PRCP schedule

Environmental Protection Act 1994

P-PRCP-101052204 Oaky Creek Coal Mine

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

PRCP schedule: P-PRCP-101052204-v1

PRCP schedule holder(s)

Name(s)	Registered address
Oaky Creek Holdings Pty Limited	Level 44 Gateway Building 1 Macquarie Place SYDNEY NSW 2000
SCAP Oaky Creek Pty Ltd	Level 33 225 George St SYDNEY NSW 2000
ICRA OC Pty Ltd	240 Queen St BRISBANE CITY QLD 4000

Location details

Location(s)
Mining Lease (ML) 1832, ML2004, ML70241, ML70327 and ML70424.

Take effect

In accordance with section 202B of the *Environmental Protection Act 1994* (EP Act), the PRCP schedule has effect on the day the environmental authority for carrying out relevant activities on land to which the schedule relates takes effect. Pursuant to section 202C of the EP Act, a PRCP schedule continues in force until the environmental authority for the relevant activities to which the PRCP schedule relates is cancelled or surrendered, even if the resource tenure expires or is cancelled and even if the relevant environmental authority is suspended under Chapter 5, part 11 or 11A of the EP Act.

	13 March 2026
Signature	Date

Alison Cummings

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

Enquiries:

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Obligations under the *Environmental Protection Act 1994*

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

Pursuant to section 285 of the EP Act:

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

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

  (b) each 3-year period starting on the day after the previous audit period ended.

- the holder must, within 4 months after the end of each audit period, give the administering authority -

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

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

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

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

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A – Conditions of PRCP schedule
- Section B – 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

PRCP	Condition
PRCP1	All mining disturbance authorised under EA EPML00942413 must have an associated rehabilitation outcome provided in this PRCP Schedule.
PRCP2	The holder must comply with each milestone criterion stated in the schedule.
PRCP3	Where land becomes 'available for rehabilitation' earlier than the date nominated in this schedule, the holder must notify the administering authority by 10 December of the year in which the land being assessed as becoming 'available for rehabilitation'. The written notification must include: (a) Details of the relevant land area; and (b) Whether or not it considers that it would be reasonable and appropriate to apply to the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition; and (c) If the holder considers it reasonable to amend the schedule, submit an amendment application in consultation with the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition.
PRCP4	Where an area achieves a rehabilitation milestone, it must be maintained and continue to comply with the rehabilitation milestone criteria for that rehabilitation milestone until: (a) The next rehabilitation milestone is achieved; or (b) The area is progressively certified; or (c) A surrender is approved.
PRCP5	The holder must carry out monitoring in accordance with: (a) Any requirement under this schedule; and (b) It is necessary to demonstrate achievement of each rehabilitation milestone or management milestone criteria.
PRCP6	The holder must keep records in relation to relevant matters for a minimum of five years and provide such records to the administering authority in the specified format within 10 business days of a written request, unless otherwise agreed. Relevant matters for this condition include, but are not necessarily limited to, the following: (a) Rehabilitation activities and the results of these activities; (b) Maintenance activities and the results of maintenance activities; (c) Monitoring activities and the results of monitoring;

PRCP	Condition
	(d) Designs, drawings, specifications or any similar documents required under the PRCP schedule; and (e) Certifications, assessments, investigations, inspections, audits or any similar processes carried out in relation to rehabilitation milestones or milestone criteria.
PRCP7	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 at time of model re-run), confirms: (a) At EA surrender, 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) The final landform will not impact groundwater to the extent the GDEs are negatively affected other than the extent authorised by the EA, confirmed by measured groundwater level elevations being similar to groundwater level elevation modelled predictions at time of EA surrender.
PRCP8	The holder must, by **10 December 2030**, provide an AQP prepared landform closure design report for the out of pit (OoP) TSF, which must at a minimum include: (a) Design aims and objectives of final landform, including the capping and 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 performance will be demonstrated; (e) How the landform achieves acceptable geotechnical and erosional stability; (f) How the landform achieves an acceptable water quality outcome; (g) How redundancy of the monitoring network has been identified and built into the final design; (h) How the design, including the component parts supports the achievement of the nominated PMLU; (i) The critical design elements and associated assessment that support the achievement of a stable condition; and (j) Where any assumed or inferred material properties have been used in the design or its assessment (inclusive of modelling), i. detailed discussion justifying why actual/measured properties were not used; ii. how uncertainties regarding material properties may affect performance, and iii. how those uncertainties are managed.
PRCP9	The holder must, by **10 December 2027**, provide to the administering authority: (a) a proposed monitoring network of groundwater bores for the out of pit (OoP) TSF, with details provided for inclusion of **Attachment 3 – Out of pit TSF groundwater bores** and accompanying map; and

PRCP	Condition
	(b) installation details of proposed alluvium bores #1, #2 and #3 for inclusion of **Attachment 11 – Groundwater quality monitoring bores** and accompanying map.
PRCP10	The holder must, by **10 December 2030**, provide to the administering authority an AQP reviewed and updated (if required) flood assessment report in accordance with section 3.6.1 of the PRCP guideline (version 3.01) that demonstrates the final landform will meet a stable condition with consideration to any flood protection, drainage and erosion control measures necessary.
PRCP11	The holder must, by **10 December 2030**, submit a report to the administering authority that proposes soil quality criteria for inclusion in **Attachment 2 – Growth Media Quality Criteria** based on site specific data.

END OF CONDITIONS

Section B – Definitions

<table>
<tr><td>Appropriately qualified person (AQP)</td><td>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.</td></tr>
<tr><td>Activity (EP Regulation)</td><td>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.</td></tr>
<tr><td>Contaminants</td><td>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.</td></tr>
<tr><td>Environmentally problematic material</td><td>means material that will negatively impact water quality and stability or vegetation growth.</td></tr>
<tr><td>Flood stress</td><td>is the pressure on structures from rapid water rise, erosion, and saturation during extreme floods, risking instability.</td></tr>
<tr><td>Growth media</td><td>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</td></tr>
<tr><td>Gully</td><td>means a channel excavated by water; more than 0.3m deep.</td></tr>
<tr><td>Intrinsic Spontaneous Combustion Propensity (ISCP)</td><td>means the classification which enables a general appraisal of the possible likelihood of a spontaneous combustion event, with the following classifications:
Intrinsic spontaneous combustion propensity classification (ISCP)
(based on Queensland and New South Wales coal conditions)
<table><tr><th>ISCP Class</th><th>Propensity rating</th><th>Queensland R_{70} value (°C/h)</th><th>New South Wales R_{70} value (°C/h)</th></tr><tr><td>I</td><td>low (L)</td><td>$R_{70} < 0.5$</td><td>$R_{70} < 1$</td></tr><tr><td>II</td><td>low-medium (LM)</td><td>$0.5 \le R_{70} < 1$</td><td>$1 \le R_{70} < 2$</td></tr><tr><td>III</td><td>medium (M)</td><td>$1 \le R_{70} < 2$</td><td>$2 \le R_{70} < 4$</td></tr><tr><td>IV</td><td>high (H)</td><td>$2 \le R_{70} < 4$</td><td>$4 \le R_{70} < 8$</td></tr><tr><td>V</td><td>very high (VH)</td><td>$4 \le R_{70} < 8$</td><td>$8 \le R_{70} < 16$</td></tr><tr><td>VI</td><td>ultra-high (UH)</td><td>$8 \le R_{70} < 16$</td><td>$16 \le R_{70} < 32$</td></tr><tr><td>VII</td><td>extremely high (EH)</td><td>$R_{70} \ge 16$</td><td>$R_{70} \ge 32$</td></tr></table>Beamish and Beamish (2011a)
‘R70 Value (°C/hr)’ means the adiabatic R70 Self Heating Rate - determined as a ratio of the time taken for the coal temperature to increase from 40°C to 70°C, which gives a relative measure of the oxidation rate of the coal. This value is used as an index to determine the propensity of the coal to spontaneously combust.
Source: Beamish, B & Beamish, R 2011, ‘Testing and sampling requirements for input to spontaneous combustion risk assessment’, in B Beamish & D Chalmers (eds), Proceedings of the Australian Mine Ventilation Conference, The Australasian Institute of</td></tr>
</table>

	Mining and Metallurgy, Melbourne, pp. 15–21
Potentially acid forming (PAF)	means material with either a Net Acid Producing Potential of greater than 5kg of H_2SO_4/tonne or a Net Acid Generation oxidation pH of less than 4.5 (pH unit).
Residual (subsidence) ponded areas	the accumulation of surface water in a surface depression caused as a direct result of longwall mining subsidence for greater than 3 consecutive months during the dry season (April to October) where there is a minimum ponded depth of 200mm and a minimum ponded area of 1ha.
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Relevant structure	To be defined during the assessment and listed here. Typically includes TSF and higher risk structures, including WRDs.
Rill	means a channel excavated by water; less than 0.3m deep.
Stabilised	means one or both of the following conditions apply: no evidence of sediment movement; sides and/or floors of erosion form are revegetated (Australian Soil and Land Survey Field Handbook Third Edition).
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.
Weeds	means: • Category 3 restricted invasive plant species, defined by the *Biosecurity Act 2014*; and • 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

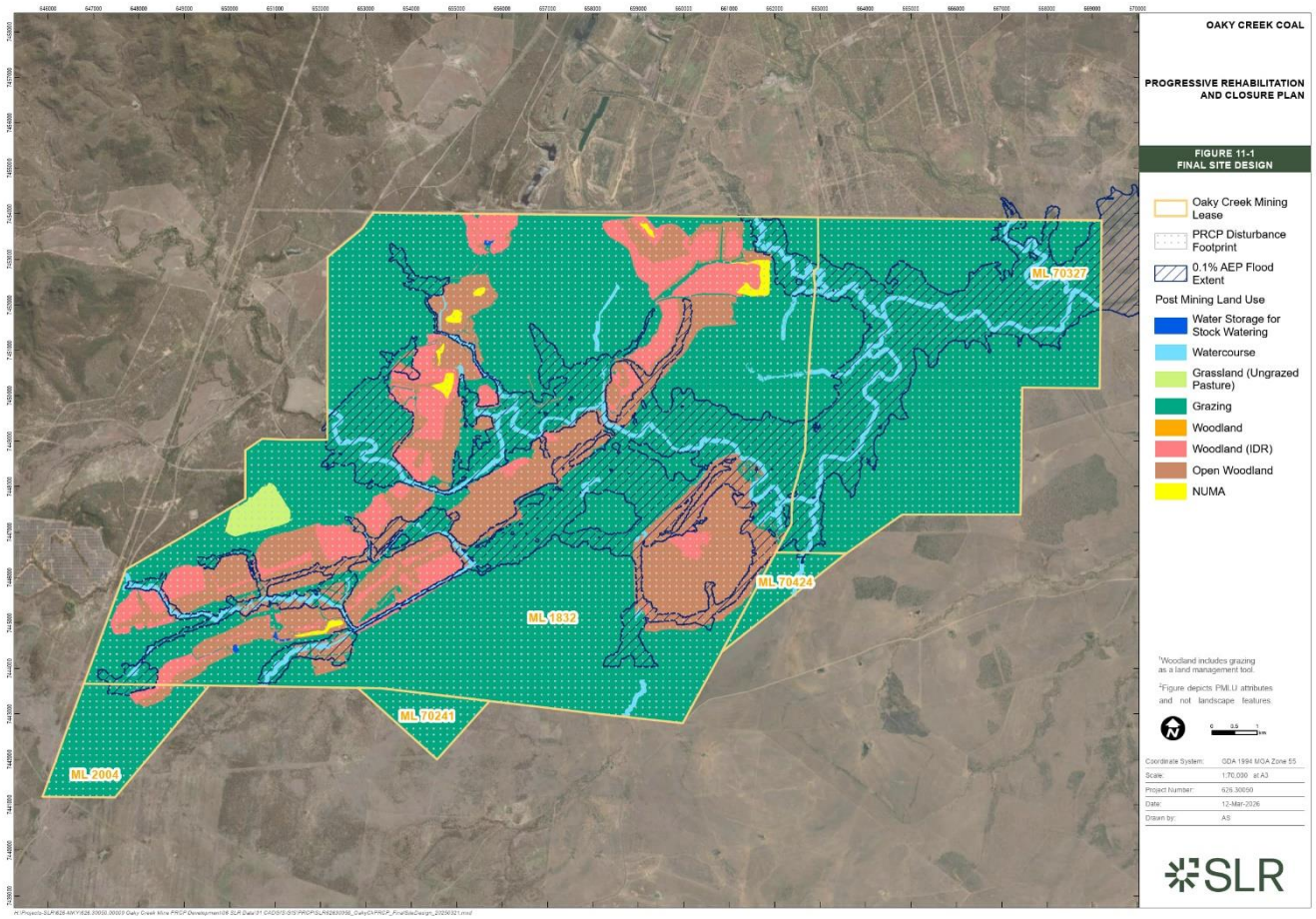
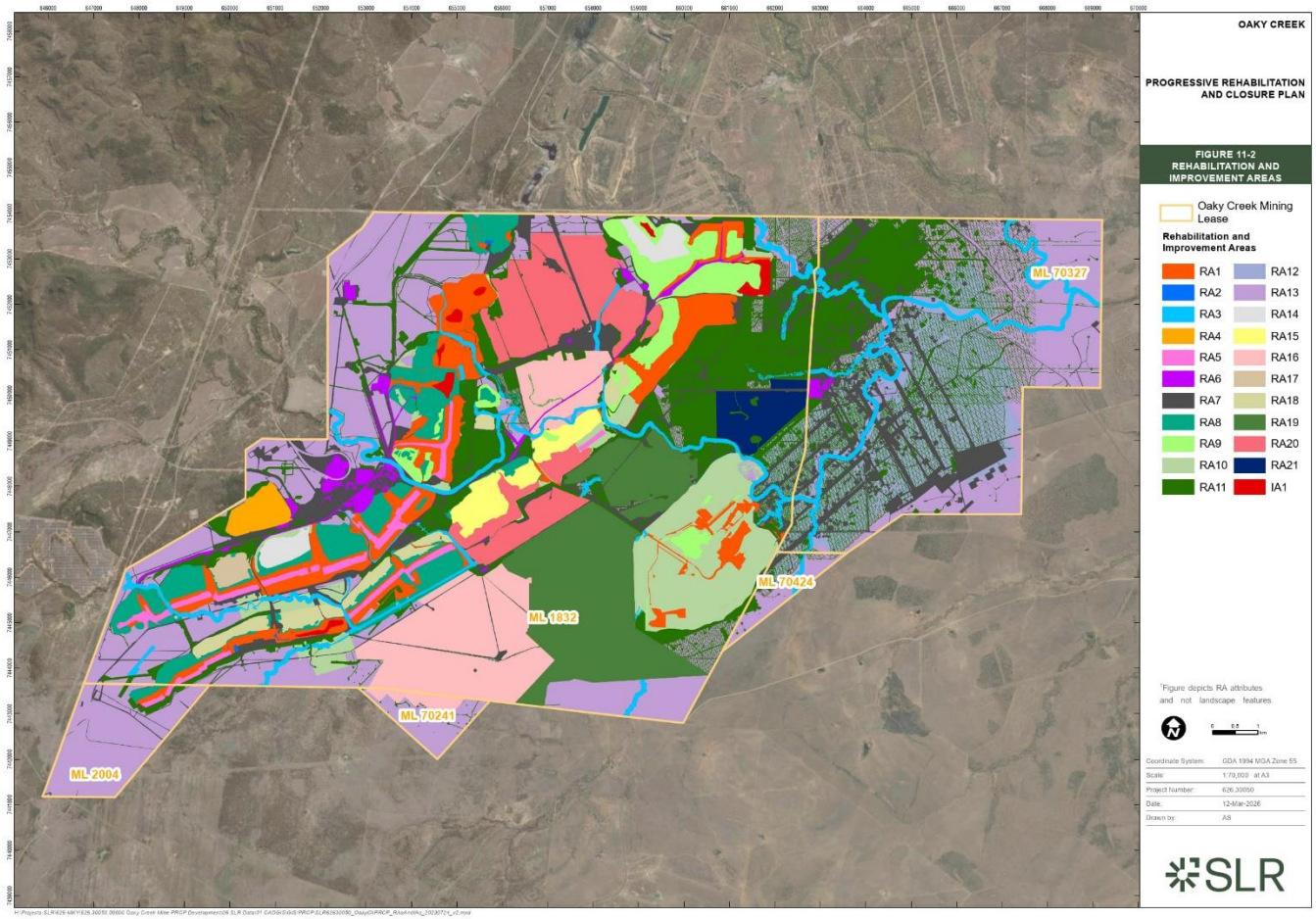


Figure 2 – Rehabilitation Areas



Section D – Post mining land uses

Milestone reference	Rehabilitation milestone	Rehabilitation Area													
		RA1	RA2	RA3	RA4	RA5	RA6	RA7	RA8	RA9	RA10	RA11	RA12	RA13	RA14-RA21
Relevant Activities		Spoil dumps, pit low walls, G3, G4, G5, G6, G7, A3 West, A3 Mid, A4, A5, A6, A7, A7 South, Aquila High, Aquila Low, Grasstree North, A3 Mid 3 Batters, Cattle Batters	A3 Mid 3 and Cattle Pit Lakes	Ephemeral creeks, waterways.	Out Of Pit TSF	In-Pit Tailings and Reject Emplacements	Infrastructure, laydown yards, ROM, haul roads	Roads, Tracks, Seismic and Surface Disturbance Associated with Underground Mining	Existing Rehabilitation Internally Draining Rehabilitation (IDR) – rehabilitation up to end of 2003	Existing Rehabilitation (IDR) 2004– rehabilitation up to 14 August 2014	Existing Rehabilitation 2015-2025	Existing Rehabilitation 2015-2025	Subsidence Extent	Exploration and Ancillary Activities	Progressive Certified areas
PMLU		Open Woodland[1]	Water Storage for stock watering	Watercourse	Grassland (Ungrazed Pasture)	Open Woodland[1]	Grazing	Grazing	Open Woodland[1] (IDR)	Open Woodland[1] (IDR)	Open Woodland[1]	Grazing	Grazing	Grazing	
[1]Open Woodland incorporates grazing as a land management tool															
RM1	Infrastructure decommissioning and removal														
RM2	Identification, remediation and removal of contaminated land														
RM3	Landform development (re-profiling / re shaping)														
RM4	Sealing of shafts and portals														
RM5	Subsidence rehabilitation														
RM6	Out of pit TSF														

Milestone reference	Rehabilitation milestone	Rehabilitation Area												
		RA1	RA2	RA3	RA4	RA5	RA6	RA7	RA8	RA9	RA10	RA11	RA12	RA13	RA14-RA21
RM7	Surface preparation														
RM8	Revegetation														
RM9	Water management in the final landform														
RM10	Achievement of surface requirements														
RM11	Achievement of post-mining land use to a stable condition														
RM12	Existing Rehabilitation														
RM13	Achievement of post-mining land use water quality														
RM14	Certified Rehabilitation														

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)										
Rehabilitation area	RA1									
Relevant activities	Spoil dumps, pit low walls, G3, G4, G5, G6, G7, A3 West, A3 Mid, A4, A5, A6, A7, A7 South, Aquila High, Aquila Low, Grasstree North, A3 Mid 3 Batters, Cattle Batters									
Total rehabilitation area size (ha)	990									
Commencement of first milestone: RM1	10/12/2026									
PMLU	Open Woodland[1]									
Date area is available	10/12/2026	10/12/2027	10/12/2028	10/12/2029	10/12/2030	10/12/2031	10/12/2032	10/12/2033	10/12/2038	
Cumulative area available (ha)	59	132	240	431	531	609	723	809	990	
Milestone completed by	10/12/2028	10/12/2029	10/12/2030	10/12/2031	10/12/2032	10/12/2033	10/12/2034	10/12/2035	10/12/2036	10/12/2037
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	59	132	240	431	531	609	723	809		
RM3						59	132	240	431	531
RM7							59	132	240	431
RM8								59	132	240
RM10										
RM11										
RM13										

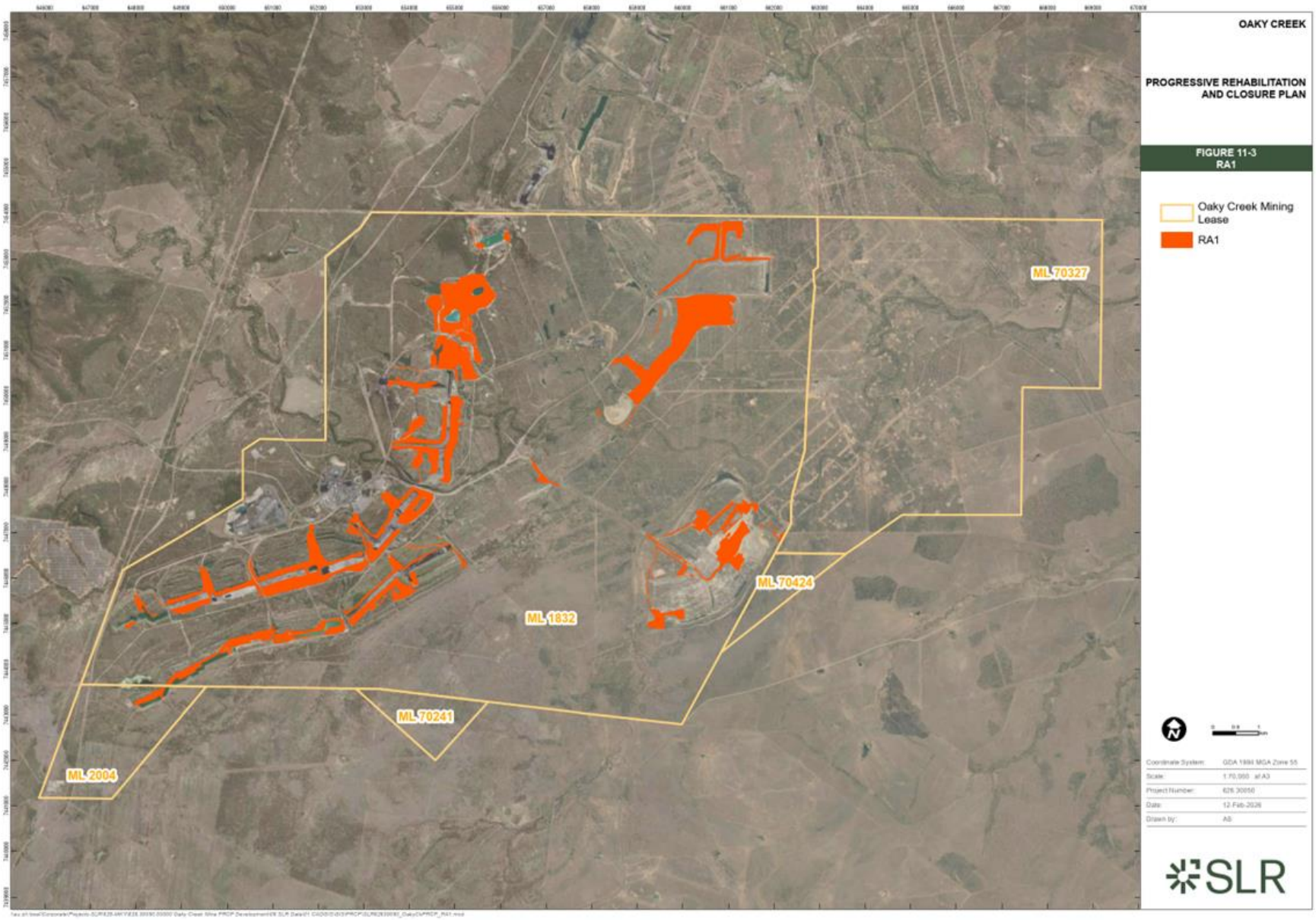
[1] Open Woodland includes grazing as a land management tool.

Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2044	10/12/2045	10/12/2046	10/12/2047
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM3	609	723	809							
RM7	531	609	723	809						
RM8	431	531	609	723	809					
RM10	180	180	239	312	420	611	711	789	903	990
RM11						180	180	239	312	420
RM13										

Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2048	10/12/2049	10/12/2050	10/12/2051	10/12/2052	10/12/2072				
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM3										
RM7										
RM8										

RM10										
RM11	611	711	789	903	990					
RM13						990				

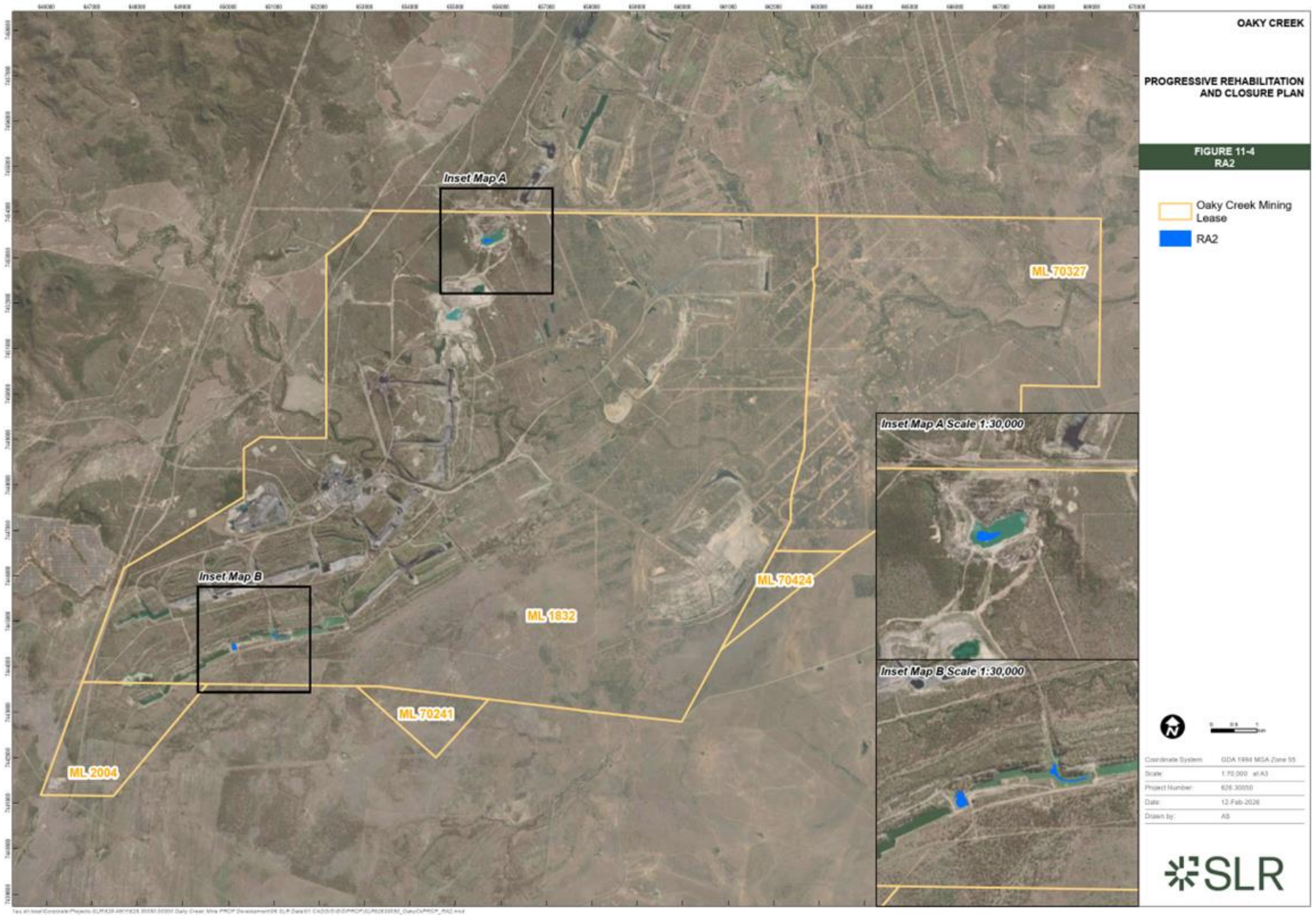
Figure 3 – RA1 Spoil dumps, pit low walls, G3, G4, G5, G6, G7, A3 West, A3 Mid, A4, A5, A6, A7, A7 South, Aquila High, Aquila Low, Grasstree North, A3 Mid 3 Batters, Cattle Batters



(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)										
Rehabilitation area	RA2									
Relevant activities	A3 Mid 3 and Cattle Pit Lakes									
Total rehabilitation area size (ha)	4									
Commencement of first milestone: RM3	10/12/2032									
PMLU	Water Storage for Stock Watering									
Date area is available	10/12/2032									
Cumulative area available (ha)	4									
Milestone completed by	10/12/2034	10/12/2039	10/12/2072							
Milestone Reference	**Cumulative area achieved (ha)**									
RM3	4									
RM9		4								
RM13			4							

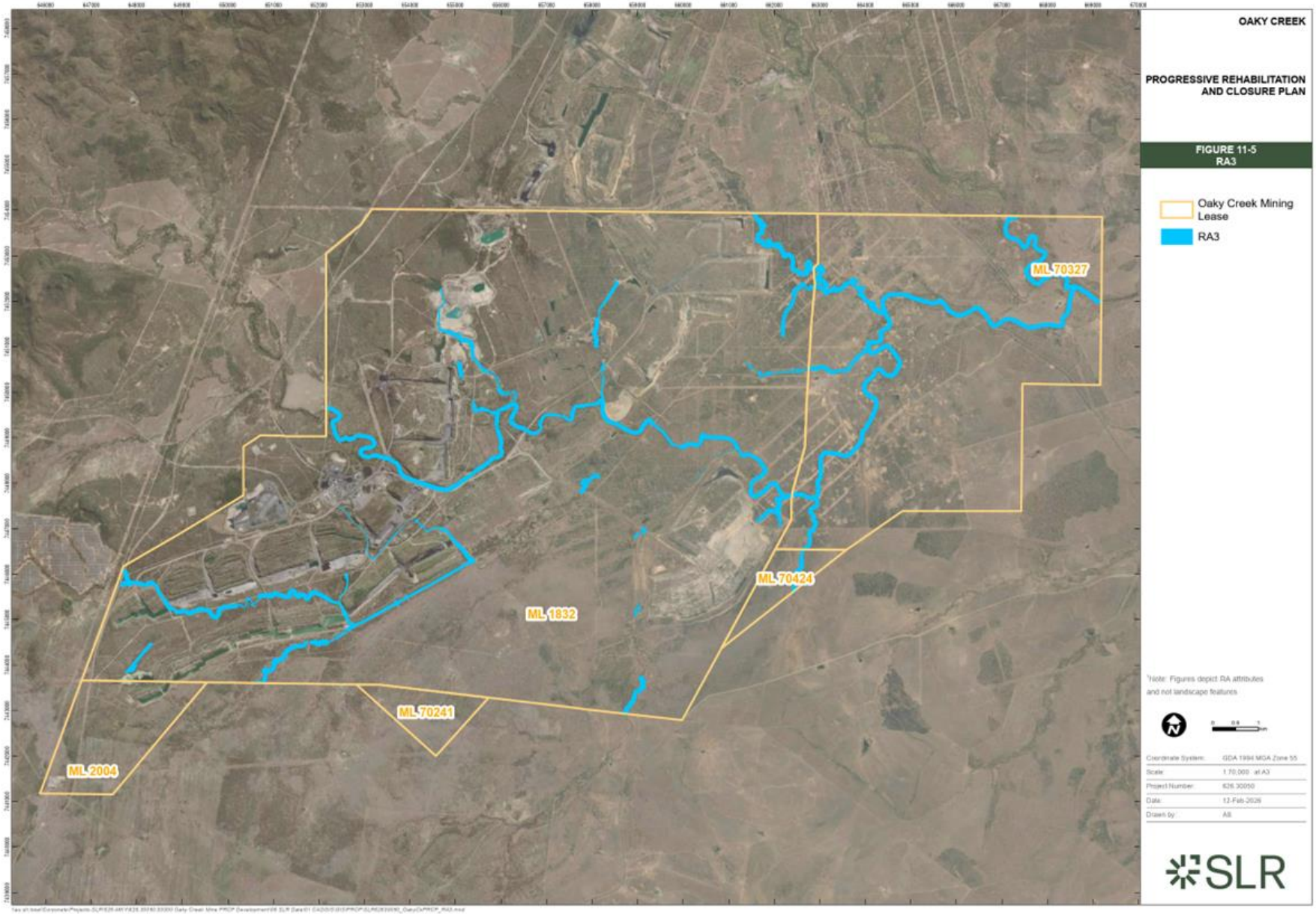
Figure 4 – RA2 A3 Mid 3 and Cattle Pit Lakes



(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)										
Rehabilitation area	RA3									
Relevant activities	Ephemeral Creeks and Waterways									
Total rehabilitation area size (ha)	680									
Commencement of first milestone: RM1	10/12/2038									
PMLU	Watercourse									
Date area is available	10/12/2038									
Cumulative area available (ha)	680									
Milestone completed by	10/12/2040	10/12/2045	10/12/2046	10/12/2047	10/12/2052	10/12/2057	10/12/2072			
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	680									
RM3		680								
RM7			680							
RM8				680						
RM10					680					
RM11						680				
RM13							680			

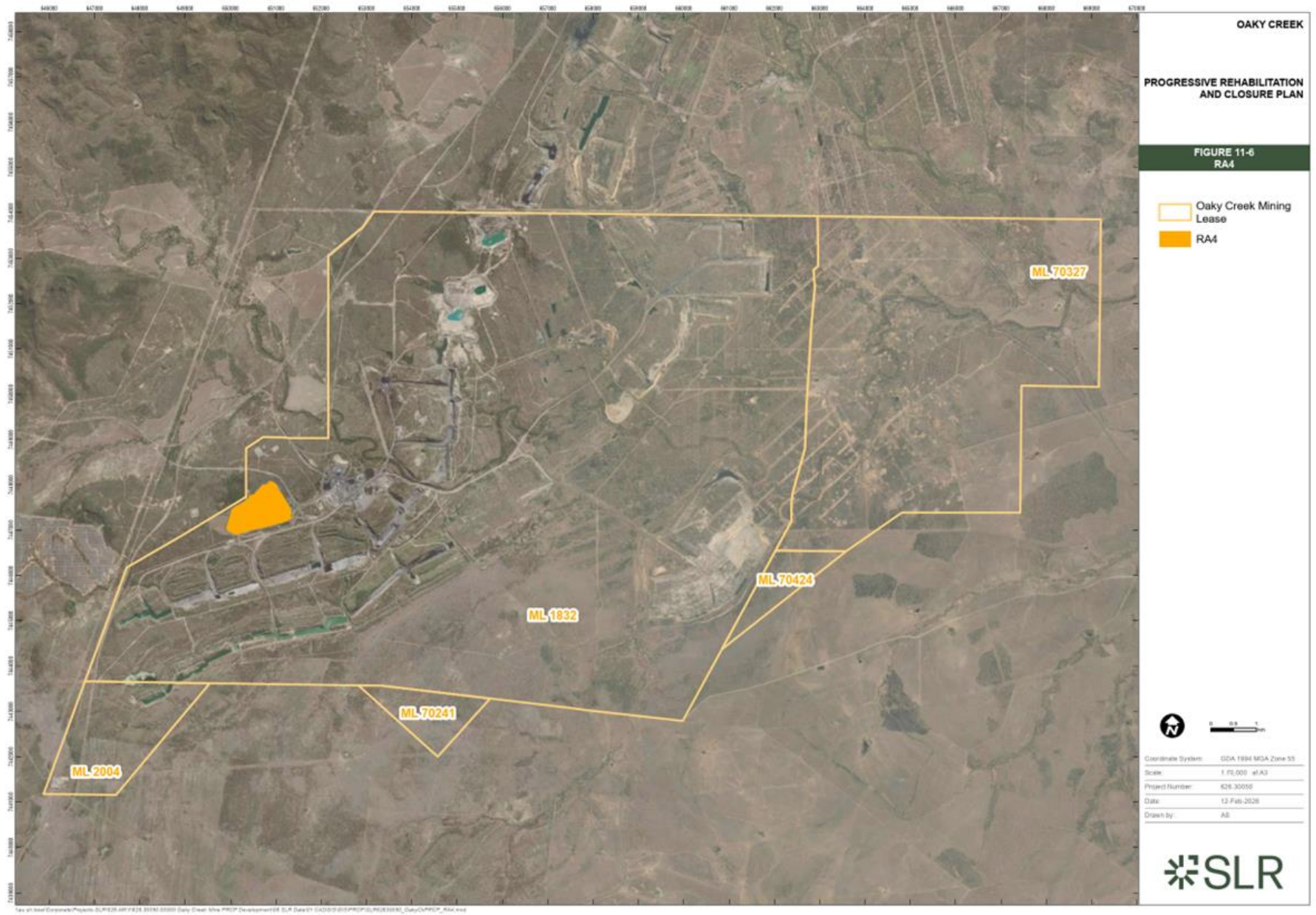
Figure 5 – RA3 Ephemeral Creeks and Waterways



(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)										
Rehabilitation area	RA4									
Relevant activities	Out Of Pit Tailings Storage Facility									
Total rehabilitation area size (ha)	100									
Commencement of first milestone: RM1	10/12/2033									
PMLU	Grassland (Ungrazed pasture)									
Date area is available	10/12/2033									
Cumulative area available (ha)	100									
Milestone completed by	10/12/2035	10/12/2037	10/12/2038	10/12/2039	10/12/2044	10/12/2049	10/12/2072			
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	100									
RM6		100								
RM7			100							
RM8				100						
RM10					100					
RM11						100				
RM13							100			

Figure 6 – RA4 Out Of Pit Tailings Storage Facility



(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)										
Rehabilitation area	RA5									
Relevant activities	In-Pit Tailings and Reject Emplacements									
Total rehabilitation area size (ha)	200									
Commencement of first milestone: RM1	10/12/2032									
PMLU	Open Woodland[1]									
Date area is available	10/12/2032	10/12/2034	10/12/2035	10/12/2036	10/12/2037					
Cumulative area available (ha)	30	85	105	160	200					
Milestone completed by	10/12/2034	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2044
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	30	85	105	160	200					
RM3					30	30	85	105	160	200
RM7						30	30	85	105	160
RM8							30	30	85	105
RM10										
RM11										
RM13										

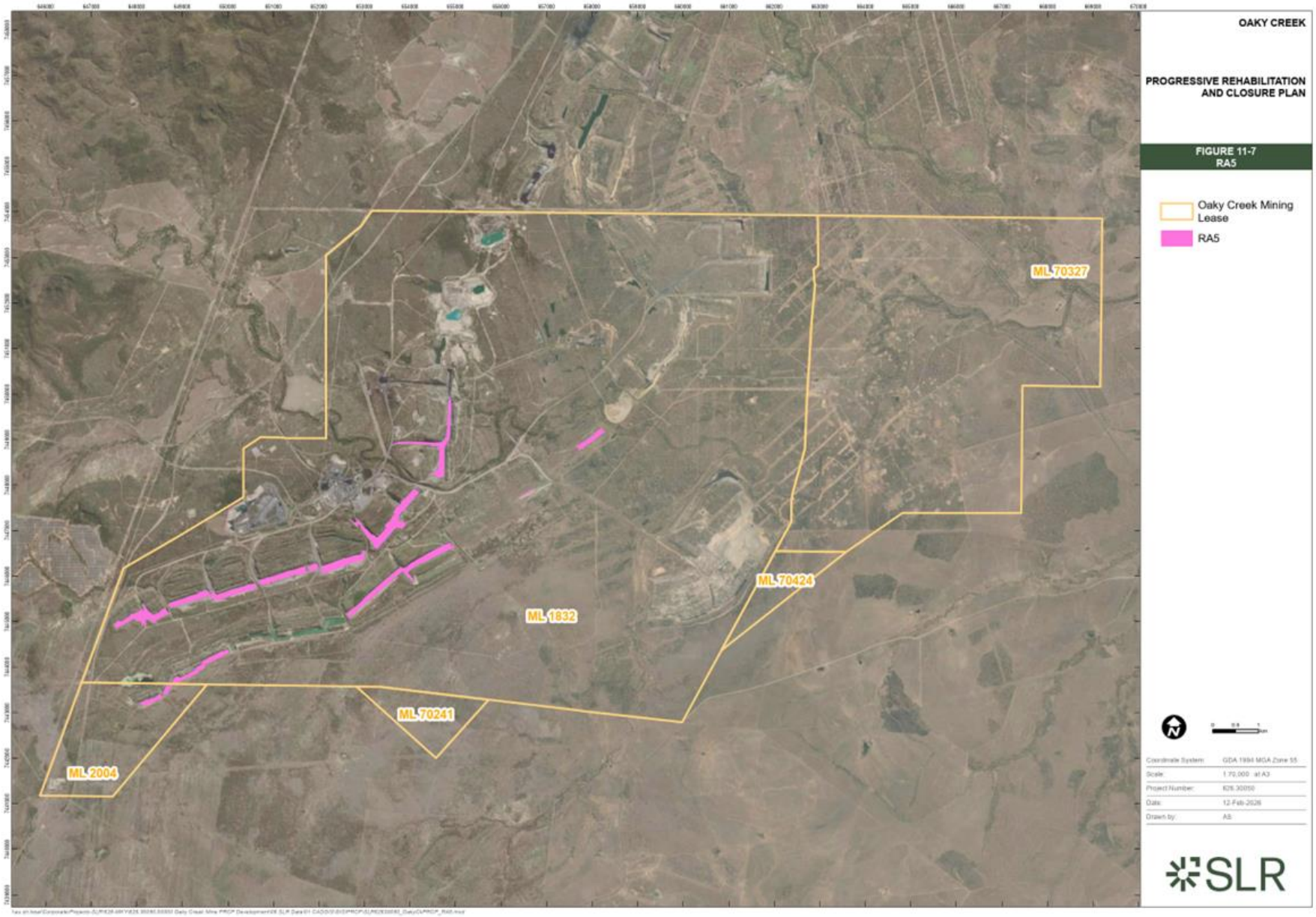
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2045	10/12/2046	10/12/2056	10/12/2058	10/12/2059	10/12/2060	10/12/2061	10/12/2063	10/12/2064	10/12/2065
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM3										
RM7	200									
RM8	160	200								
RM10			30	85	105	160	200			
RM11							30	85	105	160
RM13										

Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2066	10/12/2072								
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM3										

RM7										
RM8										
RM10										
RM11	200									
RM13		200								

Note:
[1] Open Woodland includes grazing as a land management tool.

Figure 7 – RA5 In-Pit Tailings and Reject Emplacements



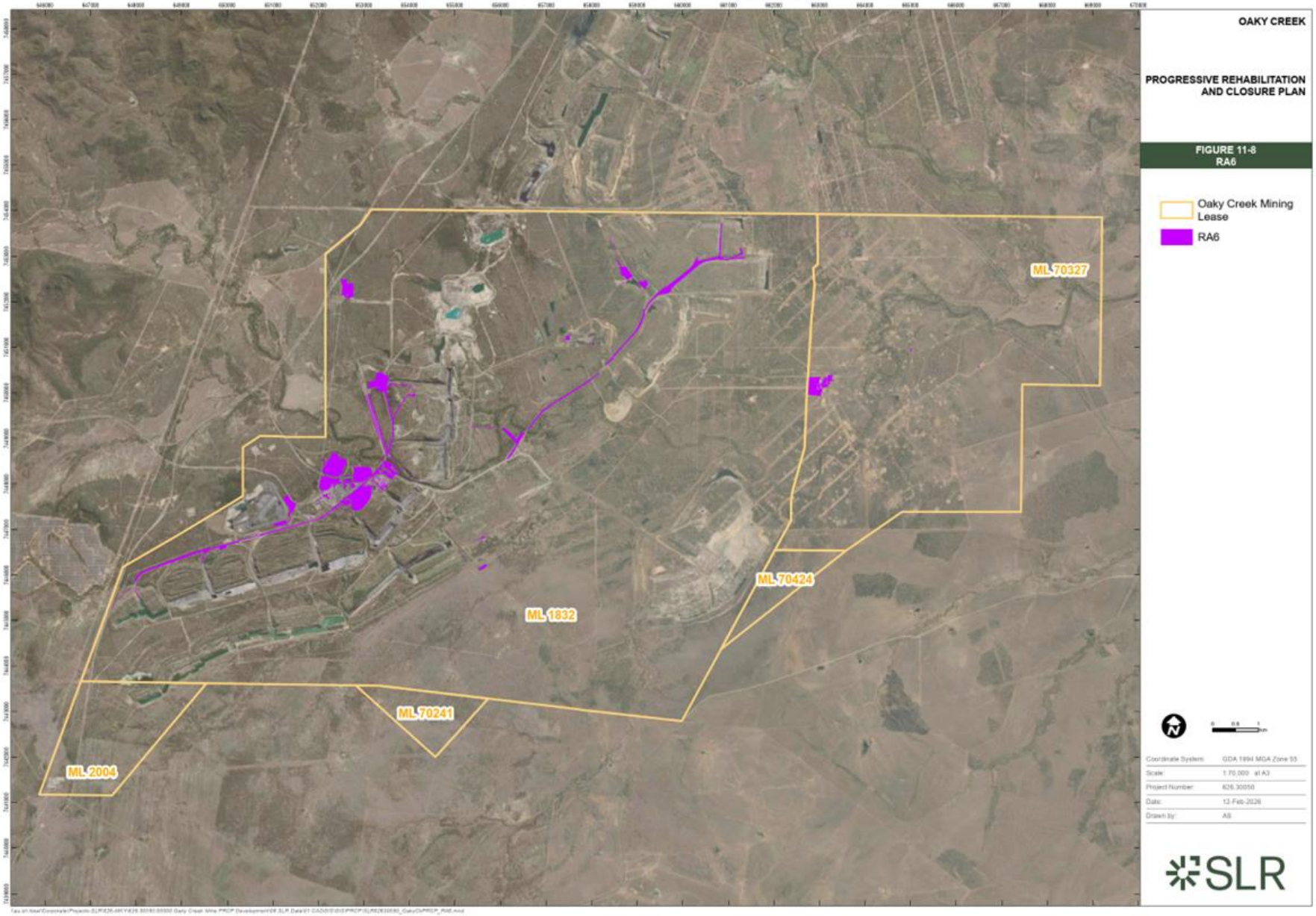
(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)										
Rehabilitation area	RA6									
Relevant activities	Infrastructure, Laydown Yards, ROM, Haul Roads, Water Storages									
Total rehabilitation area size (ha)	213									
Commencement of first milestone: RM1	10/12/2034									
PMLU	Grazing									
Date area is available	10/12/2034	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2042		
Cumulative area available (ha)	40	60	60	60	100	125	141	213		
Milestone completed by	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2044	10/12/2045
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	40	60	60	60	100	125	141	213		
RM2			40	60	60	60	100	125	141	213
RM3								40	60	60
RM7									40	60
RM8										40
RM9										
RM10										
RM11										
RM13										

Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2046	10/12/2047	10/12/2048	10/12/2049	10/12/2050	10/12/2051	10/12/2052	10/12/2054	10/12/2055	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM2										
RM3	60	100	125	141	213					
RM7	60	60	100	125	141	213				
RM8	60	60	60	100	125	141	213			
RM9					40	60	60	100	125	141
RM10									40	60
RM11										
RM13										
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2057	10/12/2059	10/12/2060	10/12/2061	10/12/2062	10/12/2064	10/12/2065	10/12/2066	10/12/2067	10/12/2072
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM2										

RM3										
RM7										
RM8										
RM9	213									
RM10	60	100	125	141	213					
RM11			40	60	60	100	125	141	213	
RM13										213

Figure 8 – RA6 Infrastructure, Laydown Yards, ROM, Haul Roads, Water Storages



(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)										
Rehabilitation area	RA7									
Relevant activities	Roads, Tracks, Seismic and Surface Disturbance Associated with Underground Mining									
Total rehabilitation area size (ha)	1722									
Commencement of first milestone: RM1	10/12/2026									
PMLU	Grazing									
Date area is available	10/12/2026	10/12/2027	10/12/2028	10/12/2029	10/12/2030	10/12/2031	10/12/2032	10/12/2033	10/12/2034	10/12/2035
Cumulative area available (ha)	191	346	408	569	730	860	990	1166	1342	1553
Milestone completed by	10/12/2028	10/12/2029	10/12/2030	10/12/2031	10/12/2032	10/12/2033	10/12/2034	10/12/2035	10/12/2036	10/12/2037
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	191	346	408	569	730	860	990	1166	1342	1553
RM3			191	346	408	569	730	860	990	1166
RM4						191	346	408	569	730
RM5										
RM10										
RM11										
RM13										

