TRITTON RESOURCES PTY LTD

ABN 88 100 095 494

Part 2

First Forward Program

for

ML1544 – Tritton Copper Mine

1 July 2023 to 30 June 2026

Prepared by:

RWCorkery&co

August 2023

ACKNOWLEDGEMENT

R.W. Corkery & Co. acknowledge and pay our respects to the Traditional Custodians of the lands comprising NSW and Australia on which our projects are located. We appreciate the knowledge, advice and involvement of the Elders and extended Aboriginal community that contribute to our Projects and extend our respect to all Aboriginal and Torres Strait Islander peoples.

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1 July 2023 to 30 June 2026

Prepared for:

Tritton Resources Pty Ltd
ABN: 88 100 095 494

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Ref No. 440/20 August 2023

RWCorkery&co

SUMMARY TABLE

Name of Mine:	Tritton Copper Mine		
Forward Program Commencement Date:	1 July 2023		
Forward Program Revision Dates:	**Version**	**Approved by – Date**	
	Version 1		
Mining Lease(s):	ML1544	**Expiry Date(s):**	N/A
Name of Lease holder(s):	Tritton Resources Pty Ltd		
Date of Submission:	3 August 2023		

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PLANS

Part 2 – Forward Program

2.1 Three Year Forecast – Surface Disturbance Activities

This document presents the first Forward Program for the Tritton Copper Mine (the "Mine"). It covers planned rehabilitation activities during the "Forward Program Period" which includes the period from 1 July 2023 to 30 June 2026. This period has been selected to align with rehabilitation reporting for the Mine. It is intended that the Rehabilitation Report and Forward Program will review rehabilitation progress for the previous 12 months, compare this to the Forward Program, and propose the Forward Program for the next three years.

2.1.1 Project Description

The Tritton Copper Mine (the "Mine") is located approximately 22km southwest of the village of Girilambone within the Bogan Local Government Area (LGA) in central west NSW (**Figure 1**). The Mine is owned and operated by Tritton Resources Pty Ltd (the "Company"), a wholly owned subsidiary of Aeris Resources Limited. Operations at the Mine commenced under Development Application (DA) 41/98 and Mining Lease (ML) 1544. DA 41/98 was approved on 1 September 1999 by the Minister for Planning and Urban Affairs and is approved to operate until 21 December 2028. For the purpose of this document, the area covered by ML1544 is referred to as the "Mine Site" (**Figure 2**). The Mine Site covers an area of approximately 1,400ha, only a small portion of which is used for active mining. The Mine Site comprises both freehold land and Crown land and is bisected by Yarrandale Road, the principal road between Girilambone and Hermidale.

Figure 2 presents an overview of the layout of the Tritton Copper Mine, including the following infrastructure.

- Box cut and decline
- ROM Pad
- Crushing and Screening Plant
- Surge Stockpile
- Non-acid Forming WRE
- Processing Plant
- Settling Pond
- Tailings Storage Facility
- Administration and Workshop
- Paste Fill Plant
- Process Water Ponds

