PRCP schedule

Environmental Protection Act 1994

PRCP Schedule P-PRCP-100766313 Georgetown Gold Mine

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

PRCP schedule: P-PRCP-100766313_V2

PRCP schedule holder

Name	Registered address
Kempton Minerals Pty Ltd	Suite 9C, Level 9, 144 Edward Street, BRISBANE QLD 4000

Location details

Locations
Mining lease (ML) 3409, ML3358, ML3374, ML3540, ML3548, ML3591, ML30192, ML30193, ML30195, ML30196, ML30201 and ML30203

Take effect

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

Signature	Date
	30 September 2026

Giles Bezzina

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.

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 - Appendices.

1 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

There are no conditions beyond those contained in section 206A of the *Environmental Protection Act 1994* that apply to this PRCP schedule.

General conditions

PRCP1 Notwithstanding any other condition of this PRCP Schedule, the holder must not cause mining disturbance unless and until such time as that disturbance has an associated rehabilitation outcome provided for in the relevant PRCP Schedule.

PRCP2 The holder must for each rehabilitation and improvement area, achieve the corresponding rehabilitation or management milestone criterion (milestone reference):

a. For the cumulative area available specified in this schedule; and

b. By the milestone completion date specified in this schedule.

PRCP3 Where land becomes ‘available for rehabilitation’ earlier than the date nominated in this schedule, the holder must:

a. Notify the administering authority in writing within 30 days of the land becoming ‘available for rehabilitation’. The written notification must include precise details of the relevant land area and the date when that land becomes ‘available for rehabilitation’; and

b. Unless otherwise agreed to by the administering authority in writing, within 90 days of the land becoming ‘available for rehabilitation’, apply to the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition, including bring forward achievement of relevant milestones and criteria.

Note:

1. Reference to "earlier than the nominated date in the schedule" means a date that is greater than 1 year prior to the date nominated in the schedule.
2. The written notification must include precise details of the relevant land area and the date when that land became ‘available for rehabilitation’
3. Assessment of land becoming available is undertaken on a nominally annual basis.
4. Rehabilitation of land size must be practicable and economical.
5. The dates by which milestones are to be completed is brought forward, to the extent it is reasonably practicable to do so, by the same amount of time as the commencement was brought forward.

PRCP4 Where an area achieves a rehabilitation or management milestone, the holder must continue to achieve the milestone for that rehabilitation milestone until:

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

b. A surrender is approved.

PRCP5 The holder must maintain a risk register that identifies:

a. The risks that may prevent achievement of a stable condition for post-mining land uses (PMLU);

b. The risks that may prevent sufficient improvement for non-use management areas (NUMA); and

c. How the risks are being managed and/or minimised.

PRCP6 The risk register (PRCP5) must be reviewed every three years from the date the original PRCP schedule was approved and include consideration of the outcomes of PRCP monitoring data.

PRCP7 The holder must carry out monitoring in accordance with:

a. Any requirement under this schedule; and

b. As necessary to demonstrate achievement of each rehabilitation milestone or management milestone criteria.

Note: Where there is an inconsistency between this schedule and the rehabilitation planning part, the schedule criteria prevail to the extent of the inconsistency.

PRCP8 The holder must make and keep up to date records on:

a. Achievement and maintenance of each rehabilitation or management milestone criteria of this schedule;

b. Rehabilitation activities and the results of those activities (including but not limited to, actions taken, date, location, methods, data collected, Quality assurance and quality control (QA/QC), photos, waste tracking and disposal records, appropriately qualified person details and assumptions);

c. Maintenance of rehabilitation and the results of maintenance activities;

d. Monitoring of rehabilitation and the results of monitoring;

e. Details and results of rehabilitation trials;

f. Designs, drawings, specifications and any similar documents developed in accordance with good professional practice in relation to rehabilitation milestones or milestone criteria;

g. All documents in relation to the requirements of this schedule, including reports (e.g. site investigation report), statements (e.g. site suitability statement), certifications, assessments, investigations, inspections, audits or any similar documents developed in relation to rehabilitation milestones or milestone criteria;

h. Landholder agreements;

i. Details of community consultation in the community consultation register relating to rehabilitation and closure activities; and

j. Any other evidence and/or records on which the holder relies on to demonstrate achievement of each rehabilitation milestone criteria in this schedule.

PRCP9 Records made under PRCP8 must be kept until the relevant environmental authority has been surrendered.

PRCP10 Records made under PRCP8 must be provided to the administering authority in the specified format within 10 business days of a written request or an alternative timeframe agreed between the administering authority and the holder of this PRCP schedule.

PRCP11 All AQP designs, specifications, certifications, assessments and any similar documents, must:

a. Include documented consideration of any relevant guideline or publication material, including material published by the administering authority;

b. Detail the boundary conditions (of any model);

c. Detail any assumptions made, limitations and areas of uncertainty; and

d. Contain sufficient detail to allow for independent peer review and substantiation.

PRCP12 Disturbance due to exploration and minor ancillary activities in areas not planned to be mined and not within a Rehabilitation Area in this schedule must be rehabilitated in accordance with the provisions detailed in the '*Eligibility criteria and standard conditions for exploration and mineral development projects'* or its successor, with the exception that land must be rehabilitated to a stable condition which includes achieving the relevant post mining land use for the disturbance location as detailed in **Figures 1 – 10 Final Site Designs.**

PRCP13 An up-to-date closure groundwater and water balance model (calibrated once data becomes available) must be maintained with predictions rerun at least every five years, from the date of approval of the PRCP and within a year of any surrender application.

PRCP14 The holder must, prior to completion of mining, submit to the administering authority updated long term

post-mining prediction numerical modelling for drawdown and groundwater level elevations. The predictive groundwater modelling as per the Australian Groundwater Modelling Guidelines (current version), confirms:

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

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

PRCP15 By 31 March 2027, the holder must for each relevant structure provide to the administering authority an AQP prepared and peer reviewed, landform closure design report, which includes detailed engineering designs.

PRCP16 The landform closure design report in PRCP15, must at a minimum for the relevant structures include:

a. Design aims, objectives and performance outcomes of the final landform, including the cover system and batters,

b. The intended design life of the component parts of each relevant structure including the cover, plateau, batters, access points, water management, and associated monitoring network,

c. Quality assurance and quality control required during construction,

d. How the cover system achieves a performance outcome equivalent to or better than the design provided in the PRC Plan dated March 2026,

e. How the cover system performance will be demonstrated,

f. How the landform achieves acceptable geotechnical and erosional stability,

g. How the landform achieves an acceptable water quality outcome,

h. How redundancy of the monitoring network has been identified and built into the final design,

i. How the design, including the component parts supports the achievement of the nominated PMLU,

j. The critical design elements and associated assessment that support the achievement of a stable condition, and

k. Where any assumed or inferred material properties have been used in the design or its assessment (inclusive of modelling), detailed discussion justifying why actual/measured properties were not used, how uncertainties regarding material properties may affect performance, and how those uncertainties are managed.

PRCP17 The documents required under PRCP15 (detailed in PRCP16) must be independently peer reviewed. Both the AQP and independent peer reviewer must provide a certification, that the landform closure design report is fit for purpose, prepared in accordance with good professional practice and if constructed as per the landform closure design report the rehabilitated landform will achieve a stable condition in a post-closure context.

PRCP18 The currency of the landform closure design report must be maintained, and the report updated as often as necessary, to ensure that the relevant structures will achieve a stable condition that can be sustained. Where the report has been updated, the certifications under PRCP17 must also be provided in relation to the updates.

PRCP19 By 31 March 2027, the holder must submit to the administering authority a flood risk assessment for Voids: Electric Light Pit, Red Dam Pit, Jubilee Plunger Pit, associated Waste Rock Dumps (WRDs) and permanent landforms that will remain post-closure. The assessment must:

a. Be prepared by an independent appropriately qualified person (AQP).

b. Identify and evaluate hydraulic interactions between voids, WRDs and surrounding landforms under extreme flood scenarios.

c. Model voids under both empty and full ponded conditions, demonstrating freeboard, and potential for uncontrolled releases, overtopping, or ingress.

d. Include a Consequence Category Assessment (CCA) in accordance with ESR/2016/1933 (or latest versions) for each water storage under closure conditions.

e. Demonstrate how the final landform will:

    i. For embankments, bunds and WRDs, maintain a stable condition; and

ii. For Voids, remain structurally stable and cause no environmental harm during flood events, including extreme events.

f. Recommended design modifications or new measures to provide flood immunity, safety and environmental protection in closure. These will include at least:

i. Proper design of the northern Electric Light Pit embankment including armouring, demonstrating how flood protection design will avoid unacceptable impacts on void edge bund and ingress.

ii. Provide flood immunity for potential ingress along the western and northern edges of Electric Light Pit.

iii. Provide flood immunity for ingress into Robin Hood Pit, including through concentrated flow from adjacent WRD and the risk of progressive WRD erosion.

g. Where recommended in part (f) an AQP must prepare a conceptual design plan for any new or modified structure (including void bunds or WRD stability works) in accordance with ESR/2016/1933, the PRCP Guideline (ESR/2019/4964), and relevant guidelines.

PRCP20 By 31 March 2027, the holder must submit to the administering authority the report required in PRCP19, along with a certification by an independent AQP that endorses the flood risk assessment, confirms that it is consistent with good professional practice, is fit for purpose, and that they support the findings and recommendations.

PRCP21 By 31 March 2027, the holder must submit to the administering authority erosion modelling, in accordance with the latest version of the '*Guideline Progressive rehabilitation and closure plans (PRC plans) (ESR/2019/4964)*', predicting the long-term stability of the final landform design for each relevant structure under PRCP15.

PRCP22 By 31 March 2027, the holder must submit to the administering authority a bore specification report prepared by an AQP outlining the specifications of additional bores to be installed to collect more representative data to inform long-term pit water quality modelling, inflow/seepage rates and risks of stratification.

PRCP23 By 31 July 2027, the holder must install the additional bores specified under PRCP22.

PRCP24 By 30 September 2026, the holder must submit to the administering authority flood modelling of the peak water level 0.1% Annual Exceedance Probability (AEP) for a relevant watercourse consistent with the guideline Australian Rainfall and Runoff (2019) (ARR) that incorporates climate change considerations.

PRCP25 By 31 March 2028, the holder must submit to the administering authority an updated hydrogeological assessment that incorporates groundwater modelling for the proposed NUMAs to verify that they function as groundwater 'sinks'.

PRCP26 By 31 March 2028, the holder must submit to the administering authority the results of water quality modelling for the Electric Light Pit, Red Dam Pit, Black Blow Pit and Jubilee Plunger Pit, including long-term predictions of post-closure water quality and potential stratification.

PRCP27 By 31 March 2028, the holder must submit to the administering authority, within an amendment application lodged pursuant to the *Environmental Protection Act 1994*, site-specific surface water quality limits for monitoring locations identified in Appendix 6 of this PRCP schedule and site-specific groundwater quality limits for monitoring locations identified in Appendix 7 of this PRCP schedule.

END OF CONDITIONS

2 Section B – Definitions

Appropriately qualified person (AQP)	means a person who has professional qualifications, training, skills and experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods or literature.
Activity (EP Regulation)	includes that part, if any, of an activity relating to the following— (a) preparing a place for the activity before carrying out the activity; (b) rehabilitating a place after it has been used for carrying out the activity.
BioCondition	refers to the *BioCondition Assessment Manual* (Eyre, T.J., Kelly, A.L, Neldner, V.J., Wilson, B.A., Ferguson, D.J., Laidlaw, M.J. and Franks, A.J. (2015)) and *BioCondition: A Condition Assessment Framework for Terrestrial Biodiversity in Queensland. Assessment Manual. Version 2.2* (Queensland Herbarium, Department of Science, Information Technology, Innovation and Arts, Brisbane) or later versions thereof.
Contaminants	can be a gas, liquid or solid; or an odour; or an organism (whether alive or dead), including a virus; or energy, including noise, heat, radioactivity and electromagnetic radiation; or a combination of contaminants.
Contaminated Land Auditor	a contaminated land auditor is responsible for auditing the work of the suitably qualified person (SQP) by evaluating and certifying site investigation and validation reports and drafting the site management plans that are submitted for a decision on a land contamination matter.
Ecosystem altering weeds	are invasive plants that have the capacity to change the character, condition, form or nature of ecosystems over a substantial area relative to the extent of that ecosystem. They can outcompete native species, alter habitats and/or change fire regimes, thereby negatively impacting biodiversity and ecosystem function.
Environmentally problematic material	means material that will negatively impact water quality and stability or vegetation growth.
Flood stress	is the pressure on structures from rapid water rise, erosion, and saturation during extreme floods, risking instability.
Growth media	is defined as all soil and soil-like material that will support the final vegetation cover. This includes the topsoil and subsoil where these materials are applied independently. Where the topsoil is incorporated into the underlying subsoil/spoil, topsoil refers to the depth of incorporation and the remaining depth is regarded as subsoil. The total depth of growth media is nominally considered to be the effective plant root zone
Gully	a gully is a channel excavated by water, more than 0.3 m deep.
Independent AQP	is an AQP who is a third party, being independent of the PRCP schedule holder, and has not previously provided advice on the matter the subject of the review.
Independently peer reviewed	means a peer reviewer who is a third-party to the PRCP schedule holder and the AQP whose report is being reviewed and substantiated. The peer reviewer shall also be an AQP and documentation provided must contain sufficient detail to allow for independent technical review and substantiation and provide and justify site-specific landform performance (SMART) criteria.

Potentially acid forming (PAF)	means material with either a Net Acid Producing Potential of greater than 5 kg of H2SO4/tonne or a Net Acid Generation oxidation pH of less than 4.5 (pH unit).
Rehabilitation activity	means any activity that the holder is required to carry out in relation to this PRCP schedule.
Relevant material	includes: i. Final landform design report, ii. "As Constructed" report; iii. All monitoring data iv. Assessment of monitoring data, v. All maintenance records; and vi. Modelling and technical assessments.
Relevant structure	To be defined during the assessment and listed here. Typically includes TSF and higher risk structures, including WRDs.
Relevant watercourse	means– a) a watercourse that, under the Strahler method, is a stream ordered as a fourth order stream or higher, or b) if a watercourse mentioned in paragraph (a) is permanently diverted under– i. a condition, or proposed condition, of an environmental authority mentioned in the Water Act 2000, section 98, or ii. a water licence or proposed water licence under the Water Act 2000, • the watercourse as permanently diverted.
Rill	a rill is a channel excavated by water, less than 0.3 m deep.
Stable	in relation to land, means landform dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of environmental context, geotechnical stability, settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation.
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 Fourth 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.
Weed	non-native plants that can displace native plants, disrupt ecosystems, and alter landscapes.