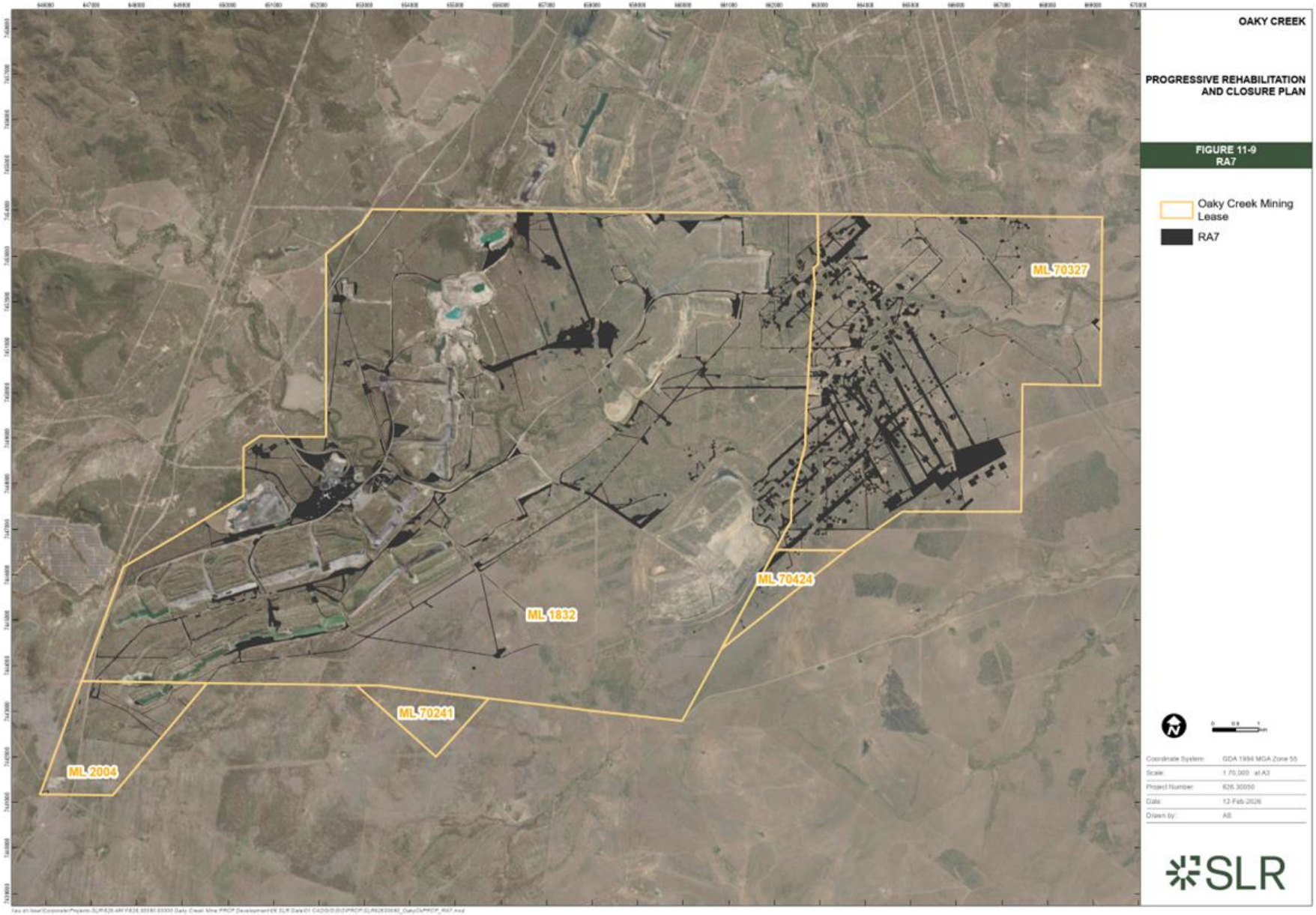
Date area is available	10/12/2036									
Cumulative area available (ha)	1722									
Milestone completed by	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2044	10/12/2045	10/12/2046	10/12/2047
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	1722									
RM3	1342	1553	1722							
RM4	860	990	1166	1342	1553	1722				
RM5	191	346	408	569	730	860	990	1166	1342	1553
RM10						191	346	408	569	730
RM11										
RM13										

Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2048	10/12/2049	10/12/2050	10/12/2051	10/12/2052	10/12/2053	10/12/2054	10/12/2055	10/12/2056	10/12/2057
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM3										
RM4										

RM5	1722									
RM10	860	990	1166	1342	1553	1722				
RM11	191	346	408	569	730	860	990	1166	1342	1553
RM13										

Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2058	10/12/2072								
Milestone Reference	**Cumulative area achieved (ha)**									
RM1										
RM3										
RM4										
RM5										
RM10										
RM11	1722									
RM13		1722								

Figure 9 – RA7 Roads, Tracks, Seismic and Surface Disturbance Associated with Underground Mining

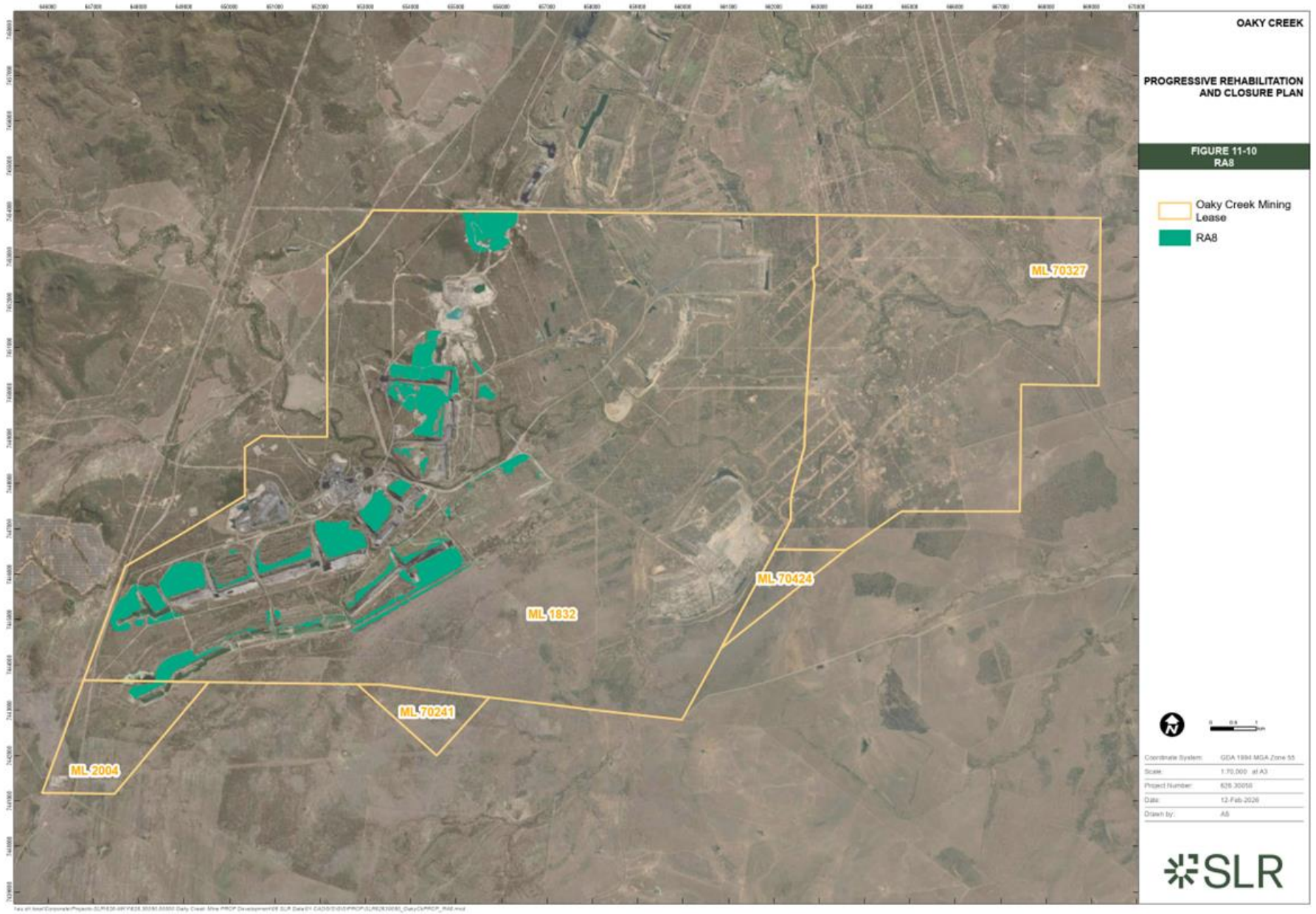


(RA8) Rehabilitation area 8

Post-mining land uses (PMLU)										
Rehabilitation area	RA8									
Relevant activities	Internally Draining Rehabilitation (IDR) Rehabilitation up to end of 2003									
Total rehabilitation area size (ha)	691									
Commencement of first milestone: RM12	10/12/2026									
PMLU	Open Woodland (IDR)[1]									
Date area is available	10/12/2026									
Cumulative area available (ha)	691									
Milestone completed by	10/12/2031	10/12/2072								
Milestone Reference	**Cumulative area achieved (ha)**									
RM12	691									
RM13		691								

Note:
[1] Open Woodland includes grazing as a land management tool.

Figure 10 – RA8 Existing Rehabilitation IDR - Rehabilitation up to end of 2003

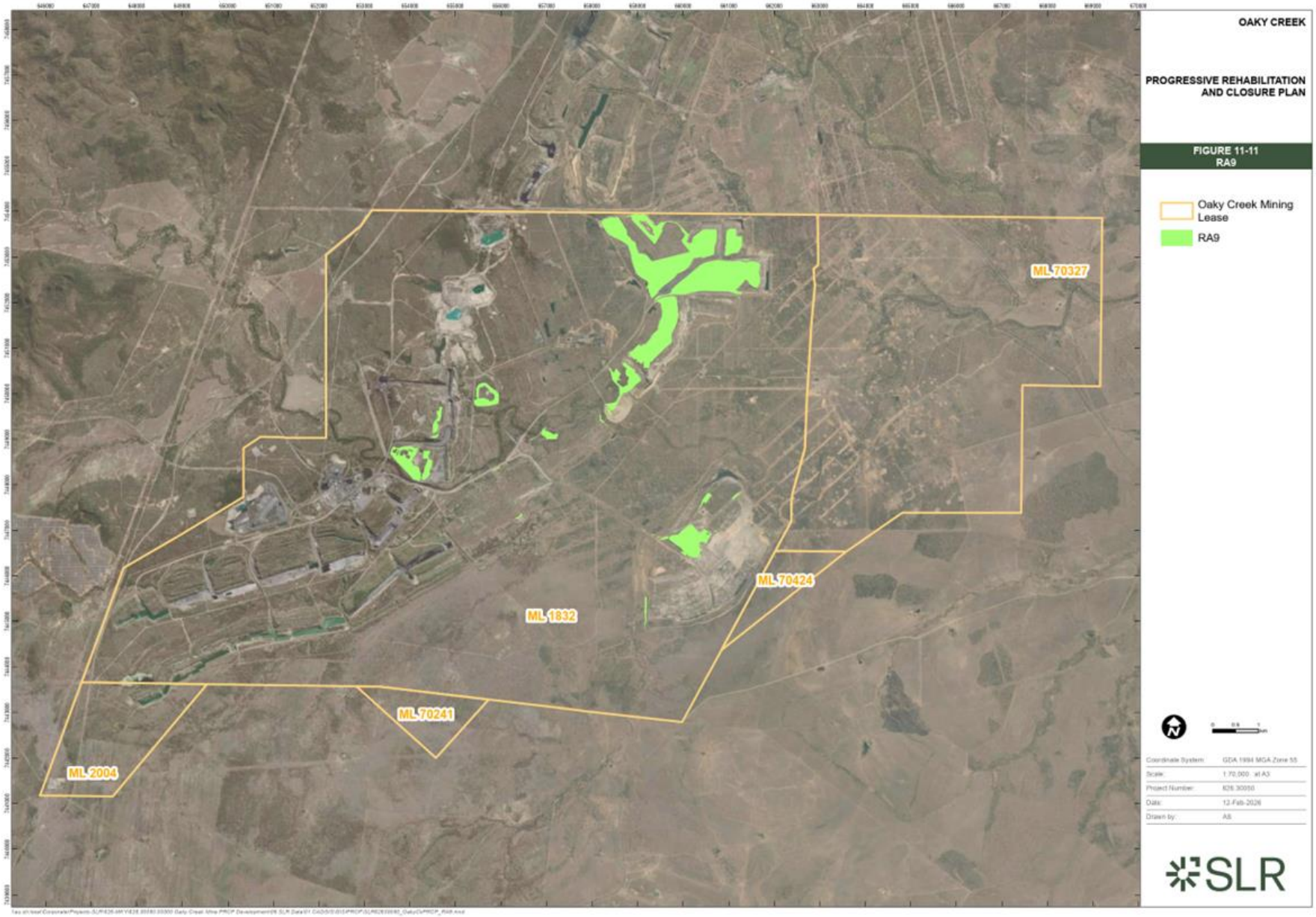


(RA9) Rehabilitation area 9

Post-mining land uses (PMLU)										
Rehabilitation area	RA9									
Relevant activities	Internally Draining Rehabilitation (IDR) Rehabilitation from 2004 to 14 August 2014									
Total rehabilitation area size (ha)	466									
Commencement of first milestone: RM12	10/12/2026									
PMLU	Open Woodland[1]									
Date area is available	10/12/2026									
Cumulative area available (ha)	466									
Milestone completed by	10/12/2031	10/12/2072								
Milestone Reference	**Cumulative area achieved (ha)**									
RM12	466									
RM13		466								

Note:
[1] Open Woodland includes grazing as a land management tool.

Figure 11 – RA9 IDR Rehabilitation 2004 up to 14 August 2014

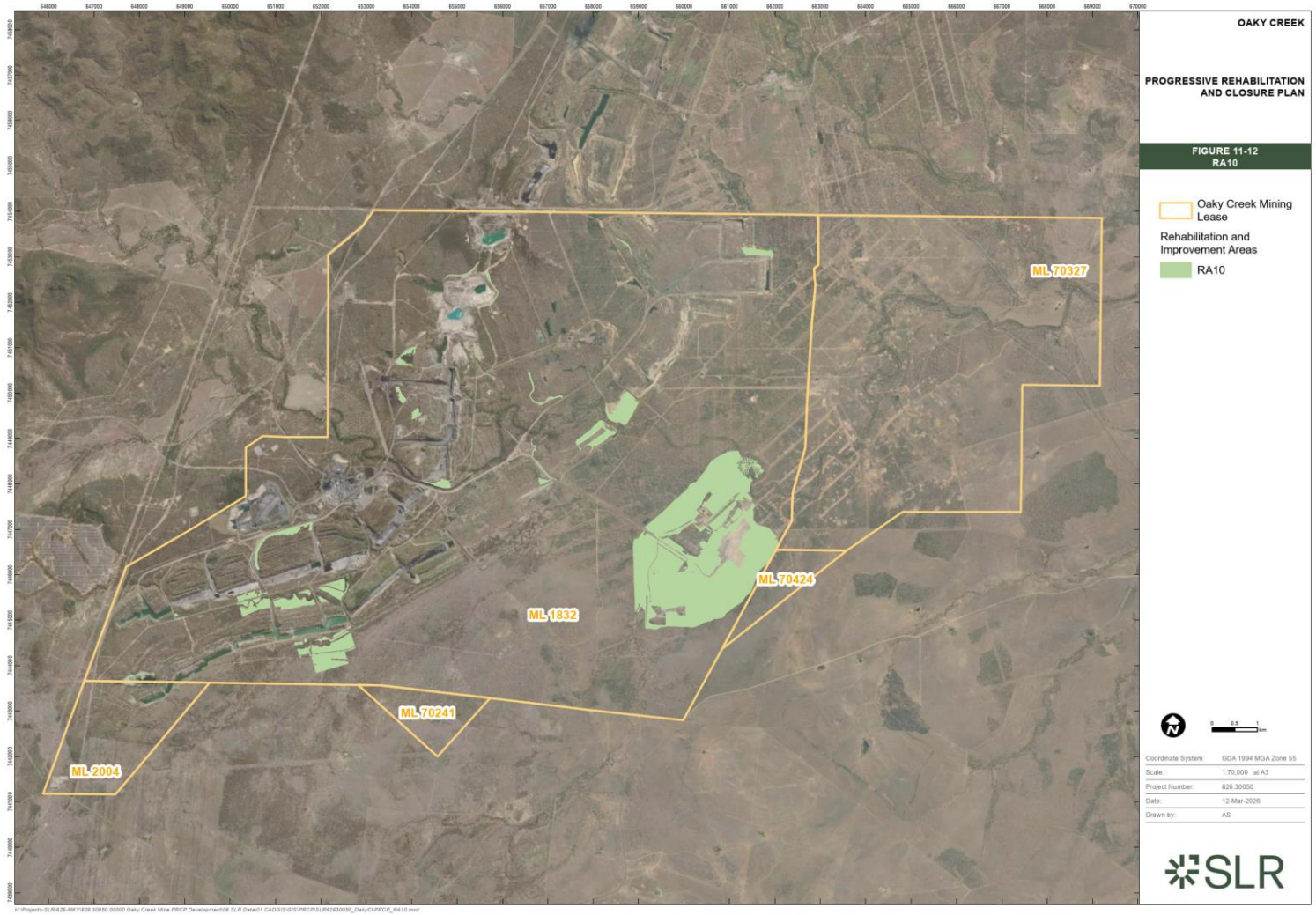


(RA10) Rehabilitation area 10

Post-mining land uses (PMLU)										
Rehabilitation area	RA10									
Relevant activities	Existing Rehabilitation 2015 - 2025									
Total rehabilitation area size (ha)	545									
Commencement of first milestone: RM12	10/12/2026									
PMLU	Open Woodland[1]									
Date area is available	10/12/2026									
Cumulative area available (ha)	545									
Milestone completed by	10/12/2031	10/12/2072								
Milestone Reference	**Cumulative area achieved (ha)**									
RM12	545									
RM13		545								

Note:
[1] Open Woodland includes grazing as a land management tool.

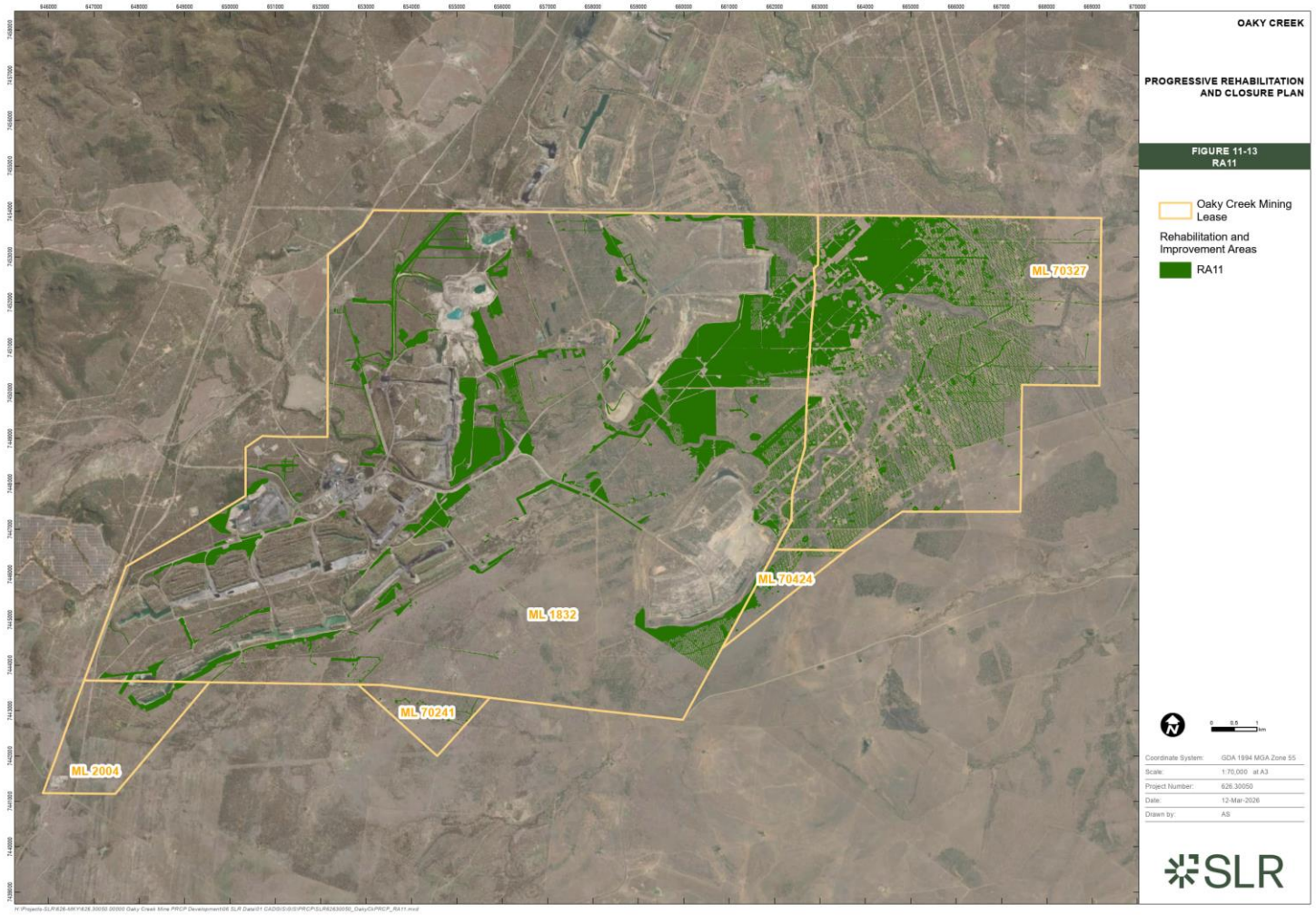
Figure 12 – RA10 Existing Rehabilitation 2015 – 2025 (Open Woodland)



(RA11) Rehabilitation area 11

Post-mining land uses (PMLU)										
Rehabilitation area	RA11									
Relevant activities	Existing Rehabilitation 2015 - 2025									
Total rehabilitation area size (ha)	2530									
Commencement of first milestone: RM12	10/12/2026									
PMLU	Grazing									
Date area is available	10/12/2026									
Cumulative area available (ha)	2530									
Milestone completed by	10/12/2031	10/12/2072								
Milestone Reference	**Cumulative area achieved (ha)**									
RM12	2530									
RM13		2530								

