Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number	L5529/1988/12
Licence holder	Mt Magnet Gold Pty Ltd
ACN	008 669 556
Registered business address	Level 1, 130 Royal Street, East Perth, WA, 6004
DWER file number	INS-0001209
Duration	10/09/2015 to 09/09/2030
Date of amendment	7/04/2026
Premises details	Mt Magnet Gold L58/16, L58/20, L58/40, M58/4, M58/5, M58/8, M58/11 (partial), M58/30, M58/47 (partial), M58/60 (partial), M58/64, M58/79, M58/81 (partial), M58/119 (partial), M58/121, M58/130, M58/136, M58/143, M58/157, M58/172, M58/173 (partial), M58/179 (partial), M58/181, M58/185, M58/186, M58/187, M58/191, M58/192 (partial), M58/193, M58/194 (partial), M58/198, M58/202, M58/205, M58/208, M58/209, M58/231, M58/232, M58/233, M58/234, M58/236 (partial), M58/241, M58/248, M58/273, M58/285, M58/286 and M58/304 as depicted in the premises map shown in Schedule 1.

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	Assessed production / design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	5,500,000 tonnes per annual period
Category 6: Mine dewatering	3,100,000 tonnes per annual period
Category 12: Screening etc. of material	200,000 tonnes per annual period
Category 57: Used tyre storage (general)	500 used tyres
Category 64: Class II putrescible landfill site	10,000 tonnes per annual period

This amended licence is granted to the licence holder, subject to the attached conditions, on 7 April 2026 by:

Christine Pustkuchen

Digitally signed by Christine Pustkuchen
Date: 2026.04.07 17:44:42 +08'00'

MANAGER, RESOURCE INDUSTRIES

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

Contents

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: https://www.legislation.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.

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

Mt Magnet Gold Pty Ltd operates the Mt Magnet Gold mine (MMG) which is located adjacent to the town of Mount Magnet in the Murchison Region of Western Australia. The area is highly disturbed and degraded due to 130 years of mining activities within this region.

Tenements for the mine cover an area of approximately 225 kilometers. Mining activities include the Galaxy Project, Galaxy Cosmos Project (including Shannon underground mining), St George/Water Tank Hill UG Project and the Eridanus Project.

The Checker Mill (mill) is a conventional semi autogenous grinding (SAG) gold mill. Mill tailings are deposited into the Checker Tailings Storage Facility: Cell 1 (CTSF1), Cell 2 (CTSF2) and Cell 3 (CTSF3). The mill is located approximately two kilometres in from the Galaxy Project area. Mined ore is transported to the Checker Mill via an existing haul road network including the Run of Mine (ROM) access road that runs parallel to Richardson Street public road.

Dewatering of groundwater occurs at MMG to allow the mining of ore. The dewatering effluent water is discharged into disused mined pits (Brown Hill, Wingbag, Hesperus, Saturn, Titan, Milky Way, Franks Tower, Ruby Queen, Boomer and Blackcat South pits), and the process water dam for storage to be later utilised at Checker Mill for the processing of mined ore and for dust suppression on the haul road network. Surface water run-off collection is also via utilising disused mined (Stellar, Franks Tower, Brown Hill, Windbag, Milky Way, Reno, and Vegas) pits.

The landfill facility at MMG is a Class II and only accepts type 1 and 2 inert wastes, type 1 special wastes and putrescible wastes that are generated at the premises.

Mt Magnet Gold is powered from an offsite power generating facility located in the town of Mount Magnet. Mt Magnet Gold also has a 14-megawatt diesel power station located at the premises, however, is only used as an emergency backup during power outages, and when the processing plant is restarted following shutdowns.

The main emissions and discharges at MMG are dust from the crushing and screening circuit, tailings discharge into the TSF and dewatering effluent disposal into a disused mine pits.

The Licences and works approvals issued for the premises since 30/08/2010 are:

Instrument log		
Instrument	**Issued**	**Description**
W4695/2010/1	30/8/2010	Works Approval for the dewatering of pits.
L5529/1988/11	10/9/2010	Licence re-issue.
L5529/1988/11	07/02/2013	Licence amendment. Company name change and removal of condition referencing a dust management plan.
W5385/2013/1	08/08/2013	Tailings storage facility embankment lift.
L5529/1988/11	17/10/2013	Licence amendment following partial compliance with W4695/2010/1.
L5529/1988/11	09/01/2014	Licence amendment following partial compliance with W4695/2010/1.
L5529/1988/12	03/09/2015	Licence reissued.
L5529/1988/12	16/06/2016	Licence amendment for the removal of an obsolete groundwater monitoring bore and the replacement with new groundwater monitoring bores, update of Schedule 1 maps, change landfill category from 89 to 64 as a result of an increase in the throughput from 5,000 tpa to 10,000 tpa, and correction of monitoring reference in Table 3.4.1.
L5529/1988/12	30/06/2017	Amendment Notice 1: for the discharge of mine dewatering to Ruby Queen and Saturn Pits.
L5529/1988/12	18/09/2017	Amendment Notice 2 issued to include dewatering of Stellar, Stellar West, Milky Way and Shannon Pits, discharging via Frank Tower Pit and Ruby Queen Pit to Checker salt water dam. Premise boundary extended. AER submission dates aligned with the AACR.
L5529/1988/12	19/08/2019	Amendment notice 3 issued to increase annual dewatering throughput and authorise discharge of dewatering to O'Meara pit, Franks tower pit and Ruby Queen pit. Replacing of groundwater bore T3RB7 to T3RB01 and installation of a recovery bore T3RB4A. Removal of Saturn pit emission point for dewatering effluent.
L5529/1988/12	04/06/2020	Amalgamation of amendment notices and administrative corrections including updated Department's contacts. During this amalgamation no risk assessment of the premises was undertaken.
W6342/2020/1	17/7/2020	Works approval for embankment raises of Checkers Tailings Storage Facility 1,2 and 3.
L5529/1988/12	11/09/2020	Licence amendment to include additional dewatering activities, Milky Way Pit as emission point and reinstatement of rainwater drainage.
L5529/1988/12	22/12/2021	Licence amendment to allow deposition into CTSF1 and CTSF2. Additional groundwater monitoring wells and seepage recovery bores added to the licence.
L5529/1988/12	03/06/2022	Licence amendment to increase category 6 dewatering capacity and modify emission points and sources.
L5529/1988/12	18/04/2023	Licence amendment to modify category 6 dewatering emission points and sources.
L5529/1988/12	12/12/2024	Licence amendment to • include Category 12: Screening etc. of material • include Category 57: Used tyre storage (general)

