 7 – Groundwater monitoring bore network

Monitoring Bore ^	Hydrogeological Unit	Compliance Assessment Required		Location (GDA2020)		Associated RA
		Water Quality (Y/N)	Water Level (Y/N)	Latitude	Longitude	
YCM_MB01	Quaternary/Tertiary	N	N	-23.2884	149.0217	RA1, RA3, RA8, RA10
YCM_MB02	Quaternary/Tertiary	N	N	-23.2674	149.0338	RA1, RA4, RA8
YCM_MB03	Quaternary/Tertiary	N	N	-23.2532	149.0327	RA2
YCM_MB09a	Rewan	Y	Y	-23.3157	149.012	RA1, RA8
YCM_MB04	RCM - Pisces	Y	Y	-23.2547	149.0143	RA1, RA8
YCM_MB05	RCM - Pollux	Y	Y	-23.3223	149.0266	RA1, RA2, RA4, RA9
YCM_MB06	RCM - Castor Lower	Y	Y	-23.2996	149.0498	RA1, RA2, RA8
YCM_MB07	RCM - Aries	Y	Y	-23.3132	149.0726	RA2, RA8
YCM_MB08a	RCM - Castor Lower	Y	Y	-23.2786	149.0295	RA3
YCM_MB08b	RCM - Pollux	Y	Y	-23.2787	149.0295	RA3
YCM_MB08c	RCM - Pisces	Y	Y	-23.2787	149.0294	RA3
YCM_MB09b	RCM - Pollux Lower	Y	Y	-23.3164	149.0161	RA1, RA8
YCM_MB10a	RCM - Castor Upper	N	N	-23.2728	149.0646	RA1, RA10
YCM_MB10b	RCM - Castor Lower (1 & 2)	Y	Y	-23.2728	149.0647	RA1, RA10
YCM_MB10c	RCM - Pollux/Orion	Y	Y	-23.2729	149.0646	RA1, RA10
YCM_MB11a	RCM - Cancer	Y	Y	-23.3266	149.0528	RA1, RA2, RA6, RA8
YCM_MB11b	RCM - Aries	Y	Y	-23.3266	149.0526	RA1, RA2, RA6, RA8
YCM_MB11c	RCM - Castor Lower	Y	Y	-23.3266	149.0527	RA1, RA2, RA6, RA8
YCM_MB12a	RCM - Pollux	Y	Y	-23.3604	149.0349	RA1
YCM_MB12b	RCM - Pisces	Y	Y	-23.3605	149.0349	RA1
YCM_MB13a	RCM - Cancer Upper	N	N	-23.3512	149.0833	RA1, RA2, RA8
YCM_MB13b	RCM - Cancer	Y	Y	-23.3512	149.0834	RA1, RA2, RA8
YCM_MB13c	RCM - Castor Lower	Y	Y	-23.3512	149.0834	RA1, RA2, RA8

Notes:

- *N - Groundwater bore monitored as dry, no groundwater encountered.*
- *^ Monitoring locations as illustrated in **Attachment 7 - Groundwater monitoring bore network** locations.*



LEGEND

- Mining Lease Boundary - Yarrabee Coal Mine
- Approved Surface Disturbance Footprint
- Twelve Mile Creek
- Groundwater Monitoring Bore

Source: The State of Queensland (2024); Yancoal Australia (2024)
Orthophoto: Yancoal Australia (2023)

YARRABEE COAL MINE

Groundwater Monitoring Bore Network

Attachment 7

Attachment 8 – Groundwater quality limits

Quality characteristic	Limit	Comment on limit
pH (pH units)	6.5-8.5	Site-specific
Electrical Conductivity (µS/cm)*	2,509	WQO
Sulfate (mg/L)*	125	WQO
Fluoride (mg/L)	0.6	WQO (no data)
Arsenic - dissolved (µg/L)	13	ANZG 2018
Boron - dissolved (µg/L)*	970	ANZG 2018
Cadmium - dissolved (µg/L)	0.2	ANZG 2018
Cobalt - dissolved (µg/L)*	1.4	ANZG 2018
Copper – dissolved (µg/L)	1.4	ANZG 2018
Iron – dissolved (µg/L)	90	WQO (no data)
Manganese - dissolved (µg/L)*	1,900	ANZG 2018
Mercury - dissolved (µg/L)	0.06	ANZG 2018
Molybdenum - dissolved (µg/L)	34	ANZG 2018 – no data
Nickel - dissolved (µg/L)*	11	ANZG 2018
Zinc – dissolved (µg/L)*	8	ANZG 2018
Major ions - calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate (mg/L)		
Hardness (mg/L)		
Water level (mAHD)		

Table notes:

- *All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).*
- *Limits for metals and metalloids apply to dissolved results.*
- *A - ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection).*
- *B - Environmental Protection (Water) Policy 2009. Mackenzie River Sub-basin Environmental Values and Water Quality Objectives Basin No.130, including all waters of the Mackenzie River Sub-basin, September 2011. 80th percentile, zone 13 (north of Blackwater) as per WQO1310) groundwater.*
- *C - Site Specific Values.* * Unless bore-specific values are provided in **Attachment 8 – Groundwater quality limits (Continued**)