3 Section C - Final site design and reference maps

Figure 1 – Final Site Design Plant Site (ML3409, ML3540, ML3591)

Figure 2 - Final Site Design Jubilee Plunger (ML3374)

Figure 3 - Final Site Design Electric Light (ML3548)

Figure 4 – Final Site Design Red Dam (ML30203)

Figure 5 - Final Site Design Try No More (ML3358)

Figure 6 - Final Site Design Phily's (ML30192)

Figure 7 – Final Site Design Rhyolite (ML30193)

Figure 8 - Final Site Design Tom's (ML30195)

Figure 9 - Final Site Design Sir William Alfred (ML30196)

Figure 10 - Final Site Design Abe's (ML30201)

Figure 11 – Reference Map Plant Site (ML3409, ML3540, ML3591)

Figure 12 – Reference Map Jubilee Plunger (ML3374)

Figure 13 – Reference Map Electric Light (ML3548)

Figure 14 – Reference Map Red Dam (ML30203)

Figure 15 – Reference Map Try No More (ML3358)

Figure 16 – Reference Map Phily's (ML30192)

Figure 17 – Reference Map Rhyolite (ML30193)

Figure 18 - Reference Map Tom's (ML30195)

Figure 19 – Reference Map Sir William Alfred (ML30196)

Figure 20 – Reference Map Abe's (ML30201)

Figure 1 – Final Site Design Plant Site (ML3409, ML3540, ML3591)

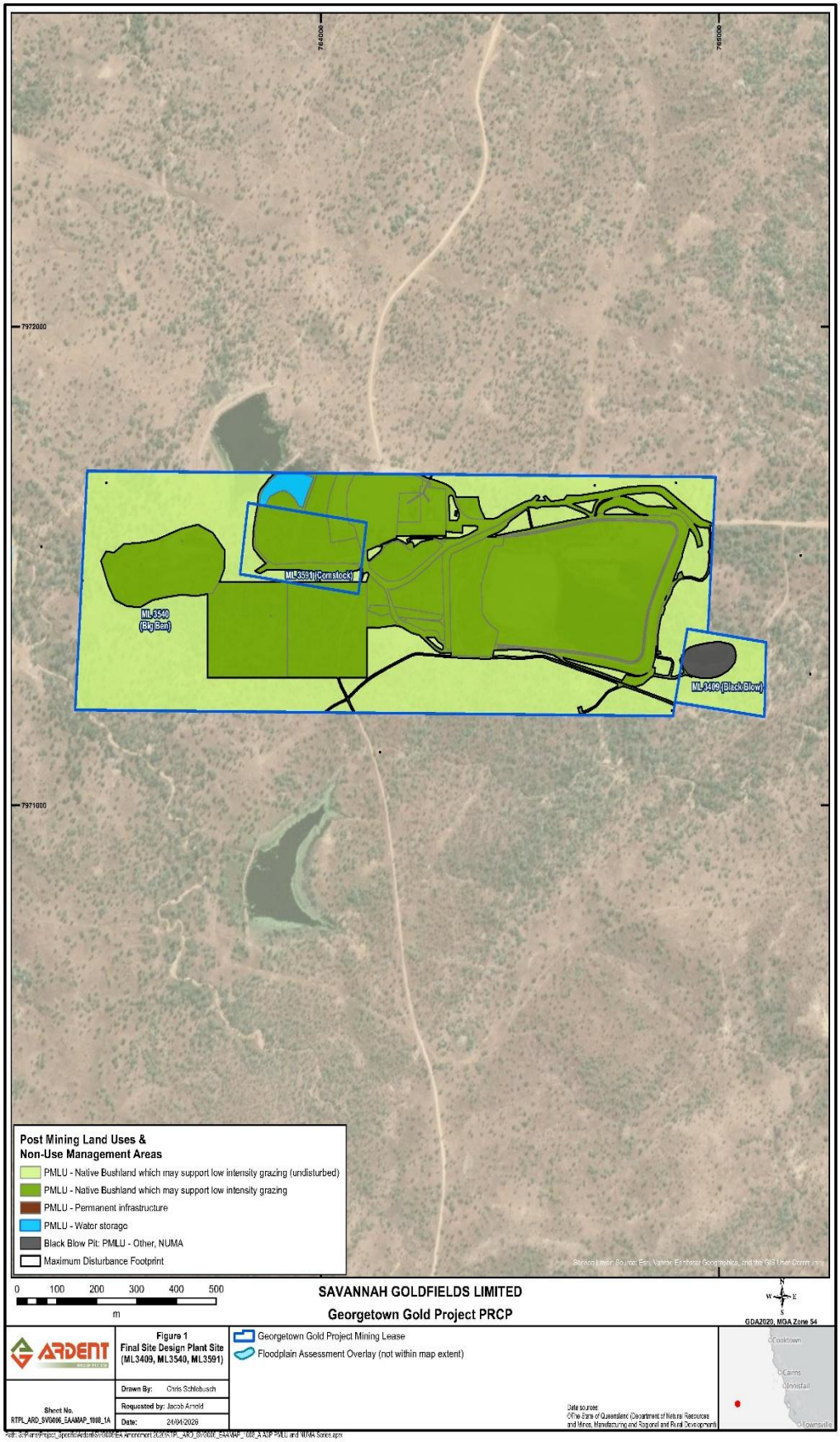


Figure 2 - Final Site Design Jubilee Plunger (ML3374)

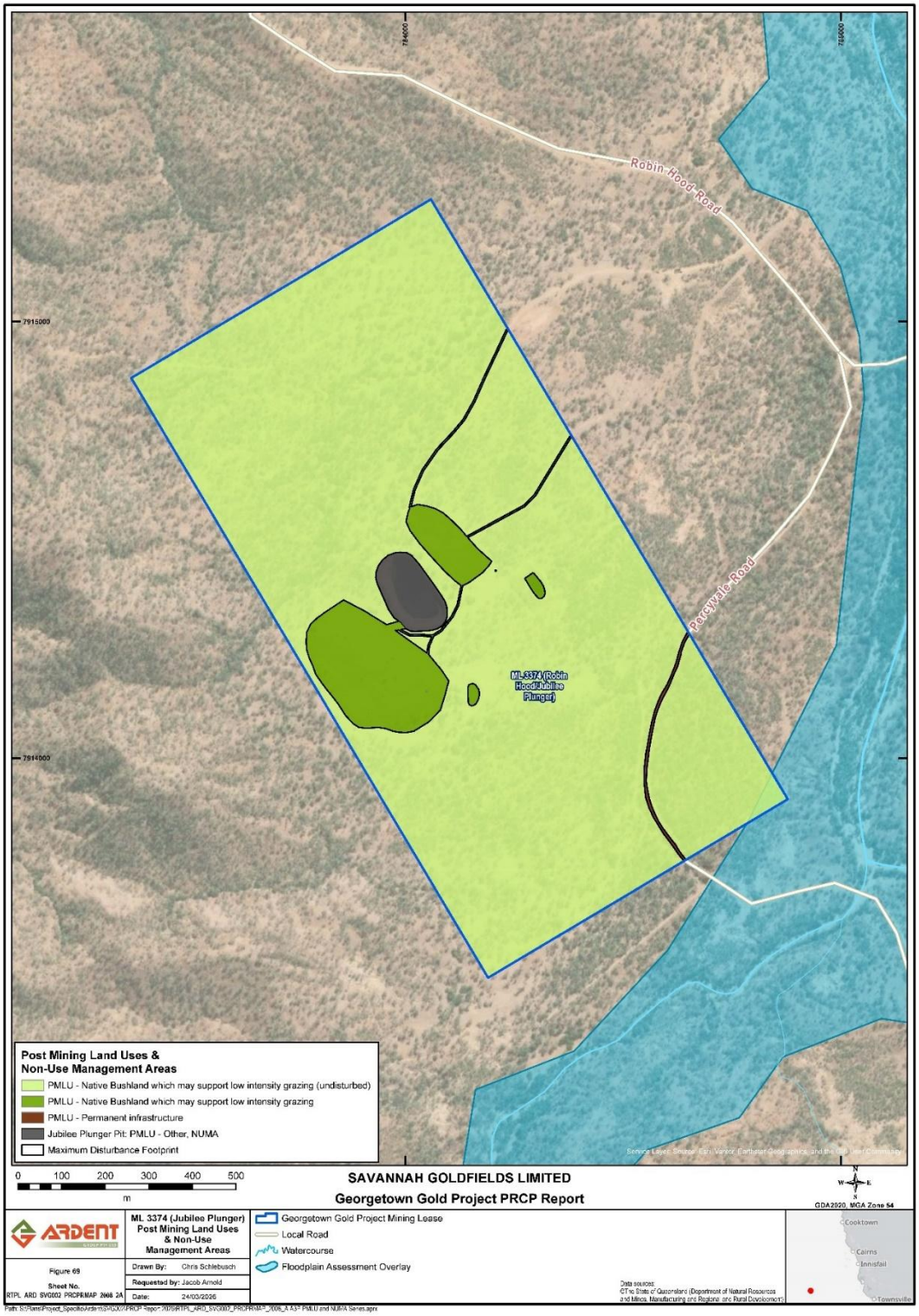


Figure 3 - Final Site Design Electric Light (ML3548)

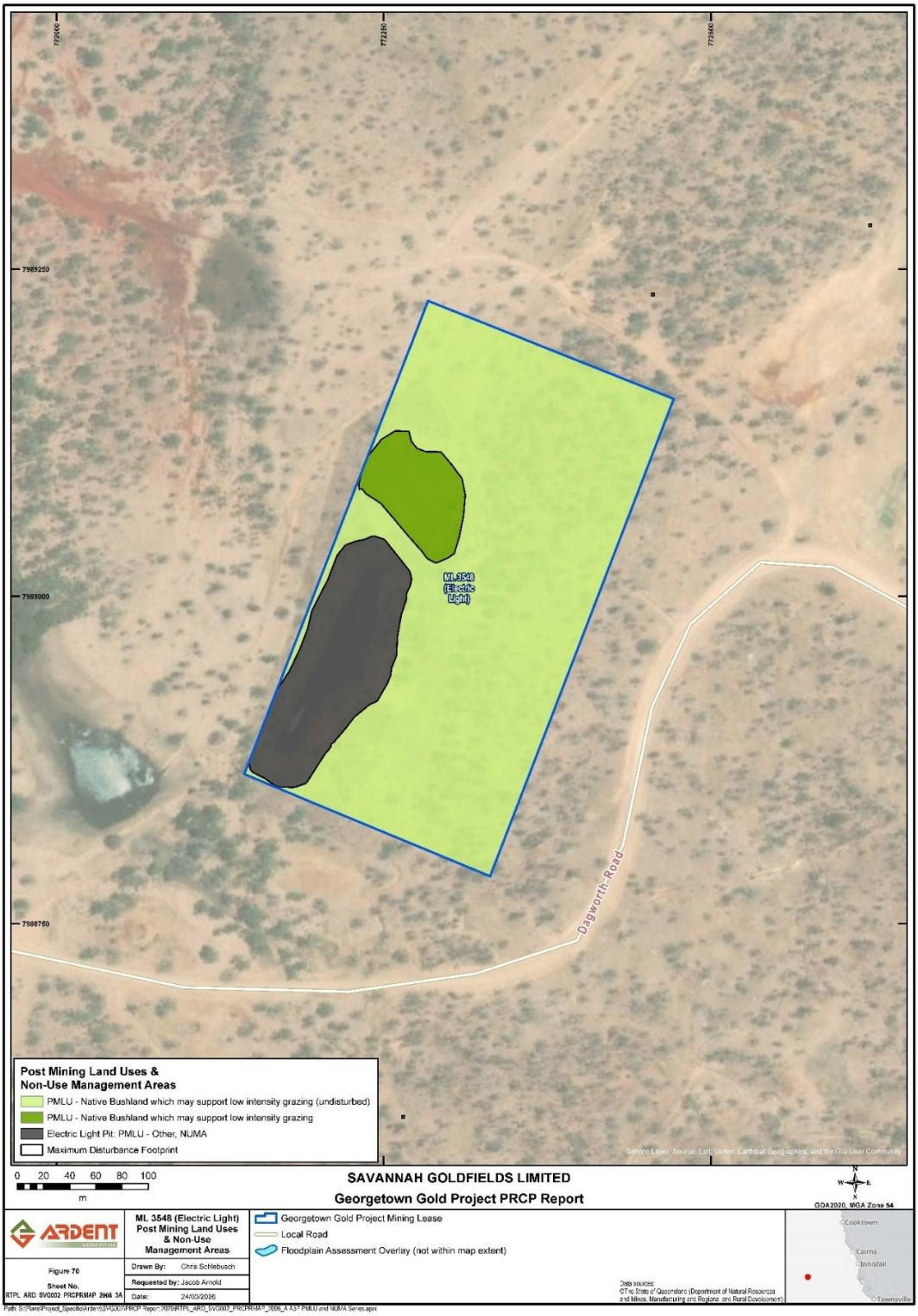


Figure 4 – Final Site Design Red Dam (ML30203)

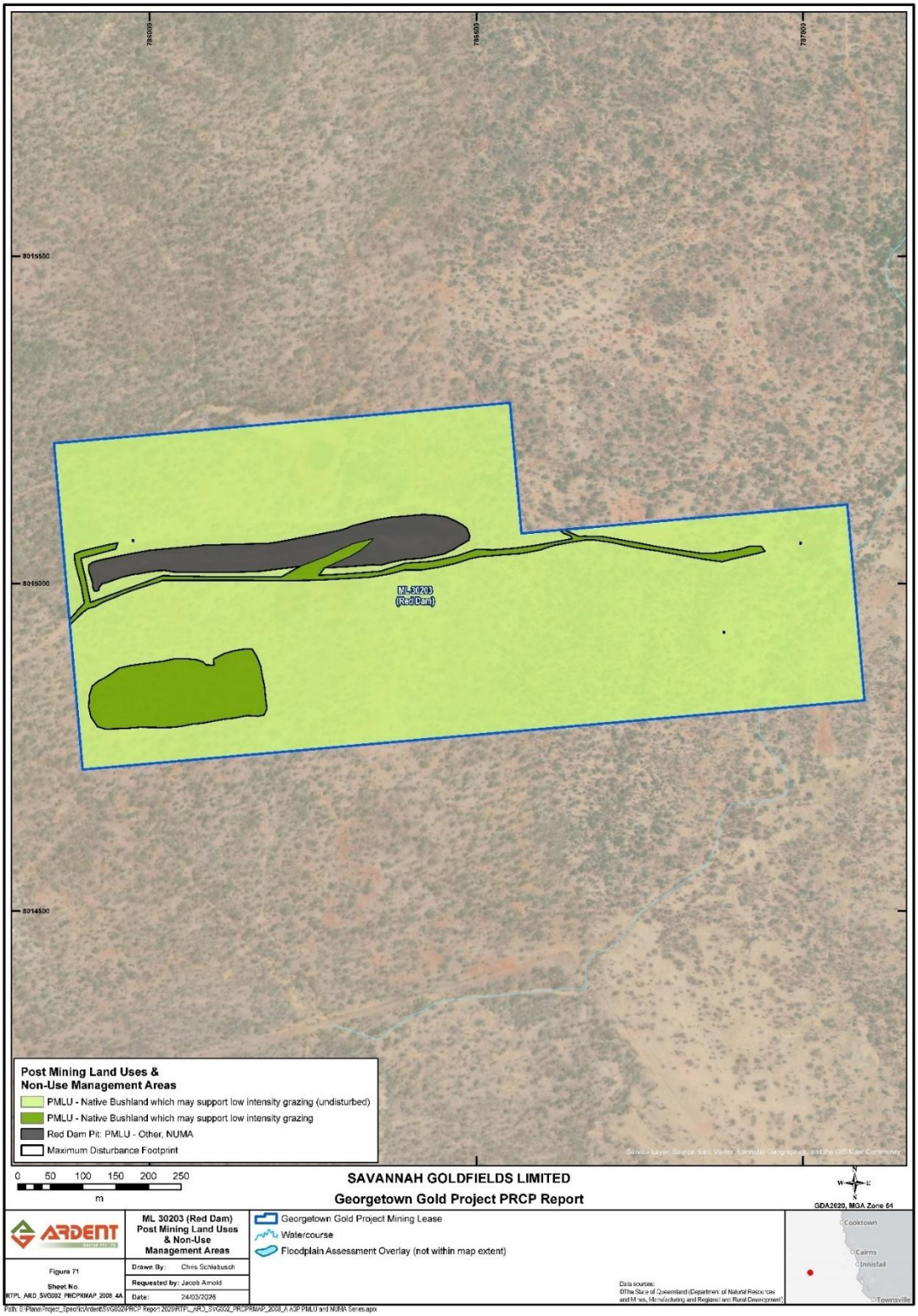


Figure 5 - Final Site Design Try No More (ML3358)

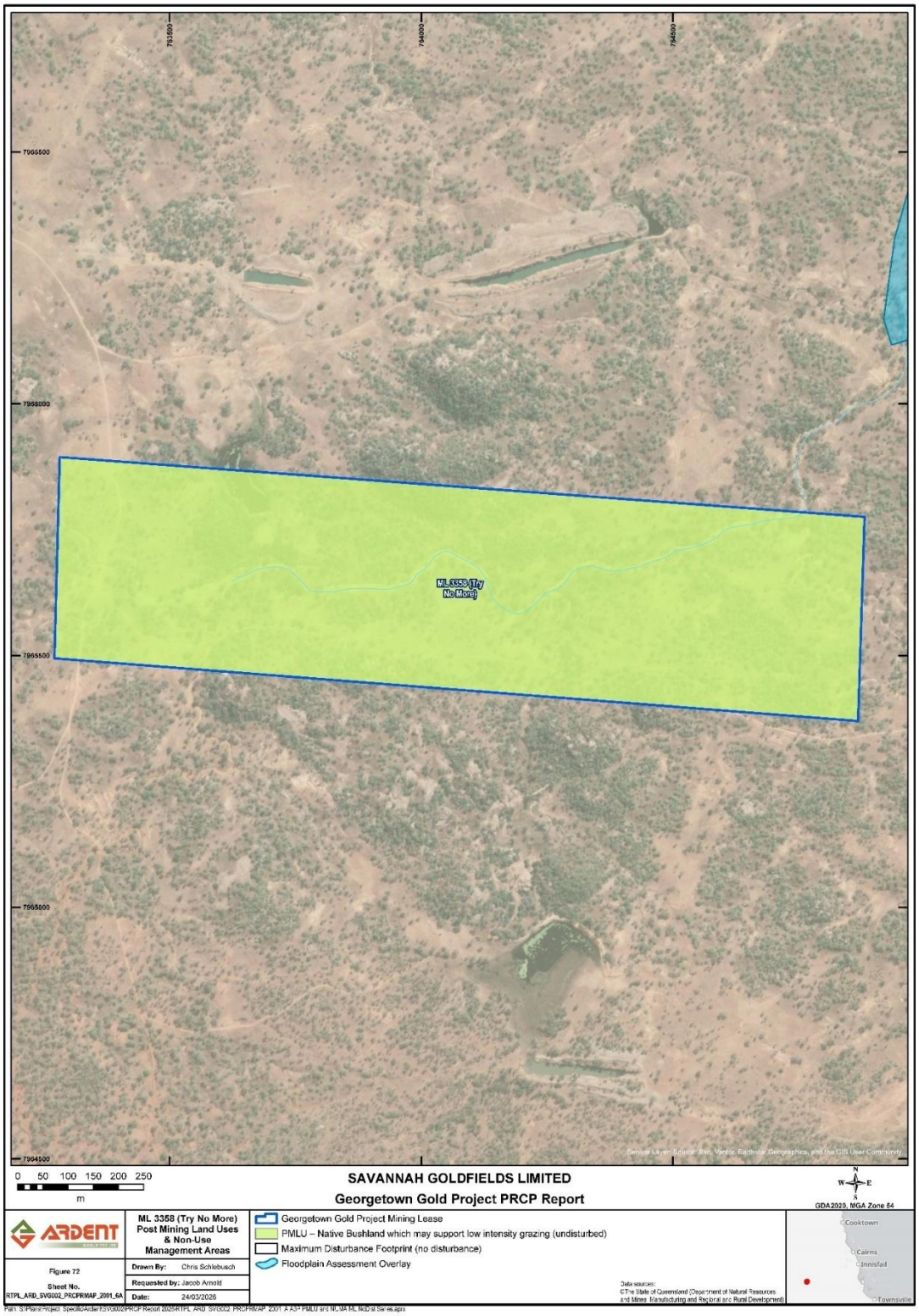


Figure 6 - Final Site Design Phily's (ML30192)