		• an adjustment to the boundary of the prescribed premises • amendments to monitoring conditions; and • inclusion of all pits as dewatering and discharge points.
L5529/1988/12	19/06/2025	Amended the licence expiry date for five years.
L5529/1988/12	7/04/2026	Licence amended to: • include construction and operation of a second ore processing circuit resulting in an increase in Category 5 throughput from 2.4 million to 5.5 million tonnes per annual period; and • changes to the operational heights of CTSF1 & CTSF2.

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

1 Licence conditions

1 General

1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

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

'Anniversary Date' means 30 June of each year;

'Annual Audit Compliance Report' means a report in a format approved by the CEO as presented by the licence holder or as specified by the CEO from time to time and published on the Department's website;

'Annual Period' means the inclusive period from 1 July until 30 June in the following year;

'APHA' means the American Public Health Association: Standard Methods for the Examination of Water and Wastewater;

'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;*

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters;*

'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;

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 10
JOONDALUP DC WA 6027
Telephone: (08) 6367 7000 Facsimile: (08) 6367 7001
Email: info@dwer.wa.gov.au

'clean fill' has the meaning defined in the Landfill Definitions;

'Department' means the department established under s.35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Division 3 Part V of the *Environmental Protection Act 1986*;

'Environmental Compliance Report' means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the licence.

'extreme rainfall event' means a 1 in 100 year rainfall event that has a duration greater than 72 hours;

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

'Inert Waste Type 1' has the meaning defined in the Landfill Definitions;

'Inert Waste Type 2' has the meaning defined in the Landfill Definitions;

'Landfill Definitions' means the document titled "Landfill Waste Classification and Waste Definitions 1996' published by the Chief Executive Officer of the Department of Environment Regulation as amended from time to time;

'Licence' means this Licence numbered L5529/1988/12 and issued under the Act;

'Licence holder' means the person or organisation named as licence holder on page 1 of the Licence;

'mbgl' means metres below ground level;

'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;

'Putrescible Waste' has the meaning defined in the Landfill Definitions;

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

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

'Special Waste Type 1' has the meaning defined in the Landfill Definitions;

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

'Suitably qualified civil or structural engineer' means a person who: holds a Bachelor of Engineering degree recognised by Engineers Australia; and has a minimum of five years of experience working in a supervisory role of geotechnical engineering; and is employed by an independent third party external to the Works Approval Holder's business; or is otherwise approved in writing by the CEO to act in this capacity.

'TSF' means Tailing Storage Facility; and

'WAD cyanide' means cyanide species liberated at moderate pH of 4.5.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

1.3 Premises operation

1.3.1 The licence holder shall record and investigate the exceedance of any descriptive or numerical limit in this section.

1.3.2 The licence holder shall only accept waste on to the landfill identified in Schedule 1 if:

(a) it is of a type listed in Table 1.3.1;

(b) the quantity accepted is below any quantity limit listed in Table 1.3.1;

(c) it meets any specification listed in Table 1.3.1; and

(d) it conforms to the description in the documentation supplied by the producer and holder.

Table 1.3.1: Waste acceptance[1]

Waste	Quantity limit	Specification
Clean Fill	None specified	None specified
Inert Waste Type 1	10,000 tonnes per annual period	
Putrescible Waste		
Special Waste Type 1		
Inert Waste Type 2	500 used tyres are stored	Tyres and plastics only Storage of tyres shall only take place within the tyre storage areas shown in Schedule 1, Figure 6 Tyres will be stored in batches of not more than 100 tyres. • Separation distance of at least 6 m between each batch of stored tyres.

Note 1: Additional requirements for the acceptance and landfilling of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004.*

1.3.3 The licence holder shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.2, it is stored in a quarantined storage area or container and removed from the premises to an appropriately authorised facility as soon as practicable.

1.3.4 The licence holder shall ensure that wastes accepted onto the premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.

Table 1.3.2: Waste processing

Waste type	Process(es)	Process limits[1, 2]
Clean fill	Receipt, handling, associated storage and disposal of waste by landfilling	The licence holder shall: • ensure landfilling only takes place within a defined trench or within an area enclosed by earthen bunds; • manage the active landfill area such that at no time does landfilling result in the tipping face exceeding two metres in height; • ensure the tipping area is restricted to a linear length no greater than 30 metres;
Inert Waste Type 1		
Inert Waste Type 2		
Putrescible waste		

Special Waste Type 1		• ensure no asbestos waste or material containing asbestos waste is deposited within two metres of the final tipping surface of the landfill; and • ensure any existing asbestos waste or material containing asbestos deposited at the landfill remains undisturbed.