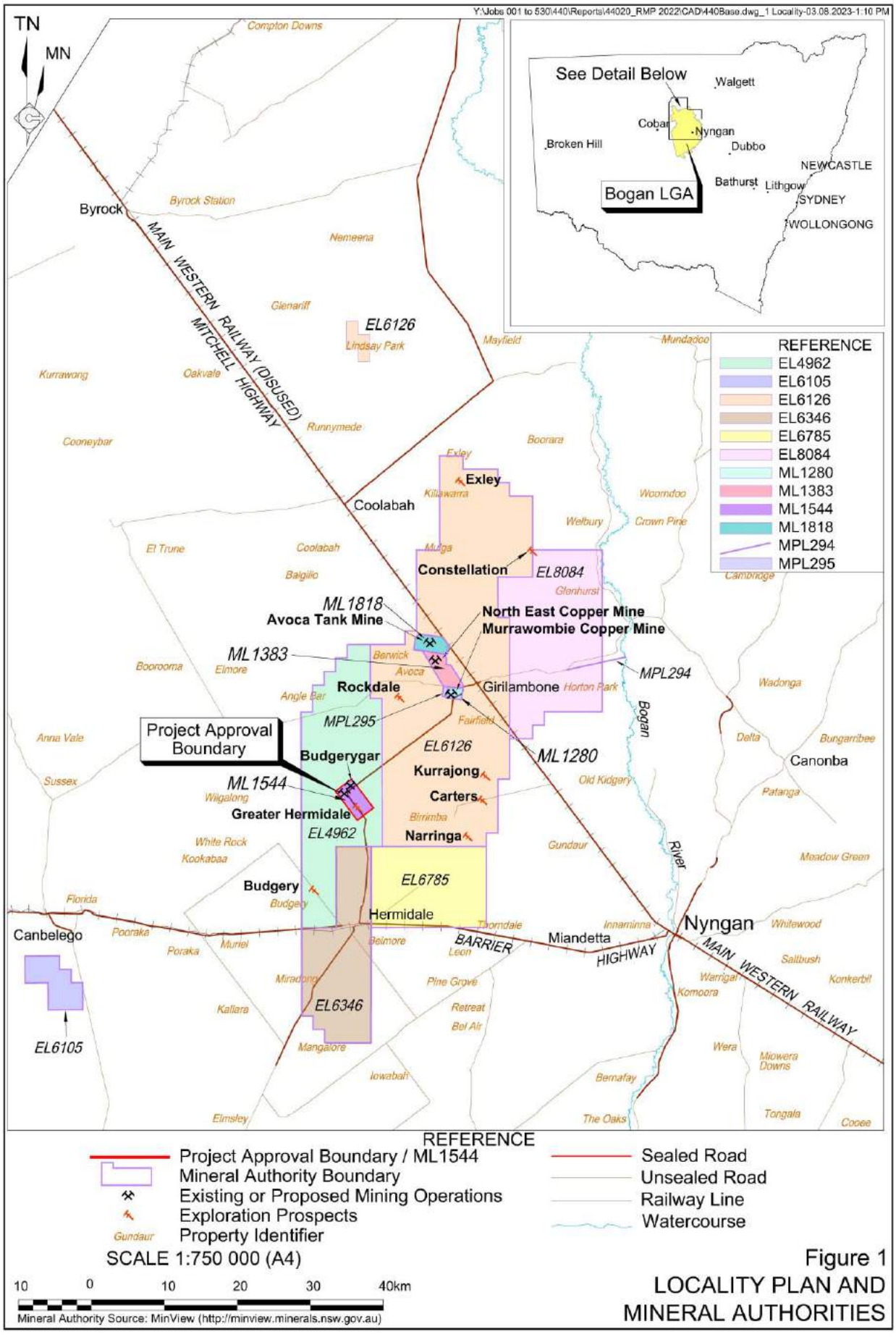


Figure 1
LOCALITY PLAN AND MINERAL AUTHORITIES

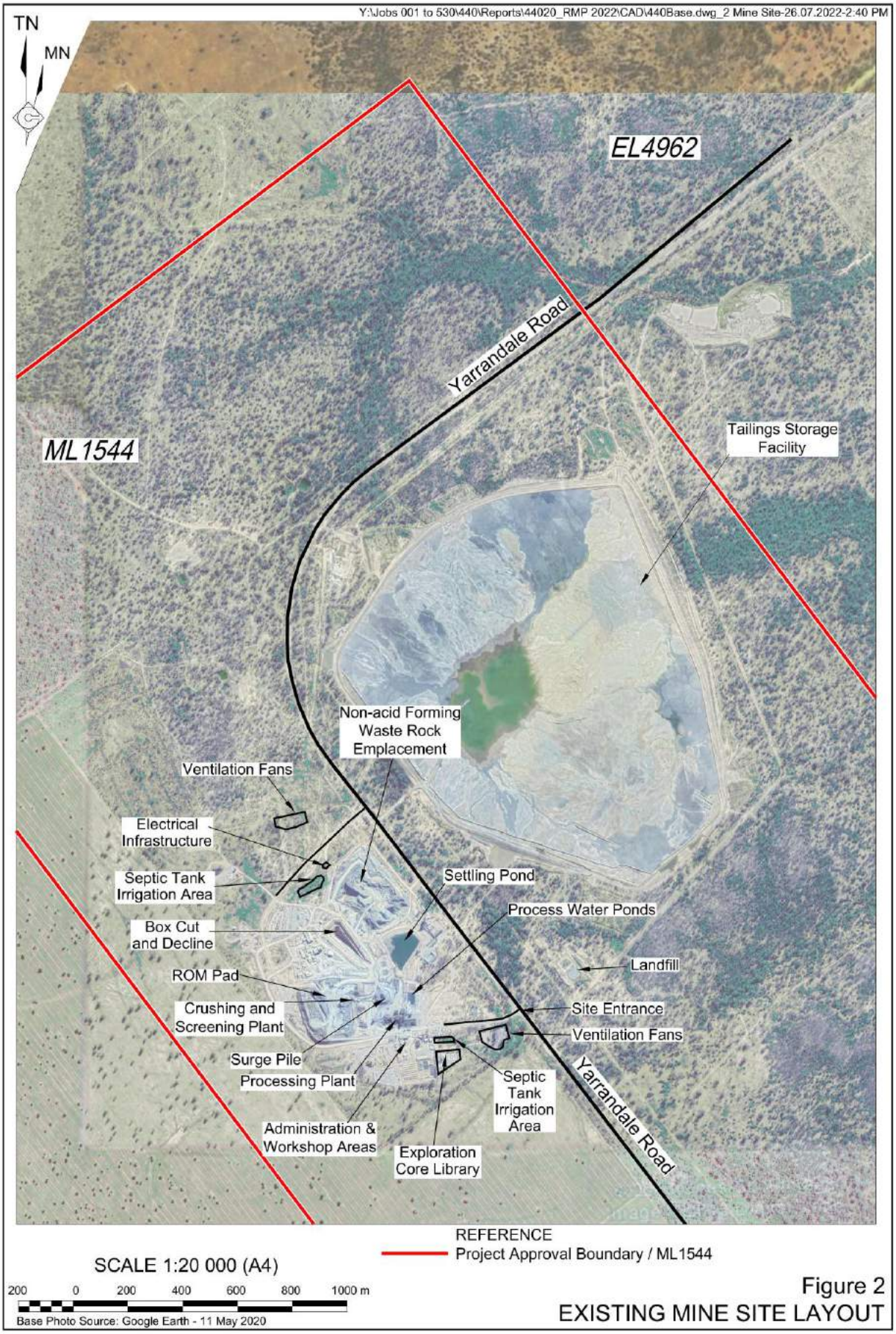


Figure 2
EXISTING MINE SITE LAYOUT

2.1.2 Description of Surface Disturbance Activities

2.1.2.1 Exploration Activities

The Company will undertake underground exploration and infill drilling within ML1544 in the Forward Program Period, principally to define the recently approved Budgerygar ore deposit.

2.1.2.2 Construction Activities

A surface ventilation fan will be constructed to support operations within the Budgerygar deposit. No other construction activities are proposed during the Forward Program Period.

2.1.2.3 Mining Schedule

Extraction Sequencing

Ore is mined from the existing underground operations through top down long hole open stoping methods at depths of up to 1.5km. During Year 1, underground mining is expected to transition from the Tritton underground deposit to the Budgerygar deposit. Mining is expected to continue at Budgerygar for a period of six years.

The anticipated material production schedule during the Forward Program Period is presented in **Table 1**.

Table 1
Material Production Schedule During the Next Three Years

Material	Unit	Year 1	Year 2	Year 3
Stripped topsoil (if applicable)	t	0	0	0
Rock/overburden	t	280,000	200,000	150,000
Ore	t	952,000	728,000	589,000
Reject Material	t	892,000	681,000	546,000
Product	t	12,590	9,850	8,900

Emplacements

Waste rock (both PAF and NAF) is used to backfill underground workings. Any excess NAF waste rock generated during underground operations will continue to be stored temporarily in the NAF waste rock emplacement until it is required for capping of the Tailings Storage Facility at closure.

Processing Activities

