



Licence number	L8907/2015/1
Licence Holder	Big Bell Gold Operations Pty Ltd
ACN	090 642 809
Registered business address	Level 6, 197 St Georges Tce PERTH WA 6000
DWER file number	DER2015/001593
Duration	19/10/2015 to 18/10/2025
Date of amendment	22/06/2021
Premises details	Cue Gold Operations – Day Dawn Mining tenements M21/7, M21/10, M21/14, M21/44, M21/65 and M21/89 CUE WA 6640

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 6: Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining or ore	1,150,000 tonnes per annual period
Category 70: Screening; etc. of material: premises on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated	Up to 50,000 tonnes per annual period

This amended licence is granted to the Licence Holder, subject to the attached conditions, on 22 June 2021, by:

Alana Kidd

Manager, Resource Industries

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)



Introduction

This Introduction is not part of the Licence conditions.

DWER's industry licensing role

The Department of Water and Environmental Regulation (DWER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DWER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DWER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DWER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This licence is issued under Part V of the Act. Conditions contained within the licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licence Holder the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link:

<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence Holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non-payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid, and you will need to apply for a new licence for your Premises. Operating without a licence is an offence under the Act.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.



Premises description and Licence summary

Big Bell Gold Operations Pty Ltd (Licence Holder) which is a wholly owned subsidiary of Westgold Resources Limited, owns and operates the Cue Gold Operations – Day Dawn mine (Premises).

The Premises has been assessed as prescribed premises categories 6 (mine dewatering). Mined ore at the Premises is transported to the nearby Bluebird Gold Mine for processing. The Bluebird Gold Mine is also owned by the Licence Holder and operates under Licence L4496/2015/1.

This Licence amendment is initiated by the Licence Holder seeking approval to install and operate two separate mobile crushing and two separate screening plants at the Premises to produce up to 50,000 tonnes per annum (tpa) of material. The material will be used for sheeting of haul and access roads at the Premises.

Licence amendment history for the Premises are:

Instrument log		
Instrument	Issued	Description
L8907/2015/1	3 December 2018	Amendment Notice 1 to: <ul style="list-style-type: none">• Include the 3210 mined pit as a dewatering discharge location and settlement pond.• Remove the transfer dam, used as a settlement facility prior to discharge to Lake Austin, and instead utilise the 3210 and Try Again pits as settlement facilities prior to discharge to Lake Austin.• Reduce the current minimum freeboard in the Try Again pit from 10 metres to 5 metres.
L8907/2015/1	10 July 2019	Amendment Notice 2 to: <ul style="list-style-type: none">• Add Mining Tenement M21/10 to the Prescribed Premise.• To allow water to be pumped from Kinsella to the South Fingall pit.• Include the South Fingall pit as a dewatering discharge location.• Increase Category 6 discharge by 200,000 tonnes per year.
L8907/2015/1	22 June 2021	Licence amendment to include the installation of two separate crushing and screening plants with a combined throughput of up to 50,000 tpa. Licence also amended by amalgamating AN1 and AN2 and updating the Premises name to 'Cue Gold Operations – Day Dawn'.

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

The Licence Holder must ensure that the following conditions are complied with:

1 General

1.1 Interpretation

In this Licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

'Act' means the *Environmental Protection Act 1986*;

'annual period' means the inclusive period from 1 October until the 30 September in the following year;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

'averaging period' means the time over which a limit is measured or a monitoring result is obtained;

'CEO' means Chief Executive Officer of the Department of Water and Environmental Regulation;

'CEO' for the purpose of correspondence means;

Director General
Department Administering the *Environmental Protection Act 1986*
Locked Bag 10
JOONDALUP DC WA
info@dwer.wa.gov.au



‘freeboard’ means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

‘HDPE’ means high density polyethylene;

‘Licence’ means this Licence numbered L8907/2015/1 and issued under the Act;

‘Licence Holder’ means the person or organisation named as Licence Holder on page 1 of the Licence;

‘mg/L’ means milligrams per litre;

‘M³’ means cubic metres;

‘mm’ means millimetres;

‘NATA’ means the National Association of Testing Authorities, Australia;

‘NATA accredited’ means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

‘Premises’ means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

‘quarterly’ means the 4 inclusive periods from 1 October to 31 December and in the following year, 1 January to 31 March, 1 April to 30 June and 1 July to 30 September;

‘Schedule 1’ means Schedule 1 of this Licence unless otherwise stated;

‘spot sample’ means a discrete sample representative at the time and place at which the sample is taken; and

1.2 Premises operation

1.2.1 The Licence Holder shall record and investigate the exceedance of any descriptive or numerical limit in this section.