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.
Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

1.3.5 The licence holder shall ensure that cover is applied to waste in the tipping area in accordance with Table 1.3.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.3.3: Cover requirements

Waste type	Material	Depth	Timescales
Inert Waste Type 1	No cover required		
Inert Waste Type 2	Type 1 Inert Waste or Clean fill	100mm	Immediately once the number of disposed whole tyres reaches 100
Putrescible Waste		A minimum of 200 mm	Cover shall be applied fortnightly
Special Waste Type 1	Type 1 Inert Waste or Clean fill	A minimum of 1,000 mm	Immediately by supervised covering of the waste following deposition

1.3.6 The licence holder shall ensure that any waste that has been blown outside the active landfill area is collected and returned to the tipping area on a weekly basis.

1.3.7 The licence holder must ensure that no waste is burnt on the premises.

1.3.8 The licence holder must immediately notify the CEO of:

(a) any fire on the premises; and/or

(b) any incident, malfunction, or emergency which results or could result in the discharge of fire-fighting wash water or other wastes from the premises

1.3.9 The licence holder shall ensure that all pipelines containing environmentally hazardous substances, including but not limited to tailings, saline/hypersaline water, return/process water and chemicals 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.

1.3.10 The licence holder shall ensure that waste materials are discharged into dams and pits with the relevant infrastructure requirements and at the location specified in Table 1.3.4 and identified in Schedule 1.

Table 1.3.4: Containment infrastructure		
Containment point reference	**Material**	**Infrastructure and/or operational requirements**
CTSF1 and CTSF2	Tailings	• CTSF1 maximum operating height: 488.0m RL; • CTSF2 maximum operating height: 485.0m RL; • Measures to prevent or minimise dust generated from surface of the tailings storage facility installed; • Bores T2RB08, T2RB09, T2RB10, T2RB11 and T2RB12 (as shown in Schedule 1, Figure 9) are maintained to recover any liquid matter resulting from seepage; • Maintain a minimum 500 mm total freeboard (including an allowance for the 1% annual exceedance probability [AEP] 72-hour rain event) above the normal operating pond; • Return seepage to the process plant; and • Minimise the size of the supernatant pond as far as possible.
CTSF3	Tailings	• CTSF3 maximum operating height 487.5m RL; • Measures to prevent or minimise dust generated from surface of the tailings storage facility installed; • A seepage interceptor drain is maintained immediately downstream of the external toe of the tailings dam to recover any liquid matter resulting from seepage or breach of the embankment; • Any matter collected in interceptor drain(s) shall be returned to either the tailings dam, an evaporation dam or used in the processing plant; • Seepage recovery bores T3RB1, T3RB2A, T3RB3, T3RB4, T3RB4A, T3RB6 and T3RB7 (as shown in Schedule 1, Figure 9) are maintained to recover any liquid matter resulting from seepage; and • Maintain a minimum 500mm total freeboard (including an allowance for the 1% annual exceedance probability [AEP] 72-hour rain event) above the normal operating pond.
Process Water Dams x 3	Dewatering effluent water and seepage recovery water	• A minimum top of embankment freeboard of 300 mm is maintained; and • Lined to achieve a permeability of 10^{-9} m/s or less.
Ruby Queen pit	Dewatering effluent	A minimum freeboard of 2 m is maintained in order to accommodate an extreme rainfall event.
Hesperus pit		
Saturn pit		
Titan pit		
Blackcat South pit		
Boomer pit		

Table 1.3.4: Containment infrastructure		
Containment point reference	**Material**	**Infrastructure and/or operational requirements**
Franks Tower pit		
Milky Way pit		

1.3.11 The licence holder shall:

(a) undertake inspections as detailed in Table 1.3.5;
(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 1.3.5: Inspection of infrastructure		
Scope of inspection	**Type of inspection**	**Frequency of inspection**
Tailings delivery pipelines	Visual integrity	Daily when operational
Return water lines		
Dewatering pipelines		
TSF Embankment freeboard	Visual to confirm required freeboard capacity is available.	Daily when operational
Franks Tower pit		
Ruby Queen pit		
Hesperus pit		
Saturn pit		
Titan pit		
Boomer pit		
Blackcat South pit		
Milky Way pit		

1.3.12 The licence holder shall ensure the limits specified in Table 1.3.6 are not exceeded.

Table 1.3.6: Production or design capacity limits		
Category[1]	**Category description[1]**	**Premises production or design capacity limit**
5	Processing or beneficiation of metallic or non-metallic ore	5,500,000 tonnes per annual period
6	Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.	3,100,000 tonnes per annual period
12	Screening etc. of material	200,000 tonnes per annual period
57	Used tyre storage (general)	500 used tyres
64	Class II putrescible landfill site	10,000 tonnes per annual period

Note 1: *Environmental Protection Regulations 1987,* Schedule 1.

1.4 Construction phase

1.4.1 The Licence Holder must:

(a) construct and/or install the infrastructure and/or equipment:
(b) in accordance with the corresponding design and construction / installation requirements; and

(c) at the corresponding infrastructure location as set out in Table 1.4.1.

Table 1.4.1: Design and construction / installation requirements

Item	Site infrastructure and equipment	Design and construction/ Installation requirements	Infrastructure location
1.	Mobile crushing and screening plant: • Feeding hopper • Mobile jaw crusher • Feeding and stockpile conveyors • Screening unit • Secondary impact crusher • Vibrating screen	a) Installed, constructed, and maintained as per the manufacturer's/design requirements. b) Mobile machinery to be remained on established tracks. c) Water trucks to be available at all times during construction activities to mitigate dust emissions.	Schedule 1: Maps, Figure 5
2.	Service truck with diesel engine	a) Equipment pre-start and use in line with manufacturer's specifications. b) Spill kits to be available or nearby to areas where there is a risk of hydrocarbon spill.	
3.	Checker Processing Plant upgrade and refurbishment infrastructure	a) Layout of new and refurbished infrastructure to be in accordance with Figures 7 & 8, Schedule 1. b) Circuit 1 infrastructure upgrade to include: ▪ Installation of a refurbished 1,650 kW ball mill ▪ Installation of a new leach thickener ▪ Converting existing 3 x 1,000 m^3 adsorption tanks to leach tanks c) Circuit 2 infrastructure installation to include: ▪ New crushing station including C150 jaw crusher, apron feeder and vibrating grizzly screen ▪ Refurbished 6.5 MW Semi-Autogenous Grinding (SAG) mill ▪ New pebble crushing circuit ▪ New 3,500 kW ball mill ▪ Refurbished cyclone cluster consisting of 16 x Weir CAVEX 250CX10 cyclones	Schedule 1: Maps, Figure 7 & 8