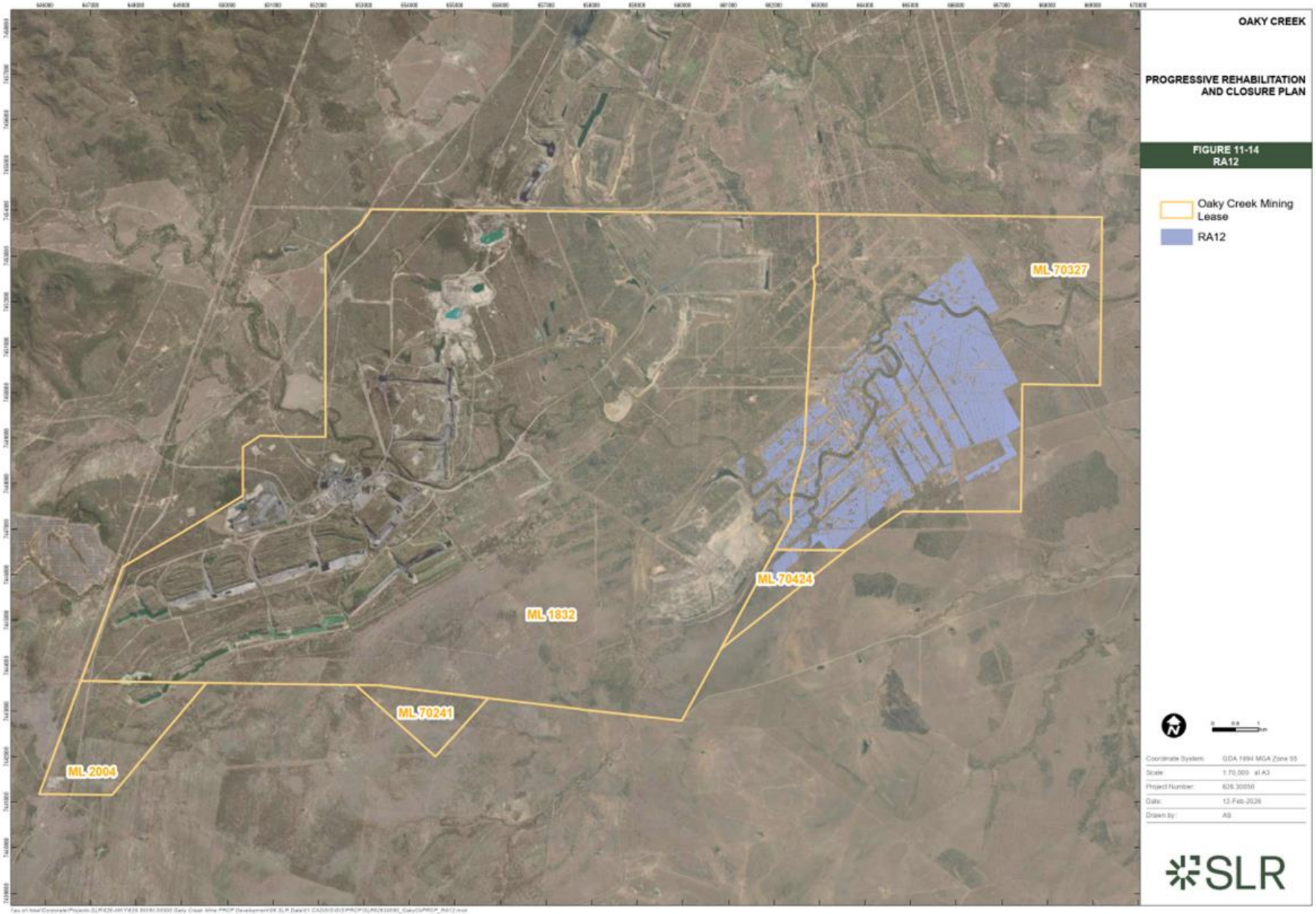
Figure 13 – RA11 Existing Rehabilitation 2015 – 2025 (Grazing)



(RA12) Rehabilitation area 12

Post-mining land uses (PMLU)										
Rehabilitation area	RA12									
Relevant activities	Subsidence Extent									
Total rehabilitation area size (ha)	1105									
Commencement of first milestone: RM1	10/12/2030									
PMLU	Grazing									
Date area is available	10/12/2030	10/12/2038								
Cumulative area available (ha)	314	1105								
Milestone completed by	10/12/2036	10/12/2041	10/12/2044	10/12/2046	10/12/2049	10/12/2051	10/12/2054	10/12/2059	10/12/2072	
Milestone Reference	**Cumulative area achieved (ha)**									
RM1	314	314	1105							
RM5		314	314	314	1105					
RM10				314	314	314	1105			
RM11						314	314	1105		
RM13									1105	

Figure 14 – RA12 Subsidence Extent

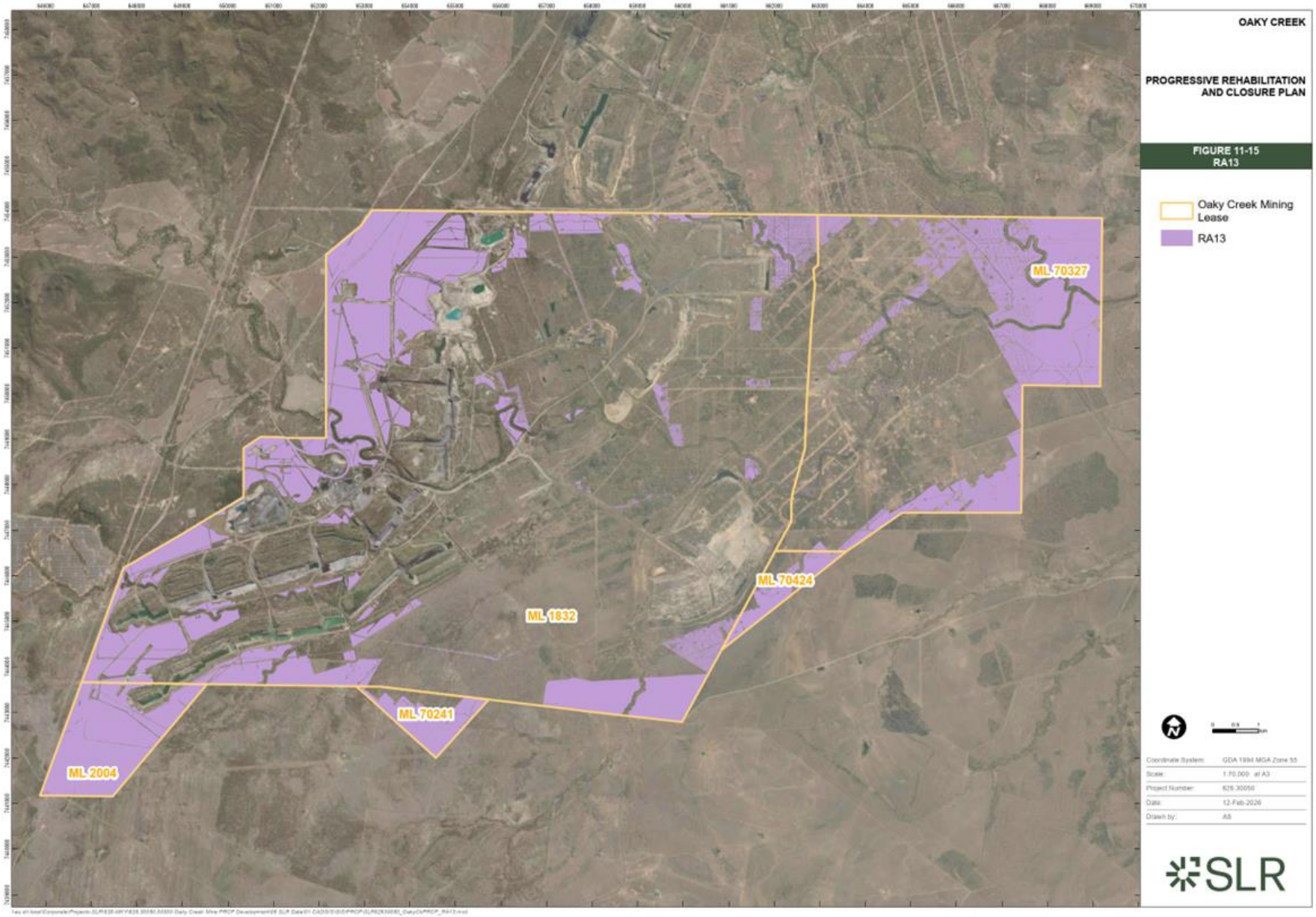


(RA13) Rehabilitation area 13

Post-mining land uses (PMLU)									
Rehabilitation area	RA13								
Relevant activities	Exploration* and Ancillary Activities								
Total rehabilitation area size (ha)	4185								
Commencement of first milestone: RM1	10/12/2072								
PMLU	Grazing								
Date area is available	10/12/2072								
Cumulative area available (ha)	4185								
Milestone completed by	10/12/2074	10/12/2076	10/12/2077	10/12/2078	10/12/2083	10/12/2088	10/12/2093		
Milestone Reference	**Cumulative area achieved (ha)**								
RM1	4185								
RM3		4185							
RM7			4185						
RM8				4185					
RM10					4185				
RM11						4185			
RM13							4185		

Note:
* Exploration activities must be rehabilitated in accordance with the *Eligibility criteria and standard conditions for exploration and mineral development projects* (ESR/2016/1985, Version 2).

Figure 15 – RA13 Exploration and Ancillary Activities

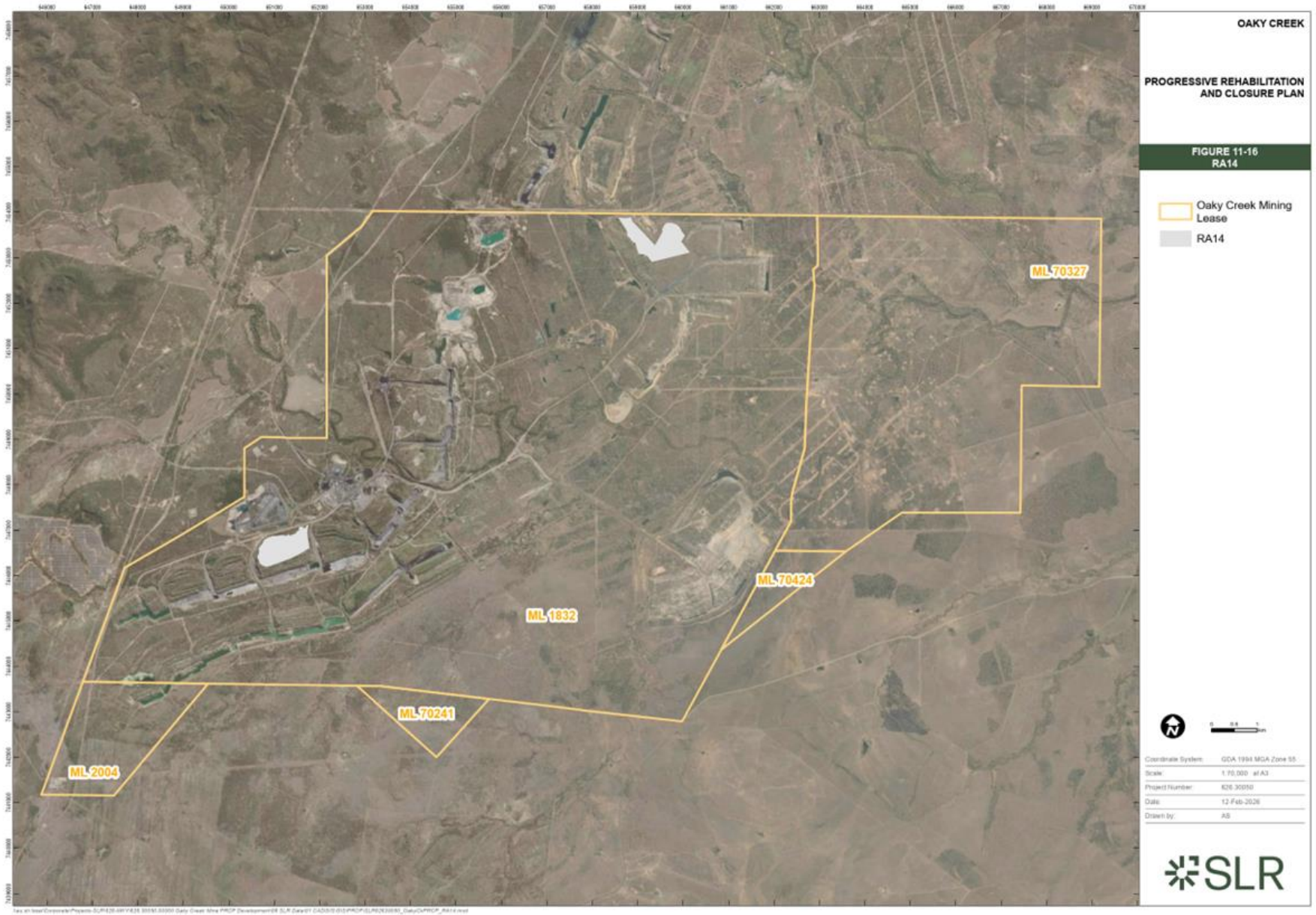


(RA14) Rehabilitation area 14

Post-mining land uses (PMLU)										
Rehabilitation area	RA14									
Relevant activities	Certified Grasstree and G5S (approved 16 December 2020)									
Total rehabilitation area size (ha)	132									
Commencement of first milestone: RM14	10/12/2020									
PMLU	Open Woodland[1]									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2020									
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	132									

Note:
[1] Open Woodland includes grazing as a land management tool.

Figure 16 – RA14 Certified Grasstree and G5S (approved 16 December 2020)

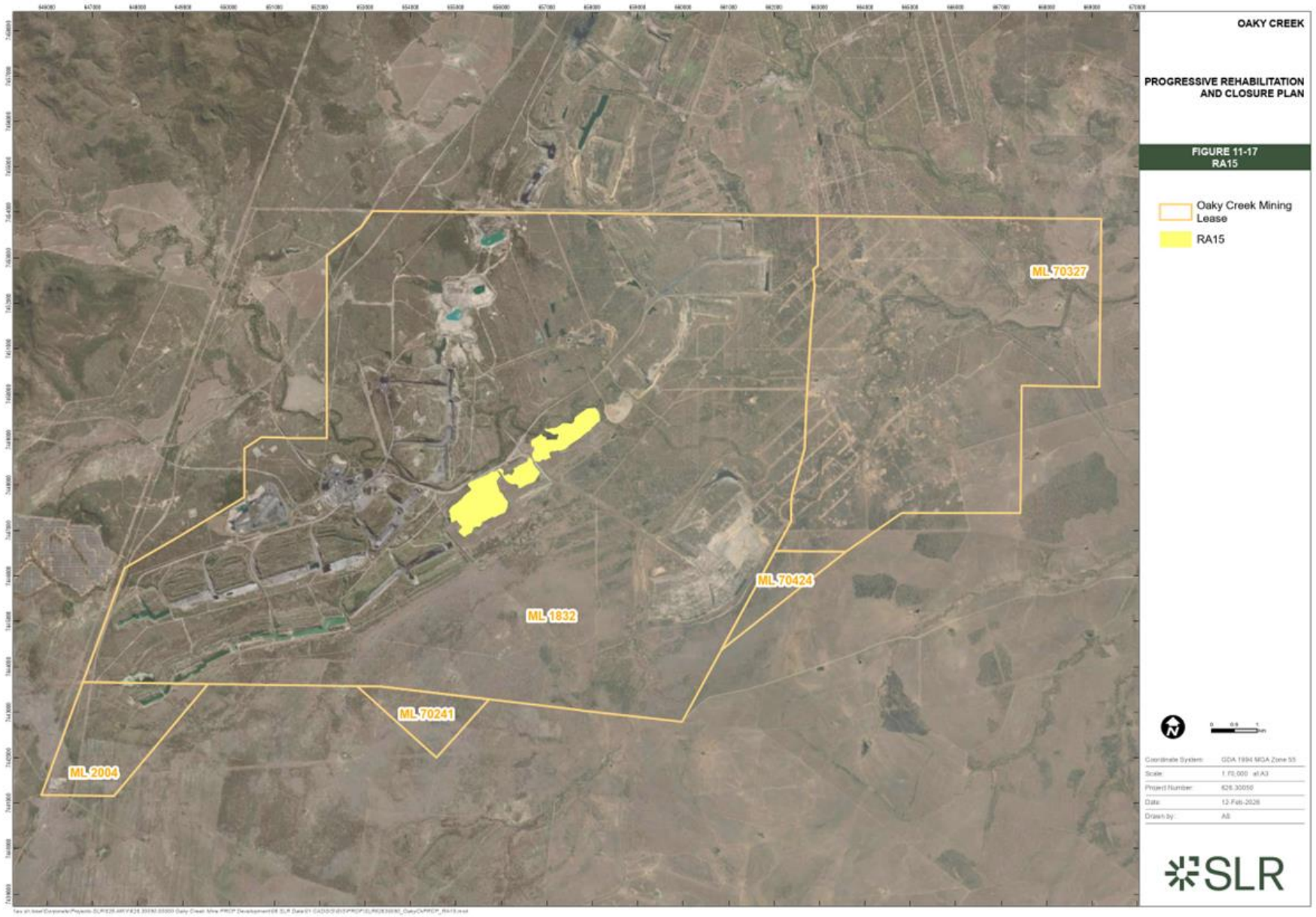


(RA15) Rehabilitation area 15

Post-mining land uses (PMLU)										
Rehabilitation area	RA15									
Relevant activities	Certified A5 Landform (2001 IDR Section) and A6 Landform (2009 IDR Section) (approved 16 June 2022)									
Total rehabilitation area size (ha)	200									
Commencement of first milestone: RM14	10/12/2022									
PMLU	Open Woodland[1]									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2022									
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	200									

Note:
[1] Open Woodland includes grazing as a land management tool.

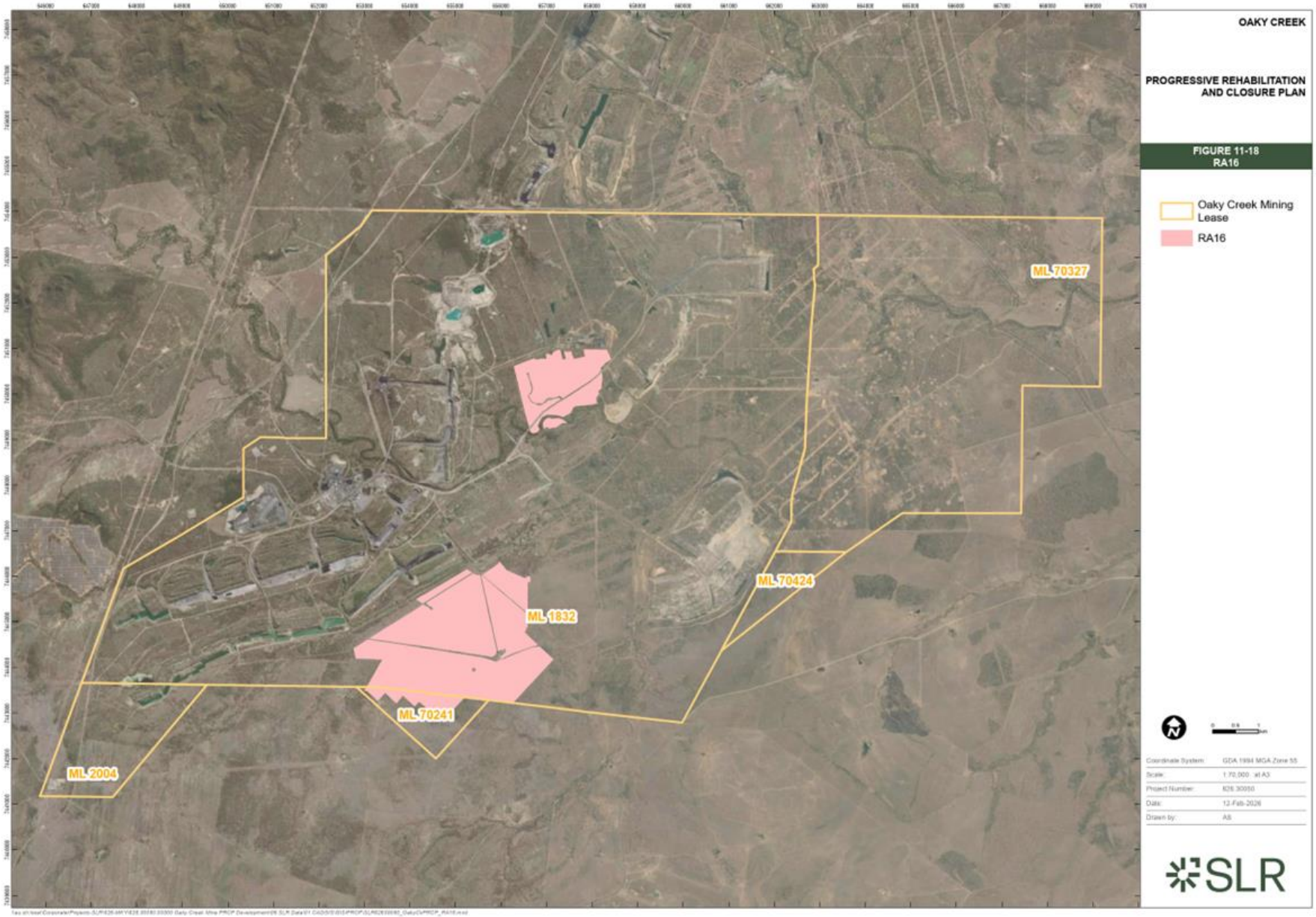
Figure 17 – RA15 Certified A5 Landform (2001 IDR Section) and A6 Landform (2009 IDR Section) (approved 16 June 2022)



(RA16) Rehabilitation area 16

Post-mining land uses (PMLU)										
Rehabilitation area	RA16									
Relevant activities	Certified A6 North Seismic Area (approved 16 June 2022) and Certified OC1 (approved 29 June 2023)									
Total rehabilitation area size (ha)	1093									
Commencement of first milestone: RM14	10/12/2022									
PMLU	Grazing									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2022	10/12/2023								
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	233	1093								

Figure 18 – RA16 Certified A6 North Seismic Area (approved 16 June 2022) and Certified OC1 (approved 29 June 2023)

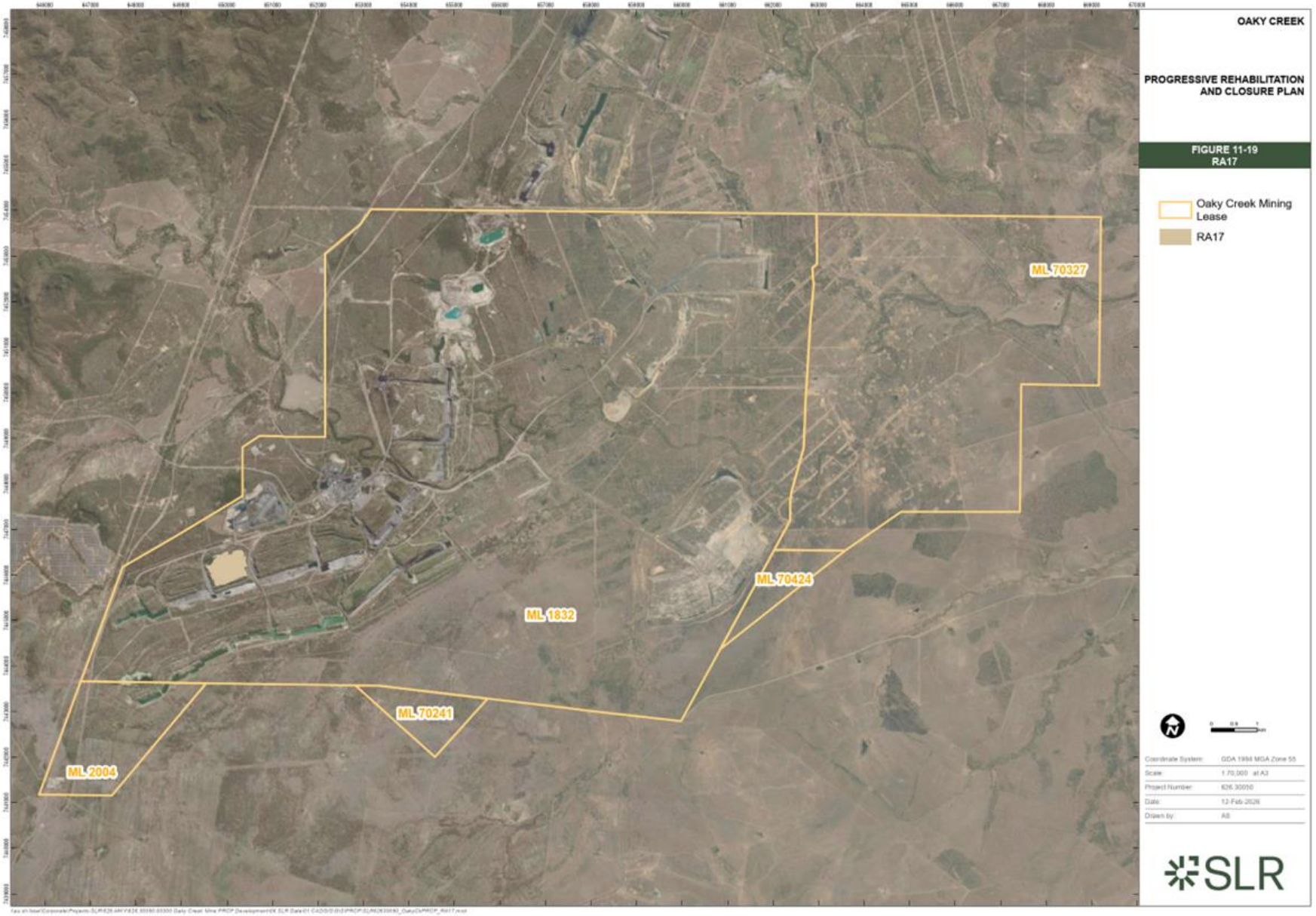


(RA17) Rehabilitation area 17

Post-mining land uses (PMLU)										
Rehabilitation area	RA17									
Relevant activities	Certified G4 East (IDR) (approved 29 June 2023)									
Total rehabilitation area size (ha)	48									
Commencement of first milestone: RM14	10/12/2023									
PMLU	Open Woodland[1]									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2023									
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	48									

Note:
[1] Open Woodland includes grazing as a land management tool.