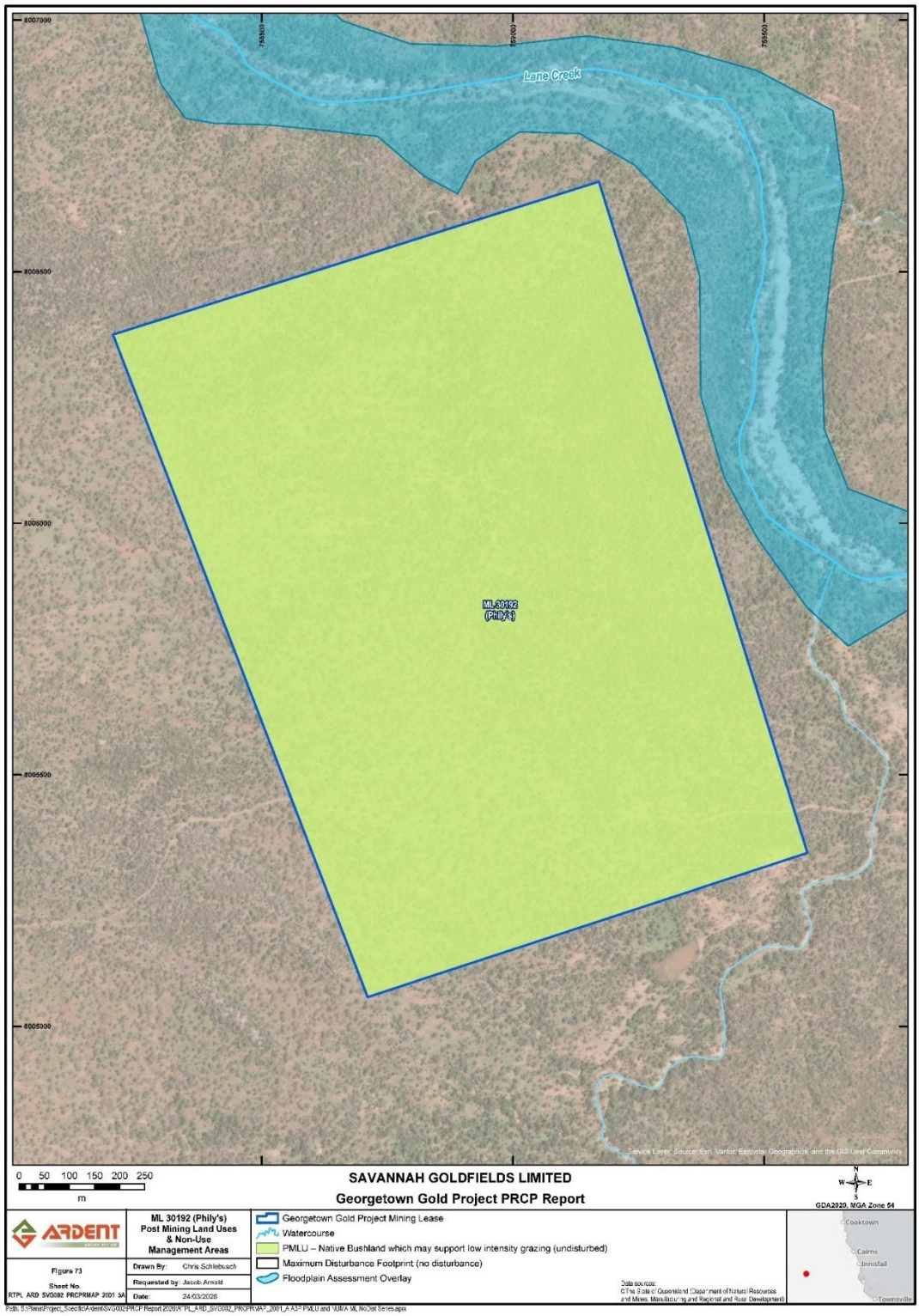


Figure 7 – Final Site Design Rhyolite (ML30193)

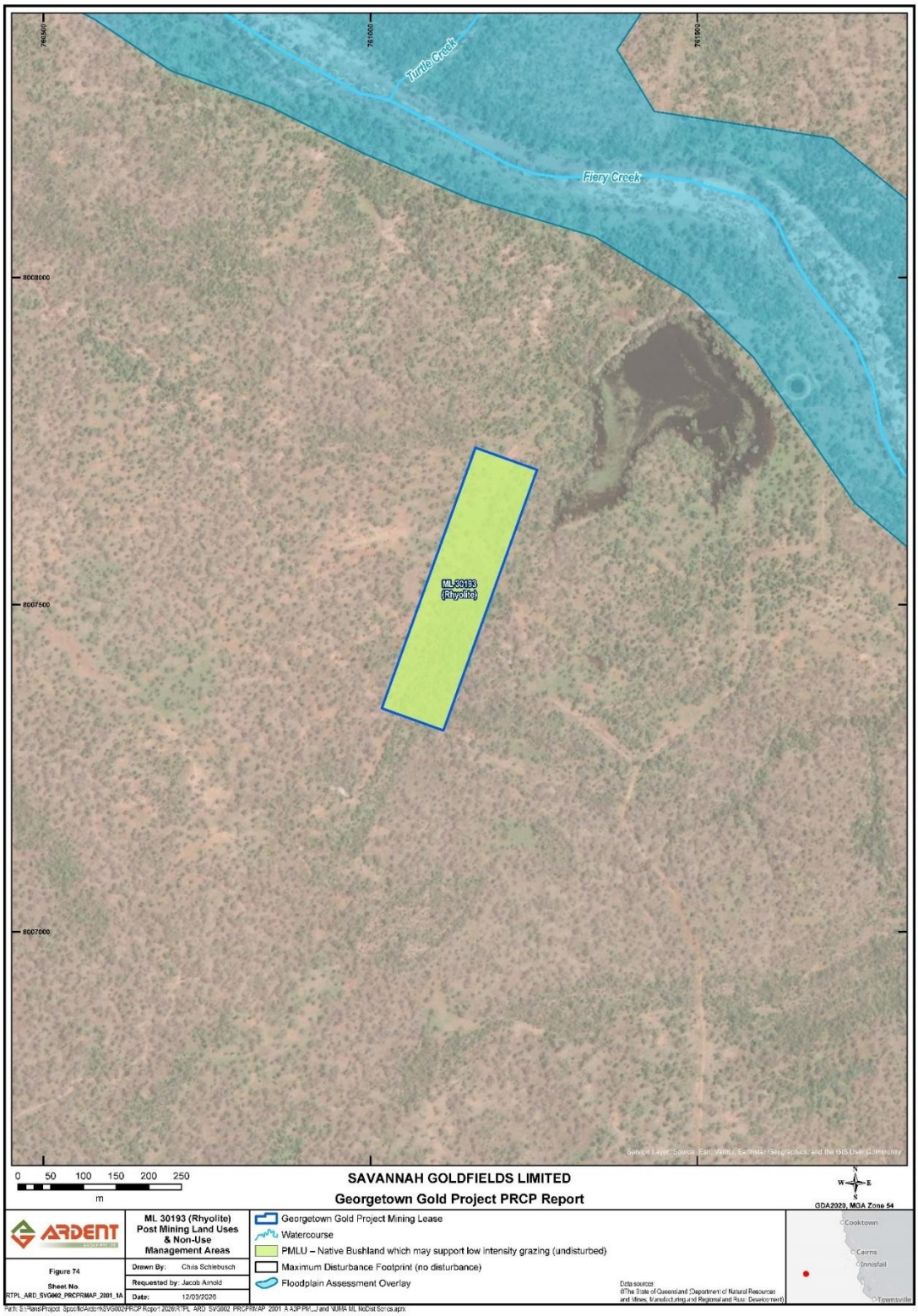


Figure 8 - Final Site Design Tom's (ML30195)

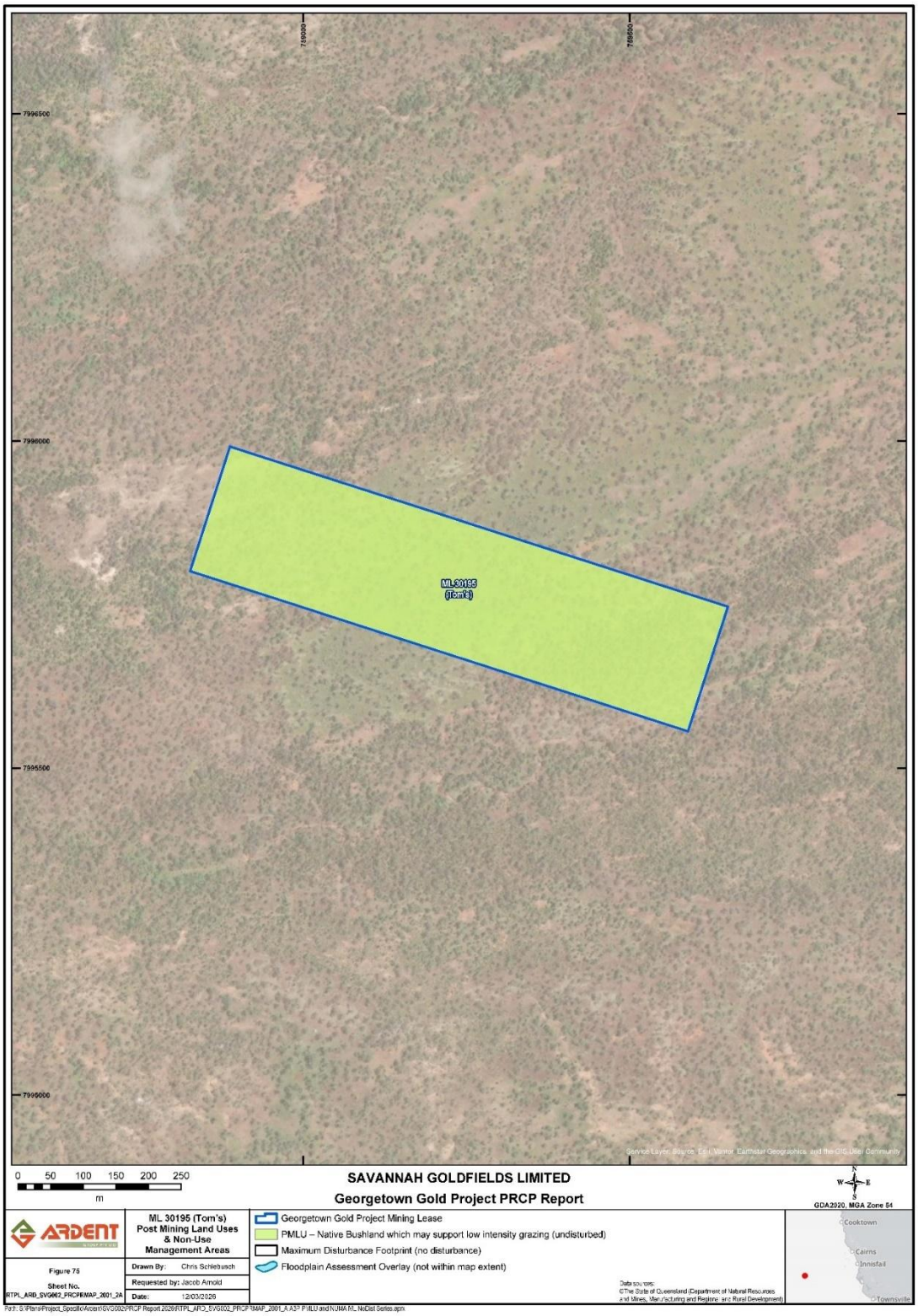


Figure 9 - Final Site Design Sir William Alfred (ML30196)

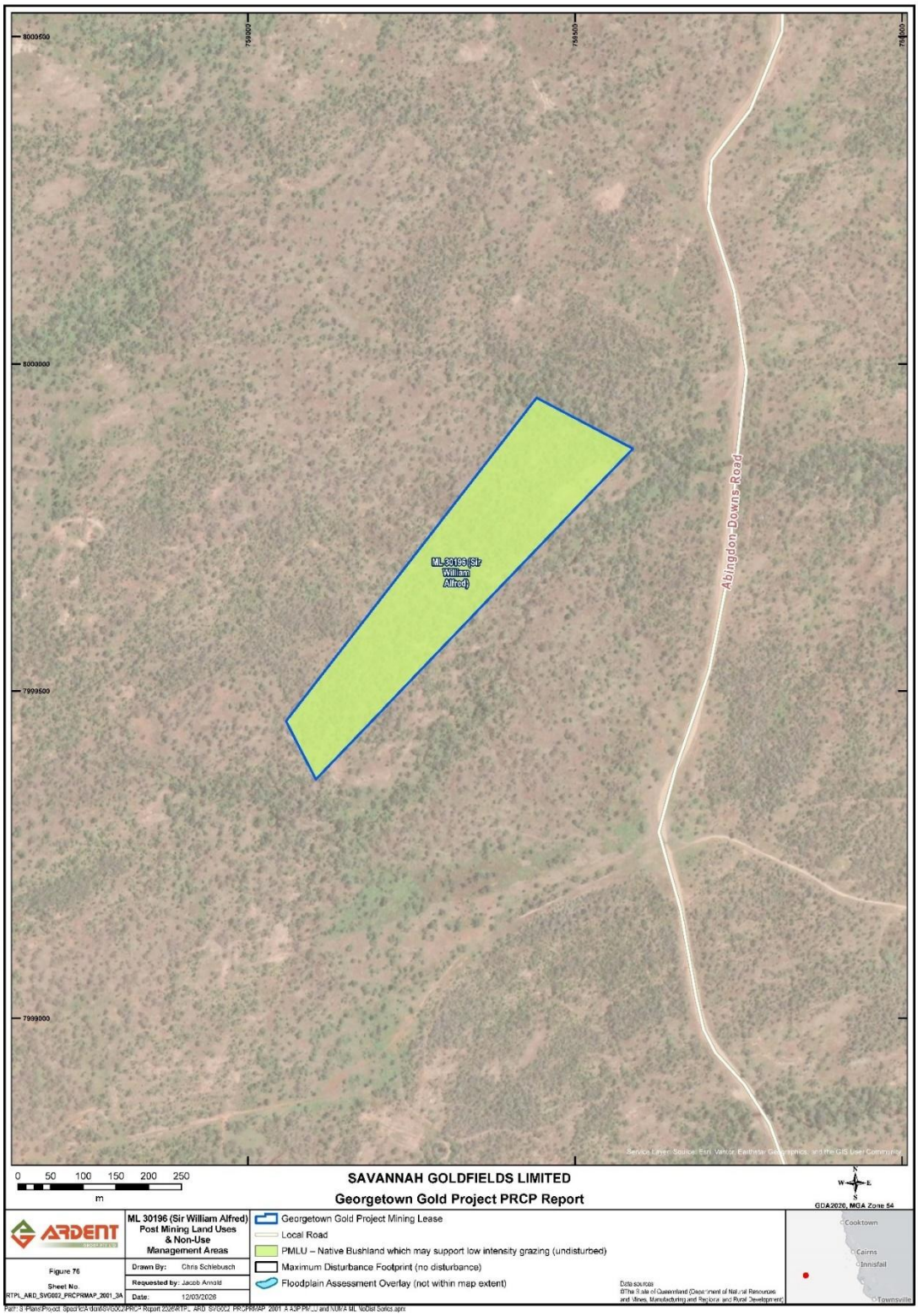


Figure 10 - Final Site Design Abe's (ML30201)