Ore is processed using flotation, with tailings discharged to the Tailings Storage Facility or used to produce paste fill that is pumped underground to support mining operations. Approximately 50% of tailings is used in paste fill production, reducing the space required in the Tailings Storage Facility. Underground mining and processing operations are undertaken 24-hours per day, 7 days per week.

Concentrate produced by the processing plant at the Tritton Copper Mine is placed in sealed shipping containers. These containers are transported via Yarrandale Road to the Hermidale rail siding. From the siding, the containers are transported by rail to Newcastle for export to China, India, Japan, Korea or the Philippines.

Waste Disposal

The principal wastes that will be generated at the Mine can be categorised as production and non-production wastes. Production waste includes waste rock and tailings. Non-production wastes may include:

- greases, oils, filters, tyres and batteries from maintenance of vehicles and equipment;
- bulk scrap metal and plastics from discarded equipment;
- general office wastes e.g. paper;
- general waste generated by employees – e.g. food scraps, paper, cardboard, aluminium and steel cans; and
- wastewater from ablution facilities.

All hydrocarbon wastes will be stored in specified areas on site within a bunded area until collected by a licensed contractor. Worn tyres will be temporarily stored and removed from site regularly.

All general waste materials will be stored in covered bins or skip bins, are collected by a licensed contractor and disposed of at Council-operated landfill sites. Waste that is too big to be placed in the on-site bins for collection will continue to be placed in the on-site landfill. Recyclable general wastes, including paper, cardboard, steel and aluminium will be stored separately from non-recyclable wastes, and collected on a regular basis by a licensed contractor and transported to an appropriately licensed facility for recycling.