Figure 19 – RA17 Certified G4 East (IDR) (approved 29 June 2023)

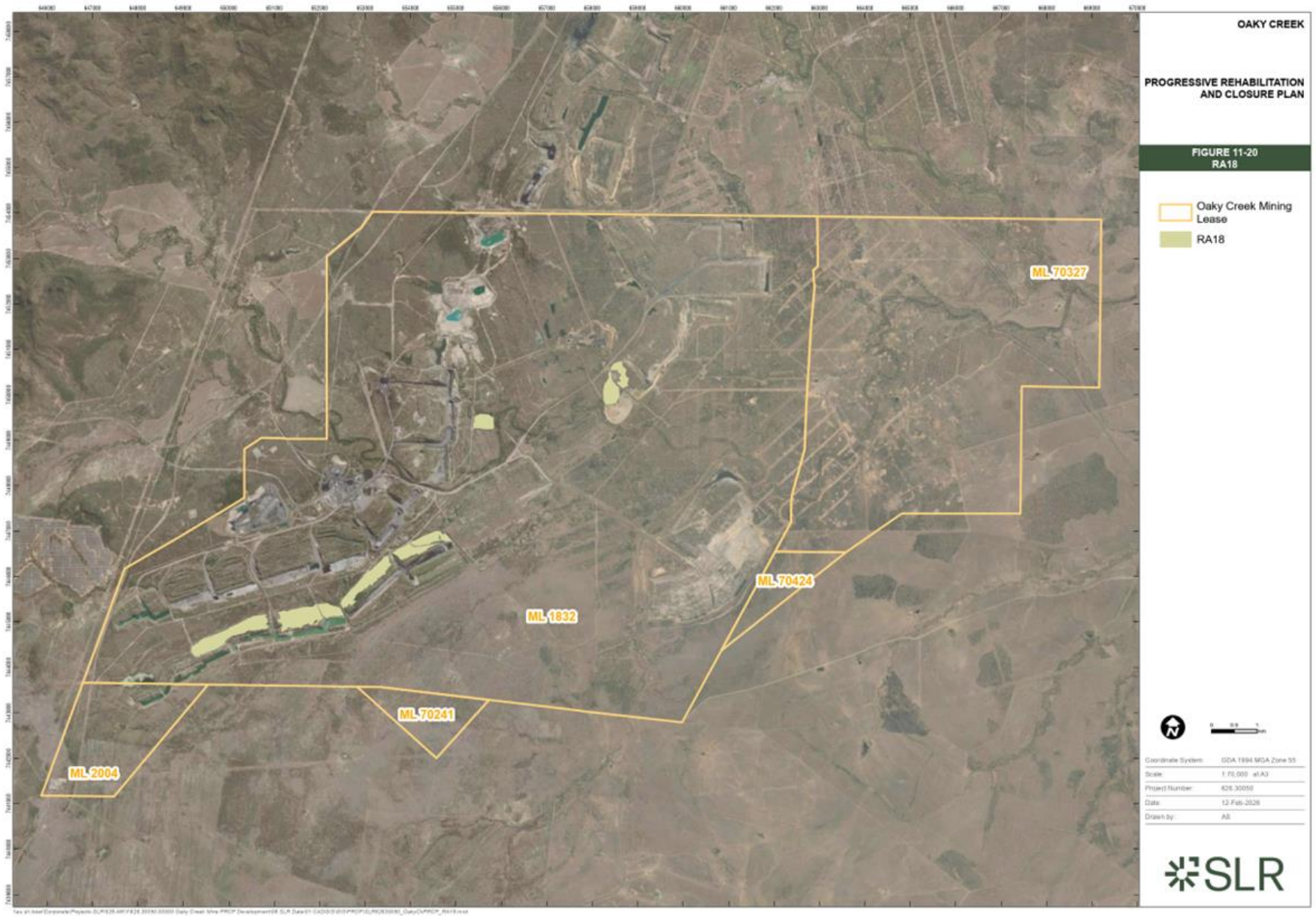


(RA18) Rehabilitation area 18

Post-mining land uses (PMLU)										
Rehabilitation area	RA18									
Relevant activities	Certified A7 South, A3 East, A3 Mid, A4 South, A4 North and G7 East (approved 3 March 2025)									
Total rehabilitation area size (ha)	197									
Commencement of first milestone: RM14	10/12/2025									
PMLU	Open Woodland[1]									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2025									
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	197									

Note:
[1] Open Woodland includes grazing as a land management tool.

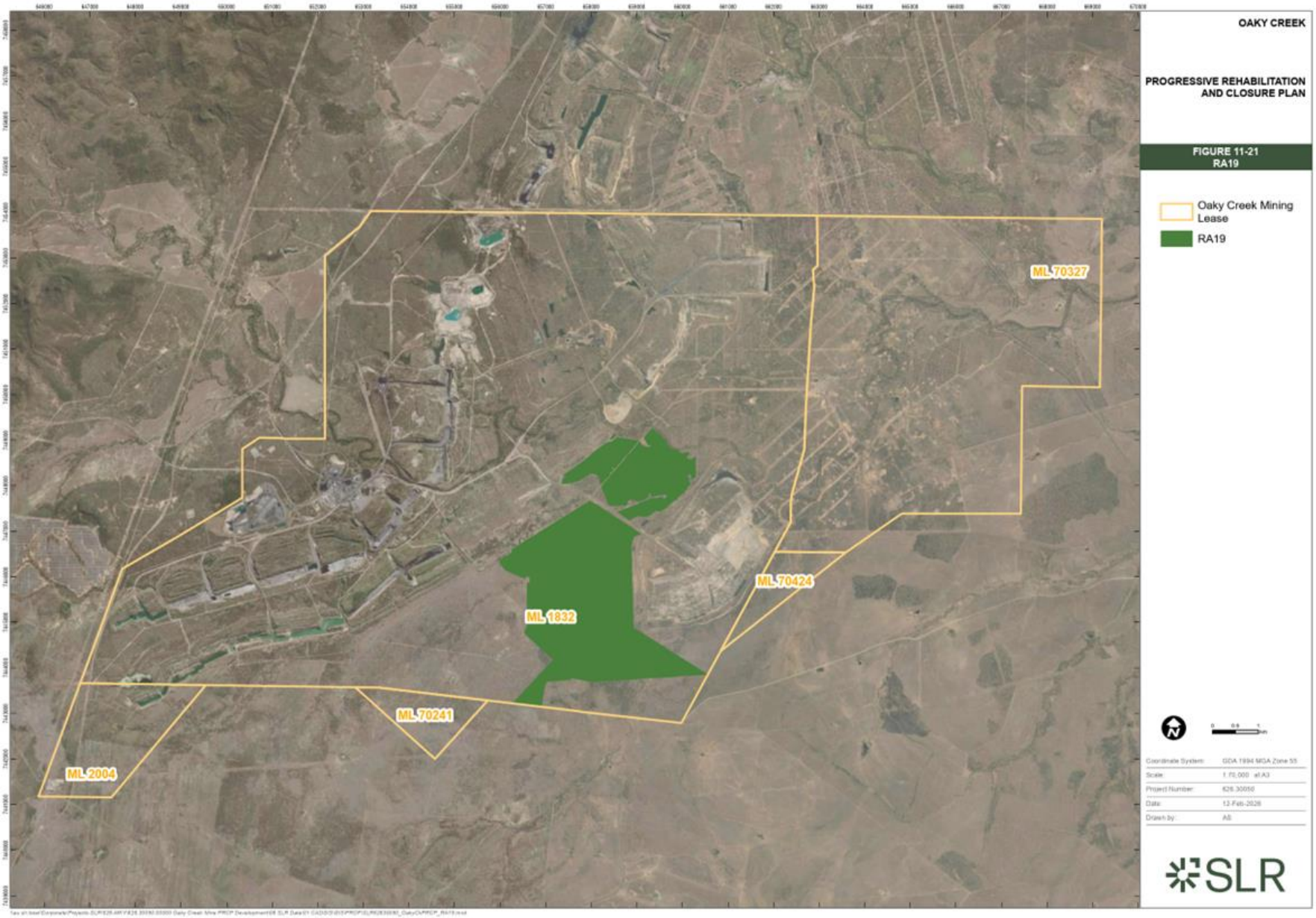
Figure 20 – RA18 Certified A7 South, A3 East, A3 Mid, A4 South, A4 North and G7 East (approved 3 March 2025)



(RA19) Rehabilitation area 19

Post-mining land uses (PMLU)										
Rehabilitation area	RA18									
Relevant activities	Certified OC1 LW 25-33 and OCN LW 1-10 (approved 3 March 2025)									
Total rehabilitation area size (ha)	1262									
Commencement of first milestone: RM14	10/12/2025									
PMLU	Grazing									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2025									
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	1262									

Figure 21 – RA19 Certified OC1 LW 25-33 and OCN LW 1-10 (approved 3 March 2025)

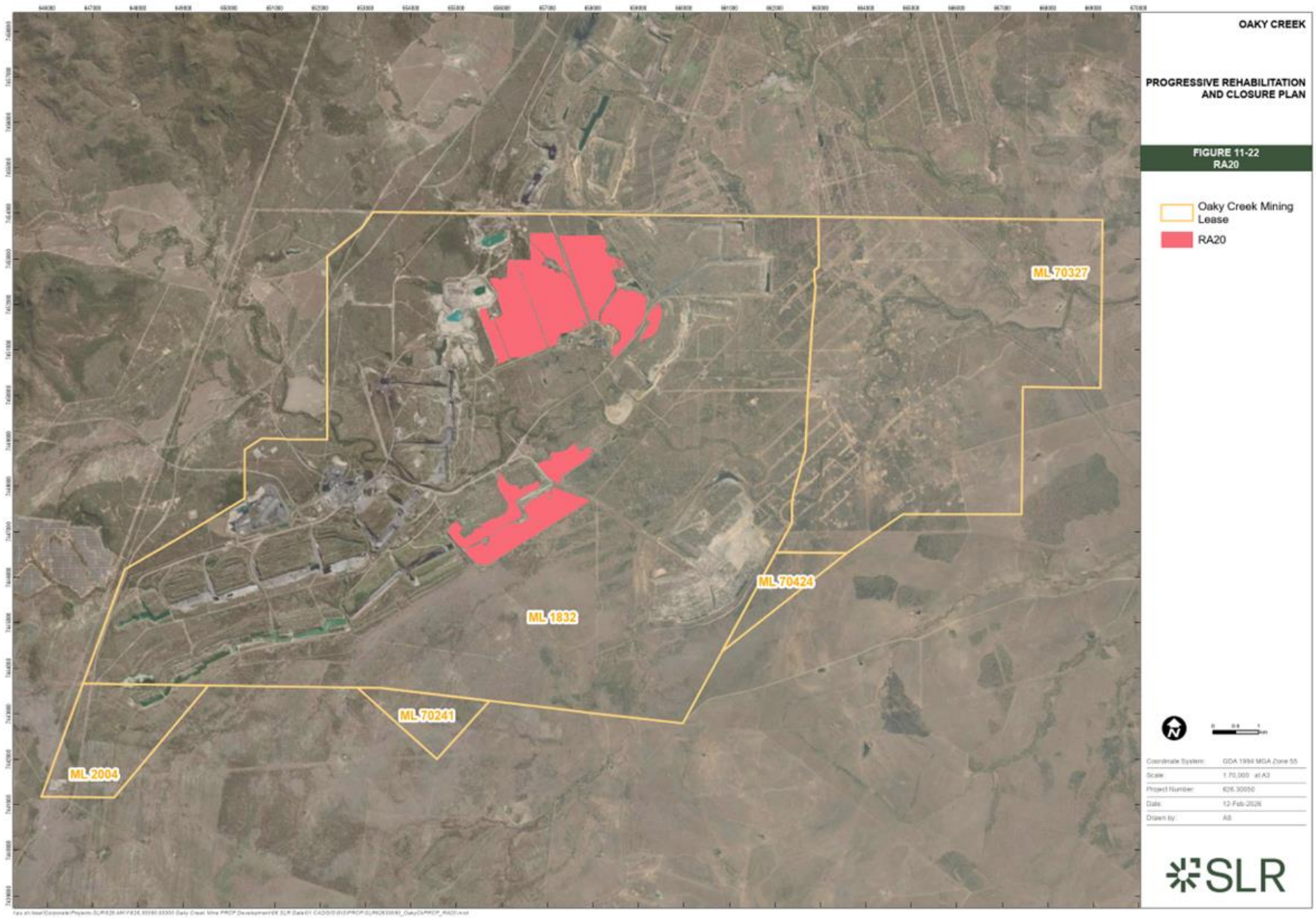


(RA20) Rehabilitation area 20

Post-mining land uses (PMLU)									
Rehabilitation area	RA20								
Relevant activities	Certified A5 Highwall, A7 Seismic and Northern LW & A5 and A6 Pit and Ramp (approved 3 March 2026)								
Total rehabilitation area size (ha)	880								
Commencement of first milestone: RM14	10/12/2026								
PMLU	Grazing (758ha) / Open Woodland[1] (122ha)								
Date area is available									
Cumulative area available (ha)									
Milestone completed by	10/12/2026								
Milestone Reference	**Cumulative area achieved (ha)**								
RM14	880								

Note:
[1] Open Woodland includes grazing as a land management tool.

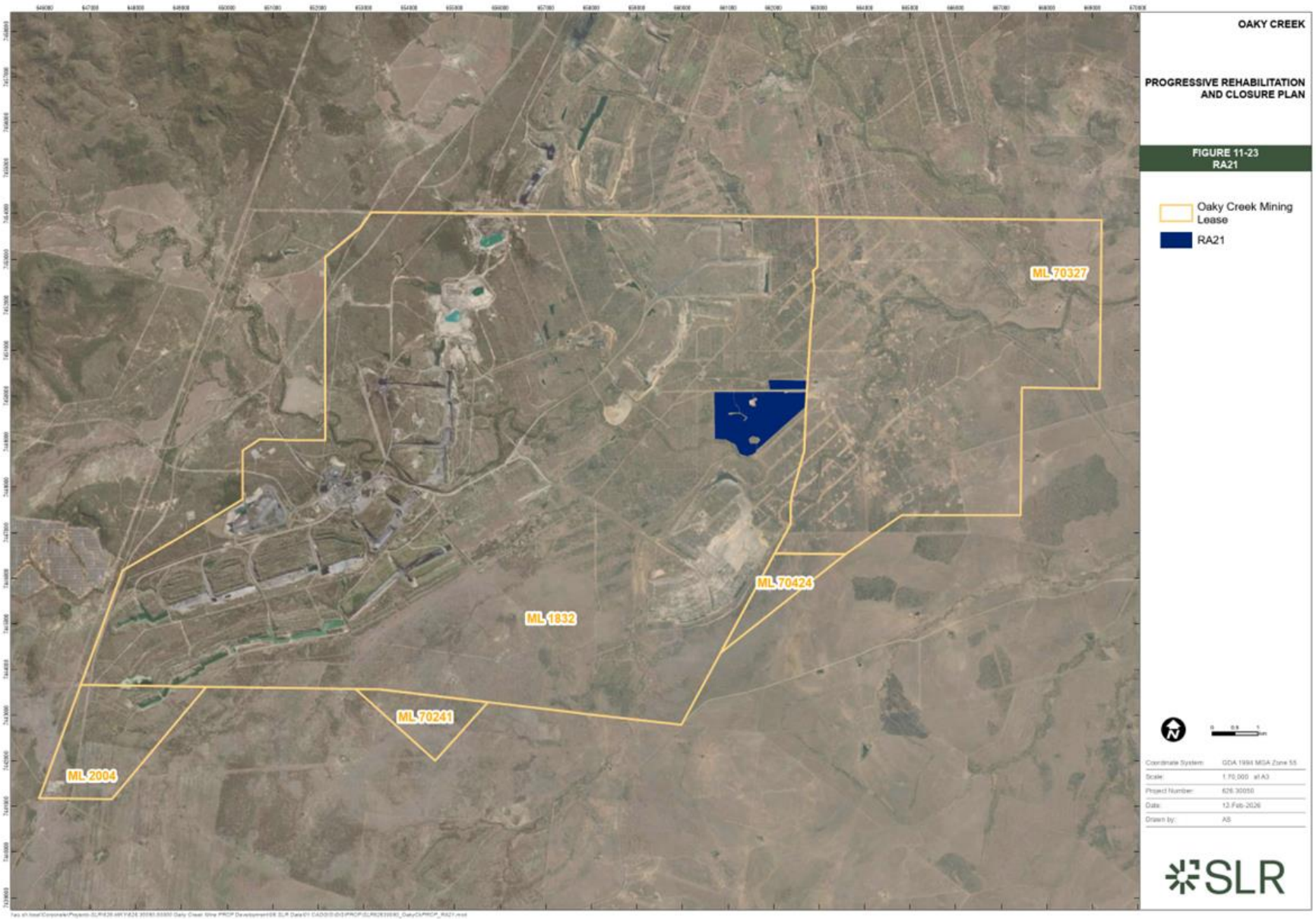
Figure 22 – RA20 Certified A5 Highwall, A7 Seismic and Northern LW & A5 and A6 Pit and Ramp (approved 3 March 2026)



(RA21) Rehabilitation area 21

Post-mining land uses (PMLU)										
Rehabilitation area	RA21									
Relevant activities	Application for Certification: 2025 PRC Areas LW 400s & 700s series (approved TBC)									
Total rehabilitation area size (ha)	205									
Commencement of first milestone: RM14	10/12/2027									
PMLU	Grazing									
Date area is available										
Cumulative area available (ha)										
Milestone completed by	10/12/2027									
Milestone Reference	**Cumulative area achieved (ha)**									
RM14	205									

Figure 23 – RA21 Application for Certification 2025 PRC Areas LW 400s & 700s series (approved TBC)



Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal (RA1, RA3, RA4, RA5, RA6, RA7, RA12 & RA13)	1.1 With the exception of any infrastructure to remain as part of the post-mining land use (PMLU), or to be retained under landholder agreement, the following are complete: (a) All services disconnected and removed; (b) All buildings and associated infrastructure dismantled and removed offsite. (c) All hardstand, concrete areas and roads (bitumen, blue metal, aggregate etc.) removed. (d) All fencing and associated foundations removed. (e) All pipelines drained and removed. (f) All waste not authorised to be disposed of on-site under Environmental Authority EPML00942413 removed. (g) All surface water drainage infrastructure that does not 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) Watercourse crossings and culverts removed. (k) For dams: i. Where present, liners are removed; ii. All contaminated sediment has been removed; and iii. Earthworks are completed to decommission dam walls. 1.2 Below-ground infrastructure and services deeper than 0.5m in relation to the final landform surface may be retained provided: (a) All pipelines have been drained and capped or filled with inert material; and (b) All below-ground infrastructure to be retained is mapped; and (c) The intended PMLU is not compromised; and

Milestone reference	Rehabilitation milestone	Milestone criteria
		(d) There is no ongoing risk of environmental harm. 1.3 Confirm that all gas drainage boreholes associated with panels decommissioned in accordance with the Code of Practice for the Construction and Abandonment of Petroleum wells and associated bores in Queensland (State of Queensland 2019) or latest edition. 1.4 Confirm that for all surface to seam boreholes (including but not limited to, exploration bores, water monitoring bores, dewatering bores and bores with diameter up to 300mm): (a) Boreholes grouted and/or plugged. (b) Boreholes capped 0.5 m below surface. (c) Decommission of exploration bores completed in accordance with '*Eligibility Criteria and Standard Conditions for Exploration and Mineral Development Projects*'.
RM2	Identification, remediation and removal of contaminated land (RA6)	2.1 Contaminated Land Investigation Document completed in accordance with the *Environmental Protection Act 1994*, including a site investigation report, and, where required, a Validation Report and/or a draft Site Management Plan. 2.2 Contaminated water and sediment removed from dams. 2.3 Contaminated and hazardous material either remediated in-situ or removed/transported to facility lawfully able to accept the material. 2.4 An SQP provides a site suitability statement that confirms the land is not unsuitable for the proposed PMLU.
RM3	Landform development (re-profiling / re shaping) (RA1, RA2 RA3, RA5, RA6, RA7 & RA13)	3.1 Final rehabilitated landforms assessed as geotechnically stable by an AQP. 3.2 Disturbed slopes not steeper than 21%. 3.3 No highwalls are present in the landform. 3.4 Voids to be reshaped to achieve batter slopes as specified in **Attachment 1 – Voids and treatment**. 3.5 Disturbed natural watercourse bed and banks returned to a natural condition with profile similar to the pre-disturbance condition (applies to **RA3** only). 3.6 All landforms are shaped to be free draining (except **RA2** and **RA3**).

Milestone reference	Rehabilitation milestone	Milestone criteria
		3.7 Environmentally problematic materials are appropriately placed and located within the final landform, consistent with the relevant designs. 3.8 In-pit tailings/reject material capped with minimum of 2m of inert material. <u>Interaction of Landform and 0.1% AEP</u> 3.9 Selective placement of non-erosive materials and/or rock mulch protection to ensure landform stability as per AQP's advice.
RM4	Sealing of shafts and portals (**RA7**)	4.1 Construction of seal for shafts/portal as per certified design by RPEQ. 4.2 Upper sections of ventilation shafts backfilled with inert material.
RM5	Subsidence rehabilitation (**RA7** and **RA12**)	5.1 Any active erosion resulting from subsidence is remediated by: (a) Shallow rip to infill surface cracks. (b) Install channels to allow free drainage, where required. (c) Seeding where rapid groundcover is required to control erosion (e.g. creek bank).
RM6	Out of pit TSF (**RA4**)	6.1 All bulk earthworks and landform reshaping/reprofiling works completed as per Landform Closure Design Report required under condition **PRCP8**. 6.2 RPEQ certification of capping construction as per Landform Closure Design Report required under condition **PRCP8**.
RM7	Surface preparation (topdressing, contour ripping, soil amelioration) (RA1, RA3, RA4, RA5, RA6 & RA13)	7.1 Topsoil placed at a depth ≥100mm (for applicable RAs with Grazing PMLU). 7.2 Topsoil or growth medium is tested prior to placement on the landform under **RM7.1** for the parameters in **Attachment 2 – Growth Media Quality Criteria**. 7.3 Where the topsoil or growth medium tested under **RM7.2** does not meet the criteria of **Attachment 2 – Growth Media Quality Criteria**, the topsoil or growth medium is ameliorated and fertilised to the recommendations of an AQP. 7.4 Deep ripping of compacted surfaces, at least 300mm into soil/subsoil profile along contour of slopes. <u>Out of Pit TSF (**RA4**)</u>

Milestone reference	Rehabilitation milestone	Milestone criteria
		7.5 Topsoil or growth medium placed at a depth and quality as per the Landform Closure Design Report required under **PRCP8**. 7.6 Groundwater bores installed at the TSF, as shown in **Attachment 3 – Out of pit TSF groundwater monitoring bores**.
RM8	Revegetation (RA1, RA3, RA4, RA5, RA6 & RA13)	8.1 With the exception of non-persistent cover crop species, the seed mix contains a selection of species listed in **Attachment 4 – Seed Mix Species List** for the relevant PMLU. 8.2 Seed mix applied at the rate for the relevant PMLU as detailed in in **Attachment 4 – Seed Mix Species List**. 8.3 Livestock are excluded from newly seeded areas via physical or virtual fencing.
RM9	Water management in the final landform (All RAs where applicable)	9.1 All dams[2], which are to remain as part of the PMLU or are to be retained as evidenced by a written and signed landholder agreement for their retainment, comply with the following: (a) Safely accessible by humans and livestock; (b) All contaminated sediment has been removed; and (c) Must meet ANZECC 2000 livestock drinking water no adverse effects guidelines for beef cattle (electrical conductivity is ≤5,970µS/cm) during the wet season (November to April).. <u>Water storage for stock watering (**RA2**)</u> 9.2 Residual voids for water storage for livestock to meet ANZECC 2000 livestock drinking water no adverse effects guidelines for beef cattle (electrical conductivity is ≤5,970µS/cm).
RM10	Achievement of surface requirements	10.1 Vegetation groundcover is ≥50%. 10.2 Proportion of weeds is <10% of total vegetative groundcover. 10.3 With the exception of water management infrastructure retained with landholder agreement, free draining landforms show no evidence of any of the following: (a) Vegetation die-back localised in low points on the landform surface; or

[2] Including dams which are regulated structures.