		▪ Refurbished gravity circuit and CS1000 leach reactor ▪ 2 x 3,000 m^3 leach tanks d) Refining and services infrastructure installation to include: ▪ 6 x refurbished 1,500 m^3 adsorption stages with pumped inter-tank screens ▪ A refurbished split Anglo American Research Laboratory (AARL) elution system with carbon regeneration kiln ▪ A refurbished gold room with electrowinning and smelting facilities ▪ New carbon safety screen ▪ New hi-rate tailings thickener ▪ New flocculant mixing and dosing system ▪ 2 new process water dams lined with HDPE of a minimum thickness of 0.7mm (1 x 10,000 m^3 and 1 x 6,000 m^3 in size). ▪ Associated process water pipelines connecting new and existing infrastructure. e) All pipelines transferring process water or tailings are to be equipped with either telemetry, automatic cutouts or located within secondary containment f) Internal and perimeter drainage systems to be constructed around the processing plant to divert clean stormwater away from the area and to capture all potentially contaminated stormwater to prevent it from being released into the environment. g) Water sprays for dust suppression to be installed on all crusher and transfer points h) Water sprays to be installed to manage dust emissions from coarse ore stockpiles i) Water trucks to be available at all times during construction activities to mitigate dust emissions.	

1.4.2 The licence holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1.4.1 being mobilised/installed/constructed:

(a) undertake an audit of their compliance with the requirements of condition 1.4.1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

1.4.3 The Environmental Compliance Report required by Condition 1.4.2, must include as a minimum the following:

(a) certification by a suitably qualified professional engineer or a third-party crushing/screening plant operator and fitter, that each item of infrastructure specified in Condition 1.4.1, Table 1.4.1 has been constructed in accordance with the relevant requirement in Table 1.4.1;

(b) as constructed plans, photographs and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1.4.1; and

(c) be signed by a person authorised to represent the licence holder and contains the printed name and position of that person.

1.5 Operational Requirements

1.5.1 The licence holder must ensure that the site infrastructure and equipment listed in Table 1.5.1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.5.1.

Table 1.5.1: Operational requirements

Item	Site infrastructure and equipment	Operational requirements	Infrastructure location
1.	Mobile crushing and screening plant Front-end Loader Service truck with diesel engine	• Maintain all mobile equipment as per manufacturer's specifications. • Equipment pre-start and use in line with manufacturer's specifications.	Schedule 1: Maps, Figure 5
		Dust controls: Water trucks to be utilised at all times during operational period activities to mitigate dust emissions.	
		Stormwater and leachate controls: Spill kits shall be positioned near areas where there is a potential risk of hydrocarbon spill.	
2.	Checker Processing Plant and associated infrastructure	• Water sprays to be maintained and operated on crushing and transfer points to mitigate dust emissions; • Water sprays to be maintained and operated on ore stockpiles to minimise dust lift-off • Water trucks to be utilised at all times during operational period activities to mitigate dust emissions • All contaminated or potentially contaminated stormwater from within processing or ore stockpile areas to be captured and prevented from being released into the environment. • All reagents, chemicals and hydrocarbons to be stored within concrete hardstand areas that are fully bunded to capture any spill or leak.	Schedule 1: Maps, Figure 7 & 8

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.

2.2.1 Point source emissions to groundwater

2.2.1 The licence holder shall ensure that where waste is emitted to groundwater from the emission point 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 groundwater

Emission point reference	Description	Source including abatement
Hesperus Pit	Dewatering wastewater discharge into disused mine pits.	Water from dewatering various open pit voids and underground operations within the prescribed premises.
Saturn Pit		
Titan Pit		
Franks Tower Pit		
Ruby Queen Pit		
Blackcat South Pit		
Milky Way Pit		
Boomer Pit		

3 Monitoring

3.1 General monitoring

3.1.1 The licence holder shall ensure that:
- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- (b) groundwater samples for the monitoring of WAD cyanide are collected and preserved in accordance with APHA;
- (c) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
- (d) all groundwater sampling is conducted in accordance with AS/NZS 5667.11;
- (e) 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) quarterly monitoring is undertaken at least 45 days apart;
- (b) biannual monitoring is undertaken at least 5 months 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 groundwater

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 groundwater

Emission point reference as located in Schedule 1	Parameter	Units	Averaging Period	Frequency
Dewatering discharge outlets into the Blackcat South, Ruby Queen, Hesperus pit, Saturn pit, Titan pit, Boomer pit, Milky Way pit and Franks Tower pit	Aluminium Antimony Arsenic Bismuth Boron Cadmium Chromium Cobalt Copper Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Total recoverable hydrocarbons; and Zinc Nitrate	mg/L	Spot sample	Annually[3]
Dewatering discharge outlets into the Blackcat South, Ruby Queen, Milky Way pits, Hesperus pit, Saturn pit, Titan pit, Boomer pit, Milky Way pit and Franks Tower pit	Volumetric flow rate	m^3/month		Totalised monthly volume
	Standing water level in pits	mbgl		Quarterly[2]
	Total dissolved solids and Total Nitrogen	mg/L		
	pH[1]	-		