All wastewater generated on the site will continue to be treated through the approved on-site septic tank system or collected by a licenced contractor as required.

Tailings waste material produced at the Processing Plant comprise of finely ground rock with a considerable portion of pyrite, quartz and other sulphides and negligible quantities of residual processing reagents. Tailings are pumped from the Processing Plant as slurry into the Tailings Storage Facility, where the tailings settles, drains and consolidates. The water contained in the slurry is liberated from the slurry and flows down the sloped tailings beach where it is concentrated around the recovery pump and pumped back to the processing plant for reuse.

Drill cuttings that are generated through exploration activities within the mining lease area and other tenements held by the Company will be deposited within the Tailing Storage Facility in accordance with the Disposal Management Plan.

2.2 Three Year Rehabilitation Forecast

2.2.1 Rehabilitation Planning Schedule

2.2.1.1 Stakeholder Consultation

The Company has undertaken consultation with relevant stakeholders during preparation of the *Rehabilitation Management Plan* for the Mine. The following government agencies and community stakeholders were contacted in November 2022.

- Bogan Shire Council
- Nyngan Local Aboriginal Land Council
- Crown Lands
- Environmental Protection Authority
- NSW Resources Regulator
- Department of Planning and Environment
- Department of Planning and Environment – Water
- Department of Regional NSW – Minerals, Exploration and Geoscience
- Heritage NSW
- Department of Planning and Environment - Biodiversity Conservation Division

Where a response has been received from the above stakeholders it has been to indicate that no comments would be provided (EPA and BCD). Feedback received from DPE Water identified priorities for post-closure water management. The DPE Water feedback will be addressed during the preparation of a Post-Closure Water Management Strategy (discussed in more detail in Section 2.2.4. The *Rehabilitation Management Plan* will be updated based on the feedback received during ongoing consultation.

No further stakeholder consultation is planned in relation to rehabilitation planning or scheduling over the Forward Program Period, excluding regular updates presented to the local community at meetings during the period.

2.2.1.2 Rehabilitation Assessment and Methodologies

As part of the preparation of the *Rehabilitation Management Plan* for the Mine, the Company prepared a risk assessment to outline specific risks and controls associated with the rehabilitation of the Mine. This risk assessment is summarised in the *Rehabilitation Management Plan* and available on site or on request.

A Gap Analysis Report prepared by Okane Consultants has identified eight work programs associated with rehabilitation of the Mine Site (and the Company's other operations). This information and the outcomes of a rehabilitation risk assessment have identified a range of actions that would inform mine closure planning. principally concerning studies and assessment required to inform the preparation of individual Closure Plans for high risk components of the Mine Site.

For the Tritton Mine these include the TSF. This information has been used to inform rehabilitation planning reflected in this Forward Program and within the *Rehabilitation Management Plan* for the Mine.

Table 2 presents a schedule for rehabilitation planning activities to address knowledge gaps in rehabilitation over the next three-year period. Opportunities for active rehabilitation are limited at the Mine Site given the nature of underground mining and tailings management. The Company is committed to completing the studies outlined in **Table 2** to ensure that rehabilitation outcomes are successful.

Table 2
Rehabilitation Planning Schedule

Year	Studies
1	Detailed biennial rehabilitation monitoring campaign (completed Year 1) Seed Balance and Procurement Strategy (completed Year 1) Waste Rock Characterisation – geochemical analysis of waste rock for rehabilitation planning (completed Year 1) Hydromulching Study – research program on hydromulching application (completed Year 2) TSF Closure Planning – long term tailings consolidation study (completed Year 2) Post Closure Water Management Strategy – site-wide water balance study (completed Year 3)
2	Landform Evolution Modelling - covering high risk landforms at all mine sites (completed Year 2) TSF Closure Planning – detailed design for TSF capping and closure (completed Year 2) Post Closure Water Management Strategy – post-mining surface water management (completed Year 3)
3	Detailed biennial rehabilitation monitoring campaign (completed Year 3) Post Closure Water Management Strategy – groundwater modelling (completed Year 3)

In summary the following activities are planned during the Forward Program Period.