Milestone reference	Rehabilitation milestone	Milestone criteria
	(RA1, RA3, RA4, RA5, RA6, RA7, RA12 & RA13)	(b) Salt rise as evidenced by salt deposition at the landform surface. 10.4 An AQP certifies that there is no erosion classified as 'moderate' or 'severe' as defined by **Attachment 5 – Erosion Classification Framework**. 10.5 Despite **RM10.4** erosion is acceptable in the achievement of surface requirements provided an AQP certifies that all active erosion has been identified and remediation activities have been completed. 10.6 There is no evidence of saline, metalliferous or acid mine drainage from landforms to the receiving environment.
RM11	Achievement of post-mining land use to a stable condition (RA1, RA3, RA4, RA5, RA6, RA7, RA12 & RA13 with additional criteria where stated)	11.1 An AQP certifies that there is no erosion classified as 'moderate' or 'severe' as defined by **Attachment 5 – Erosion Classification Framework**. 11.2 Despite **RM11.1** gullies are acceptable in the achievement of a stable landform provided they meet the following criteria as certified by an AQP: (a) does not exceed 1m in depth at any point; and (b) has not exposed environmentally problematic materials; and (c) the cause of the gully is known and has been resolved; and (d) has established and persistent vegetation cover, and/ or rock armouring at the head of the gully; and (e) is in a stabilised state, demonstrated by monitoring data over a 5-year period; and (f) does not provide a safety hazard within the context of the PMLU; and (g) are isolated. 11.3 Weed presence is less than 10% of total vegetation cover. 11.4 Surface water runoff to the receiving environment complies with **Attachment 10 – Surface water quality limits**. 11.5 Engineered structures to remain in the final landform (e.g. rock drains) must be certified by an AQP as stable and functional. <u>Woodland PMLU (**RA1**, **RA5**)</u> 11.6 A rehabilitation performance assessment is completed using the GCAA rehabilitation monitoring methodology outlined in **Attachment 6 – Approved Method of Assessment.**

Milestone reference	Rehabilitation milestone	Milestone criteria
		11.7 The rehabilitation performance assessment completed under **RM11.6** meets the benchmark criteria in **Attachment 7 – Benchmark Criteria** for Open Woodland. Grazing PMLU (**RA6**, **RA7**, **RA12**, **RA13**) 11.8 >70% established and self-sustaining vegetative groundcover of species as listed in **Attachment 4 – Seed Mix Species List** for grazing PMLU. 11.9 Minimum vegetation composition (per hectare (averaged)) of: (a) three species of 3P native pasture species; (b) two native legumes; and (c) one native shade tree species. 11.10 Land suitability class[3] assessed by an AQP that the land has achieved a post-mining land suitability class of 3 or better for cattle grazing, or not different from pre-mining class if it is class 4. Grassland (ungrazed) PMLU (**RA4**) 11.11 >70% established and self-sustaining vegetative groundcover of species as listed in **Attachment 4 – Seed Mix Species List** for grazing PMLU excluding the tree species. 11.12 Livestock are excluded from grazing the landform. Watercourse PMLU (**RA3**) 11.13 Bank cover >70% (vegetation cover and/or rock armour cover). 11.14 A rehabilitation performance assessment is completed using the GCAA rehabilitation monitoring methodology outlined in **Attachment 6 – Approved Method of Assessment**. 11.15 The rehabilitation performance assessment completed under **RM11.14** meets the rehabilitation criteria in **Attachment 7 – Rehabilitation Criteria for Watercourse – RA3.**

[3] DSITI and DNRM (2015) Guidelines for Agricultural Land Evaluation in Queensland (2nd edn)., Department of Science, Information Technology and Innovation and Department of Natural Resources and Mines, Queensland Government, Brisbane, https://www.publications.qld.gov.au/dataset/qld-agricultural-land-evaluation-guidelines/resource/d6591386-08e2-453f-a6fa-dff2a756215f

Milestone reference	Rehabilitation milestone	Milestone criteria
		Subsidence (**RA12**) 11.16 Subsidence within the rehabilitation area does not present a safety hazard in the context of the PMLU. 11.17 The rehabilitation area is safe for human access and use. 11.18 Residual subsidence ponded water (as shown in **Attachment 16 – Residual (Subsidence) Ponded Areas**) must meet the livestock drinking water guidelines (ANZECC 2000) during the wet season (November to April). 11.19 No material change as a result of mining activities to baseline vegetation species composition and structure within the yet-to-be-subsided subsidence extent, excluding residual ponding areas and authorised surface disturbance. Watercourse Diversions 11.20 Watercourse diversions (as shown in **Attachment 14**) are rehabilitated in accordance with the water licence administered under the *Water Act 2000*.
RM12	Achievement of post-mining land use to a stable condition – Existing rehabilitation (RA8, RA9, RA10 & RA11)	12.1 A rehabilitation performance assessment is completed using the methodology outlined in **Attachment 6 – Approved Method of Assessment**. 12.2 The rehabilitation performance assessment completed under **RM12.1** meets the rehabilitation criteria in **Attachment 8 – Rehabilitation Criteria** for Existing Rehabilitation.
RM13	Achievement of post-mining land use water quality (RA1 through to RA13)	13.1 Surface water quality results monitored monthly during flow at, but not limited to, downstream locations specified in **Attachment 9 – Surface Water Monitoring Locations**, must not exceed the limits in **Attachment 10 – Surface Water Quality Limits**, for a minimum of **5 consecutive years**. 13.2 If (A) the surface water quality results exceed the criteria in **RM13.1**; and (B) if there is flow at both the upstream and downstream monitoring location for each creek; then, each year by 1 November, an AQP must complete and provide to the administering authority an assessment of the cause of the exceedance and risk of rehabilitation not achieving a stable condition. Where the assessment concludes:

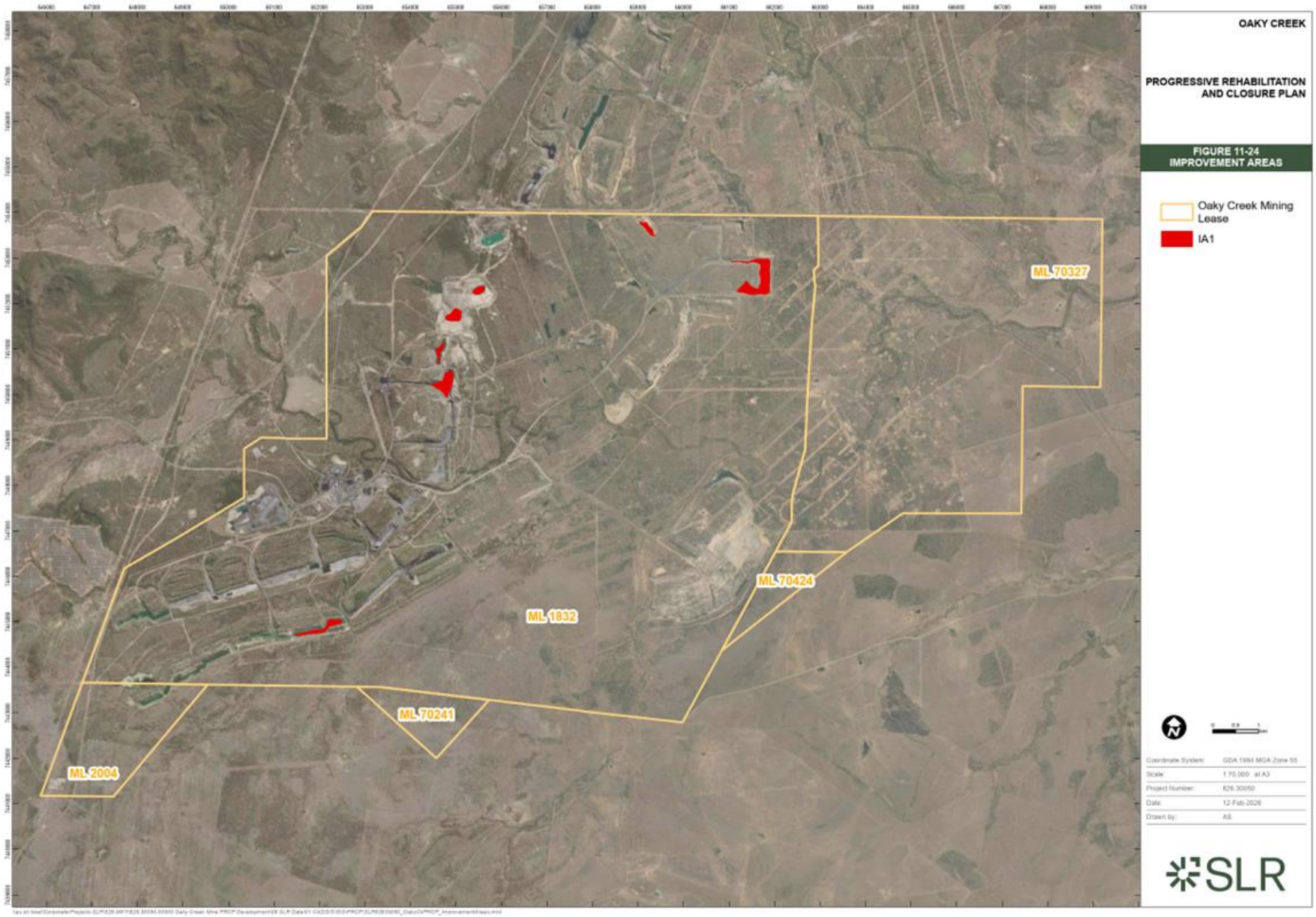
Milestone reference	Rehabilitation milestone	Milestone criteria
		(a) That there is a low risk to achieving a stable condition, then no further action is to be taken; (b) That there is a risk greater than low to achieving a stable condition, then an assessment of potential environmental harm and any changes or rectification actions to rehabilitation activities must be determined and implemented. 13.3 If **RM13.2(b)** is triggered, then the 5 year timeframe under **RM13.1** is reset. 13.4 Groundwater quality results monitored quarterly at, but not limited to, the monitoring locations specified in **Attachment 11 – Groundwater Monitoring Locations**, for all quality characteristics listed in in **Attachment 12 – Groundwater Quality Limits**, for a minimum of **5 consecutive years**, must not exceed the limits in in **Attachment 12**, for **3 consecutive results**.
RM14	Progressive Certification (RAs 14-21)	14.1 The criteria under which rehabilitation was certified prior to the approval of this schedule, as provided in **Attachment 15 – Rehabilitation Criteria for Progressive Certification Areas**, continue to be met.

Section E – Non-use management areas

(IA1) Improvement area 1

Non-use management area (NUMA)						
Improvement area	IA1					
Relevant activities	Residual voids - 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. A3 East, G8, G9, Grasstree South, Grasstree West, Recovery and Son of Cattle (SOC)					
Total size (ha)	70					
Commencement of first milestone: MM1	10/12/2029					
NUMA	Non-Use Management Area (NUMA)					
Date area is available	10/12/2029	10/12/2033				
Cumulative area available (ha)	25	70				
Milestone completed by	10/12/2034	10/12/2038	10/12/2039	10/12/2043	10/12/2044	10/12/2048
Milestone Reference	**Cumulative area achieved (ha)**					
MM1	25	70				
MM2			25	70		
MM3					25	70

Figure 24 – IA1 Residual Void A3 East, G8, G9, Grasstree South, Grasstree West, Recovery and Son of Cattle (SOC)



Improvement area milestone

Milestone reference	Management milestone	Milestone criteria
MM1	Achievement of final landform design	1.1 No high walls are present in the landform. 1.2 Void batter slopes are consistent with slopes specified in **Attachment 1 – Voids and treatment**. 1.3 Coal seams with an Intrinsic Spontaneous Combustion Propensity (ISCP) Classification of greater than one (1) (R70 <0.5) are to be fully capped with no Spontaneous Combustion. 1.4 NUMAs are not subject to inundation from floodwaters up to and including the 0.1% AEP. 1.5 Residual voids must not overtop to the receiving environment, up to and including a 0.1% AEP.
MM2	Achievement of safety requirements	2.1 Fencing erected (minimum four strand barbed wire fencing), where required to prevent access to the residual void, around the perimeter of the safety bund. 2.2 Safety signage (design in accordance with Australian standard) is erected at 100m intervals along the fence.
MM3	Achievement of sufficient improvement	3.1 The NUMAs: (a) Are geotechnically stable; (b) Are safe to humans and livestock; and (c) Retain flood immunity, supported by flood modelling re-run at end of life and calibrated against the final landform. 3.2 An AQP demonstrates with water quality, water level and modelling data that: (a) The A3 East, G8 and Son of Cattle NUMAs act as groundwater sinks post-closure and have no risk of contaminant release to surface or groundwaters post-mining; and (b) The G9, Grasstree South, Grasstree West and Recovery NUMAs have low risk of contaminant release to surface or groundwater post-mining; and (c) No NUMAs will cause environmental harm outside of the tenure boundaries. 3.3 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.

Section F – Attachments

Attachment 1 – Voids and treatment

Void name	PMLU / NUMA	Landform	Landform treatment	Slope limits	
				High wall	Spoil and Low wall
G3	Open Woodland	Backfilled Free Draining (Tailings) Voids	Filled to surface and self-draining (minimum 0.2 – 0.3% grade) with minimum 2 m capping above tailings/backfill level	12%	21%
G4					
G5					
G6					
A3 West					
A3 Mid					
A4					
Aquila High	Open Woodland	Backfilled Free Draining (Rejects) Voids	Filled to surface and self-draining (minimum 0.2 – 0.3% grade).	12%	21%
G7					
A5					
A6					
A7 South					
Grasstree North	Open Woodland	Backfilled Free Draining (Spoil) Voids	Filled to surface and self-draining (minimum 0.2 – 0.3% grade)	12%	21%
A7					
Aquila Low					
A3 Mid 3	Open Woodland	Reprofiled Void Depressions	Recovery 10-15% slopes as per current landform	12%	21%

Void name	PMLU / NUMA	Landform	Landform treatment	Slope limits	
				High wall	Spoil and Low wall
	Void Pit Lake – Water Storage for Stock				
Cattle	Woodland Void Pit Lake – Water Storage for Stock	Reprofiled Void Depressions	Lower slopes due to highly dispersive material	10%	10%
G8 *G9* *A3 East* *Grasstree South* *Grasstree West*	Woodland Void Pit Lake – NUMA	Reprofiled Void Depressions	Recovery 10-15% slopes as per current landform	12%	21%
Recovery	Woodland Void Pit Lake – NUMA	Reprofiled Void Depressions	Recovery 10-15% slopes as per current landform	15%	15%
Son of Cattle (SOC)	Woodland Void Pit Lake – NUMA	Reprofiled Void Depressions	10 – 15% slopes as per current landform	15%	15%

Attachment 2 – Growth Media quality criteria

Parameter	Criteria*
	RM7
pH	5.0 – 9.0
$EC_{1:5}$ (µS/cm)	<1,000
Nitrate (mg/kg)	>5.0
Total Kjeldahl Nitrogen (mg/kg)	>500
Total Phosphorus (mg/kg)	≥50
Exchangeable Sodium Percentage [ESP] (%)	<6.0
Total Organic Carbon (%)	>1.0
Plant Available Water Capacity [PAWC] (mm/m)	>75

Note:
* As per condition PRCP 11, site-specific data will be provided.

Attachment 3 – Out of pit TSF groundwater monitoring bores

Bore reference*	Location*		Parameters monitored*
	Latitude (GDA2020)	Longitude (GDA2020)	

Note:
** Details for table and map to be provided in accordance with condition PRCP9*

Attachment 4 – Species list and seeding rates

Grazing PMLU

Scientific name	Common name	Minimum application rate (kg/ha)
Chloris ventricosa	Tall Chloris	3-6 species (including 1-2 legumes) from the list with a bulked seed weight of 3 kg/ha
Cymbopogon refractus	Barbed wire grass	
Clitoria ternatea	Butterfly pea (legume)	
Paspalidium jubiflorum	Warrego grass	
Enteropogon acicularis	Curly windmill grass	
Bothriochloa decipiens	Pitted Bluegrass	
Panicum decompositum	Native millet	
Chloris divaricata	Slender chloris	
Panicum effusum	Hairy panic	
Digitaria spp.	Summer grass	
Eragrostis sp.	Lovegrass	
Rhynchosia minima var. minima	Rhyncho (legume)	
Glycine tabacina	Glycine Pea (legume)	
3P Species		
Themeda triandra	Kangaroo Grass	3-6 species from the list with a bulked seed weight of 7 kg/ha
Bothriochloa bladhii	Forest Bluegrass	
Heteropogon contortus	Black Speargrass	
Dicanthium sericeum	Queensland Bluegrass	
Bothriochloa ewartiana	Desert Bluegrass	
Digitaria brownii	Cotton panic grass	
Panicum decompositum	Native Millet	
Capillipedium spicigerum	Scented top	

Shade trees		
Eucalyptus populnea	Poplar Box	1-2 species from the list with a bulked seed weight of 1 kg/ha
Eucalyptus melanophloia	Silver Leafed Ironbark	
Eucalyptus crebra	Narrow Leafed Ironbark	
Lysiphyllum hookeri	White flowered Bauhinia	
Lysiphyllum carroni	Red Bauhinia	

Watercourse PMLU

Scientific name	Common name	Application rate (kg/ha)
Trees(T) /shrubs(S)		
Acacia stenophylla (T)	Shoestring Acacia	For trees: between 6-10 species from the list with bulk seed at 6 kg/ha (assuming some chaff and impurities in seed lots). Use 3 kg/ha if using pure seed. and For shrubs: between 8-12 species from the list with bulk seed at 4 kg/ha, subject to availability of seed stock.
Acacia decora (S)	Western Silver Wattle	
Eucalyptus tereticornis (T)	Queensland blue gum	
Eucalyptus camaldulensis (T)	River red gum	
Corymbia tessellaris (T)	Moreton Bay Ash	
Eucalyptus populnea (T)	Poplar Box	
Eucalyptus cambageana (T)	Dawson Gum	
Corymbia clarksoniana (T)	Clarkson's Bloodwood	
Eucalyptus coolabah (T)	Coolabah	
Ficus opposita (T)	Sandpaper Fig	

Casuarina cunninghamiana (T)	River She Oak	
Ground cover – Grasses(G), Rushes and Sedges (RS)		
Bothriochloa bladhii (G)	Forest Bluegrass	3-6 species from the list with a bulk seed weight of 10 kg/ha.
Dichanthium sericeum (G)	Queensland Bluegrass	
Cymbopogon refractus (G)	Barbed wire grass	
Heteropogon contortus (G)	Black Spear grass	
Eriochloa crebra (G)	Cup grass	
Eriochloa procera (G)	Slender cup grass	
Themeda triandra (G)	Kangaroo Grass	
Aristida personata (G)	Purple Wire grass	
Panicum effusum (G)	Hairy panic	
Panicum laevinode (G)	Pepper grass	
Sporobolus mitchellii (G)	Rat's tail couch	
Sporobolus creber (G)	Slender rat's tail grass	
Arundinella nepalensis (G)	Reedgrass	
Paspalidium distans (G)	Shotgrass	
Paspalidium jubiflorum (G)	Warrego grass	
Imperata cylindrica (G)	Blady grass	
Chrysopogon filipes (G)	Australian vetiver grass	

Cyperus gracilis (RS)	Slender Flat-Sedge	
Lomandra longifolia (RS)	Spiny Head Matt-Rush	

Note:

Where seed for a specific species is not available in sufficient quality or quantity as listed in this table, it will be supplemented by the equivalent weight of a comparable native species from riparian regional ecosystems local to the area, such as RE11.3.25.

Open Woodland PMLU

Scientific name	Common name	Application rate (kg/ha)
Trees(T) /shrubs(S)		
Acacia stenophylla	Shoestring Acacia	For trees: between 6-10 species from the list with bulk seed at 6 kg/ha (assuming some chaff and impurities in seed lots). Use 3 kg/ha if using pure seed. and For shrubs: between 8-12 species from the list with bulk seed at 4 kg/ha, subject to availability of seed stock.
Acacia decora (S)	Western Silver Wattle	
Acacia longispicata spp. Longispicata (S)	Slender Flowered Wattle	
Acacia excelca (S)	Ironwood Wattle	
Eucalyptus tereticornis (T)	Queensland Blue Gum	
Eucalyptus camaldulensis (T)	River Red Gum	
Eucalyptus crebra (T)	Narrow Leafed Ironbark	
Eucalyptus melanophloia (T)	Silver Leafed Ironbark	
Eucalyptus thozetiana (T)	Mountain Yapunyah	
Angophora leiocarpa (T)	Rusty Gum	
Corymbia citriodora (T)	Lemon Scented Gum	
Corymbia tessellaris (T)	Moreton Bay Ash	

Casuarina cristata (T)	She Oak / Belah	
Eucalyptus populnea (T)	Poplar Box	
Eucalyptus coolabah (T)	Coolabah	
Eremophila mitchellii (S)	False Sandalwood	
Cassia brewsteri (S)	Brewsters Cassia	
Alphitonia excelsa (S)	Red Ash	
Atalaya hemiglauca (S)	Whitewood	
Ficus opposita (T)	Sandpaper Fig	
Ground cover – Grasses(G) and Forbs(F)		
Bothriochloa bladhii (G)	Forest Bluegrass	3-6 species from the list with a bulk seed weight of 10 kg/ha.
Dichanthium sericeum (G)	Queensland Bluegrass	
Cymbopogon refractus (G)	Barbed wire grass	
Heteropogon contortus (G)	Black Spear grass	
Eriochloa crebra (G)	Cup grass	
Eriochloa procera (G)	Slender cup grass	
Themeda triandra (G)	Kangaroo Grass	
Aristida personata (G)	Purple Wire grass	
Panicum effusum (G)	Hairy panic	
Panicum laevinode (G)	Pepper grass	
Sporobolus mitchellii (G)	Rat's tail couch	

Sporobolus creber (G)	Slender rat's tail grass	
Arundinella nepalensis (G)	Reedgrass	
Paspalidium distans (G)	Shotgrass	
Paspalidium jubiflorum (G)	Warrego grass	
Imperata cylindrica (G)	Blady grass	
Chrysopogon filipes (G)	Australian vetiver grass	
Atriplex nummularia	Old Man Saltbush	
Eragrostis sp. *(G)*	Lovegrass	
Cyperus gracilis	Slender Flat-Sedge	
Lomandra longifolia	Spiny Head Matt-Rush	

Note:
Where seed for a specific species is not available in sufficient quality or quantity as listed in this table, it will be supplemented by the equivalent weight of a comparable native species from woodland regional ecosystems local to the area, such as RE11.10.7 and 11.10.1.

Attachment 5 – Erosion classification framework

Erosion type	Erosion classification		
	Minor	**Moderate**	**Severe**
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope	Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope
Rill and gully erosion	<0.3m deep Occasional rills	>0.3m deep Common rills	>0.3m deep Numerous rills forming corrugated ground surface
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Source: 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.