1.2.2 The Licence Holder shall ensure that any dewatering effluent shall only be managed in the following manner:

- (a) Used for dust suppression in a manner that minimises damage to surrounding vegetation; or
- (b) Discharged via discharge pipelines in accordance with conditions 1.2.3, 2.2.1 and 2.3.1.

1.2.3 The Licence Holder shall ensure that dewatering effluent is discharged into dams with the relevant infrastructure requirements and at the location specified in Table 1.2.1 and identified in Schedule 1.

Table 1.2.1: Containment infrastructure			
Containment point reference	Dam number(s)	Material	Infrastructure requirements
Try Again pit, 3210 pit and South Fingall pit	-	Dewatering effluent	A minimum freeboard of 5 metres is maintained



- 1.2.4 The Licence Holder shall manage the dam in Table 1.2.1 such that a minimum top of embankment freeboard of 300 mm is maintained.
- 1.2.5 The Licence Holder shall ensure that all pipelines containing dewatering effluent are either:
- (a) equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failures;
 - (b) equipped with automatic cut-outs in the event of a pipe failure; or
 - (c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.
- 1.2.6 The Licence Holder shall:
- (a) undertake inspections as detailed in Table 1.2.2;
 - (b) where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and
 - (c) maintain a record of all inspections undertaken.

Table 1.2.2: Inspection of infrastructure		
Scope of inspection	Type of inspection	Frequency of inspection
Mine dewatering pipelines	Visual integrity	Daily
Try Again pit, 3210 pit and South Fingall pit	Visual to confirm a freeboard of 5 metres is available	Daily

- 1.2.7 The Licence Holder shall construct the infrastructure in accordance with the requirements specified in the infrastructure requirements detailed in Table 1.2.3. The Licence Holder must not depart from the design and construction requirements specified in Table 1.2.3 except:
- (a) where such departure is minor in nature and does not materially change or affect the infrastructure; or
 - (b) where such departure improves the functionality of the infrastructure and does not increase risks to public health, public amenity or the environment; and
 - (c) all other conditions in this Licence are still satisfied.

Table 1.2.3: Infrastructure and equipment requirements table	
Column 1	Column 2
Infrastructure	Requirements (design and construction)
Crushing and screening infrastructure	<p>The mobile crushing and screening facilities shall be located at the existing Great Fingall run-of mine pad as shown in Schedule 1: Infrastructure location</p> <p>Two separate mobile crushing plants</p> <ul style="list-style-type: none"> - Komatsu BR380JG Jaw Crusher Capacity up to 240 tph Sprinkler nozzles installed at the jaw entry - Metso/Nordberg HP200 Cone Crusher Capacity up to 190 tph <p>Two separate mobile screening plants</p> <ul style="list-style-type: none"> - Atlas Copco HCS 3715 Two Deck Screening Plant Capacity of to 300 tph Fed directly by the crushing plant or fed independently by a loader. Consists of a feed hopper, reject grid, feed conveyor, main conveyor, side conveyors and a fines conveyor



	<ul style="list-style-type: none"> - Striker SC 185 Two Deck Screening Plant Capacity up to 350 tph Fed by loading shovels, excavator or directly from a mobile crushing unit. Consists of a feed conveyor, main conveyor, side conveyor, fine conveyor, hopper, tipping grid and screenbox. <p>Earthen bunding installed and maintained around the crushing and screening facilities and stockpiles areas to divert uncontaminated stormwater away from the facilities and to prevent uncontrolled runoff from the area.</p> <p>30m x 30m Settlement pond and 30m x 30m reclaim pond to support the crushing and screening plants.</p> <ul style="list-style-type: none"> - Lined with either a: <ul style="list-style-type: none"> • HDPE liner <ul style="list-style-type: none"> ➤ Minimum thickness of 0.75 mm (tolerance of up to 5%); and ➤ Fabricated to form the shape of the excavation; All seams and joins made on site should be continuous. Panels of the liner should be overlapped by a minimum of 100 mm, prior to heat welding or mechanical jointing. or • Engineered soil liner <ul style="list-style-type: none"> ➤ Minimum thickness 300mm ➤ The liner material should be moisture-conditioned to achieve the maximum (in place) design soil density exceeding the 95 per cent maximum dry density (MDD) determined using AS 1289.5.2.1 (2003) and AS 1289 5.4.2 (2007) to achieve minimum permeability of 10^{-8} m/s ➤ The completed liner should uniformly cover both the base and perimeter of the storage compound to achieve one integrated holding facility. - Constructed to provide a minimum total freeboard of 500 mm above the normal operating pond.
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1.2.8 The Licence Holder shall submit within 60 days a compliance document to the CEO, following the construction of the infrastructure outlined in Condition 1.2.7 Table 1.2.3. The compliance document/s shall:

- (a) be certified by a suitably qualified engineer and certify that the works were constructed in accordance with the construction requirements specified in Table 1.2.3;
- (b) provide a list of departures from the specified works certified by a suitably qualified engineer; and
- (c) be signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company.

1.2.9 The Licence Holder shall operate the crushing and screening infrastructure in accordance with the conditions of this Licence, following submission of the compliance document required under condition 1.2.8.



2 Emissions

2.1 General

- 2.1.1 The Licence Holder shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

2.2 Point source emissions to surface water

- 2.2.1 The Licence Holder shall ensure that where waste is emitted to surface water from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emission points to surface water		
Emission point reference	Description	Source including abatement
Lake Austin discharge	Discharge of dewatering effluent into Lake Austin	Water from dewatering of mine pits and underground operations

- 2.2.2 The Licence Holder shall discharge mine dewatering effluents via the discharge point in a manner which minimises erosion and scouring impacts, and reduces the likelihood of surface ponding.

- 2.2.3 The Licence Holder shall not cause or allow point source emissions to surface water greater than the limits listed in Table 2.2.2.

Table 2.2.2: Point source emission limits to surface water			
Emission point reference	Parameter	Limit (including units)	Averaging period
Lake Austin discharge	Dewatering effluent water	950,000 tonnes	Annual period

2.3 Point source emissions to groundwater

- 2.3.1 The Licence Holder shall ensure that where waste is emitted to groundwater from the emission points in Table 2.3.1 and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this Licence.

Table 2.3.1: Emission points to groundwater		
Emission point reference	Description	Source including abatement
Try Again pit, 3210 pit and South Fingall pit	Discharge of dewatering effluent into the Try Again pit, 3210 pit and South Fingall pit	Water from dewatering of mine pits and underground operations

3 Monitoring

3.1 General monitoring

- 3.1.1 The Licence Holder shall ensure that:
- all water samples are collected and preserved in accordance with AS/NZS 5667.1;



- (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; and
- (c) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.

3.1.2 The Licence Holder shall ensure that:

- (a) monthly monitoring is undertaken at least 15 days apart;
- (b) quarterly monitoring is undertaken at least 45 days apart; and
- (c) annual monitoring is undertaken at least 9 months apart.

3.1.3 The Licence Holder shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications and the requirements of the Licence.

3.1.4 The Licence Holder shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

3.2 Monitoring of point source emissions to surface water

3.2.1 The Licence Holder shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of point source emissions to surface water					
Emission point reference	Parameter	Units	Limit	Averaging Period	Frequency
Lake Austin dewatering discharge sampling point	Volumetric flow rate	m ³ /day	-	Monthly	Continuous
	pH ¹	-	-	Spot sample	Quarterly
	Total Recoverable Hydrocarbons	mg/L	15mg/L		
	Total dissolved solids		-		
	Total Suspended Solids		-		
	Aluminium		-		Annually
	Arsenic				
	Cadmium				
	Chromium				
	Cobalt				
	Copper				
	Lead				
	Manganese				
	Mercury				
	Nickel				
	Selenium				
	Sulfate				
	Total Nitrogen				
	Total Phosphorus				
	Zinc				