Note 1: In-field non-NATA accredited analysis permitted.
Note 2: Quarterly monitoring is undertaken at least 45 days apart.
Note 3: Annual monitoring is undertaken at least 9 months apart

3.3 Process monitoring

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: Process monitoring

Monitoring point reference	Parameter	Units	Frequency	Method
CTSF1	Volume of tailings deposited into CTSF1	m^3 tonnes	Continuous	None specified
	Volume of water deposited into CTSF1	m^3	Continuous	None specified

CTSF2	Volume of tailings deposited into CTSF2	m^3 tonnes	Continuous	None specified
	Volume of water deposited into CTSF2	m^3	Continuous	None specified
CTSF3	Volume of tailings deposited into the CTSF3	m^3 tonnes	Continuous	None specified
	Volume of water recovered from the CTSF3	m^3	Continuous	None specified

3.4 Ambient environmental quality monitoring

3.4.1 The licence holder shall undertake the monitoring in Table 3.4.1 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 3.4.1: Monitoring of ambient groundwater quality

Monitoring point reference and location	Parameter	Limit	Units	Averaging period	Frequency
CTDP2D, TRB001, T3MB1, T3MB2, T3MB4, T3MB5, T3MB6, T3RB01, T3MB07, T3MB8, T3MB9 and T3MB10	Aluminium	5.0	mg/L	Spot sample	Annually[2]
	Arsenic	0.5			
	Cadmium	0.08			
	Chromium (+6)	1.0			
	Cobalt	1.4			
	Copper	0.5			
	Lead	0.4			
	Mercury	0.11			
	Molybdenum	0.05			
	Nickel	1.0			
	Selenium	0.08			
	Zinc	20.0			
	Electrical conductivity	-	-		Quarterly[4]
	Standing water level (SWL)[1]	-	m bgl		
	Total dissolved solids	-	mg/L		
	pH[1]	6.0 to 9.0	pH units		
T2MB02, T2MB07, T2MB08	Aluminium	-	mg/L		Annually[2]
	Arsenic	-			
	Cadmium	-			
	Chromium (+6)	-			
	Cobalt	-			
	Copper	-			
	Lead	-			
	Mercury	-			
	Molybdenum	-			
	Nickel	-			
	Selenium	-			
	Zinc	-			
	Electrical conductivity	-	-		Quarterly[4]
	Standing water level (SWL)[1]	4	m bgl		
	Total dissolved solids	-	mg/L		
	pH[1]	-	pH units		
T2MB09	Aluminium	5.0	mg/L		Quarterly[4]
	Arsenic	0.5			
	Cadmium	0.08			
	Chromium (+6)	1.0			
	Cobalt	1.4			

Table 3.4.1: Monitoring of ambient groundwater quality					
Monitoring point reference and location	**Parameter**	**Limit**	**Units**	**Averaging period**	**Frequency**
	Copper	0.5			
	Lead	0.4			
	Mercury	0.11			
	Molybdenum	0.05			
	Nickel	1.0			
	Selenium	0.08			
	Zinc	20.0			
	Electrical conductivity	-	-		
	Standing water level (SWL)[1]	4	m bgl		
	Total dissolved solids	-	mg/L		
	Nitrate	-	mg/L		
	pH[1]	6.0 to 9.0	pH units		
HWB01 (Hesperus pit monitoring bore)	Aluminium	-	mg/L		Biannually[3]
	Arsenic	-			
	Boron	-			
	Cadmium	-			
	Chromium (+6)	-			
	Cobalt	-			
	Copper	-			
	Lead	-			
	Mercury	-			
	Molybdenum	-			
	Nickel	-			
	Selenium	-			
	Zinc	-			
	Electrical conductivity	-	-		
	Standing water level (SWL)[1]	4	m bgl		
	Total dissolved solids	-	mg/L		
	Nitrate	-			
	pH[1]	-	pH units		
CTDP2D, TRB001, T3MB1, T3MB2, T3MB4, T3MB5, T3MB6, T3RB01, T3MB07, T3MB8, T3MB9 and T3MB10 T2MB02, T2MB03, T2MB04, T2MB05, T2MB06, T2MB07, T2MB08, T2MB09	Total cyanide	-	mg/L		Quarterly[4]
	Weak acid dissociable cyanide (WAD cyanide)	0.5			
PHMB3 and PHMB4	Total recoverable hydrocarbons	-	mg/L		

Note 1: In-field non-NATA accredited analysis permitted. SWL shall be determined prior to collection of other water samples. Note 2: Undertaken at least 9 months apart. Note 3: Undertaken at least 5 months apart. Note 4: Undertaken at least 45 days apart

3.5 Water balance

3.5.1 The licence holder must undertake monitoring of the water balance for CTSF1, CTSF2 and CTSF3 each quarterly period, and (as a minimum) record the following information:

(a) Site rainfall;
(b) Evaporation rate;
(c) Decant water recovery volumes;
(d) Volume of tailings deposited;
(e) Estimate of seepage losses; and
(f) Volume of seepage recovered by seepage recovery bores and seepage recovery infrastructure.

3.5.2 The licence holder must undertake monitoring of the water balance for Milky Way each quarterly period, and (as a minimum) record the following:

(a) Site rainfall;
(b) Evaporation rate;
(c) Volume of dewater discharged to the pit; and
(d) Estimate of any seepage losses.

4 Information

4.1 Records

4.1.1 All information and records required by the licence holder shall:

(a) be legible;
(b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
(c) 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
(d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
    (i) off-site environmental effects; or
    (ii) matters which affect the condition of the land or waters.