- Detailed rehabilitation monitoring will be commissioned every two years to inform rehabilitation planning and to measure the success of rehabilitation activities.
- The Company will review available seed stocks and initiate a seed collection in a program coordinated across all its mines in the region.
- Closure planning for the TSF will include a study of the expected long-term consolidation of tailings material. The data collected during this study will inform the concept design for the TSF cover system and landform design which will also be prepared during the Forward Program Period. This concept design would be subject to detailed assessment and investigations that are planned for the next Forward Program period.
- Following preliminary design preparation for the TSF cover system and landform, landform evolution modelling would be undertaken to test the long-term stability of the proposed cover design.
- Preparation of a Post-Closure Water Management Strategy will commence in Year 1 through a water balance study across all the Company's mines in the region. Additional assessment that would be commenced in the Forward Program Period

include an assessment of expected groundwater behaviour and long-term rehabilitation risks associated with the TSF to determine the long-term strategy to rehabilitate this landform. The Post-Closure Water Management Strategy will ensure that surface water management at the Mine Site and final water quality conditions are acceptable.

2.2.2 Rehabilitation Research and Trials

Rehabilitation trials during the Forward Program Period will principally include revegetation, monitoring and maintenance of sections of the TSF embankment.

A small-scale field trial on the western embankment of the TSF is currently being conducted to assess the effectiveness of excluding grazing on rehabilitation outcomes. The exclusion fencing was erected in 2020 and rehabilitation monitoring was conducted in 2020 in conjunction with site wide rehabilitation monitoring. The sites will continue to be monitored to evaluate the benefits for installation of exclusion fences around the perimeter of the TSF.

The outcomes of the rehabilitation studies described in Section 2.2.1.2 may include recommendations for rehabilitation-specific trials for research programs.

2.2.3 Rehabilitation Maintenance and Corrective Actions

As this is the first Forward Program for the Mine and an Annual Rehabilitation Report has not yet been prepared, no rehabilitation performance issues, or knowledge gaps identified in an Annual Rehabilitation Report are noted.

The 2020 Tritton Mine Rehabilitation Monitoring Report however identified opportunities to assist in improving long-term rehabilitation outcomes for the Tailings Storage Facility. Suggestions included the addition of Callitris saplings to increasing soil surface protection, reduce erosion potential, provide additional microsites and protection from grazing animals. Tritton has placed Callitris on a section of the TSF Main Embankment to assess its effectiveness. It was also suggested to undertake a series of small-scale field and/or pot trials to investigate additional rehabilitation requirements. Tritton has added logs and branches from a biological stockpile to a subsection of the most recently rehabilitated section of the TSF northern embankment.