Note 1: In-field non-NATA accredited analysis permitted



3.3 Monitoring of point source emissions to groundwater

3.3.1 The Licence Holder shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Monitoring of point source emissions to groundwater				
Monitoring point reference	Parameter	Units	Averaging period	Frequency
Try Again pit, 3210 pit and South Fingall dewatering discharge sampling points	Volumetric flow rate	m ³ /day	Monthly	Continuous
	pH ¹	-	Spot sample	Quarterly
	Total Dissolved Solids	mg/L		
	Total Suspended Solids			
	Aluminium		Spot sample	Biannual
	Arsenic	mg/L		
	Cadmium			
	Chromium			
	Cobalt			
	Copper			
	Lead			
	Manganese			
	Mercury			
	Nickel			
	Selenium			
	Sulfate			
	Zinc			

Note 1: In-field non-NATA accredited analysis permitted

4 Information

4.1 Records

- 4.1.1 All information and records required by the Licence shall:
- be legible;
 - if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - except for records listed in 4.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - off-site environmental effects; or
 - matters which affect the condition of the land or waters.
- 4.1.2 The Licence Holder shall complete an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 4.1.3 The Licence Holder shall implement a complaints management system that as a minimum, records the number and details of complaints received concerning the



environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

4.2 Reporting

4.2.1 The Licence Holder shall submit to the CEO an Annual Environmental Report within 90 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 3.2.1	Point source emissions to surface water monitoring results	None specified
Table 3.3.1	Point source emissions to groundwater monitoring results	None specified
4.1.2	Compliance	None specified
4.1.3	Complaints summary	None specified

Note 1: Forms are in Schedule 2

4.2.2 The Licence Holder shall ensure that the Annual Environmental Report also contains:

- any relevant process, production or operational data; and
- an assessment of the information contained within the report against previous monitoring results and Licence limits.

4.2.3 The Licence Holder shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.

Table 4.2.2: Non-annual reporting requirements				
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form ¹
-	Copies of original monitoring reports submitted to the Licence Holder by third parties	Not Applicable	Within 14 days of the CEO's request	As received by the Licence Holder from third parties

Note 1: Forms are in Schedule 2

4.3 Notification

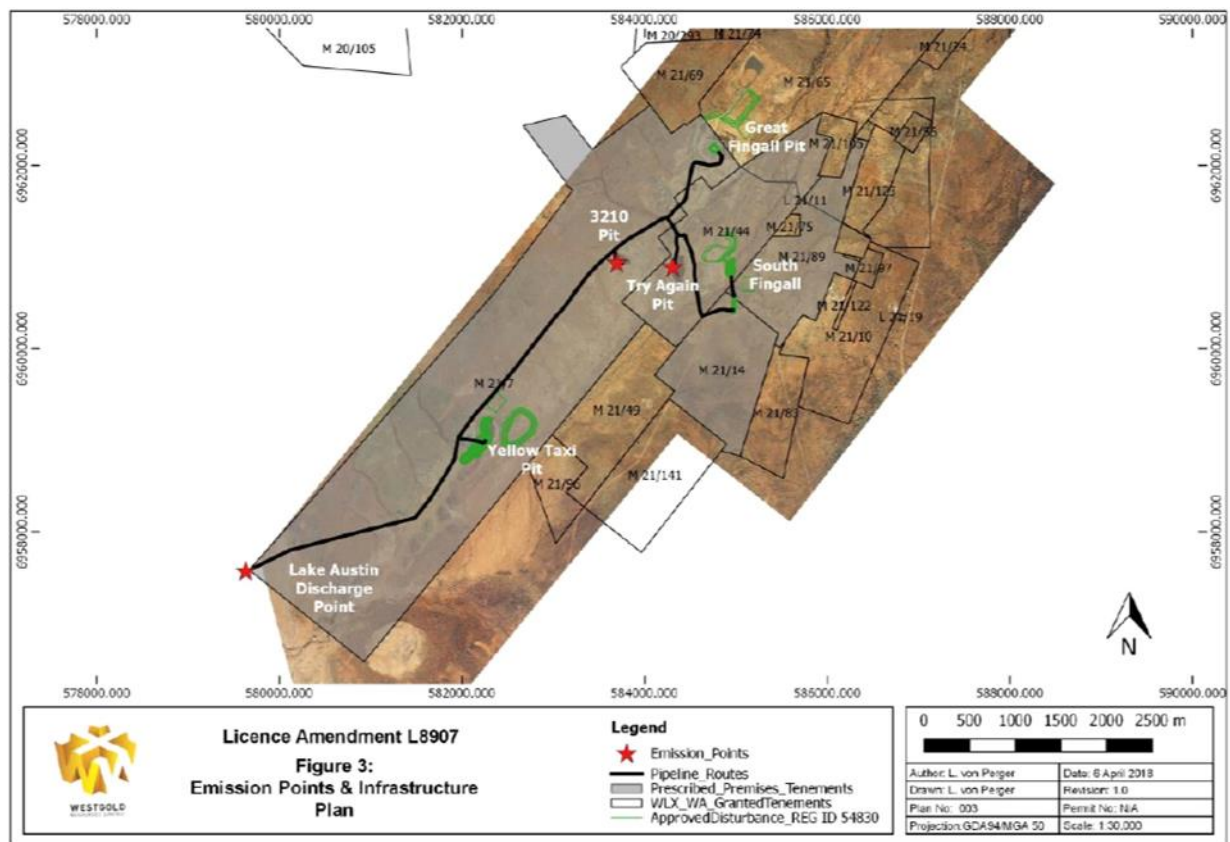
4.3.1 The Licence Holder shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ¹
Condition 2.2.3 and 3.2.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	None specified