4.1.2 The licence holder must submit to the CEO within 90 days after the Anniversary Date, an Annual Audit Compliance Report indicating the extent to which the licence holder has complied with the Conditions of this Licence for the 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**
-	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
-	Brief overview of the premises and its processes and a current plan of the premises	None specified
-	A TSF seepage management summary, including the following at a minimum: (a) A summary regarding the performance and effectiveness of seepage management infrastructure including actual efficiencies of seepage recovery bores; (b) An interpretive summary and assessment of monitoring data collected for condition 3.4.1, including any breaches of the limits specified in Table 3.4.1 and comparison with the earliest available historical results; (c) Trend graphs for monitoring data as required by (b) to support the interpretive summary. Trend graphs for each parameter in Table 3.4.1 must include relative data from at least the last three (3) years, where available. (d) Any updates to the seepage management plan based on performance of seepage recovery infrastructure or in response to breaches to the limits specified in Table 3.4.1. This includes any proposed actions and the timeframes for which they will be undertaken.	None specified
Table 3.2.1	Specified monitoring of point source to groundwater	None specified
Table 3.3.1	Volumes of tailings deposited into the CTSF1, CTSF2 and CTSF3	None specified
Table 3.4.1	Monitoring of ambient groundwater quality. Comparison of T2MB09 to drinking water guidelines.	None specified
3.5.2	Water balance summary for Milky Way pit	None specified
3.5.1	Water balance summary for CTSF1, CTSF2 and CTSF3	None specified
4.1.2	Compliance	Annual Audit Compliance Report (AACR)
4.1.3	Complaints summary	None specified

4.2.2 The licence holder shall ensure that the Annual Environmental Report also contains 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**
-	Copies of original monitoring reports submitted to the licence holder by third parties	Not Applicable	Within 14 days of the CEOs request	As received by the licence holder from third parties

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[2]**
2.1.1 and 3.4.1	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	N1

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act
Note 2: Forms are in Schedule 2

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below. The black lines depict the Premises boundary.