Attachment 8 – Groundwater quality limits (Continued)

Monitoring Bore	Electrical Conductivity (µS/cm)	Sulfate (mg/L)	Boron – dissolved (µg/L)	Cobalt – dissolved (µg/L)	Manganese – dissolved (µg/L)	Nickel – dissolved (µg/L)	Zinc – dissolved (µg/L)
YCM_MB04	24,534	412	1,470		606		40
YCM_MB05	72,721	13	816	27	4,394	36	44
YCM_MB06	69,902	181	655	32	5,610	41	
YCM_MB07	67,087	1,040	566	40	5,259	27	
YCM_MB08a	15,785	769	799		216		
YCM_MB08b	15,625	776	813		291		
YCM_MB08c	16,353	169	515		630		
YCM_MB09a	75,684	143	2,151	37	7,667	27	61
YCM_MB09b	71,783	135	1,743	32	3,742	23	63
YCM_MB10a	N/A						
YCM_MB10b	59,995	390	736		887		
YCM_MB10c	55693	16	405		1,672		
YCM_MB11a	71,650	4.5	180	24	5,115	31	55
YCM_MB11b	72,387	7.5	200	29	4,380	30	57
YCM_MB11c	46,103		295		7,190		32
YCM_MB12a	65,392	332	1,425	34	8,140	26	
YCM_MB12b	64,338	9	356		6,445	18	107
YCM_MB13a	N/A						
YCM_MB13b	69,652	42	526	42	6,988	23	
YCM_MB13c	68,733	14	515				45

Table notes:

- *All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).*
- *Limits for metals and metalloids apply to dissolved results.*
- *A - ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection).*
- *B - Environmental Protection (Water) Policy 2009. Mackenzie River Sub-basin Environmental Values and Water Quality Objectives Basin No.130, including all waters of the Mackenzie River Sub-basin, September 2011. 80th percentile, zone 13 (north of Blackwater) as per WQO1310) groundwater.*
- *C - Site Specific Values.* * Unless bore-specific values are provided in **Attachment 8 – Groundwater quality limits (Continued**)

Attachment 9 – Groundwater water level thresholds

Hydrogeological Unit	Monitoring Bore*	Location (GDA2020)		Surface RL (mAHD)	Baseline Water Level (mAHD)^^A	Level Threshold End of mining drawdown (m)
		Latitude	Longitude			
Quaternary/Tertiary	YCM_MB01	-23.2884	149.0217	128.367	Dry	N/A
	YCM_MB02	-23.2674	149.0338	130.255	Dry	N/A
	YCM_MB03	-23.2532	149.0327	131.64	Dry	N/A
Rewan	YCM_MB09a	-23.3157	149.012	137.656	121	2-5n
RCM - Cancer Upper	YCM_MB13a	-23.3512	149.0833	152.649	Dry	N/A
RCM - Cancer	YCM_MB11a	-23.3266	149.0528	143.891	114.1	20-50
	YCM_MB13b	-23.3512	149.0834	152.592	121.4	20-50
RCM - Aries	YCM_MB07	-23.3132	149.0726	146.845	115.3	50-100
	YCM_MB11b	-23.3266	149.0526	143.976	113.7	20-50
RCM - Castor Upper	YCM_MB10a	-23.2728	149.0646	137.348	Dry	N/A
	YCM_MB06	-23.2996	149.0498	138.612	99.2	50-100
	YCM_MB08a	-23.2786	149.0295	128.601	115.7	20-50
	YCM_MB10b	-23.2728	149.0647	137.552	107.8	20-50
	YCM_MB11c	-23.3266	149.0527	143.881	120.6	20-50
	YCM_MB13c	-23.3512	149.0834	152.47	121.1	20-50
RCM - Pollux	YCM_MB05	-23.3223	149.0266	140.908	128.1	20-50
	YCM_MB08b	-23.2787	149.0295	128.849	116.2	20-50
	YCM_MB12a	-23.3604	149.0349	139.113	132.6	5-10n
RCM - Pollux Lower	YCM_MB09b	-23.3164	149.0161	138.635	113	20-50
RCM - Pollux/Orion	YCM_MB10c	-23.2729	149.0646	137.728	110.3	20-50
RCM - Pisces	YCM_MB04	-23.2547	149.0143	134.129	106.2	20-50
	YCM_MB08c	-23.2787	149.0294	129.28	118	20-50
	YCM_MB12b	-23.3605	149.0349	138.956	132.33	5-10n

Notes:

- ** - Monitoring against water level criteria is only applicable to bores in the receiving environment of the rehabilitation area under investigation.*
- *^ - 95th percentile of groundwater bore monitoring data.*
- *A - Based on levels from monitoring undertaken during operations, not representative of pre-mining water levels.*

END OF PRCP SCHEDULE