Note 1: Forms are in Schedule 2

Map of emission points

The locations of the emission points defined in Tables 2.2.1 and 2.3.1 are shown below.

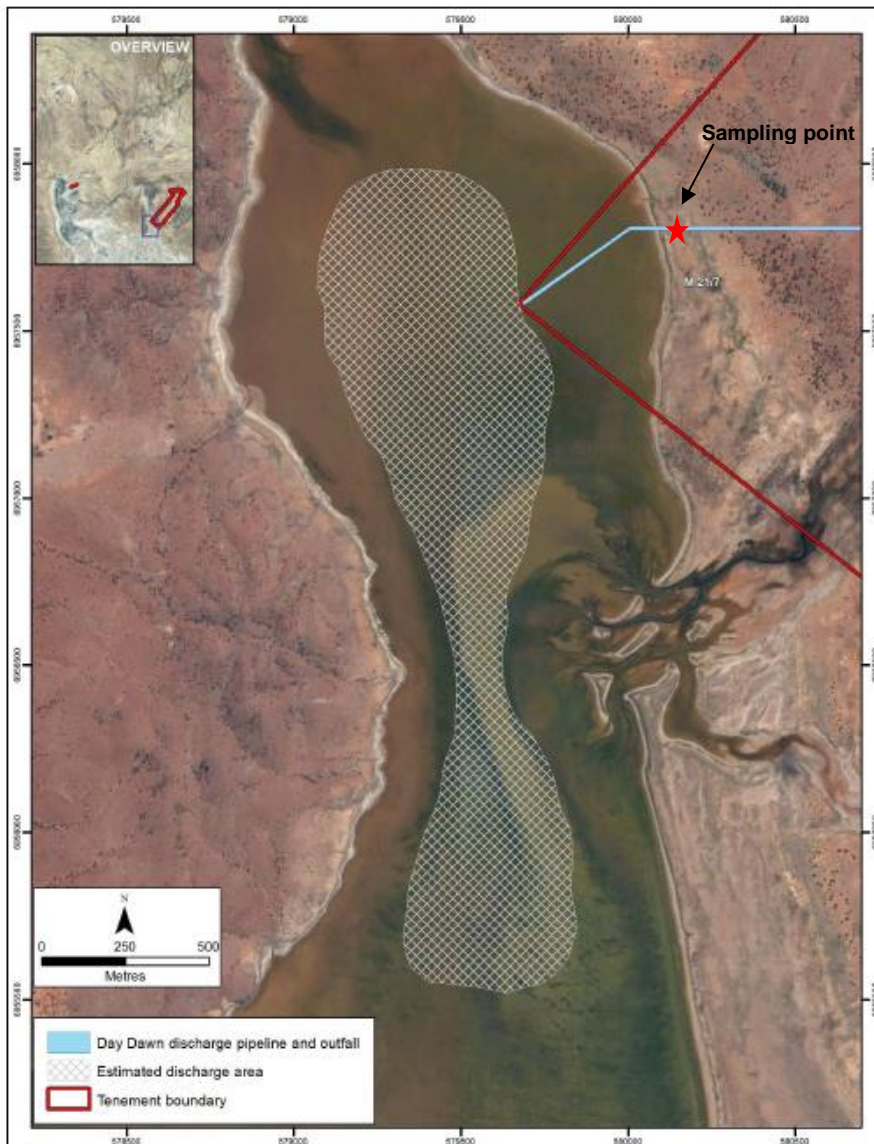


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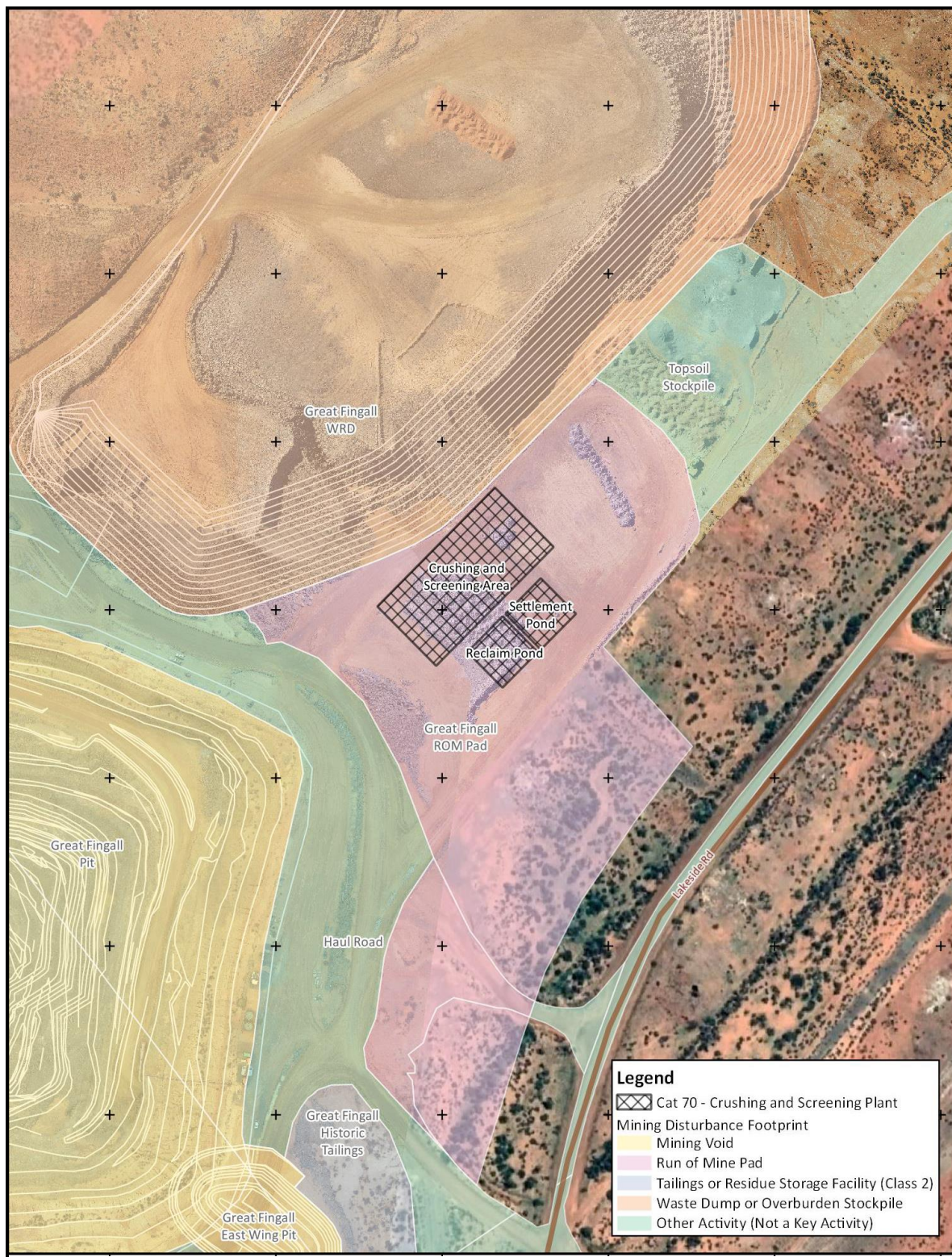
Maps of monitoring and storage locations

The location of the monitoring point defined in Table 3.2.1 is shown below.



Map of Infrastructure

The location of the infrastructure defined in Table 1.3.3 is shown below.



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