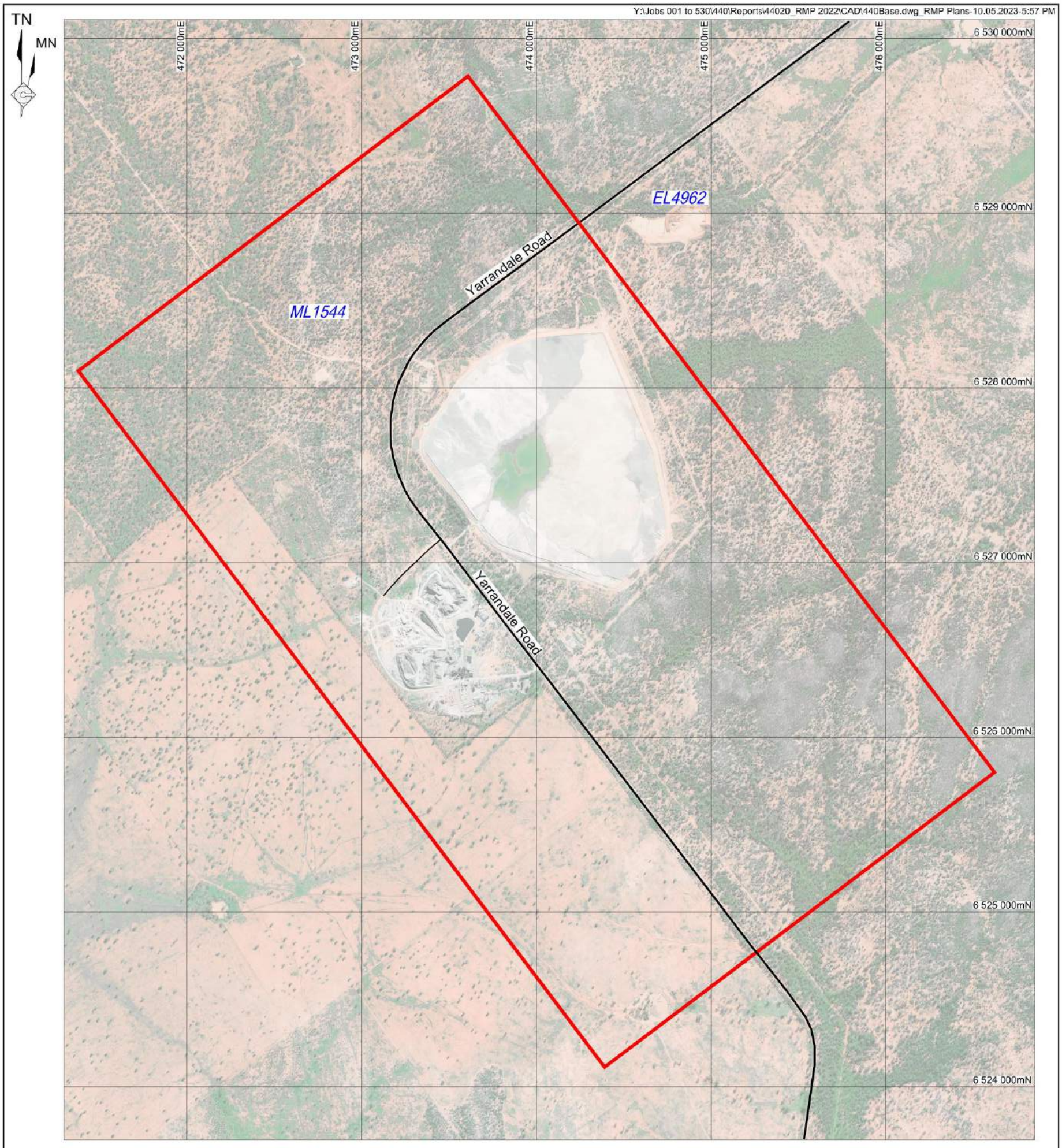
2.2.4 Rehabilitation Schedule

As shown on **Plans 2A** to **2C**, no areas of the Mine Site are expected to be available for rehabilitation during the Forward Plan Period, with the exception of small sections of the TSF embankment that have been revegetated and will be subject to maintenance and in-fill revegetation work. Key rehabilitation activities will include the completion of studies listed in **Table 2**.

2.2.5 Subsidence Remediation for Underground Operations

No subsidence monitoring is planned in the next three-year period as no incidences of mine subsidence have been identified as occurring within the Mine Site or as a result of mining operations. Subsidence represents a low risk to rehabilitation at the Mine Site and as such, no specific subsidence-related management and maintenance programs are required at the Mine.

2.3 Plan 2 – Mining and Rehabilitation Three Year Forecast



REFERENCE
Project Approval Boundary / ML1544
Rehabilitation Forecast
Forecast Disturbance
Forecast Land Prepared for Rehabilitation

Mine Name	Tritton Copper Mine
Plan Name	Plan 2A Mining and Rehabilitation 3 Year Forecast - Year **1**
Anticipated Year of Relinquishment	2039
Date Plan Created	31 July 2023
Data Theme Submission ID Numbers	XXXXXX