Figure 11 – Reference Map Plant Site (ML3409, ML3540, ML3591)

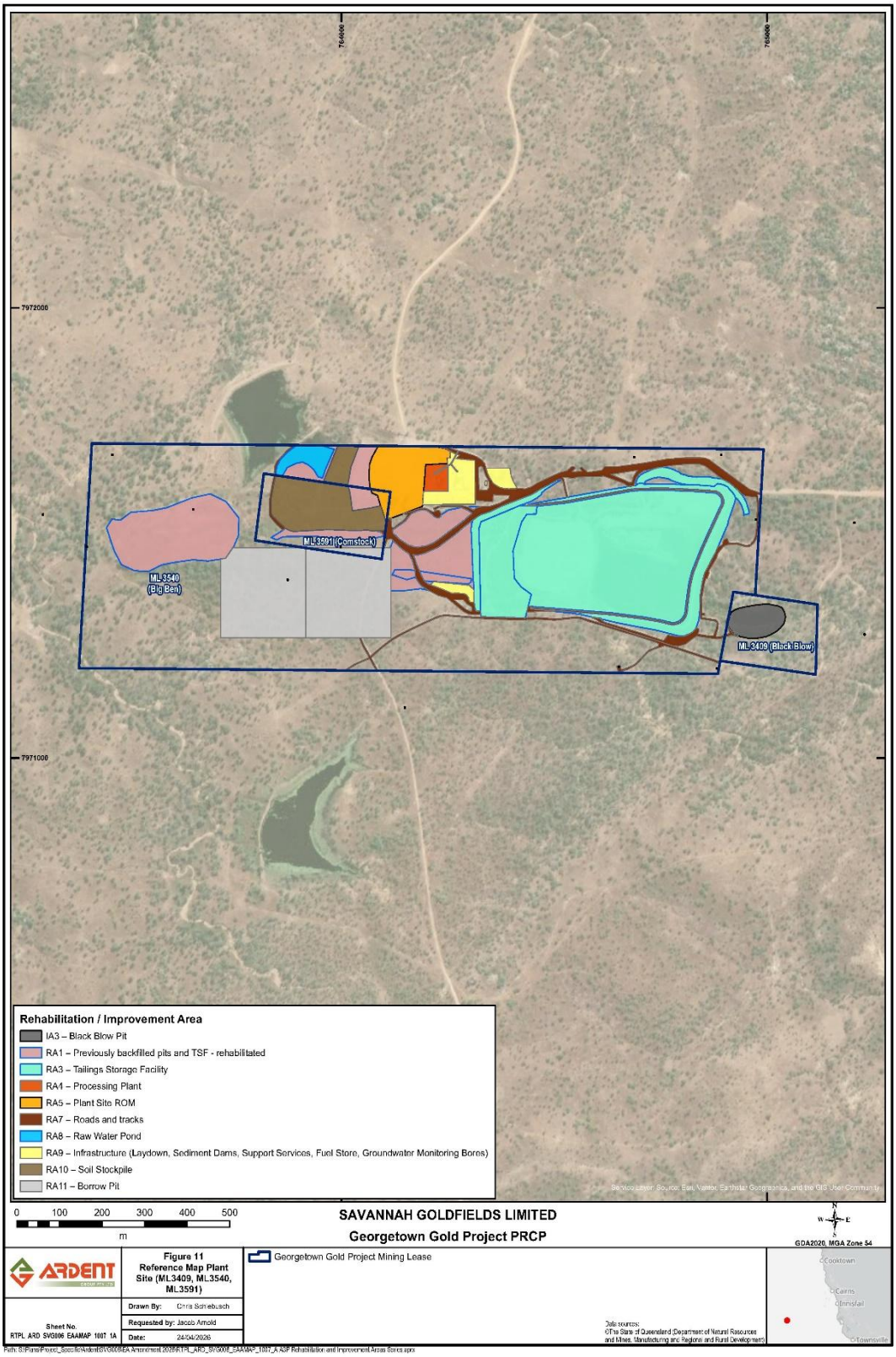


Figure 12 – Reference Map Jubilee Plunger (ML3374)

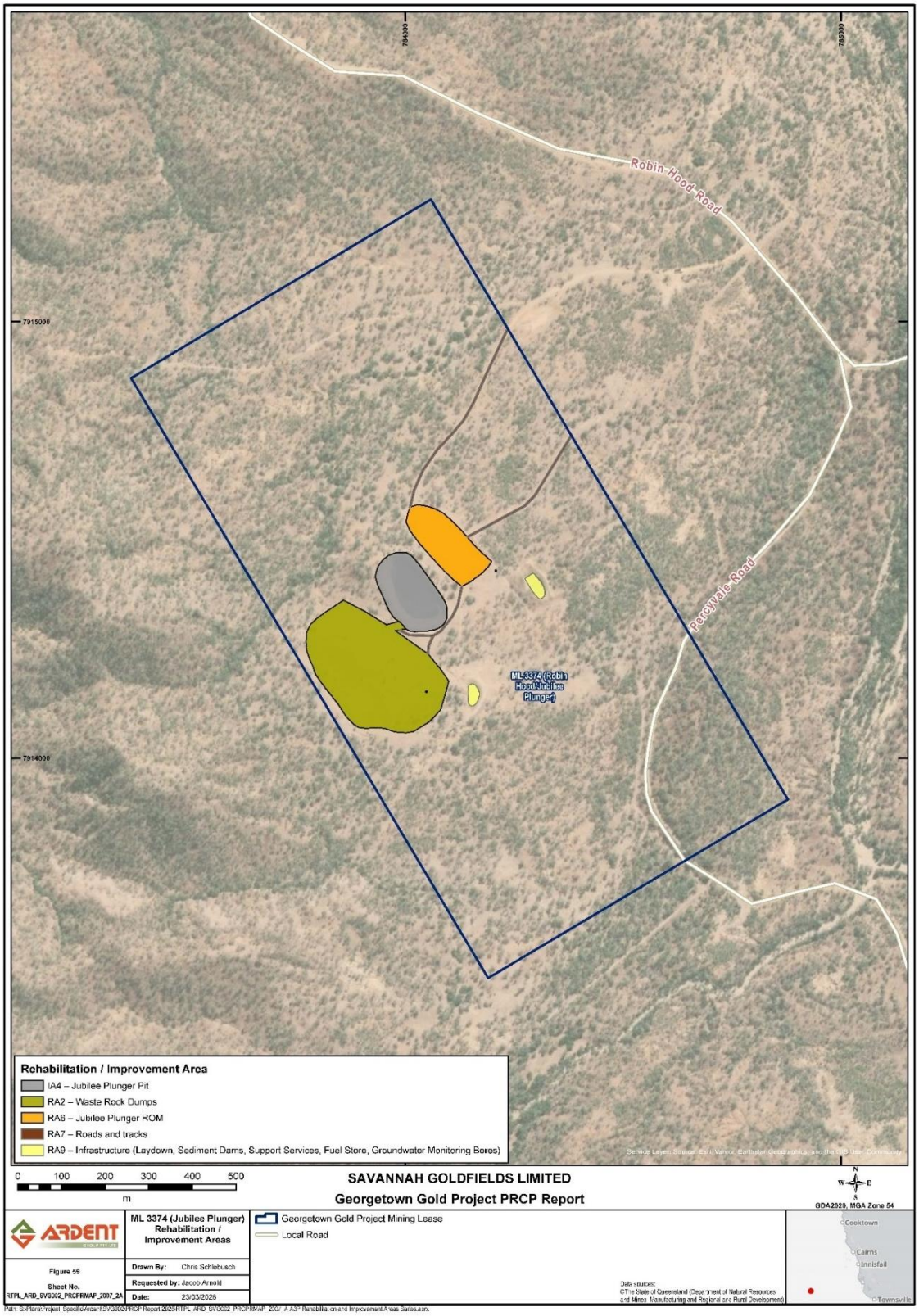


Figure 13 – Reference Map Electric Light (ML3548)

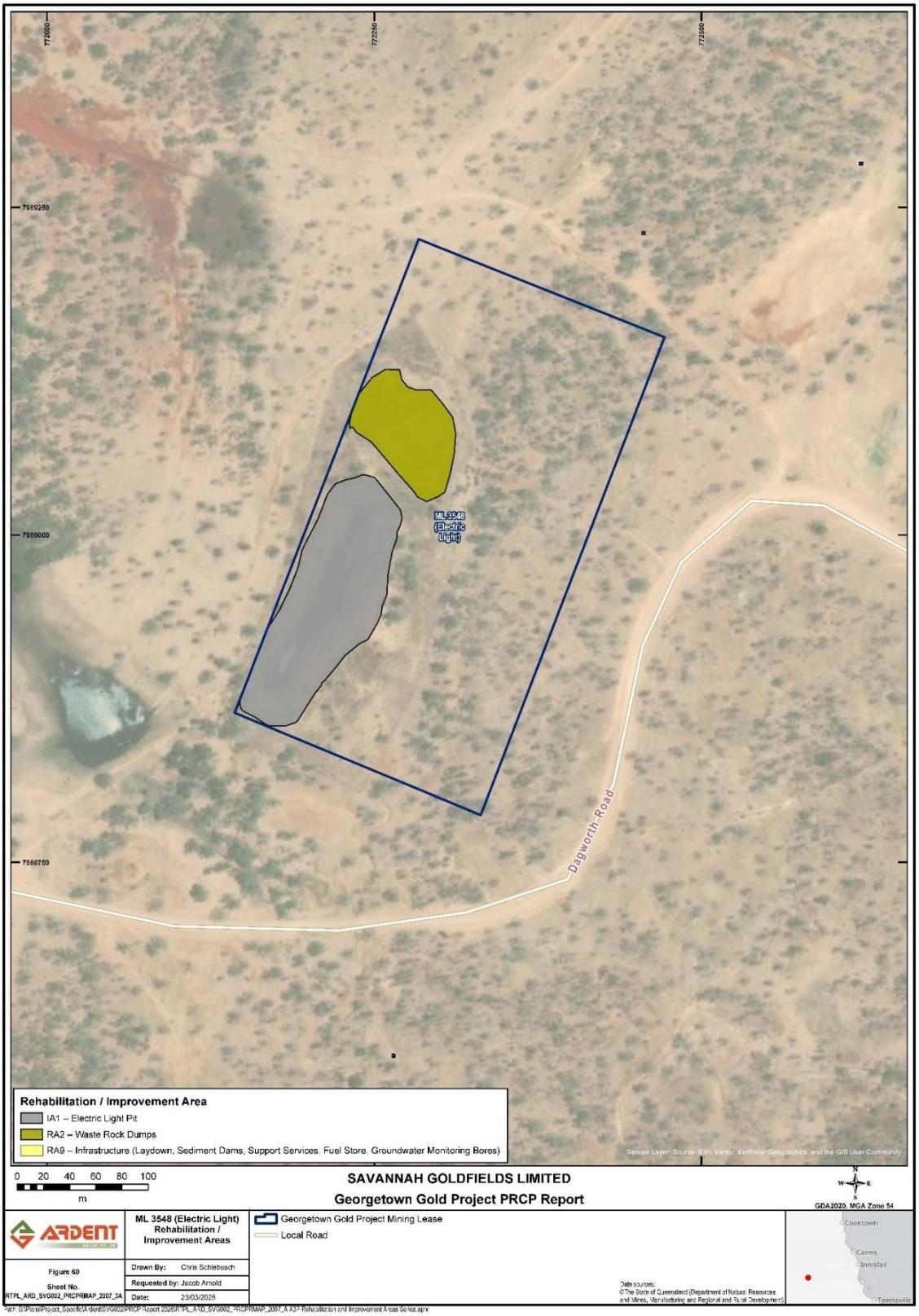


Figure 14 – Reference Map Red Dam (ML30203)

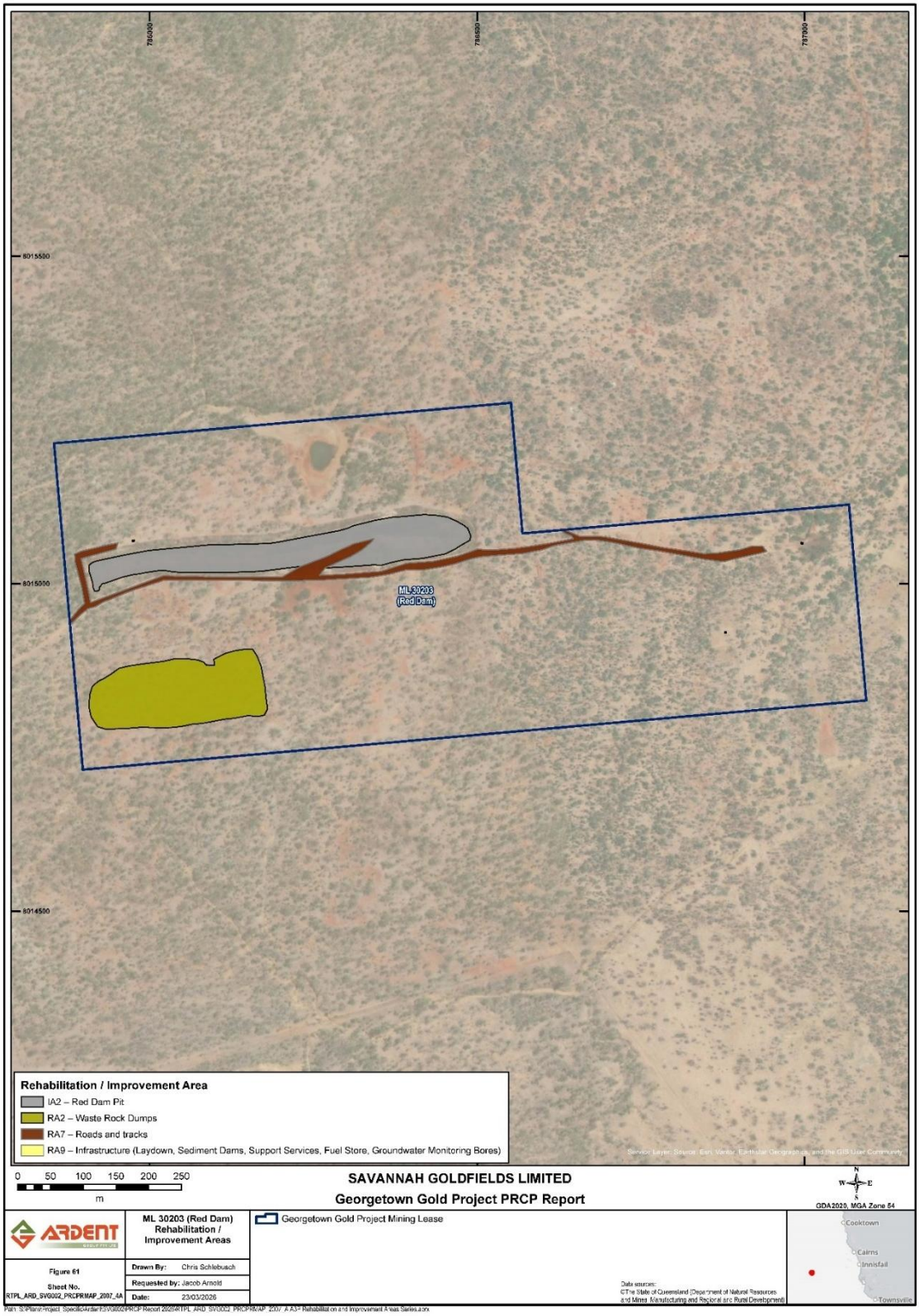


Figure 15 – Reference Map Try No More (ML3358)