Note:

** Rill frequency assessed on the contour over entirety of rehabilitation area (not only features that intersect a monitoring transect).*

Attachment 6 – Approved method of assessment

Parameter	Approved method
Large Trees (>20cm DBH for non-eucalypts; >30cm DBH for eucalypts)	**Not Applicable**
Tree canopy height	**Five 5x10m subplots in 10x50m plot. All woody species over 2m measured***
Recruitment of dominant canopy spp.	**Five 5x10m subplots in 10x50m plot.** **RRC also assesses number of individuals per "Framework"[1] species, recruitment***
Native tree spp. richness	**Five 5x10m subplots in 10x50m plot.** **RRC also assesses number of individuals per "Framework"[1] species, recruitment***
Tree canopy cover	**100m transect using line intercept method (Grieg-Smith 1964)***
Shrub cover	**100m transect using line intercept method (Grieg-Smith 1964)***
Coarse woody debris	**Five 5x10m subplots in 10x50m plot***
Native plant spp. richness	**Five 5x10m subplots in 10x50m plot***
Non-native cover	**Non-natives spp. richness recorded see below***
Native perennial grass cover	**Recorded as part of overall live ground cover in five 1x1m quadrats every 10m along transect**
Organic litter, rock, bare, cryptograms	**Five 1x1m quadrats every 10m along transect***
Slope	**At each transect***
Soils	**Bulk sample from five sub-samples at 10m Intervals along transect. Assessed for suite of variables**
Erosion	**Record distance along transect where present, severity rating 1 (no erosion) to 5 (gully >1m deep)***
Non-native spp. richness	**Five 5x10m subplots in 10x50m plot***
Biomass	**Five 1x1m quadrats every 10m along transect**
Free water	**Visually estimated at three points at 0, 25, 50m along transect***

*Note: * includes provision for remote monitoring*

Attachment 7 – Rehabilitation Criteria for Woodland (RA1 and RA5) and Watercourse (RA3)

PMLU	Watercourse	Watercourse	Woodland	Woodland
Assessable Attributes	Milestone	Reference Benchmark	Milestone	Reference Benchmark
Non-native plant cover (%)	<10%	0	<10%	0
Tree (native) species richness (spp)	≥2	4	≥3	6
Shrub (native) species richness (spp)	≥2	4	≥2	6
Grass (native) species richness (spp)	≥2	8	≥2	7
Forb/other (native) species richness (spp)	≥3	13	≥3	9
Tree (native) canopy cover and shrub (native) canopy cover (%)	≥20%	34% (tree) and 7% (shrub)	≥20%	40%
Tree canopy height (m)	≥10	22	≥10	18
Native perennial grass cover (%)	≥20%	35%	≥10%	20%
Litter cover (%)	≥15%	21%	≥15%	53%

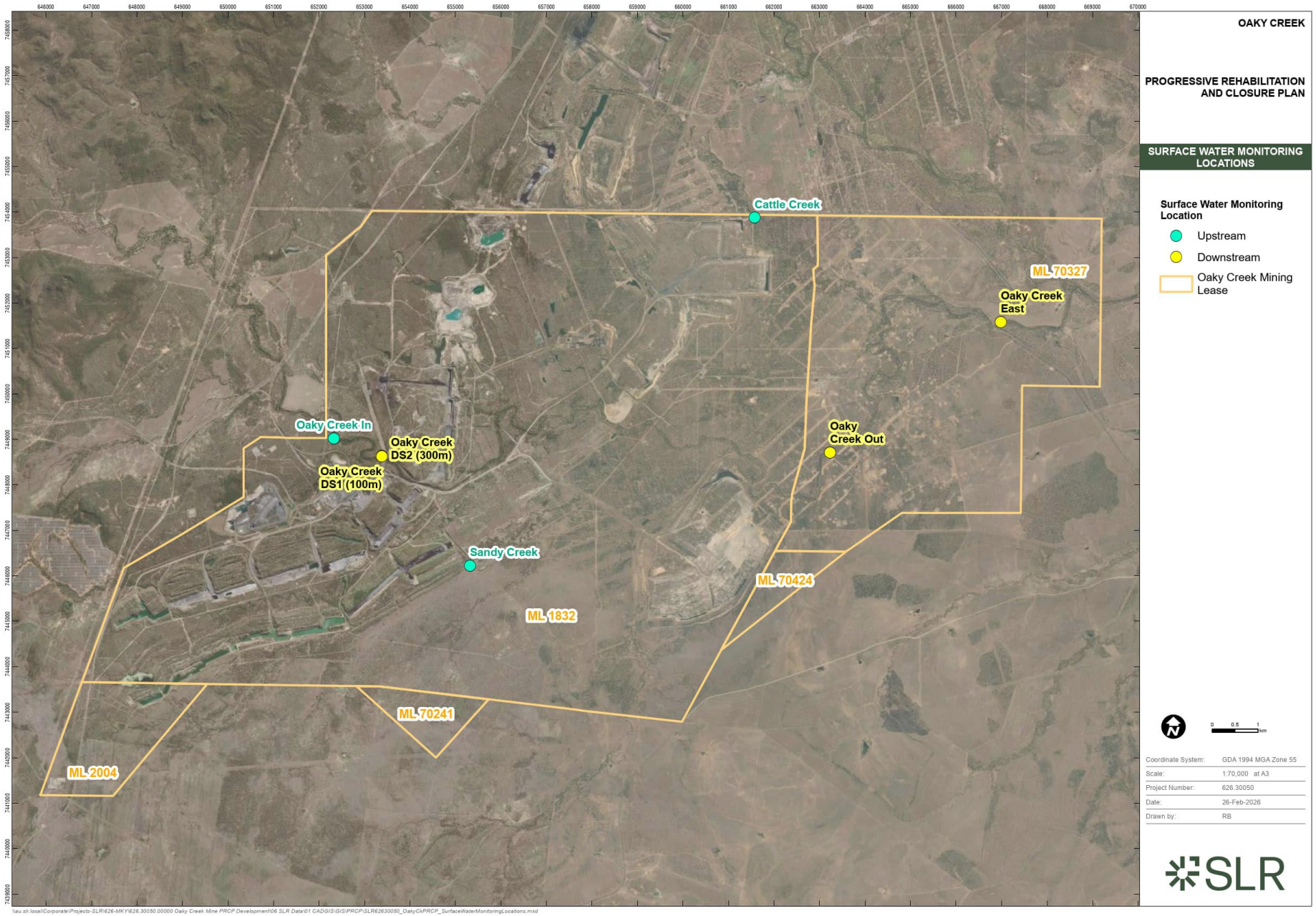
Attachment 8 – Rehabilitation criteria for Existing Rehabilitation – RA8, RA9, RA10 and RA11

Status	Rehabilitation area/year	Area (ha)	Slopes	Erosion	Contour banks	External bunds	Canopy/ Vegetation Cover	Vegetation	Recruitment	Framework species
Existing rehabilitation (not certified) completed prior to 13/03/2025	**RA8 – PMLU OPEN WOODLAND (IDR) Existing Rehabilitation Pre-2004 IDR (completed under 1993 EMOS)**	691	Slopes >33%, geotechnical assessment by a suitably qualified engineer to determine treatments required (if applicable) to ensure an adequate long-term factor of safety.	Rill depth (≤ 0.3m) or evidence of long-term stability.	N/A	N/A	Average ≥5% canopy cover species	≥4 native tree or shrub species	Evidence of recruitment of native species over a representative climatic period, nominally five years	Framework spp. remain following extreme weather events.
	RA-9 – PMLU OPEN WOODLAND (IDR) Existing Rehabilitation 2004-2014 IDR (completed under 2002 EMOS and EA 06/06/2003)	466	<33%	Rill depth (≤ 0.3m) or evidence of long-term stability.	N/A	N/A	Average ≥5% canopy cover species	≥4 native tree or shrub species	Evidence of recruitment of native species over a representative climatic period, nominally five years	Framework spp. remain following extreme weather events.
	RA10 – PMLU OPEN WOODLAND Existing Rehabilitation 2015 to end of 2025 (completed under Rehabilitation	545	≤21%	Rill depth (≤ 0.3m) or evidence of long-term stability.	N/A	N/A	Average ≥5% canopy cover species >70% total cover across rehabilitation	≥4 native tree or shrub species	Evidence of recruitment of native species over a representative climatic period, nominally five years	Framework spp. remain following extreme weather events.

Status	Rehabilitation area/year	Area (ha)	Slopes	Erosion	Contour banks	External bunds	Canopy/ Vegetation Cover	Vegetation	Recruitment	Framework species
	Management Plan/ EA)						area, includes multilevel canopy, groundcover, and leaf litter.			
	RA11 – PMLU GRAZING Existing Rehabilitation 2015 to end of 2025 **(completed under Rehabilitation Management Plan/ EA)**	2530	Does not pose a high risk to stock or humans as determined by a suitably qualified person and/or to appropriate Slopes ≤ 33 %	Rill depth (≤ 0.3 m) or evidence of long-term stability.			Grass cover > 70 % of applicable analogue site	> 70% of grass species and forb species of applicable analogue sites. Herbage yield ≥ 70 % yield of applicable analogue site. Land suitability class ≥ 4.		Recovery of yield following disturbance based on applicable analogue sites (50 % of analogue site recovery).

Attachment 9 – Surface water monitoring locations

Monitoring Locations	Receiving waters location description	Latitude (GDA94)	Longitude (GDA94)
Upstream monitoring locations			
MP1 (O-US)	Oaky Creek – at Oaky upstream	-23.060284	148.487535
MP2 (S-US)	Sandy Creek – at Sandy Creek upstream	-23.10446	148.47666
MP3	Cattle Creek – upstream at the northern mine lease boundary	-23.015643	148.576739
Downstream monitoring locations			
MP4 (O-DS)	Oaky Creek at Oaky downstream	-23.062697	148.593291
S-DS	Sandy Creek downstream	-23.080666	148.527253
MP5 (O-DS2)	Oaky Creek downstream of TSF	-23.064835	148.498955
Oaky Creek Out East	Oaky Creek at Oaky east downstream	-23.036985	148.628071


OAKY CREEK
PROGRESSIVE REHABILITATION AND CLOSURE PLAN
SURFACE WATER MONITORING LOCATIONS
Surface Water Monitoring Location
Upstream
Downstream
Oaky Creek Mining Lease
Cattle Creek
Oaky Creek East
Oaky Creek In
Oaky Creek DS2 (300m)
Oaky Creek DS1 (100m)
Oaky Creek Out
Sandy Creek
ML 70327
ML 70424
ML 1832
ML 70241
ML 2004
Coordinate System: GDA 1994 MGA Zone 55
Scale: 1:70,000 at A3
Project Number: 626.30050
Date: 26-Feb-2026
Drawn by: RB
SLR

Attachment 10 – Surface water quality limits

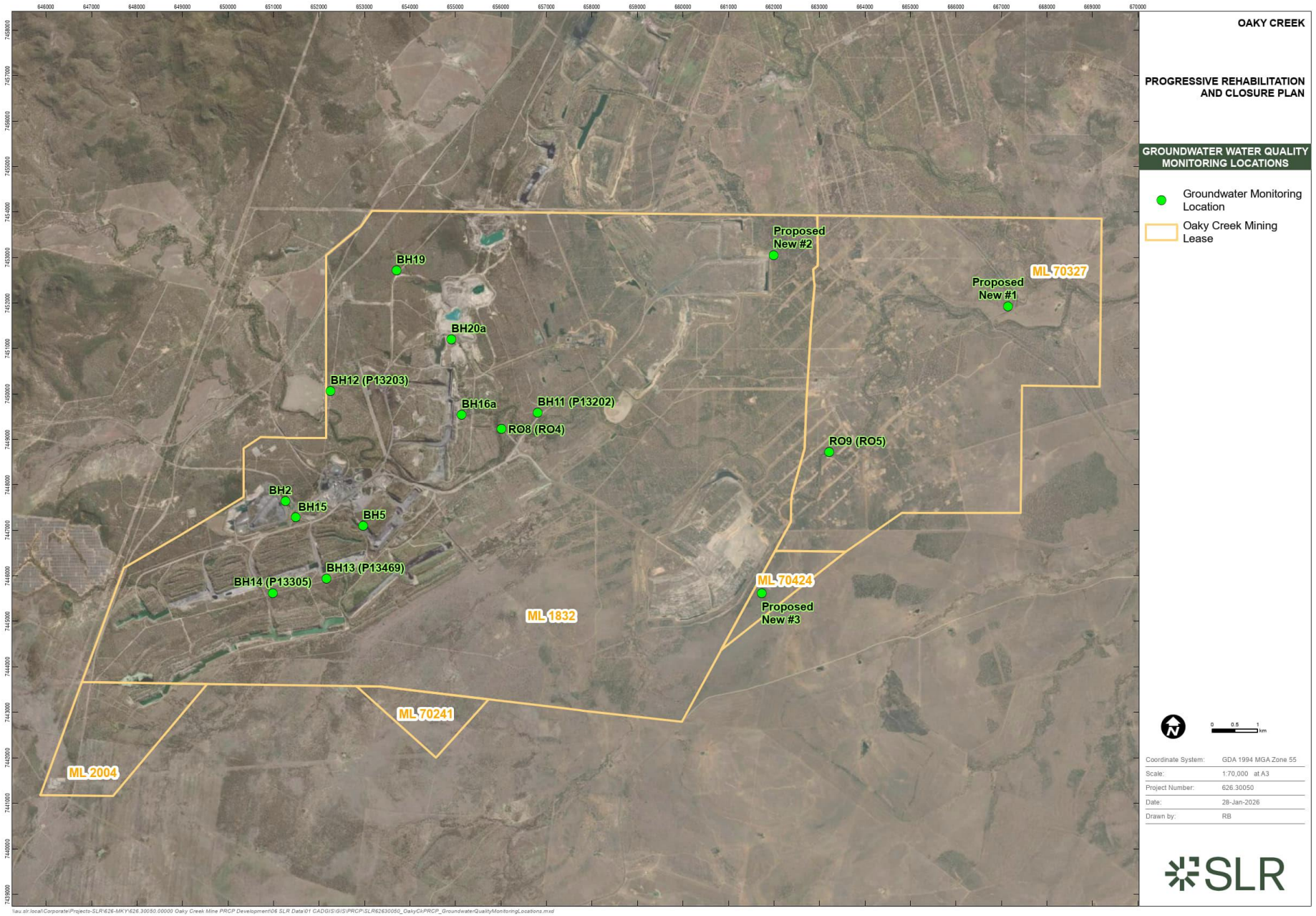
Quality characteristic (units)	Limit	Comment on limit
pH	6.5-8.5	Site-specific
Electrical Conductivity (µS/cm)	560	Site-specific
Turbidity (NTU)	50	Upper Isaac River WQO
Sulphate (mg/L)	25	Upper Isaac River WQO
Fluoride (mg/L)	0.1	Site-specific
Arsenic - dissolved (µg/L)	13	ANZG 2018
Boron - dissolved (µg/L)	80	Site-specific
Chromium - dissolved (µg/L)	1	ANZG 2018
Cobalt - dissolved (µg/L)	1.4	ANZG 2018
Copper - dissolved (µg/L)	1.4	ANZG 2018
Lead - dissolved (µg/L)	3.4	ANZG 2018
Manganese - dissolved (µg/L)	56	Site-specific
Mercury - dissolved (µg/L)	0.06	ANZG 2018
Nickel - dissolved (µg/L)	11	ANZG 2018
Selenium - dissolved (µg/L)	5	ANZG 2018
Silver – dissolved (µg/L)	0.05	ANZG 2018
Uranium - dissolved (µg/L)	0.5	ANZG 2018
Zinc – dissolved (µg/L)	8	ANZG 2018
Nitrate (µg/L)	1100	
Total recoverable hydrocarbons (C6-C9) (µg/L)	20	Limit of reporting (LoR)
Total recoverable hydrocarbons (C10-C36) (µg/L)	100	Limit of reporting (LoR)
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes only	
Hardness (mg/L)	For interpretation purposes only	
Silver – dissolved (µg/L)	0.05	ANZG 2018

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).*

Attachment 11 – Groundwater monitoring bores

Monitoring Bore	Hydrogeological Unit	Location	
		Latitude (GDA94)	Longitude (GDA94)
BH2	Permian Coal Measures - Overburden	-23.072956	148.476674
BH5	Permian Coal Measures - Overburden	-23.077675	148.493417
BH11 (P13202)	Tertiary sediments	-23.054860	148.530569
BH12 (P13203)	Permian Coal Measures - Overburden	-23.050977	148.486111
BH13 (P13469)	Permian Coal Measures - Overburden	-23.088235	148.485623
BH14 (P13305)	Permian Coal Measures - Overburden	-23.091233	148.474146
BH15	Permian Coal Measures - Overburden	-23.076096	148.478894
BH16a	Permian Coal Measures – Tieri Seam	-23.05544	148.514301
BH19	Permian Coal Measures	-23.0269	148.5000
BH20a	Permian Coal Measures – Tieri Seam	-23.040445	148.511889
BH26c	Permian Coal Measures – Aquilla Seam	-23.023163	148.580776
Proposed #1	Shallow Alluvium	-23.0327	148.6312
Proposed #2	Shallow Alluvium	-23.0231	148.5808
Proposed #3	Shallow Alluvium	-23.0902	148.5790
RO8 (RO4)	Alluvium	-23.058194	148.522842
RO9 (RO5)	Tertiary sediments	-23.06207	148.593234


OAKY CREEK
PROGRESSIVE REHABILITATION AND CLOSURE PLAN
GROUNDWATER WATER QUALITY MONITORING LOCATIONS
Groundwater Monitoring Location
Oaky Creek Mining Lease
BH19
BH20a
BH12 (P13203)
BH16a
BH11 (P13202)
RO8 (RO4)
RO9 (RO5)
BH2
BH15
BH5
BH13 (P13469)
BH14 (P13305)
Proposed New #2
Proposed New #1
Proposed New #3
ML 70327
ML 70424
ML 1832
ML 70241
ML 2004
Coordinate System: GDA 1994 MGA Zone 55
Scale: 1:70,000 at A3
Project Number: 626.30050
Date: 28-Jan-2026
Drawn by: RB
SLR

Attachment 12 – Groundwater quality limits

Monitoring location	RO8 (RO4)	BH11	RO9 (RO5)	BH2	BH5	BH12	BH13	BH14	BH15	BH16a	BH19	BH20a	BH26c
Aquifer	Alluvium	Tertiary		Shallow Permian									
pH (pH unit)	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5	6-8.5
Electrical Conductivity (µS/cm)	8,910	30,180	15,300	23,756	43,530	19,174	12,520	6,462	25,425	8,910	24,155	25,485	23,240
Sulfate (mg/L)	318	3,550	1,620	318	6,124	995	1,832	977	3,260	318	2,410	2,758	318
Arsenic (µg/L)	13	13	13	13	13	17	13	13	13	13	13	13	69
Boron (µg/L)	940	1825	940	940	1,696	940	940	940	940	940	1,580	1483	940
Chromium (µg/L))**	1	1	1	1	1	5	1	1	1	1	1	1	1
Cobalt (µg/L))**	1.4	1.4	4	1.4	1.4	2.6	3	8	5.3	1.4	29	144	1.4
Copper (µg/L)	10	17	7.7	10	10	10	10	8.4	10	10	10	10	10
Lead (µg/L))**	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Manganese (µg/L)	1,900	1,900	1,900	1,900	3,021	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900
Mercury (µg/L)**	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Nickel (µg/L)	11	23	11	160	93	11	11	11	12	11	56	198	11
Selenium (ug/L)**	5	5	5	5	5	5	5	5	5	5	5	5	5
Silver (µg/L))**	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1
Uranium (µg/L)	0.5	84	23	0.5	29	4	2	0.5	21	0.5	0.5	2.5	1
Zinc (µg/L)	60	45	25	73	80	60	66	80	60	60	130	746	30

*Note: ** subject to confirmation of ultra trace levels to determine whether analyte is applicable to this bore and if applicable, determination of the appropriate quality limit.*

Bore Specific (95th percentile)	WQO (80th)	ANZG 2018 (95th% protection)	Site specific (95th percentile)

Quality characteristic (units)	Monitoring Bore	Limit	Comment on limit
pH (pH units)	All other proposed bores	6.0-8.5	Site-specific
Electrical Conductivity (µS/cm)	All other proposed bores	8910	WQO
Sulfate (mg/L)	All other proposed bores	318	WQO
Arsenic - dissolved (µg/L)	All other proposed bores	13	ANZG 2018
Boron - dissolved (µg/L)	All other proposed bores	940	ANZG 2018
Chromium - dissolved (µg/L)	All other proposed bores	1	ANZG 2018
Cobalt - dissolved (µg/L)	All other proposed bores	1.4	ANZG 2018
Copper - dissolved (µg/L)	All other proposed bores	1.4	ANZG 2018
Lead - dissolved (µg/L)	All other proposed bores	3.4	ANZG 2018
Manganese - dissolved (µg/L)	All other proposed bores	1,900	ANZG 2018
Mercury - dissolved (µg/L)	All other proposed bores	0.06	ANZG 2018
Nickel - dissolved (µg/L)	All other proposed bores	11	ANZG 2018
Selenium - dissolved (µg/L)	All other proposed bores	5	ANZG 2018
Silver - dissolved (µg/L)	All other proposed bores	0.05	ANZG 2018
Uranium - dissolved (µg/L)	All other proposed bores	0.5	ANZG 2018
Zinc - dissolved (µg/L)	All other proposed bores	60	WQO
Major ions (mg/L) - calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	All bores	For interpretation purposes	
Hardness (mg/L)			
Water Level (mAHD)	All bores	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)*

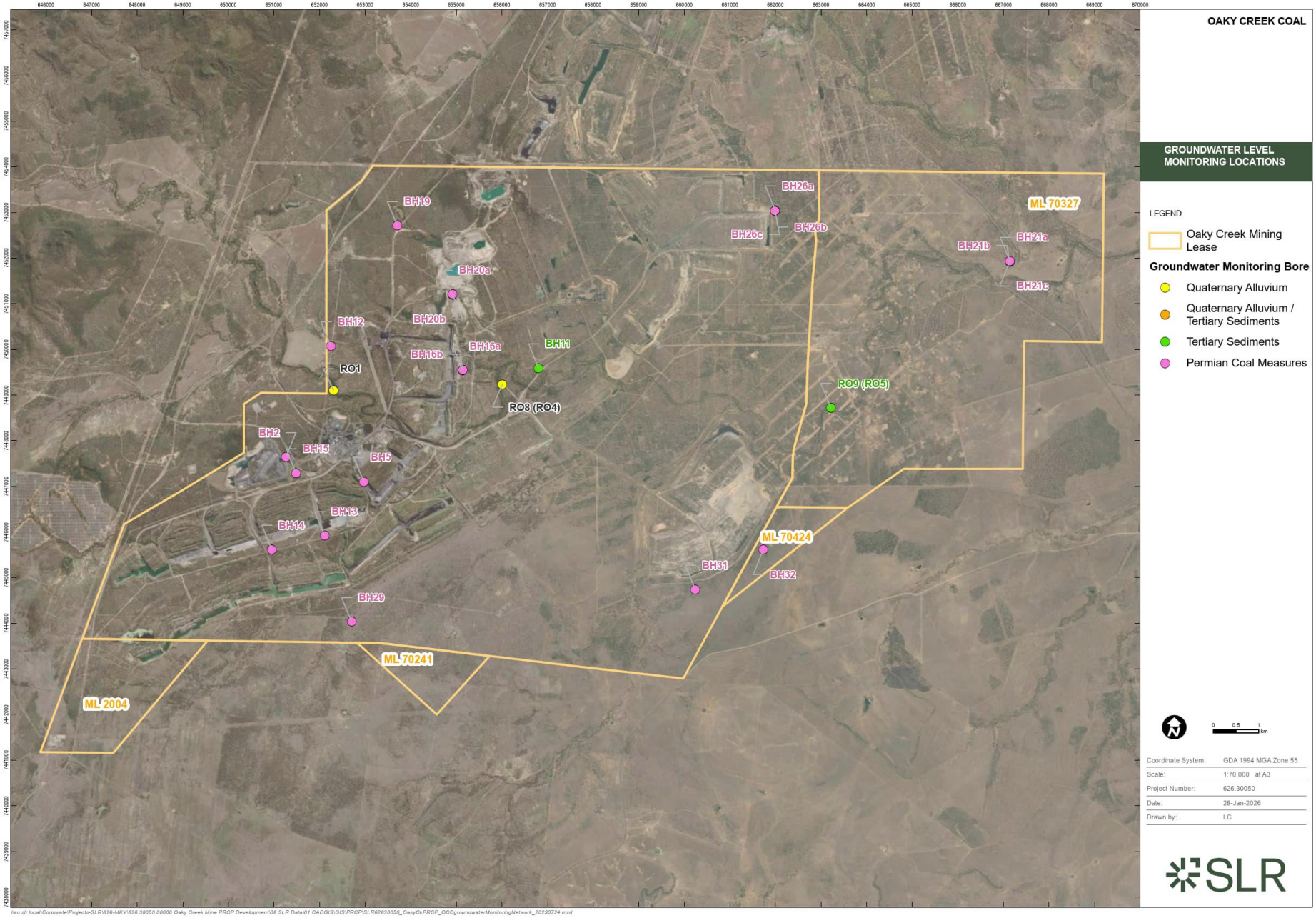
Attachment 13 – Groundwater standing water level monitoring locations and thresholds