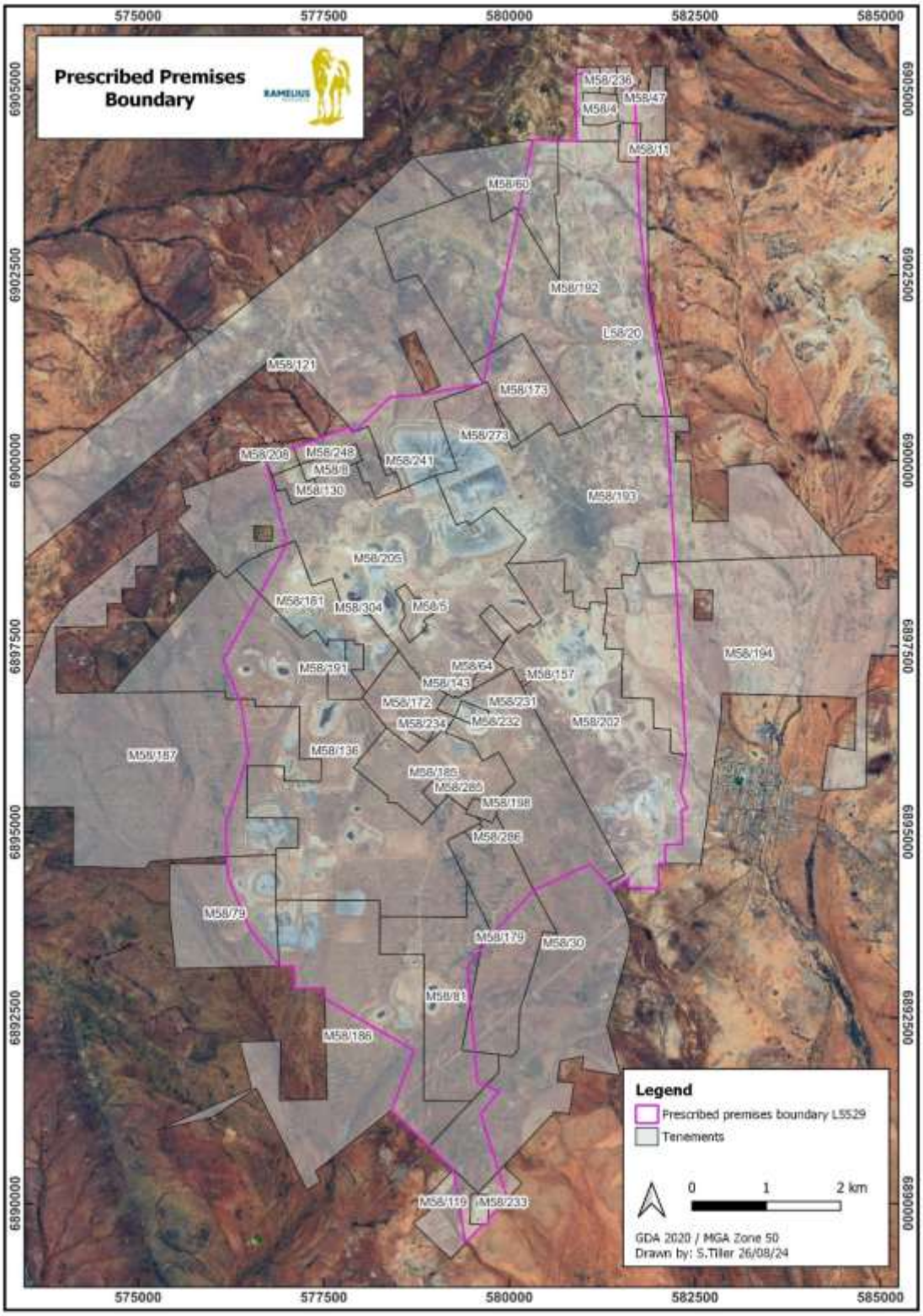

Figure 1: Prescribed premises boundary

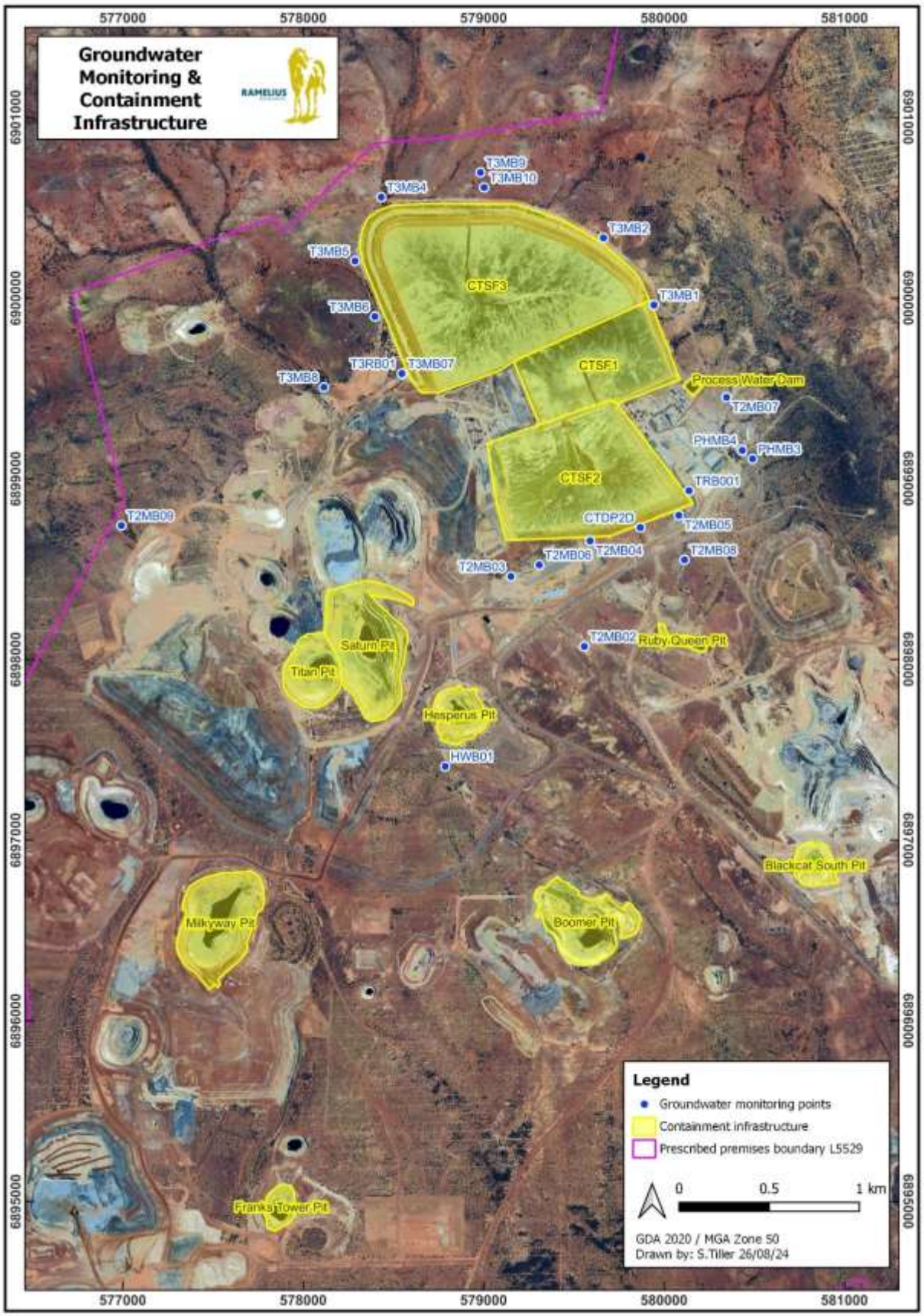

Figure 2: Monitoring points as specified in Table 3.4.1

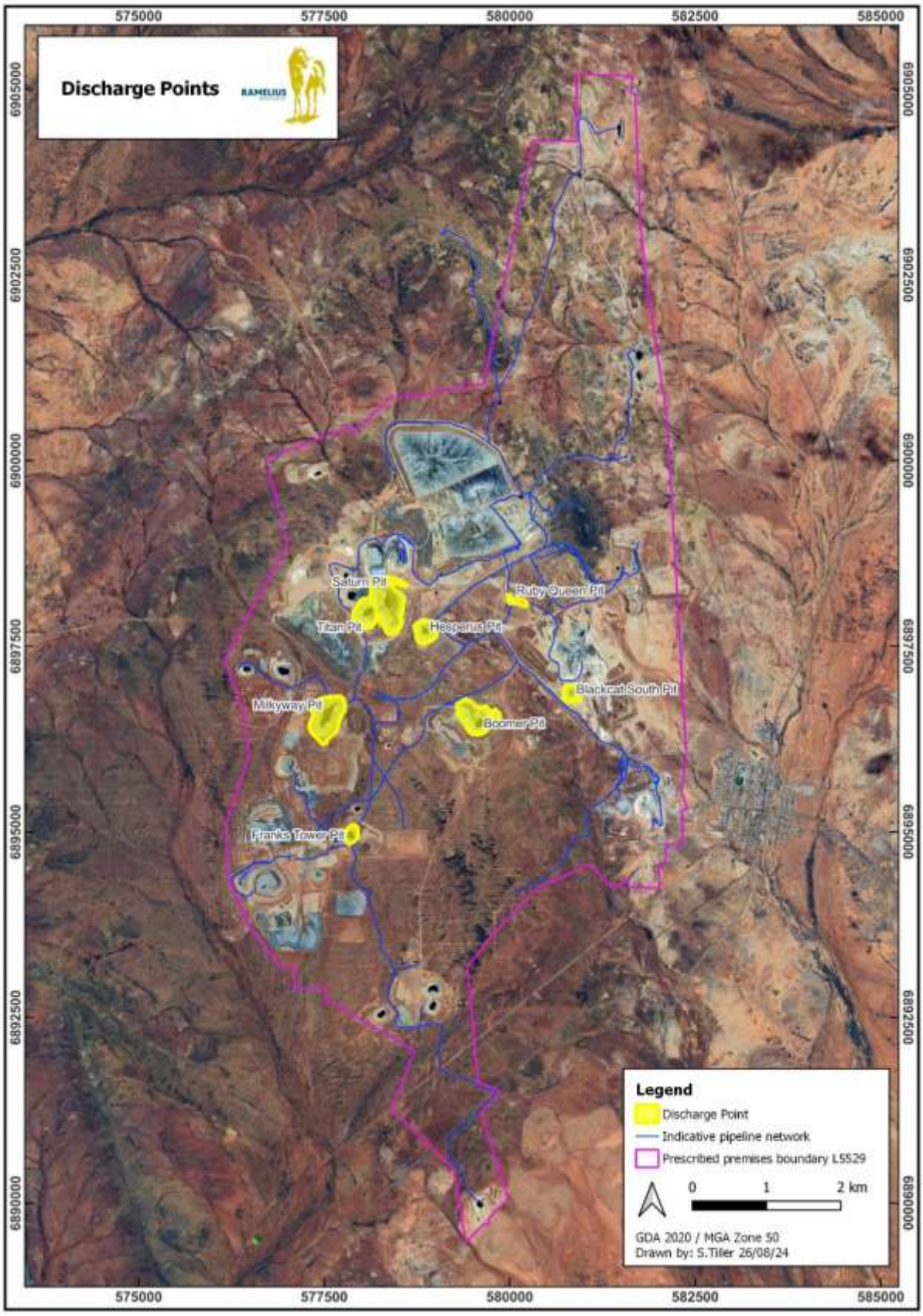