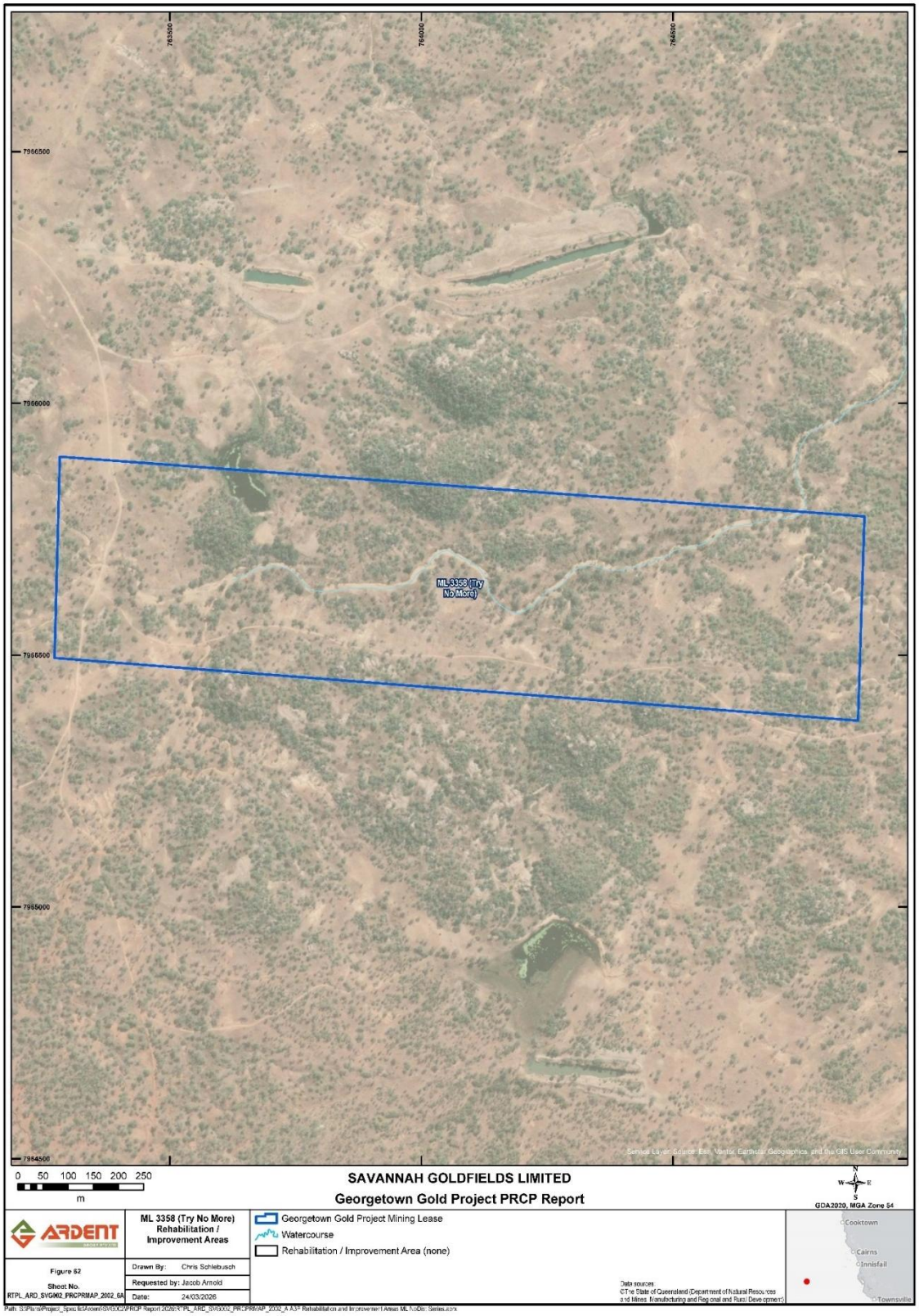


Figure 16 – Reference Map Phily's (ML30192)

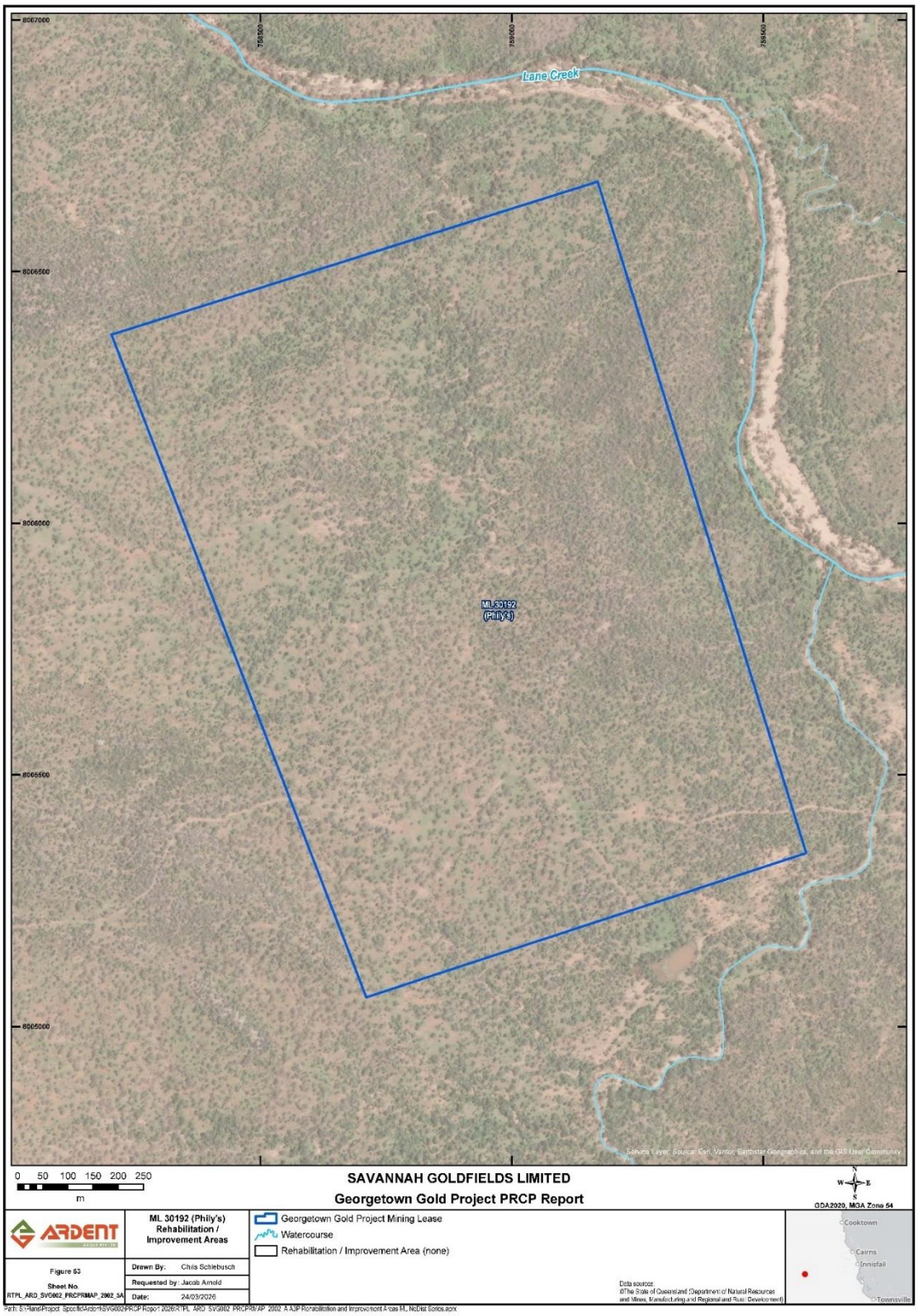


Figure 17 – Reference Map Rhyolite (ML30193)

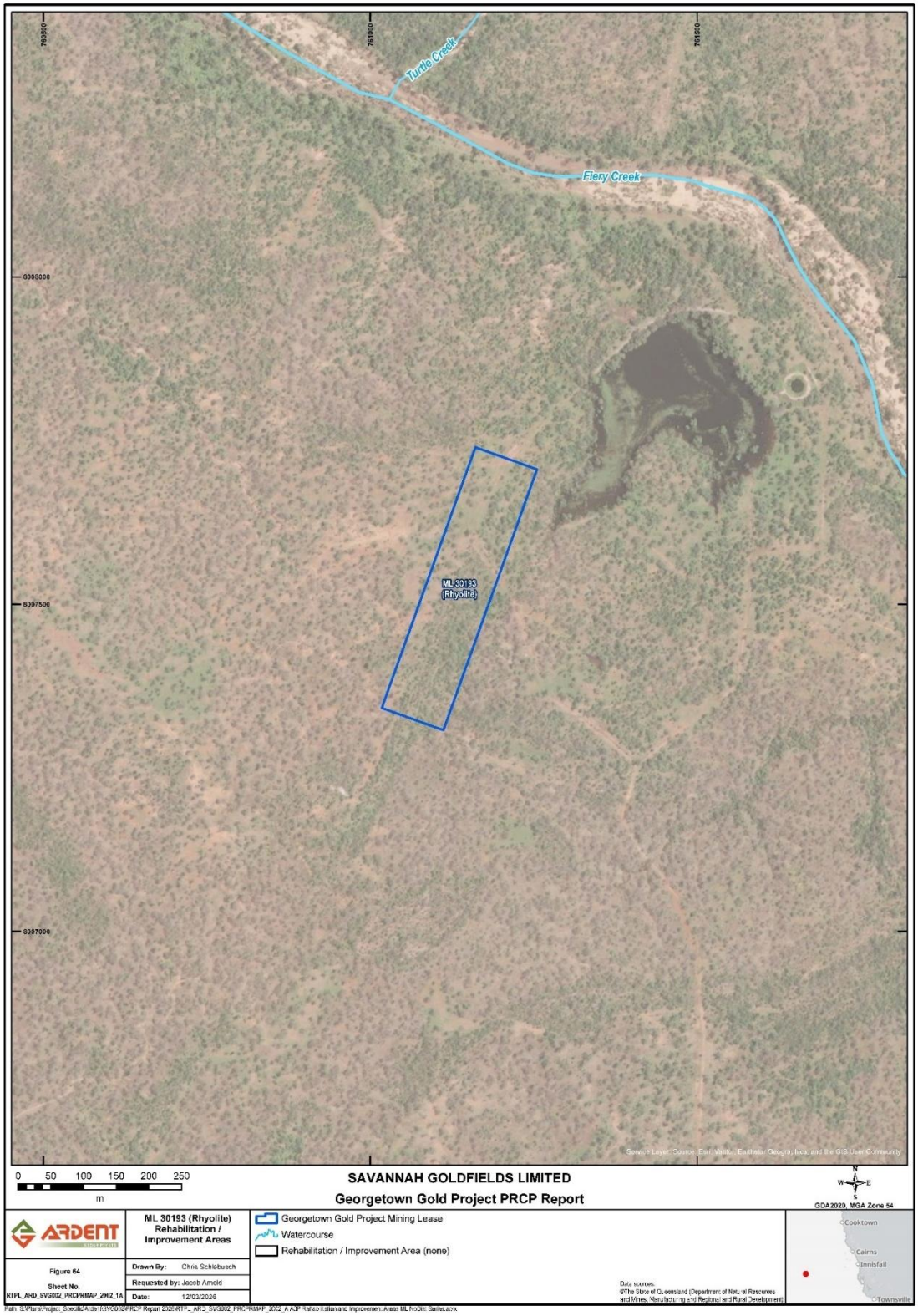


Figure 18 - Reference Map Tom's (ML30195)

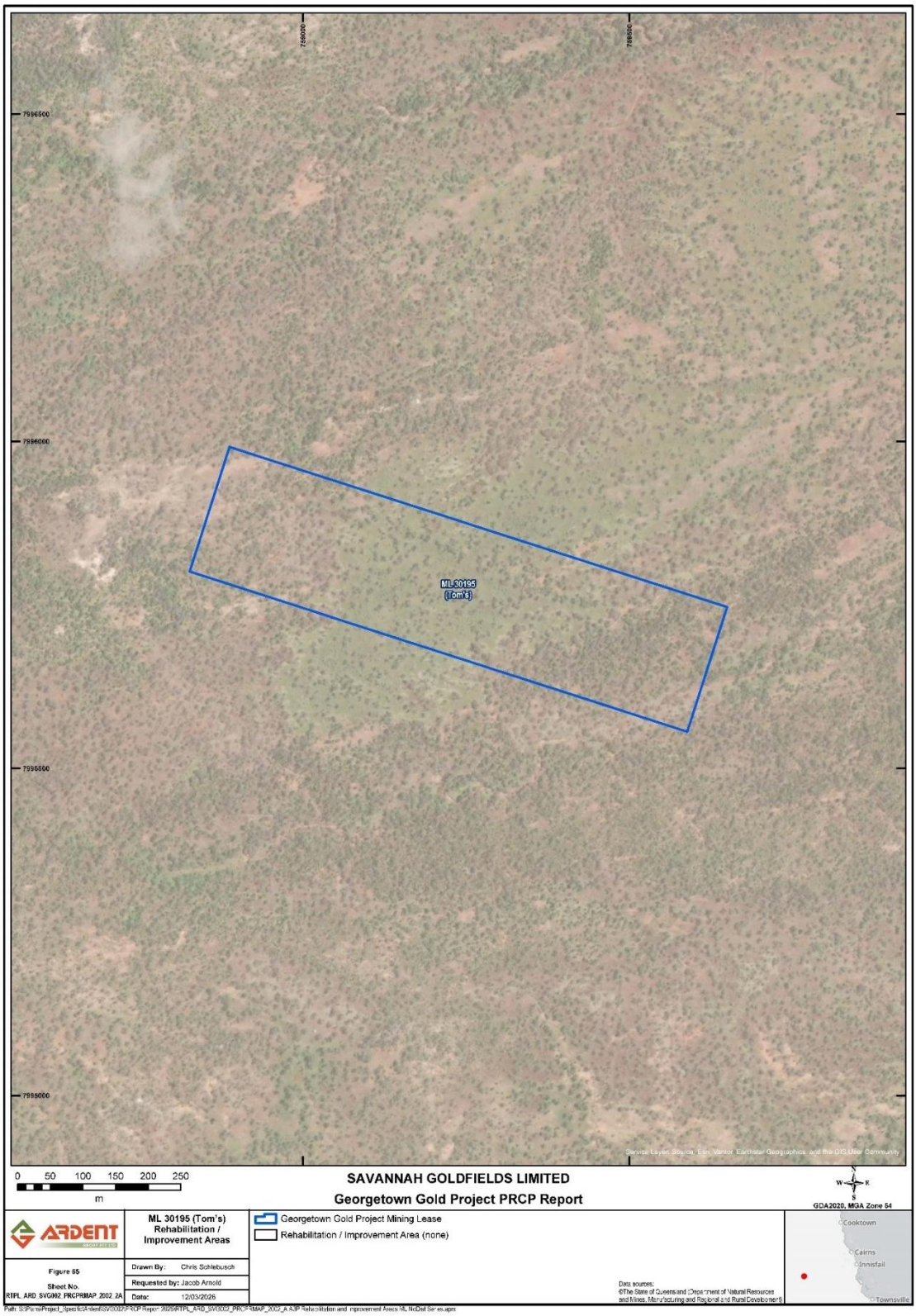


Figure 19 – Reference Map Sir William Afred (ML30196)

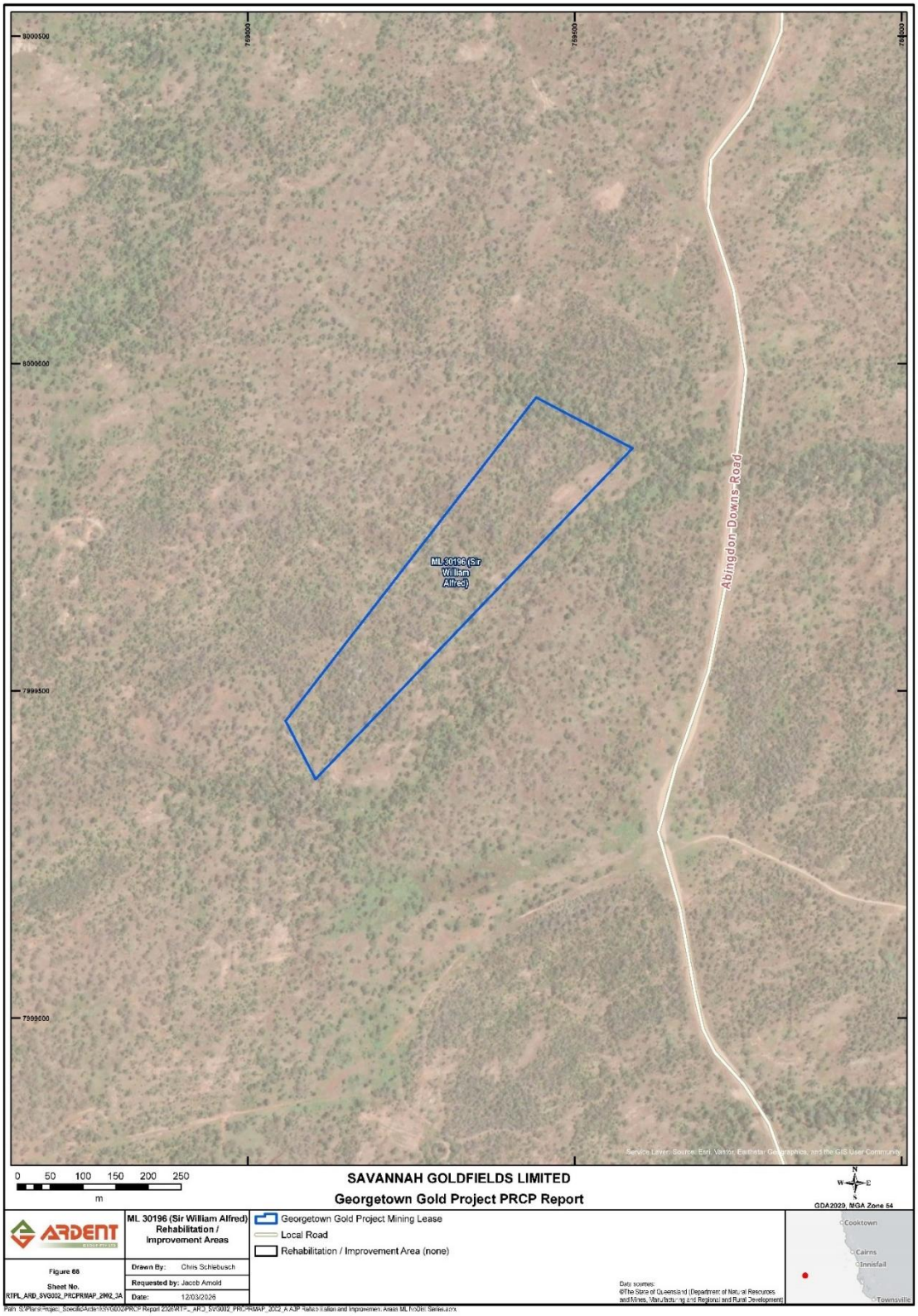


Figure 20 – Reference Map Abe's (ML30201)