Monitoring Bore*	Hydrogeological Unit	Location		Surface RL (mAHD)	Baseline Water Level (mAHD)**	Level Threshold – End of mining drawdown (m)***	End of Mining Water Level (mAHD)
		Latitude (GDA2020)	Longitude (GDA2020)				
R08 (R04)	Quaternary Alluvium	-23.0582	148.5228	166.62	115.655	0	140.029
R01	Quaternary Alluvium	-23.0597	148.4867	179.65	176.607	0	177.108
R09 (R05)	Tertiary Sediments	-23.0621	148.5932	155.74	155.806	5	150.924
Monitoring Point G1 BH 11 (P13202)	Tertiary Sediments	-23.0548	148.5306	169.74	76.584	0	112.744
Monitoring Point G2 BH 12 (P13203)	Permian Coal Measures	-23.0509	148.4861	181.61	177.692	0	178.420
Monitoring Point G3 BH 13 (P13489)	Permian Coal Measures	-23.0884	148.4851	184.47	180.290	1.6	178.699
Monitoring Point G4 BH 14 (P13305)	Permian Coal Measures	-23.0913	148.4738	190.21	184.795	0	186.594
BH2	Permian Coal Measures	-23.073	148.4767	195.88	183.682	0	189.073
BH5	Permian Coal Measures	-23.0777	148.4934	184.45	181.107	0	183.827

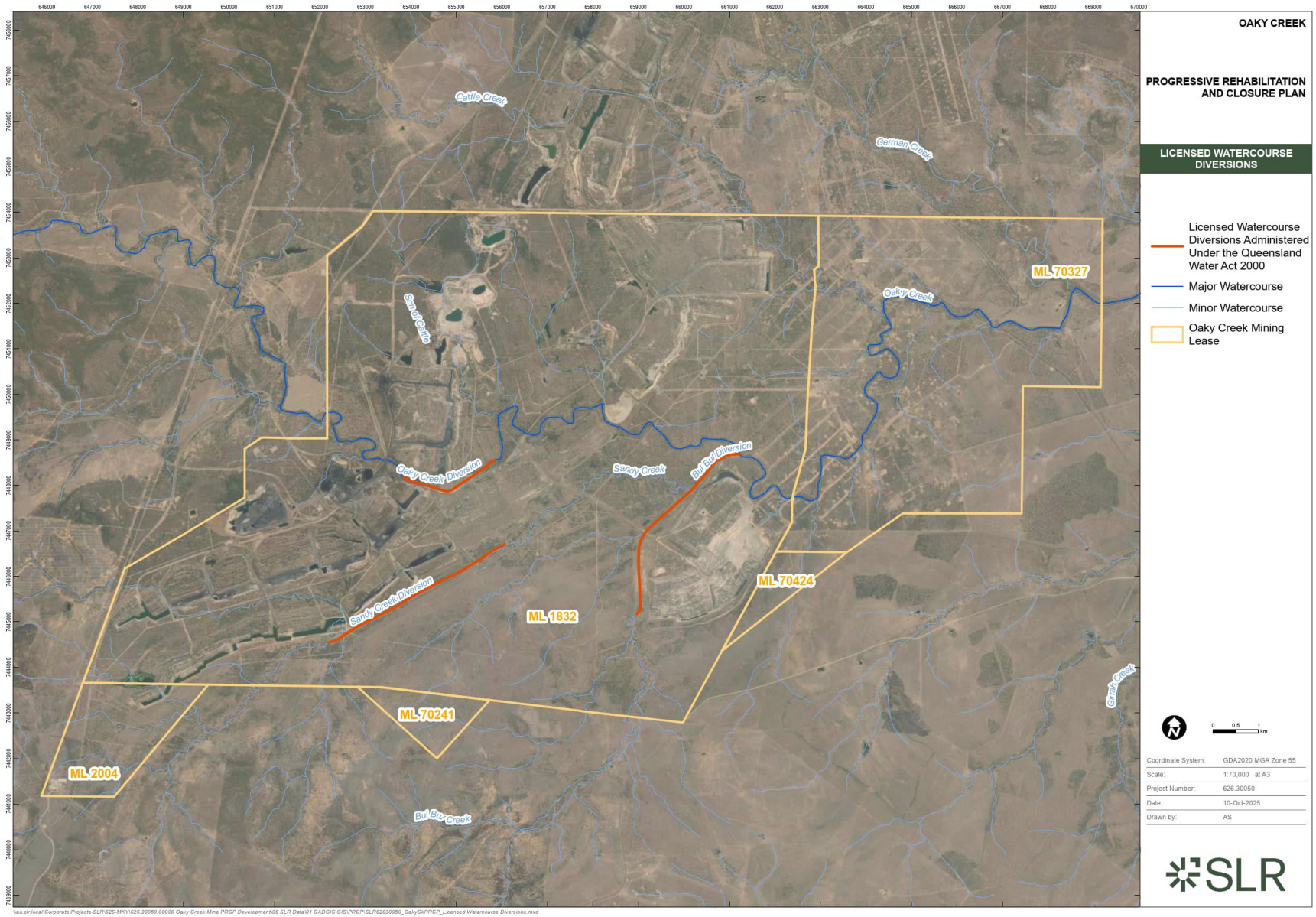
Monitoring Bore*	Hydrogeological Unit	Location		Surface RL (mAHD)	Baseline Water Level (mAHD)**	Level Threshold – End of mining drawdown (m)***	End of Mining Water Level (mAHD)
		Latitude (GDA2020)	Longitude (GDA2020)				
BH15	Permian Coal Measures	-23.0761	148.4789	196.99	184.128	0	198.831
BH16a	Permian Coal Measures	-23.0554	148.5143	177.82	113.152	0	140.973
BH20a	Permian Coal Measures	-23.0327	148.6311	151.33	157.901	0	160.766
BH16b	Permian Coal Measures	-23.0554	148.5143	177.82	112.262	0	138.797
BH19	Permian Coal Measures	-23.0269	148.5143	189.83	180.983	0	183.858
BH20b	Permian Coal Measures	-23.0404	148.5119	177.37	156.054	0	158.985
BH21a	Permian Coal Measures	-23.0327	148.512	151.33	143.239	5.38	137.864
BH21b	Permian Coal Measures	-23.0327	148.6312	151.33	143.155	7.2	135.949
BH21c	Permian Coal Measures	-23.0326	148.6311	151.33	143.444	22.62	120.822
BH26a	Permian Coal Measures	-23.0231	148.6312	160.4	110.185	0	113.153

Monitoring Bore*	Hydrogeological Unit	Location		Surface RL (mAHD)	Baseline Water Level (mAHD)**	Level Threshold – End of mining drawdown (m)***	End of Mining Water Level (mAHD)
		Latitude (GDA2020)	Longitude (GDA2020)				
BH26b	Permian Coal Measures	-23.0232	148.5808	160.4	111.275	0	119.400
BH26c	Permian Coal Measures	-23.0232	148.5809	160.4	114.870	0	123.314
BH29	Permian Coal Measures	-23.1054	148.5808	192.76	135.584	0	142.248
BH31	Permian Coal Measures	-23.0983	148.4911	171.86	22.854	0	125.312
BH32	Permian Coal Measures	-23.0902	148.5646	168.71	42.354	0	127.751

Notes:
** Monitoring against water level criteria is only applicable to bores in the receiving environment of the rehabilitation area under investigation.*
*** Base water level as at end of real data (2021)*
**** Based on PRCP model assumptions*


OAKY CREEK COAL
GROUNDWATER LEVEL MONITORING LOCATIONS
LEGEND
Oaky Creek Mining Lease
Groundwater Monitoring Bore
Quaternary Alluvium
Quaternary Alluvium / Tertiary Sediments
Tertiary Sediments
Permian Coal Measures
BH19
BH20a
BH20b
BH12
BH16b
BH16a
BH11
RO1
RO8 (RO4)
BH2
BH15
BH5
BH13
BH14
BH29
ML 70241
ML 2004
BH20a
BH26c
BH26b
ML 70327
BH21b
BH21a
BH21c
RO9 (RO5)
ML 70424
BH31
BH32
Coordinate System: GDA 1994 MGA Zone 55
Scale: 1:70,000 at A3
Project Number: 626.30050
Date: 28-Jan-2026
Drawn by: LC
SLR

Attachment 14 - Water Management Features including Watercourse Diversion Administered Under the Water Act 2000



Attachment 15 – Rehabilitation Criteria for Progressive Certification Areas

Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
Achievement of Terrestrial Ecosystem Services (Open Woodland) with Light Grazing - Grasstree and G5S (approved 16 December 2020)	**RA14**	a) G5S: ≤20% of areas exceeding maximum slope of 34%. b) Grasstree: ≤2.75% of areas exceeding a maximum slope of approximately 33%. c) Demonstrated that surface water and groundwater released are not inconsistent with background water quality. d) G5S: demonstrated geotechnical stability as assessed by an AQP for areas exceeding 35% slope. e) Progressive certification area is not actively eroding. f) No evidence of widespread vegetation dieback (i.e., dieback limited to isolated areas and temporary in nature). g) Species richness and vegetation cover are similar to the species richness and vegetation cover at analogue sites.
Achievement of Terrestrial Ecosystem Services (Open Woodland) with Light Grazing - A5 Landform (2001 IDR Section) and A6 Landform (2009 IDR Section) (approved 16 June 2022)	**RA15**	a) A5 Landform (2001 IDR): ≤1.5% of areas exceeding maximum slope of 33%. b) A6 Landform (2009 IDR): ≤1.6% of areas exceeding maximum slope of 33%. c) Average slopes < 33% d) Safe pH/EC/sodium/turbidity/metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. e) Rill depth (≤ 0.3 m) or evidence of long-term stability. f) ≥5% average canopy cover across the certification areas. g) At least four (4) native tree or shrub species across the certification areas. h) Evidence of recruitment of native species over a representative climatic period, nominally five (5) years.
Achievement of Grazing - A6 North Seismic Area (approved 16 June 2022) and OC1 (Approved 29 June 2023)	**RA16**	a) Does not pose a high risk to stock or humans as determined by AQP and slopes ≤33%. b) Safe pH, EC, sodium, turbidity, metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. c) Rill depth (≤ 0.3 m) or evidence of long-term stability. d) 70% of grass species and forb species of applicable analogue sites. e) Grass cover > 70 % of applicable analogue site. f) Herbage yield ≥ 70 % yield of applicable analogue site. g) Land suitability class 4 or better. h) Recovery of yield following disturbance based on applicable analogue sites (50 % of analogue site recovery).

Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
Achievement of Terrestrial Ecosystem Services (Open Woodland) with Light Grazing - G4 East (IDR) (approved 29 June 2023)	**RA17**	a) Slopes are < 33 %. b) IDR pre 2003 – for slopes > 33%, geotechnical assessment by a suitably qualified engineer to determine treatments required (if applicable) to ensure an adequate long-term factor of safety c) Safe pH/EC/sodium/turbidity/metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. d) Rill depth (≤ 0.3 m) or evidence of long-term stability. e) 5% average canopy cover species across the rehabilitation area. f) At least four native tree or shrub species across the rehabilitation area. g) Evidence of recruitment of native species over a representative climatic period, nominally five years h) Framework spp. remain following extreme weather events.
Terrestrial Ecosystem Services (Open Woodland) with Light Grazing - A7 South and A3 East (approved 3 March 2025)	**RA18**	a) Ponds within dragline spoil are: i. Maximum slope angle – 18.4° (3 in 1 H:V) ii. Maximum slope length – 90 m iii. Maximum vertical height between levels – 30 m iv. Minimum width/length – 20 m. v. Maximum width/length – 150 m vi. Minimum depth – 0.6 m b) Slopes are: i. < 33 %; or ii. IDR pre 2003 – for slopes > 33%, geotechnical assessment by a suitably qualified engineer to determine treatments required (if applicable) to ensure an adequate long-term factor of safety. c) Contour banks – At least 7m in vertical height on all external slopes and 3m wide d) External bunds – 1 - 2m high with a 'cross bund' at least every 60m. Max external slope angle 18.4° (3 in 1 H: V) e) Safe pH/EC/sodium/turbidity/metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. f) Rill depth (≤ 0.3m) or evidence of long-term stability. g) 5% average canopy cover species across the rehabilitation area. h) At least four native tree or shrub species across the rehabilitation area i) Evidence of recruitment of native species over a representative climatic period, nominally five years j) Framework spp. remain following extreme weather events. •

Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
Terrestrial Ecosystem Services (Open Woodland) with Light Grazing - A3 Mid, A4 South, A4 North and G7 East (approved 3 March 2025)		a) Ponds within dragline spoil are: i. Typical width 30m ii. Typical length 50m metres iii. Minimum width/length 20m iv. Maximum width/length 80m. v. Typical depth (as constructed) 1-1.5m. vi. Minimum depth - 600mm b) Angle of repose spoil are: i. Typical vertical height between levels – 10 – 15m ii. Typical length of angle of repose spoil - 15 – 23m iii. Maximum vertical height between levels - 20m iv. Maximum length of angle of repose spoil - 30m v. Minimum vertical height between different lines of spoil - 7m vi. Minimum length of angle of repose spoil between different lines of spoil - 10m Note: No angle of repose spoil in G7 East and A3 mid area at time of certification. c) Slopes are: i. < 33 %; or ii. IDR pre 2003 – for slopes >33%, geotechnical assessment by a suitably qualified engineer to determine treatments required (if applicable) to ensure an adequate long-term factor of safety d) Safe pH/EC/sodium/turbidity/metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. e) Pond volumes remain effectively unchanged over three consecutive years. f) At the time when the volume remains constant, the pond retains a general hyperboloidal shape and its depth exceeds 1000mm. g) The absence of any pipe erosion where pipes report to angle of repose spoil or where the presence of the pipe could compromise the stability of the landform. h) For angle of repose spoil:

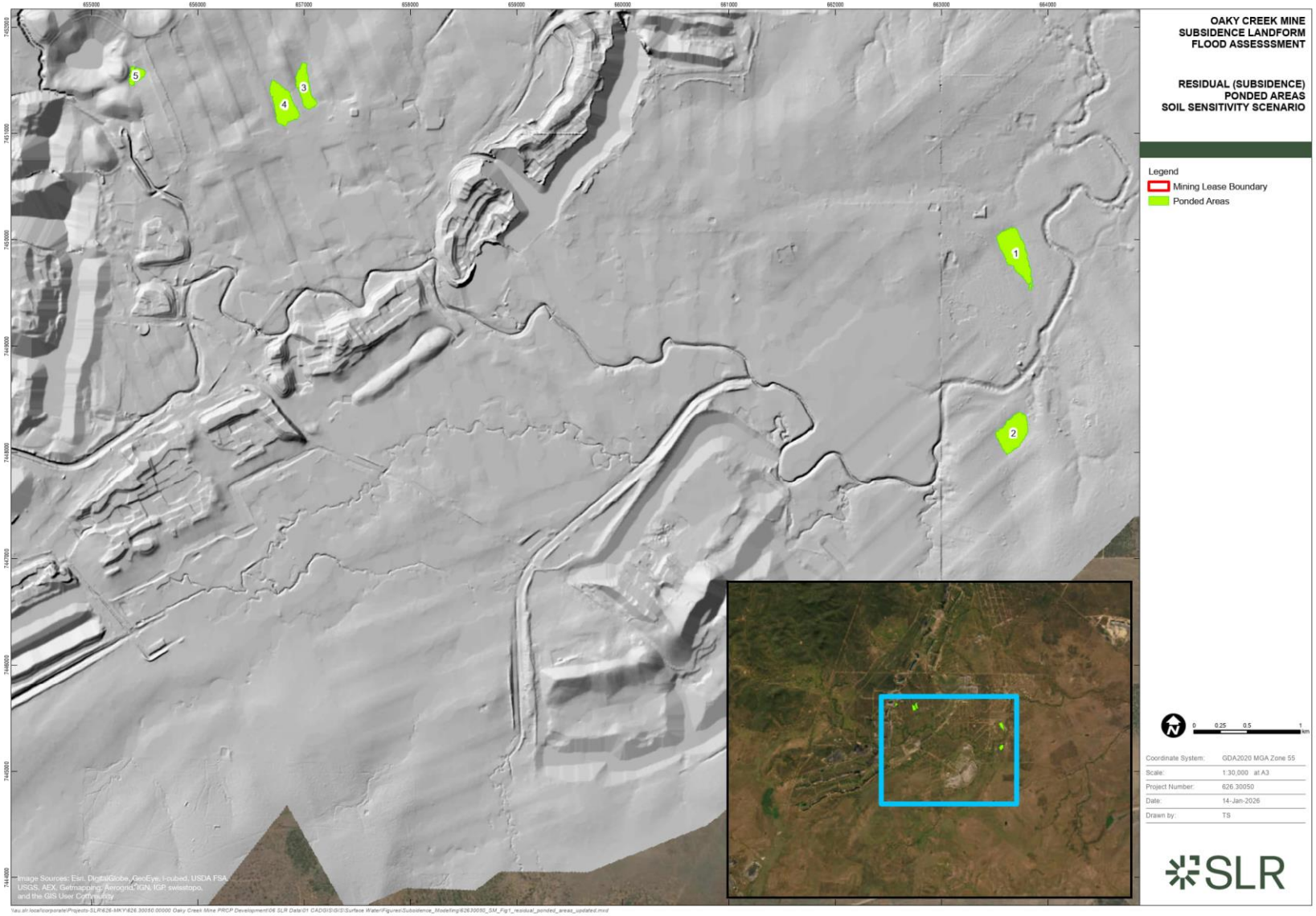
Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
		i. Angle of repose spoil would be deemed to be stable when sheet erosion has effectively ceased, and the remaining material has a self-armoured surface; ii. The absence of any slumping which could compromise the stability of the landform through unacceptable reduction in the volume of the ponds; and iii. The absence of any rill or gully with a depth greater than 200 mm. i) All voids would drain internally and would have catchments restricted such that the catchment area approximates the surface of the void area. j) After completion of sheet erosion, voids would have sufficient volume available to contain all rainfall from storm or wet season events up to a one in 100-year event. k) Rill depth (≤ 0.3 m) or evidence of long-term stability. l) Materials which may adversely affect rehabilitation are to be effectively buried or covered with suitable spoil and/or topsoil (100-300mm), and/or an appropriate chemical treatment. m) Use of favourable materials including topsoil with no acidic or alkaline drainage. n) Vegetative cover to be at least 80% of the particular area, excluding ramps and final voids within mining areas, or be comparable to the vegetation cover in adjacent areas not disturbed by mining operations. The vegetation cover should comprise tree and appropriate shrub and grass understorey species. o) At least 100 live trees per hectare or have vegetation densities comparable with adjacent undisturbed areas of land. p) Emergence of second generation tree or shrub species and/or emergence of self-sown flora from adjacent areas. q) 5% average canopy cover species across the rehabilitation area. r) At least four native tree or shrub species across the rehabilitation area. s) Evidence of recruitment of native species over a representative climatic period, nominally five years. t) Framework spp. remain following extreme weather events. •
Achievement of Grazing - OC1 LW 25-33 and OCN LW 1-10 (approved 3 March 2025)	**RA19**	a) Overall slopes ≤21%. b) Does not pose a high risk to stock or humans as determined by an appropriately qualified person. • Note: Slopes >21% only occur along creek banks and in small areas of micro relief and comprise 2.63 % of the OC1 LWS 25-33 landform and 4.35 % of the OCN LW 1-10 landform. c) Groundwater monitoring will comply with the trigger levels in Table D2 – Groundwater investigation – trigger levels of the EA. d) Downstream surface water monitoring must comply with Condition C22 of the EA.

Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
		e) Safe pH, EC, sodium, turbidity, metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. f) Rill depth (≤ 0.3 m) or evidence of long-term stability. g) Land Suitability Class has been determined in accordance with the Guidelines for Agricultural Land Evaluation in Queensland (DSITI & DNRM 2015). h) Land suitability class ≥ 4. i) At least 3 palatable, perennial and productive (3P) native species present. j) Grass cover > 70 % of applicable analogue site. k) >70% of grass species and forb species of applicable analogue sites l) Recovery of yield following disturbance based on applicable analogue sites (50% of analogue site recovery). m) Weed+ presence is a maximum of 10% of total vegetative groundcover confirmed by an AQP in annual monitoring. Weed management recommendations to be provided in annual reports. n) For subsided areas, where required: i. Shallow rip to infill surface cracks; and ii. Excavate drainage channels to allow free drainage. •
Achievement of Grazing – A5 Highwall, A7 Seismic and Northern Longwall (approved 3 March 2026)	**RA20**	a) Overall slopes ≤21%. b) Does not pose a high risk to stock or humans as determined by an appropriately qualified person. • Note: Slopes >21% only occur along creek banks and in small areas of micro relief and comprise 2.63 % of the OC1 LWS 25-33 landform and 4.35 % of the OCN LW 1-10 landform. c) Groundwater monitoring will comply with the trigger levels in Table D2 – Groundwater investigation – trigger levels of the EA. d) Downstream surface water monitoring must comply with Condition C22 of the EA. e) Safe pH, EC, sodium, turbidity, metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. f) Rill depth (≤ 0.3 m) or evidence of long-term stability. g) Land Suitability Class has been determined in accordance with the Guidelines for Agricultural Land Evaluation in Queensland (DSITI & DNRM 2015). h) Land suitability class ≥ 4. i) At least 3 palatable, perennial and productive (3P) native species present. j) Grass cover > 70 % of applicable analogue site.

Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
		k) >70% of grass species and forb species of applicable analogue sites l) Recovery of yield following disturbance based on applicable analogue sites (50% of analogue site recovery). m) Weed+ presence is a maximum of 10% of total vegetative groundcover confirmed by an AQP in annual monitoring. Weed management recommendations to be provided in annual reports. n) For subsided areas, where required: i. Shallow rip to infill surface cracks; and ii. Excavate drainage channels to allow free drainage.
Terrestrial Ecosystem Services (Open Woodland) A5 and A6 Pit and Ramp (approved 3 March 2026)		a) Overall Slopes <21 % b) Final void batter slopes are <12% on average across the filled voids and <20% on average across the reprofiled voids c) Tailings/reject material capped with minimum of 2m of fill d) No highwalls are present in the landform and the reshaped landform is free draining (noting that the natural landform may have small pockets of short-term water) e) Groundwater monitoring will comply with the trigger levels in Table D2 – Groundwater investigation – trigger levels of the EA. f) Downstream surface water monitoring must comply with Condition C22 of the EA. g) No evidence of erosion classified as 'moderate' or 'severe' as defined by Appendix 3 - Erosion classification framework h) >70% total cover across rehabilitation area, including multilevel canopy, groundcover, and leaf litter. i) At least four native tree or shrub species across the rehabilitation area. j) Evidence of recruitment of native tree species over a representative climatic period. k) 5% average canopy cover species across the rehabilitation area. l) At least four native tree or shrub species across the rehabilitation area m) Evidence of recruitment of native species over a representative climatic period, nominally five years. n) Safe pH/EC/sodium/turbidity/metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. o) Rill depth (≤ 0.3 m) or evidence of long-term stability. p) Slopes are < 33%. q) Framework spp remain following drought.

Status/Year Approved	Rehabilitation area	Assessment Criteria used to Certify Rehabilitation
***Pending approval Achievement of Grazing LW 400s & 700s series (approved TBC)	**RA21**	a) Overall slopes <21% b) Groundwater monitoring will comply with the trigger levels in Table D2 – Groundwater investigation – trigger levels of the EA. c) Downstream surface water monitoring must comply with Condition C22 of the EA. d) Safe pH, Electrical Conductivity (EC), sodium, turbidity, metal levels in water samples based on local applicable analogue systems and compliant with EA conditions. e) Rill depth (≤ 0.3 m) or evidence of long-term stability. f) Land Suitability Class has been determined in accordance with the Guidelines for Agricultural Land Evaluation in Queensland (DSITI & DNRM 2015). g) Land suitability class ≥ 4. h) At least 3 palatable, perennial and productive (3P) native species. i) Grass cover >70% of applicable analogue site. j) >70% of grass species and forb species of applicable analogue sites. k) Recovery of yield following disturbance based on applicable analogue sites (50 % of analogue site recovery). l) Herbage yield ≥ 70 % yield of applicable analogue site. m) Weed+ presence is a maximum of 10% of total vegetative groundcover confirmed by an AQP in annual monitoring. Weed management recommendations to be provided in annual reports. n) For subsided areas, where required: i. Shallow rip to infill surface cracks; ii. Excavate drainage channels to allow free drainage

Attachment 16 – Residual (Subsidence) Ponded Areas



END OF **PRCP** SCHEDULE