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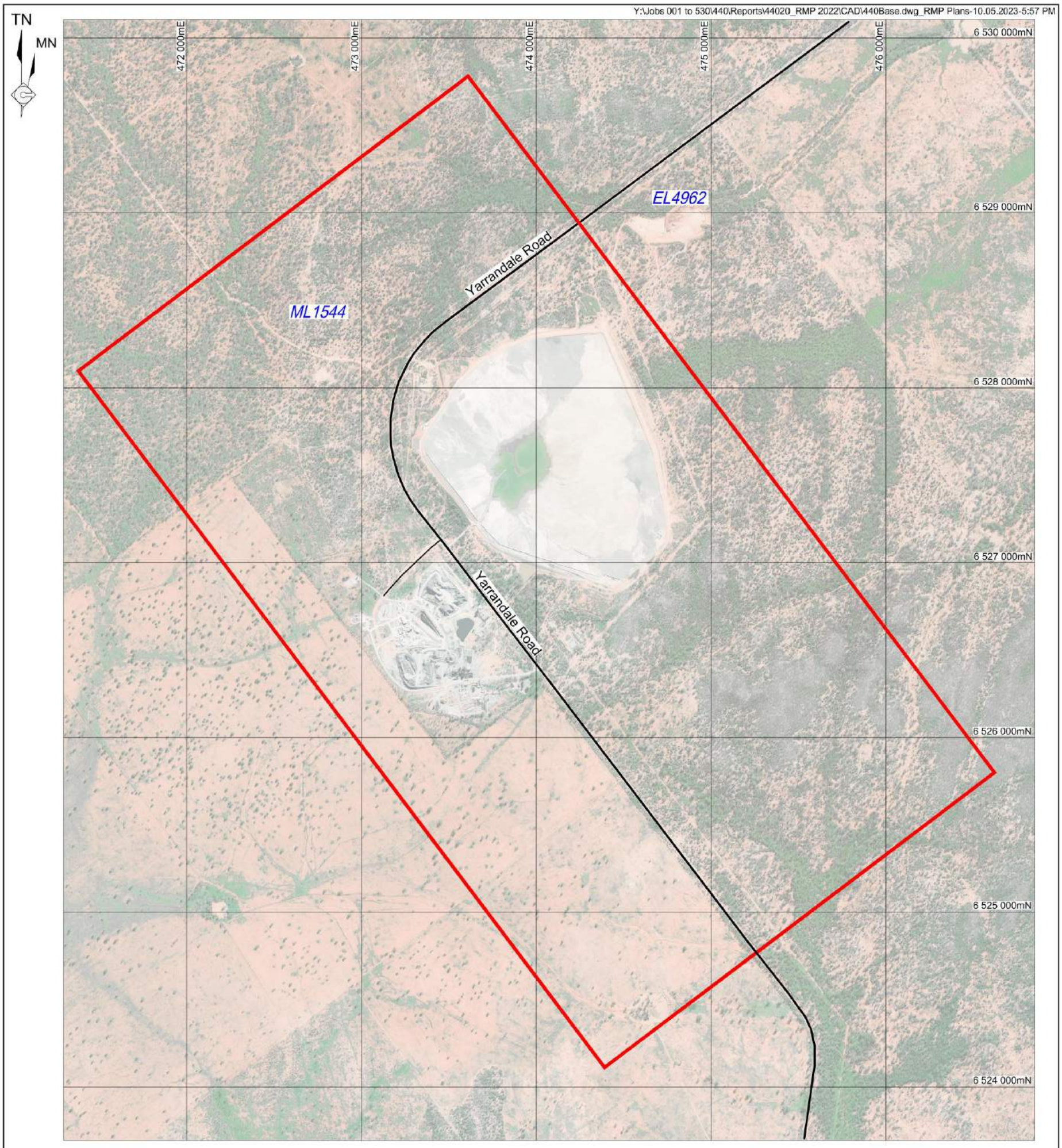
Base Photo Source: Minstaff Survey (October 2013) & Google Earth

Plan 2A
MINING AND REHABILITATION 3 YEAR FORECAST - YEAR 1



REFERENCE
Project Approval Boundary / ML1544
Rehabilitation Forecast
Forecast Disturbance
Forecast Land Prepared for Rehabilitation

Mine Name	Tritton Copper Mine
Plan Name	Plan 2B Mining and Rehabilitation 3 Year Forecast - Year 2
Anticipated Year of Relinquishment	2039
Date Plan Created	31 July 2023
Data Theme Submission ID Numbers	XXXXXX