4 Section D – Post mining land uses

Milestone reference	Rehabilitation milestone	Rehabilitation Area										
		RA1	**RA2**	**RA3**	**RA4**	**RA5**	**RA6**	**RA7**	**RA8**	**RA9**	**RA10**	**RA11**
		Pit and TSF	WRD	TSF	Processing Plant	ROM	ROM	Roads	Raw water pond	Infrastructure	Soil stockpile	Borrow Pits
		Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Water storage	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing	Native Bushland which may support low intensity grazing
RM1	Infrastructure decommissioning and removal											
RM2	Identification, remediation and removal of contaminated land											
RM3	Landform development and reshaping / reprofiling											
RM4	Installation of a cover system											
RM5	Surface preparation											
RM6	Revegetation											
RM7	Achievement of surface requirements											
RM8	Achievement of post-mining land use to a stable condition											

4.1 (RA1) Rehabilitation area 1

Post-mining land uses (PMLU)						
Rehabilitation area	RA1					
Relevant activities	Previously backfilled pits and TSF – rehabilitated					
Total rehabilitation area size (ha)	7.85					
Commencement of first milestone: RM1	10/12/2035					
PMLU	Native Bushland which may support low intensity grazing					
Date area is available	10/12/2035	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2044
Cumulative area available (ha)	7.85	7.85	7.85	7.85	7.85	7.85
Milestone completed by	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2044	10/12/2054
Milestone Reference	**Cumulative area achieved (ha)**					
RM1	7.85					
RM3		7.85				
RM5			7.85			
RM6				7.85		
RM7					7.85	
RM8						7.85

4.2 (RA2) Rehabilitation area 2

Post-mining land uses (PMLU)							
Rehabilitation area	RA2						
Relevant activities	Waste Rock Dump (WRD)						
Total rehabilitation area size (ha)	9.457						
Commencement of first milestone: RM1	10/12/2036						
PMLU	Native Bushland which may support low intensity grazing						
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	9.457	9.457	9.457	9.457	9.457	9.457	9.457
Milestone completed by	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	9.457						
RM3		9.457					
RM4			9.457				
RM5				9.457			
RM6					9.457		
RM7						9.457	
RM8							9.457

4.3 (RA3) Rehabilitation area 3

Post-mining land uses (PMLU)							
Rehabilitation area			RA3				
Relevant activities			Tailings Storage Facility (TSF)				
Total rehabilitation area size (ha)			16.26				
Commencement of first milestone: RM1			10/12/2036				
PMLU			Native Bushland which may support low intensity grazing				
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	16.26	16.26	16.26	16.26	16.26	16.26	16.26
Milestone completed by	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	16.26						
RM3		16.26					
RM4			16.26				
RM5				16.26			
RM6					16.26		
RM7						16.26	
RM8							16.26

4.4 (RA4) Rehabilitation area 4

Post-mining land uses (PMLU)							
Rehabilitation area			RA4				
Relevant activities			Processing Plant				
Total rehabilitation area size (ha)			0.326				
Commencement of first milestone: RM1			10/12/2036				
PMLU			Native Bushland which may support low intensity grazing				
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	0.326	0.326	0.326	0.326	0.326	0.326	0.326
Milestone completed by	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	0.326						
RM2		0.326					
RM3			0.326				
RM5				0.326			
RM6					0.326		
RM7						0.326	
RM8							0.326

4.5 (RA5) Rehabilitation area 5

Post-mining land uses (PMLU)							
Rehabilitation area			RA5				
Relevant activities			Plant Site ROM				
Total rehabilitation area size (ha)			1.989				
Commencement of first milestone: RM1			10/12/2036				
PMLU			Native Bushland which may support low intensity grazing				
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	1.989	1.989	1.989	1.989	1.989	1.989	1.989
Milestone completed by	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	1.989						
RM2		1.989					
RM3			1.989				
RM5				1.989			
RM6					1.989		
RM7						1.989	
RM8							1.989

4.6 (RA6) Rehabilitation area 6

Post-mining land uses (PMLU)							
Rehabilitation area			RA6				
Relevant activities			Jubilee Plunger ROM				
Total rehabilitation area size (ha)			1.806				
Commencement of first milestone: RM1			10/12/2036				
PMLU			Native Bushland which may support low intensity grazing				
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	1.806	1.806	1.806	1.806	1.806	1.806	1.806
Milestone completed by	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	1.806						
RM2		1.806					
RM3			1.806				
RM5				1.806			
RM6					1.806		
RM7						1.806	
RM8							1.806

4.7 (RA7) Rehabilitation area 7

Post-mining land uses (PMLU)						
Rehabilitation area	RA7					
Relevant activities	Roads and tracks					
Total rehabilitation area size (ha)	5.51					
Commencement of first milestone: RM1	10/12/2039					
PMLU	Native Bushland which may support low intensity grazing					
Date area is available	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2048
Cumulative area available (ha)	5.51	5.51	5.51	5.51	5.51	5.51
Milestone completed by	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2048	10/12/2058
Milestone Reference	**Cumulative area achieved (ha)**					
RM1	5.51					
RM3		5.51				
RM5			5.51			
RM6				5.51		
RM7					5.51	
RM8						5.51

4.8 (RA8) Rehabilitation area 8

Post-mining land uses (PMLU)		
Rehabilitation area	RA8	
Relevant activities	Raw Water Pond	
Total rehabilitation area size (ha)	0.571	
Commencement of first milestone: RM1	10/12/2037	
PMLU	Water Storage	
Date area is available	10/12/2037	10/12/2038
Cumulative area available (ha)	0.571	0.571
Milestone completed by	10/12/2038	10/12/2043
Milestone Reference	**Cumulative area achieved (ha)**	
RM1	0.571	
RM8		0.571

4.9 (RA9) Rehabilitation area 9

Post-mining land uses (PMLU)							
Rehabilitation area	RA9						
Relevant activities	Infrastructure (Laydown, Sediment Dams, Support Services, Fuel Store, Groundwater Monitoring Bores)						
Total rehabilitation area size (ha)	1.511						
Commencement of first milestone: RM1	10/12/2036						
PMLU	Native Bushland which may support low intensity grazing						
Date area is available	10/12/2036	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046
Cumulative area available (ha)	1.511	1.511	1.511	1.511	1.511	1.511	1.511
Milestone completed by	10/12/2037	10/12/2038	10/12/2039	10/12/2040	10/12/2041	10/12/2046	10/12/2056
Milestone Reference	**Cumulative area achieved (ha)**						
RM1	1.511						
RM2		1.511					
RM3			1.511				
RM5				1.511			
RM6					1.511		
RM7						1.511	
RM8							1.511

4.10 (RA10) Rehabilitation area 10

Post-mining land uses (PMLU)						
Rehabilitation area	RA10					
Relevant activities	Soil stockpile					
Total rehabilitation area size (ha)	2.783					
Commencement of first milestone: RM1	10/12/2039					
PMLU	Native Bushland which may support low intensity grazing					
Date area is available	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2048
Cumulative area available (ha)	2.783	2.783	2.783	2.783	2.783	2.783
Milestone completed by	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2048	10/12/2058
Milestone Reference	**Cumulative area achieved (ha)**					
RM1	2.783					
RM3		2.783				
RM5			2.783			
RM6				2.783		
RM7					2.783	
RM8						2.783

4.11 (RA11) Rehabilitation area 11

Post-mining land uses (PMLU)						
Rehabilitation area	RA11					
Relevant activities	Borrow Pits					
Total rehabilitation area size (ha)	7.95					
Commencement of first milestone: RM1	10/12/2039					
PMLU	Native Bushland which may support low intensity grazing					
Date area is available	10/12/2039	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2048
Cumulative area available (ha)	7.95	7.95	7.95	7.95	7.95	7.95
Milestone completed by	10/12/2040	10/12/2041	10/12/2042	10/12/2043	10/12/2048	10/12/2058
Milestone Reference	**Cumulative area achieved (ha)**					
RM1	7.95					
RM3		7.95				
RM5			7.95			
RM6				7.95		
RM7					7.95	
RM8						7.95

4.12 Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure Decommissioning and Removal	1.1 With the exception of any infrastructure to remain as part of the post-mining land use (PMLU), the following are complete: (a) All services disconnected, terminated and removed; (b) All pipelines drained and decommissioned; (c) All buildings and associated infrastructure are demolished and removed; (d) All hardstand, concrete areas and roads (concrete, bitumen, gravel, blue metal, aggregate, etc.) removed; (e) All machinery and equipment not required for rehabilitation works removed from site; (f) All surface water drainage infrastructure removed; (g) All waste not authorised to be disposed of on-site under environmental authority EPML00899813 removed; (h) All drillholes, bores, sediment ponds and sumps decommissioned; and (i) All dams are dewatered and desilted. 1.2 An independent appropriately qualified person (AQP) has certified the achievement of RM1.1.
RM2	Identification, remediation and removal of contaminated land	2.1 Contaminated land investigations (investigation, remediation and validation) completed by an SQP in accordance with appropriate guidance, including but not limited to the National Environment Protection (Assessment of Site Contamination) Measure (ASC NEPM) and National Remediation Framework (NRF). 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 Validation sampling determines that contaminant removal has been successful. 2.5 Suitably Qualified Person certifies that no contamination unsuitable for the PMLU remains or is occurring.
RM3	Landform Development and Reshaping / Re-profiling	3.1 All major earthworks (including reshaping, pushing/trimming) are completed in accordance

Milestone reference	Rehabilitation milestone	Milestone criteria
		with the design specification provided by an AQP. 3.2 Relevant structures developed and/or reshaped, such that they are consistent with the landform closure design report (per PRCP15). 3.3 An “As Constructed Report” prepared which details and justifies all variations to the design, including a certification that such variations will not affect the design performance. 3.4 Constructed landform achieves geotechnical stability with a Factor of Safety (FoS) ≥ 1.5, which includes consideration of flood stress. 3.5 Disturbed slopes align with those stated within the landform closure design report (per PRCP15). 3.6 Erosion and sediment control (ESC) and drainage structures are installed and functioning as per design specifications and certified by an AQP. 3.7 An independent AQP has surveyed the final landform and certified that RM3.1-3.6 have been achieved. **Tailings Storage Facility (TSF) (RA3) in addition to milestone criteria RM3.1-3.7 above:** 3.8 TSF embankments and surfaces have been reshaped and capped in accordance with the landform closure design report (per PRCP15). 3.9 Final landform achieves stability with no ponding, no water retention function, and erosion-resistant cover materials in place.
RM4	Installation of a cover system	4.1 Landform design (per PRCP15 and detailed in PRCP16) has been reviewed and a detailed cover system design completed. 4.2 The cover system has been installed as per design (per PRCP15). 4.3 All potentially acid forming (PAF) material is located within an AQP designed and engineered cell, fully encapsulated in compacted non-acid forming (NAF) material. 4.4 Capping layer surface is water shedding and does not display surface ponding. 4.5 The cover system displays erosional stability, is geotechnically stable and supports the PMLU. 4.6 An independent AQP has certified that RM4.1-4.5 have been achieved. **Tailings Storage Facility (TSF) (RA3) in addition to milestone criteria RM4.1-4.6 above:** 4.7 Construction of the cover system, erosion protection and surface stabilisation works has

Milestone reference	Rehabilitation milestone	Milestone criteria
		been completed and independently certified.
RM5	Surface Preparation	5.1 Assessment of growth media characteristics and the development of an amelioration and physical treatment plan is completed by an AQP. 5.2 Ameliorant and physical treatments such as fertilisers, lime, gypsum and/or organic matter, are applied as identified in criteria RM5.1. 5.3 Topsoil/growth media placement of a minimum 200mm. 5.4 Deep ripping of compacted surfaces at least 300mm (or refusal) into soil/subsoil profile along contour of slopes. 5.5 Following amelioration as per criteria RM5.1 and RM5.2, representative soil testing of growth media is completed and an AQP certifies that the soil meets appropriate pH, EC, ESP and Emerson aggregate class for the proposed PMLU. 5.6 Growth media and suitability is assessed and documented by an AQP as suitable for the PMLU and target vegetation establishment. 5.7 The surface and groundwater monitoring network are installed, and monitoring is underway (one year of sampling undertaken). 5.8 Independent AQP has certified the plan in RM5.1 and achievement of RM5.2-5.7.
RM6	Revegetation	6.1 Seeding has been completed using recommended seeding mix in **Appendix 1 – Species List and Seeding Rates** at a rate of 1-2kg/ha for tree species and 7-9kg/ha for grass/shrub/forb species, or as otherwise specified by the AQP. 6.2 Species chosen reflect Regional Ecosystems (REs) 9.12.6a and 9.11.23a. 6.3 Non-native seeds must not be used for the revegetation (except when sterile cover crops are used). 6.4 Timing of seeding aligned with wet weather to coincide with elevated levels of soil moisture. 6.5 Stock exclusion fencing installed around all areas that have been seeded. 6.6 Independent AQP certifies achievement of RM6.1-6.5.
RM7	Achievement of surface requirements	7.1 Species used in revegetation remain present and show evidence of natural recruitment. Evidence of flora recruitment from rehabilitation monitoring data. 7.2 Weed presence is less than 5% of total vegetative cover, or equal to or less than the average of representative analogue site/s in **Appendix 3 – Vegetation Analogue Sites**, whichever is

Milestone reference	Rehabilitation milestone	Milestone criteria
		lower. 7.3 Total vegetative groundcover ≥ 60%, or equal to or more than the average of representative analogue site/s in **Appendix 3 – Vegetation Analogue Sites,** whichever is higher. 7.4 Total groundcover (combination of vegetative cover, other organic material (i.e., sticks, leaf litter) and inorganic material (i.e., rocks) ≥ 70%, or equal to or more than the average of representative analogue site/s in **Appendix 3 – Vegetation Analogue Sites,** whichever is higher. 7.5 No deep-rooted trees or grazing present in RA1, RA2 or RA3. 7.6 Corrective actions arising from the routine inspections program have been undertaken and recorded (per PRCP8). 7.7 Surface water runoff has been collected across representative areas of rehabilitation when surface flows occur, and it is safe to do so. 7.8 Surface water runoff complies with **Appendix 5 – Surface water quality limits.** 7.9 The growth media (topsoil and subsoil) physical, chemical and biological properties do not limit vegetation cover performance or restrict the potential effective depth of rooting. 7.10 A BioCondition assessment is completed by an AQP in accordance with the latest version of the Queensland Herbarium's 'BioCondition Assessment Manual' and determines that the PMLU has reached a BioCondition score of 20/60 as per **Appendix 2 – BioCondition Benchmark Criteria.** 7.11 The BioCondition assessment completed under RM7.10 complies with the PRCP Benchmark for the PMLU, as per **Appendix 2 – BioCondition Benchmark Criteria.** **RA1, RA2 and RA3 (in addition to milestone criteria 7.1-7.11 above):** 7.12 Monitoring data has been collected per final landform design report (per PRCP16). 7.13 Monitoring data and technical assessments indicate that RA1, RA2 and RA3 are on a trajectory to achieve a stable condition. 7.14 Independent AQP certifies achievement of RM7.1-7.13.
RM8	Achievement of post-mining land use to a stable condition	8.1 A BioCondition Assessment is completed in accordance with the Queensland Herbarium's 'BioCondition Assessment Manual' and determines that the PMLU has reached a BioCondition score of 40/60 as per **Appendix 2 – BioCondition Benchmark Criteria.** 8.2 Total vegetative groundcover ≥ 70%, or equal to or more than the average of representative

Milestone reference	Rehabilitation milestone	Milestone criteria
		analogue site/s in **Appendix 3 – Vegetation Analogue Sites,** whichever is higher. 8.3 Weed presence is a maximum of 5% of total vegetative cover as confirmed by an AQP in annual monitoring. 8.4 Restricted invasive plants (as defined in the *Biosecurity Act 2014*) comprise ≤ 5% of vegetation groundcover. 8.5 No evidence of erosion classified as 'moderate' or 'severe' as defined by **Appendix 4 – Erosion classification framework.** 8.6 Any erosion present will not compromise the achievement of a PMLU to a stable condition. 8.7 No evidence of scouring, overtopping, sedimentation or destabilisation in or associated with erosion and sediment control and engineered drainage structures. 8.8 Sediment and erosion control structures removed as certified by an AQP and rehabilitated consistent with the PMLU. 8.9 Stock exclusion fencing removed from around revegetation areas. 8.10 Surface water runoff complies with **Appendix 5 – Surface water quality limits.** 8.11 Surface water quality results monitored monthly during flow, but not limited to, downstream at the locations listed in **Appendix 6 – Surface water monitoring locations,** must not exceed the limits in **Appendix 5 – Surface water quality limits,** for a minimum of 5 consecutive years. 8.12 If the surface water quality exceeds the criteria RM8.11, the applicable upstream site must be compared to the downstream site result; and the quality result measured at a downstream site must be equal to or less than the quality result measured at the applicable upstream site[1]. 8.13 For a minimum of 5 consecutive years groundwater quality, must be monitored quarterly, but not limited to, locations specified in **Appendix 7 – Groundwater monitoring locations,** for all quality characteristics listed in **Appendix 8 – Groundwater quality limits.** 8.14 Groundwater quality results must not exceed the limits specified in **Appendix 8 – Groundwater quality limits,** for 3 consecutive results. 8.15 Groundwater level is monitored quarterly and for a minimum of 5 consecutive years. 8.16 Seepage from the TSF complies with the limits specified in **Appendix 8 – Groundwater quality limits**, when measured quarterly for a minimum of 3 consecutive years, or until

Milestone reference	Rehabilitation milestone	Milestone criteria
		volume within collection sumps is negligible for at least 3 consecutive monitoring events. 8.17 There is no evidence indicating an adverse change to the contaminated land status has occurred post the completion of RM2. **Water Storage PMLU (RA8)** 8.18 All water storages are safe and stable. 8.19 Dams are safe for native animals and stock access and have vegetated outer banks. 8.20 Water storages monitoring quarterly must not exceed **Appendix 5 – Surface water quality limits,** for a minimum of 5 consecutive years. 8.21 Independent AQP certifies achievement of RM8.1-8.20.

[1]For pH, the quality result measured at the downstream location must be within the prescribed range. However, where pH at the downstream location is greater-than (>) the highest limit in the range, the pH at the applicable upstream location must be greater-than or equal-to (≥) the downstream location. Conversely, where pH at the downstream location is less than (<) the lowest limit in the range, the upstream pH at the applicable upstream location must be less-than or equal-to (≤) the downstream location.

5 Section E – Non-use management areas

5.1 (IA1) Improvement area 1

Non-use management area (NUMA)			
Improvement area	IA1		
Relevant activities	Electric Light Pit		
Total size (ha)	1.198		
Commencement of first milestone: MM1	10/12/2036		
NUMA	Residual Void		
Date area is available	10/12/2036	10/12/2038	10/12/2039
Cumulative area available (ha)	1.198	1.198	1.198
Milestone completed by	10/12/2038	10/12/2039	10/12/2044
Milestone Reference	**Cumulative area achieved (ha)**		
MM1	1.198		
MM2		1.198	
MM3			1.198

5.2 (IA2) Improvement area 2

Non-use management area (NUMA)			
Improvement area	IA2		
Relevant activities	Red Dam Pit		
Total size (ha)	2.598		
Commencement of first milestone: MM1	10/12/2035		
NUMA	Residual Void		
Date area is available	10/12/2035	10/12/2037	10/12/2038
Cumulative area available (ha)	2.598	2.598	2.598
Milestone completed by	10/12/2037	10/12/2038	10/12/2043
Milestone Reference	**Cumulative area achieved (ha)**		
MM1	2.598		
MM2		2.598	
MM3			2.598

5.3 (IA3) Improvement area 3

Non-use management area (NUMA)			
Improvement area	IA3		
Relevant activities	Black Blow Pit		
Total size (ha)	0.817		
Commencement of first milestone: MM1	10/12/2036		
NUMA	Residual Void		
Date area is available	10/12/2036	10/12/2038	10/12/2039
Cumulative area available (ha)	0.817	0.817	0.817
Milestone completed by	10/12/2038	10/12/2039	10/12/2044
Milestone Reference	**Cumulative area achieved (ha)**		
MM1	0.817		
MM2		0.817	
MM3			0.817

5.4 (IA4) Improvement area 4

Non-use management area (NUMA)			
Improvement area	IA4		
Relevant activities	Jubilee Plunger Pit		
Total size (ha)	1.997		
Commencement of first milestone: MM1	10/12/2036		
NUMA	Residual Void		
Date area is available	10/12/2036	10/12/2038	10/12/2039
Cumulative area available (ha)	1.997	1.997	1.997
Milestone completed by	10/12/2038	10/12/2039	10/12/2044
Milestone Reference	**Cumulative area achieved (ha)**		
MM1	1.997		
MM2		1.997	
MM3			1.997

5.5 Improvement area milestones

Milestone reference	Management milestone	Milestone criteria
MM1	Achievement of structural stability	1.1 The pit walls achieve a FoS ≥ 1.5 within the NUMA extents. 1.2 Pit wall landforms must: (a) Prevent surface or seepage flow of floodwater into the void; (b) Be geotechnically stable; (c) Not be constructed with dispersive material. 1.3 The final design for pit wall landforms must be completed by an AQP based on the latest flood modelling and materials data prior to construction. 1.4 All flood protection landforms and flood protection measures designed and constructed consistent with the findings of PRCP19. 1.5 The location of the voids and associated flood protection landforms does not cause instability or degradation to the land outside the NUMA. 1.6 Floodwater ingress and water levels in the residual voids will not cause environmental harm and should be consistent with the findings of PRCP19 as certified under PRCP20. 1.7 Residual voids (Electric Light Pit, Red Dam Pit, Black Blow Pit and Jubilee Plunger Pit) must not overtop. 1.8 Independent AQP certifies achievement of MM1.1-1.7.
MM2	Achievement of surface requirements	2.1 Safety bund constructed as recommended by an AQP. 2.2 The safety bund must be constructed from non-weathered, non-dispersive rockfill. 2.3 Fencing erected, where required to prevent access to the residual void, around the perimeter of the safety bund. 2.4 Safety signs erected at 25m intervals along the fence clearly warning of a safety risk and prohibiting public access. 2.5 Independent AQP certifies achievement of MM2.1-2.4.
MM3	Achievement of sufficient improvement	3.1 The final landform has been constructed in accordance with the final design (per PRCP15). 3.2 The residual void is safe to humans and livestock. 3.3 The water level and quality in the void do not and will not cause environmental harm to the receiving environment, as demonstrated by groundwater level, surface water and groundwater quality monitoring and modelling. 3.4 An AQP demonstrates with water quality, water level and modelling data, that the residual voids act as groundwater sinks post-closure.

Milestone reference	Management milestone	Milestone criteria
		3.5 Voids retain flood immunity, supported by flood modelling re-run at end of life and calibrated against the final landform. 3.6 Erosion of the landform within the NUMA area will not negatively impact on the stability of any adjacent rehabilitation areas, or their ability to sustain their PMLU. 3.7 Monitoring and maintenance of exclusion fences and bunds to be carried out to ensure they remain effective. 3.8 Flood modelling must be revised after extreme events (>1% AEP) or significant landform changes. 3.9 Monitoring post-wet season or ≥ 0.1% AEP rainfall events must be undertaken to assess erosion, overtopping and bund condition. 3.10 Independent AQP certifies achievement of MM3.1-3.9.

6 Section F - Appendices

Appendix 1 – Species List and Seeding Rates

	Scientific Name	Common Name
Grasses	*Aristida spp.*	-
	Heteropogon contortus	Black speargrass
	Schizachyrium spp.	Firegrass
	Enneapogon platyphyllus	
	Waltheria indica	
	Inigofera linnae	
	Indigofera liniifolia	
Shrubs	*Dolichandrone alternifolia*	Lemonwood
	Gardenia vilhelmii	Breadfruit
	Carissa lanceolata	Currantbush
	Lysiphyllum spp.	-
	Acacia leptostachya	Slender wattle
	Denhamia cunninghamii	Yellowberry bush
	Petalostigma banksii	Smooth-leaved quinine
	Grevillea striata	
	Melaleuca sp.	
Trees	*Eucalyptus microneura*	Georgetown box
	Corymbia pocillum	-
	Erythroxylum ellipticum	Kerosene wood
	Corymbia grandiflora	Red bloodwood
	Erythrophleum chlorostachys	Cooktown ironwood
	Acacia shirleyi	Lancewood

	Scientific Name	Common Name
	Cochlospermum gillivraei	Kapok
	Terminalia aridicola	Arid peach
	Atalaya hemiglauca	

Appendix 2 – BioCondition Benchmark Criteria

BioCondition Attribute	Weighting	Reference Benchmark – 9.11.23a	BioCondition Score Indicative benchmark for 5 years (RM7)	BioCondition Score Indicative benchmark for 15 years (RM8)
Non-native plant cover (%)	10	21% - Average of representative analogue site/s in Appendix 3	3 (≥25 – 50% of vegetation cover are non-native plants)	5 (≥5 – 25% of vegetation cover are non-native plants)[3]
Dominant canopy species present as regeneration (%)	5	100%	3 (≥20 – 75% of dominant canopy[1] species present as regeneration).	5 (≥75% of dominant canopy[1] species present as regeneration).
Tree height (m)	5	9.6m - Average of representative analogue site/s in Appendix 3	3 (≥25% to 70% of benchmark height)	5 (≥70% of benchmark height)
Native tree species richness	5	6 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Native shrub species richness	5	3 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Grass species richness*	5	7 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Forbs and other species richness*	5	8 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Native tree canopy cover (%)	5	15% - Average of representative analogue site/s in Appendix 3	2 (≥10% and <50% of benchmark tree cover)	5 (≥50% or ≤200% of benchmark tree cover)[2]
Native shrub canopy cover (%)	5	3% - Average of representative analogue site/s in Appendix 3	3 (>/= 10 to <50% or >200% of benchmark shrub cover)	5 (≥50% or ≤200% of benchmark shrub cover)
Native perennial grass cover (%)	5	14% - Average of representative analogue site/s in Appendix 3	1 (≥10 to 50% of benchmark native perennial (or preferred and intermediate) grass cover)	3 (≥50 – 90% of benchmark native perennial (or preferred and intermediate) grass cover)[4]

BioCondition Attribute	Weighting	Reference Benchmark – 9.11.23a	BioCondition Score Indicative benchmark for 5 years (RM7)	BioCondition Score Indicative benchmark for 15 years (RM8)
Organic litter ground cover (%)	5	18% - Average of representative analogue site/s in Appendix 3	3 (≥ 10 to <50% or >200% of benchmark organic litter)	5 (≥50% or ≤200% of benchmark organic litter)
Overall score required	**60**		**20/60**	**40/60**

BioCondition Attribute	Weighting	Reference Benchmark – 9.12.6a	BioCondition Score Indicative benchmark for 5 years (RM7)	BioCondition Score Indicative benchmark for 15 years (RM8)
Non-native plant cover (%)	10	21% - Average of representative analogue site/s in Appendix 3	3 (≥25 – 50% of vegetation cover are non-native plants)	5 (≥5 – 25% of vegetation cover are non-native plants)[3]
Dominant canopy species present as regeneration (%)	5	100%	3 (≥20 – 75% of dominant canopy[1] species present as regeneration).	5 (≥75% of dominant canopy[1] species present as regeneration).
Tree height (m)	5	10m - Average of representative analogue site/s in Appendix 3	3 (≥25% to 70% of benchmark height)	5 (≥70% of benchmark height)
Native tree species richness	5	6 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Native shrub species richness	5	3 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Grass species richness*	5	7 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Forbs and other species richness*	5	8 species - Average of representative analogue site/s in Appendix 3	2.5 (≥25% to 90% of benchmark number of species)	5 (≥90% of benchmark number of species)
Native tree canopy cover (%)	5	15% - Average of representative analogue site/s in Appendix 3	2 (≥10% and <50% of benchmark tree cover)	5 (≥50% or ≤200% of benchmark tree cover)[2]
Native shrub canopy cover (%)	5	7% - Average of representative analogue site/s in Appendix 3	3 (>/= 10 to <50% or >200% of benchmark shrub cover)	5 (≥50% or ≤200% of benchmark shrub cover)
Native perennial grass cover (%)	5	15% - Average of representative analogue site/s in Appendix 3	1 (≥10 to 50% of benchmark native perennial (or preferred and intermediate) grass cover)	3 (≥50 – 90% of benchmark native perennial (or preferred and intermediate) grass cover)[4]
Organic litter ground cover (%)	5	32% - Average of representative analogue site/s in Appendix 3	3 (≥ 10 to <50% or >200% of benchmark	5 (≥50% or ≤200% of benchmark organic

BioCondition Attribute	Weighting	Reference Benchmark – 9.12.6a	BioCondition Score Indicative benchmark for 5 years (RM7)	BioCondition Score Indicative benchmark for 15 years (RM8)
			organic litter)	litter)
Overall score required	**60**		**20/60**	**40/60**

Appendix 3 – Vegetation Analogue Sites

Site ID	Latitude (GDA2020)	Longitude (GDA2020)	Regional Ecosystem	ML	Site Name
GTREF01	-18.327494	143.494459	9.12.6a	ML3409	Comstock
GTREF02	-18.331317	143.493382	9.12.6a	ML3540	Big Ben
GTREF03	-18.331919	143.500705	9.12.6a	ML3591	Black Blow
EL01REF	-18.180686	143.572064	9.11.23a	ML 3548	Electric Light
EL02REF	-18.161416	143.57656	9.12.6a	ML 3548	Electric Light
RD1REF	-17.934321	143.705873	9.11.23a	ML 30203	Red Dam
JP01	-18.845483	143.697796	9.12.6a	ML 3374	Jubilee Plunger
JP02	-18.847614	143.695995	9.12.11	ML 3374	Jubilee Plunger
JP03	-18.839327	143.694634	9.12.11	ML 3374	Jubilee Plunger

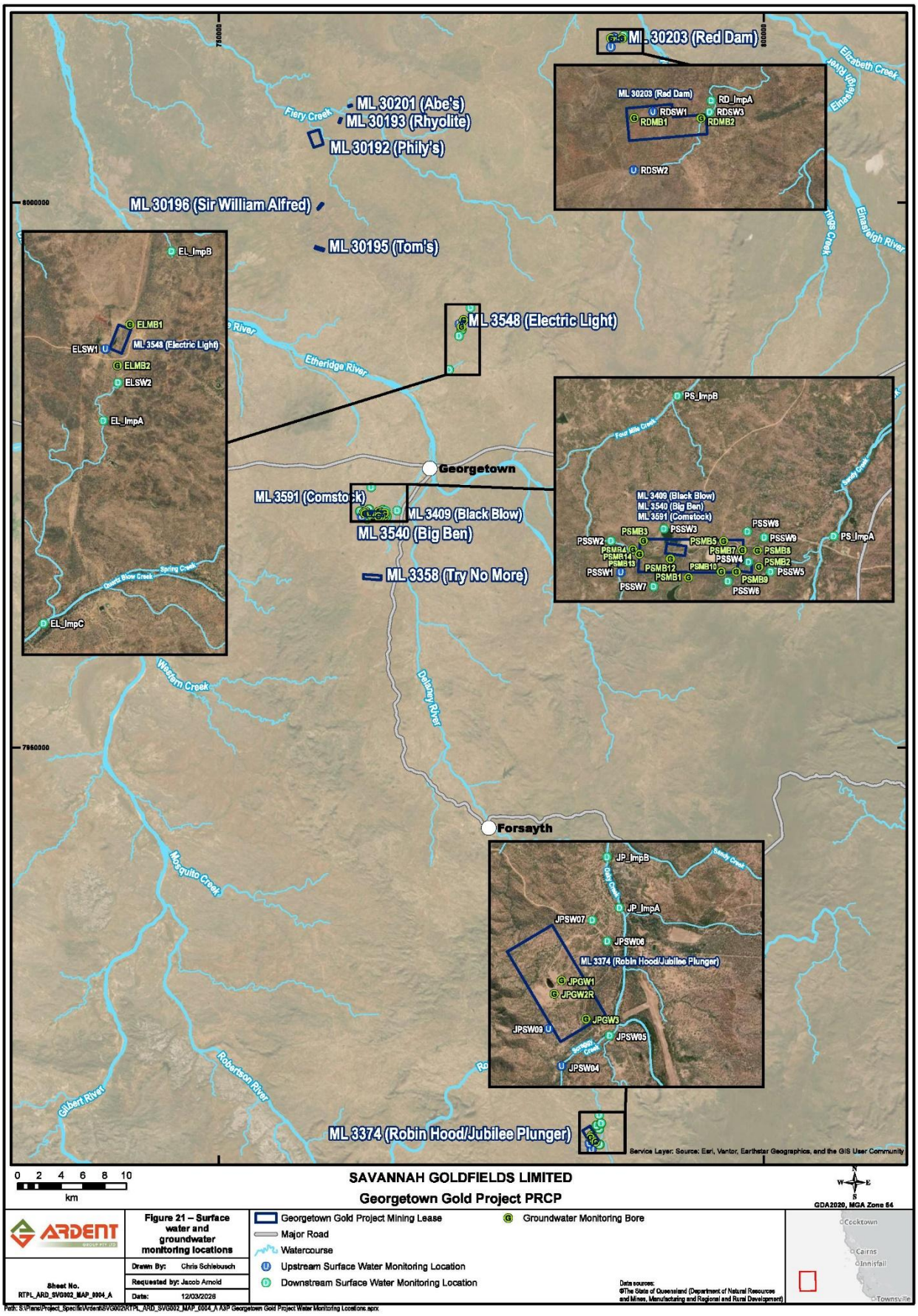
Appendix 4 – Erosion Classification Framework

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*	<15 rills/100m	15-30 rills/100m	>30 rills/100m
Gully erosion	Absent	Absent	Present
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Erosion form definitions: NCST (2024) *Australian Soil and Land Survey Field Handbook, 4th edition*. The National Committee on Soil and Terrain. CSIRO Publishing, Collingwood, Australia.