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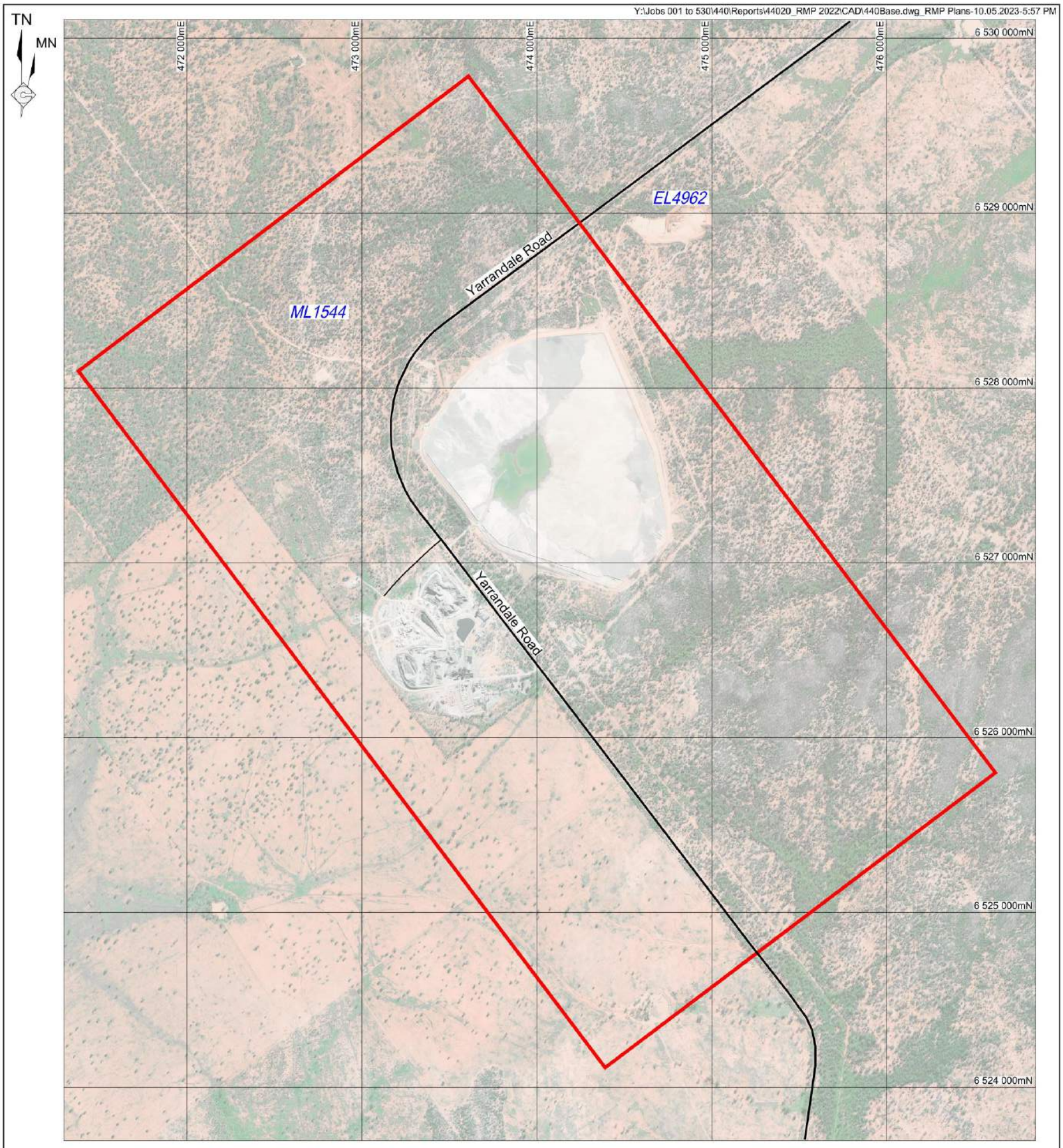
Base Photo Source: Minstaff Survey (October 2013) & Google Earth

Plan 2B
MINING AND REHABILITATION 3 YEAR FORECAST - YEAR 2



REFERENCE
Project Approval Boundary / ML1544
Rehabilitation Forecast
Forecast Disturbance
Forecast Land Prepared for Rehabilitation

Mine Name	Tritton Copper Mine
Plan Name	Plan 2C Mining and Rehabilitation 3 Year Forecast - Year 3
Anticipated Year of Relinquishment	2039
Date Plan Created	31 July 2023
Data Theme Submission ID Numbers	XXXXXX

SCALE 1:25 000 (A3)

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Base Photo Source: Minstaff Survey (October 2013) & Google Earth

Plan 2C
MINING AND REHABILITATION 3 YEAR FORECAST - YEAR 3

2.4 Progressive Mining and Rehabilitation Statistics

2.4.1 Three Yearly Forecast Cumulative Disturbance and Rehabilitation Progression

Table 3 presents a summary of the forecast cumulative disturbance and rehabilitation progression during the Forward Program Period. No areas of the Mine Site are expected to be available for rehabilitation during the Forward Program Period.

Table 3
Predicted Cumulative Disturbance and Rehabilitation Progression during the next Three-Year Term

	Year 1	Year 2	Year 3
Total disturbance footprint – surface disturbance (ha)	231.09	231.09	231.09
Underground mining area (ha)	61.09	61.09	61.09
Total active disturbance (ha)	231.09	231.09	231.09
Rehabilitation – land preparation (ha)	0	0	0
Ecosystem and land use establishment (ha)	0	0	0

2.4.2 Rehabilitation Key Performance Indicators

Table 4 presents a summary of the progressive rehabilitation key performance indicators for the Forward Program Period. It is not anticipated that the rehabilitation to disturbance ratio will change over the Forward Program Period.

Table 4
Progressive Rehabilitation Key Performance Indicators during the Next Three-Year Term

	Year 1	Year 2	Year 3
Total new active disturbance area during reporting period (ha)	0	0	0
Area of land proposed for active rehabilitation during reporting period	0	0	0
Annual Rehabilitation to Disturbance Ratio	0:0	0:0	0:0

2.5 Rehabilitation Cost Estimate

In accordance with the *Form and Way – Annual Rehabilitation Report and Forward Program for Large Mines*, an updated Rehabilitation Cost Estimate for the Mine prepared based on the "maximum disturbance within a term" method has been provided to the Resources Regulator separately.