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

Figure 21 – Surface water and groundwater monitoring locations



Appendix 5 – Surface Water Quality Limits

Quality Characteristic	Limit	Comment on Limit
pH (pH Unit)	6.5-8.0	Site-specific
Electrical Conductivity (µS/cm)	150	Site-specific
Turbidity (NTU)	60	Site-specific
Sulfate (mg/L)	5	Site-specific
Aluminium (µg/L)	55	ANZG 2018
Antimony (µg/L)	1	Site-specific
Arsenic (µg/L)	13	ANZG 2018
Bismuth (µg/L)	1	Site-specific
Cadmium (µg/L)	0.2	ANZG 2018
Cobalt (µg/L)	1.4	ANZG 2018
Copper (µg/L)	1.4	ANZG 2018
Lead (µg/L)	3.4	ANZG 2018
Mercury (µg/L)	0.6	ANZG 2018
Nickel (µg/L)	11	ANZG 2018
Selenium (µg/L)	5	ANZG 2018
Silver (µg/L)	0.05	ANZG 2018
Tin (µg/L)	3	ANZG 2018
Zinc (µg/L)	8	ANZG 2018
Cyanide (Free)	7	Cyanide Management guideline October 2008
Cyanide (WAD)	For interpretation purposes	
Major ions (mg/L) - Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes	

Quality Characteristic	Limit	Comment on Limit
Hardness (mg/L)	For interpretation purposes	

Notes:

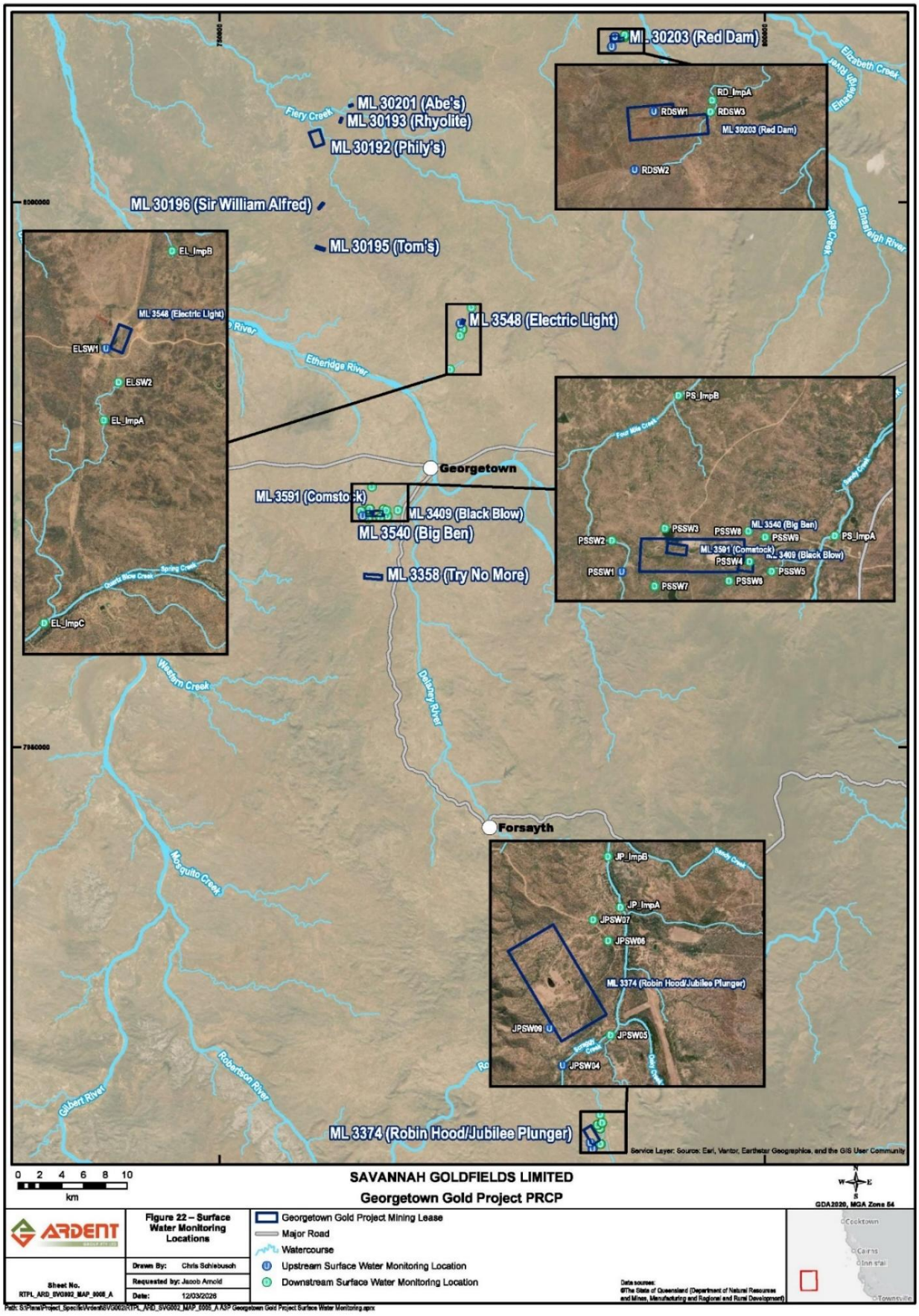
- All metals and metalloids must be measured as ‘dissolved’ (from analysis of a field filtered sample) and total (unfiltered).
- Limits for metals and metalloids apply to dissolved results.
- ANZG (2018) Aquatic ecosystem protection for moderately disturbed system (95% protection)

Appendix 6 – Surface Water Monitoring Locations

Monitoring locations	Receiving waters location description	Location	
		Easting (GDA94 – Zone 54)	Northing (GDA94 – Zone 54)
Upstream			
PSSW1	Plant	763113	7971189
ELSW1	Electric Light	772080	7988855
RDSW1	Red Dam	786261	8015157
RDSW2	Red Dam	785965	8014265
JPSW04	Jubilee Plunger	784205	7913122
JPSW09	Jubilee Plunger	784004	7913690
Downstream			
PSSW2	Plant Site - Downstream towards the North West.	762965	7971670
PSSW3	Plant Site - Flowing north from the process plant.	763776	7971854
PSSW4	Plant Site - Flowing east downstream of tailings dam.	765069	7971347
PSSW5	Plant Site - Flowing east downstream of the tailings dam.	765405	7971198
PSSW6	Plant Site - Creek draining south east from tailings dam.	764755	7971052
PSSW7	Plant Site - Flowing north towards mining lease.	763617	7970971
PSSW8	Plant Site - Flowing North East from tailings dam.	765051	7971812
PSSW9	Plant Site - Flowing East from tailings dam.	765308	7971722
PS_ImpA	Plant Site	766370	7971742
PS_ImpB	Plant Site	763982	7973886

Monitoring locations	Receiving waters location description	Location	
		Easting (GDA94 – Zone 54)	Northing (GDA94 – Zone 54)
ELSW2	Electric Light - Downstream of extraction pit.	772273	7988341
EL_ImpA	Electric Light	772049	7987758
EL_ImpB	Electric Light	773092	7990348
EL_ImpC	Electric Light	771135	7984658
RDSW3	Red Dam - Downstream of extraction pit.	787127	8015155
RD_ImpA	Red Dam	787153	8015329
JPSW05	Jubilee Plunger - Downstream of extraction pit.	784936	7913590
JPSW06	Jubilee Plunger	784903	7915031
JPSW07	Jubilee Plunger	784672	7915353
JP_ImpA	Jubilee Plunger	785089	7915543
JP_ImpB	Jubilee Plunger	784899	7916319

Figure 22 – Surface Water Monitoring Locations

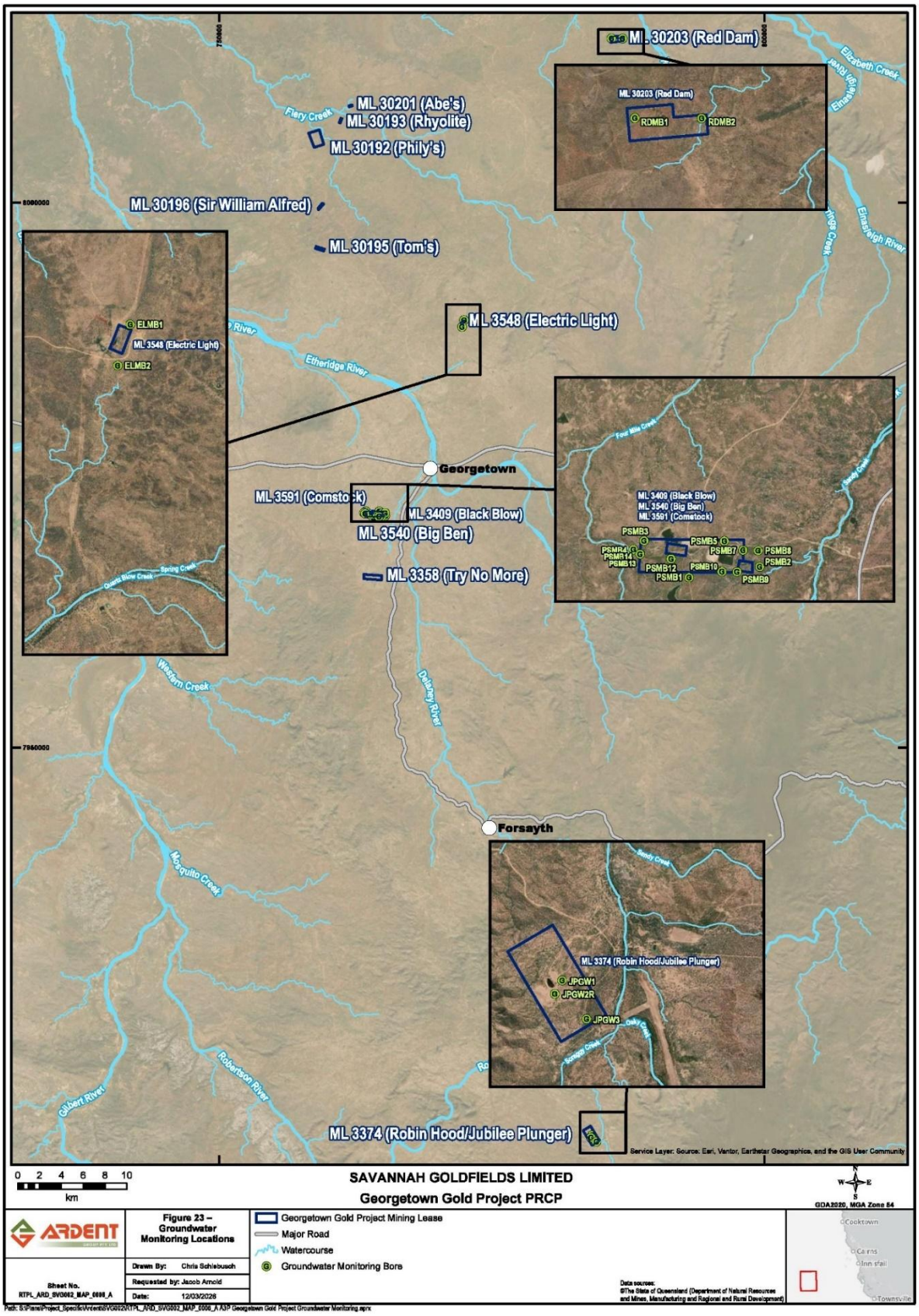


Appendix 7 – Groundwater Monitoring Locations

Monitoring bore	Location description	Hydrogeological Unit	Location	
			Easting (GDA94 – Zone 54)	Northing (GDA94 – Zone 54)
PSMB1	Plant Site	Unconfined regolith	764148	7971110
PSMB2	Plant Site	Unconfined regolith	765228	7971273
PSMB3	Plant Site	Unconfined regolith	763461	7971672
PSMB4	Plant Site	Unconfined regolith	763298	7971539
PSMB5	Plant Site	Unconfined regolith	764687	7971667
PSMB7	Plant Site	Fracture Granite (semi-confined)	764973	7971528
PSMB8	Plant Site	Fracture Granite (semi-confined)	765204	7971521
PSMB9	Plant Site	Unconfined regolith	764881	7971197
PSMB10	Plant Site	Unconfined regolith	764651	7971201
PSMB12	Plant Site	Fracture Granite (semi-confined)	763873	7971394
PSMB13	Plant Site	Fracture Granite (semi-confined)	763401	7971468
PSMB14	Plant Site	Fracture Granite (semi-confined)	763399	7971467
ELMB1	Electric Light	Fracture Granite	772455	7989229
ELMB2	Electric Light	Fracture Granite	772264	7988601
RDMB1	Red Dam	Granite (semi-confined)	785974	8015064
RDMB2	Red Dam	Unknown	786995	8015060
JPGW1	Jubilee Plunger	Regolith to moderately weathered fractured granodiorite	784203	7914431
JPGW2R	Jubilee Plunger	Slightly weathered fractured granodiorite	784090	7914226

Monitoring bore	Location description	Hydrogeological Unit	Location	
			Easting (GDA94 – Zone 54)	Northing (GDA94 – Zone 54)
JPGW3	Jubilee Plunger	Deep fractured granodiorite	784576	7913842

Figure 23 – Groundwater Monitoring Locations



Appendix 8 – Groundwater Quality Limits

Quality Characteristic	Monitoring bore	Limit	Comment on Limit
pH (pH Unit)	All bores	6.5-8.0	Site-specific
Electrical Conductivity (µS/cm)	Electric Light, Jubilee Plunger and red dam bores	1,860	Site-specific – 80th percentile
Electrical Conductivity (µS/cm)	Plant bores	3000	Site-specific – 80th percentile
Sulfate (mg/L)	Electric Light, Jubilee Plunger and red dam bores	85	Site-specific
Sulfate (mg/L)	Plant bores	900	Site-specific
Aluminium – Dissolved (µg/L)	All bores	55	ANZG 2018
Antimony – Dissolved (µg/L)	All bores	9	ANZG 2018
Arsenic – Dissolved (µg/L)	All bores, except Red Dam bores	13	ANZG 2018
Arsenic – Dissolved (µg/L)	Red Dam bores	38	Site-specific
Bismuth – Dissolved (µg/L)	All bores	600	Site-specific
Cadmium – Dissolved (µg/L)	All bores	0.5	Site-specific
Cobalt – Dissolved (µg/L)	Electric Light and Jubilee Plunger bores	1.4	ANZG 2018
Cobalt – Dissolved (µg/L)	Red Dam bores	5	Site-specific
Cobalt – Dissolved (µg/L)	Plant bores	40	Site-specific
Copper – Dissolved (µg/L)	Electric Light and Jubilee Plunger bores	1.4	ANZG 2018
Copper – Dissolved (µg/L)	Red Dam bores	5	Site-specific
Copper – Dissolved (µg/L)	Plant bores	10	Site-specific
Lead – Dissolved (µg/L)	All bores	34	Site-specific
Mercury – Dissolved (µg/L)	All bores	0.6	ANZG 2018
Nickel – Dissolved (µg/L)	All bores	11	ANZG 2018
Selenium – Dissolved (µg/L)	All bores	5	ANZG 2018
Silver – Dissolved (µg/L)	All bores	0.05	ANZG 2018
Tin – Dissolved (µg/L)	All bores	3	ANZG 2018

Quality Characteristic	Monitoring bore	Limit	Comment on Limit
Zinc – Dissolved (µg/L)	All bores	40	Site-specific
Cyanide (Free)	All bores	7	
Cyanide (WAD)	For interpretation purposes		
Major ions (mg/L) - Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes		
Hardness (mg/L)	For interpretation purposes		
Level (mAHD)	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)

END OF PRCP SCHEDULE