Figure 3: Amended abstraction and discharge points as specified in Table 3.2.1 with indicative pipeline network

Landfill Area Map

The areas in which the disposal of waste by landfilling may take place is show in the map below.

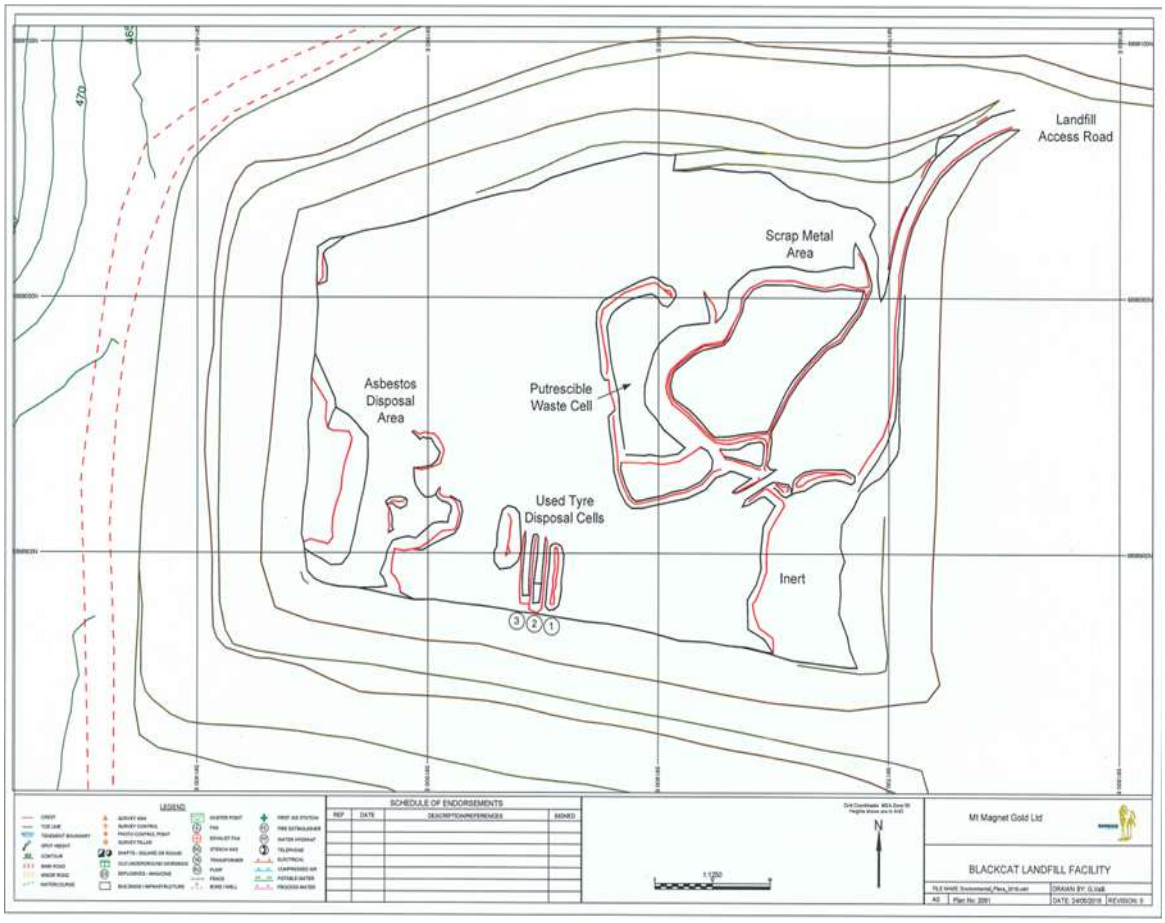

Figure 4: Landfill Area Map

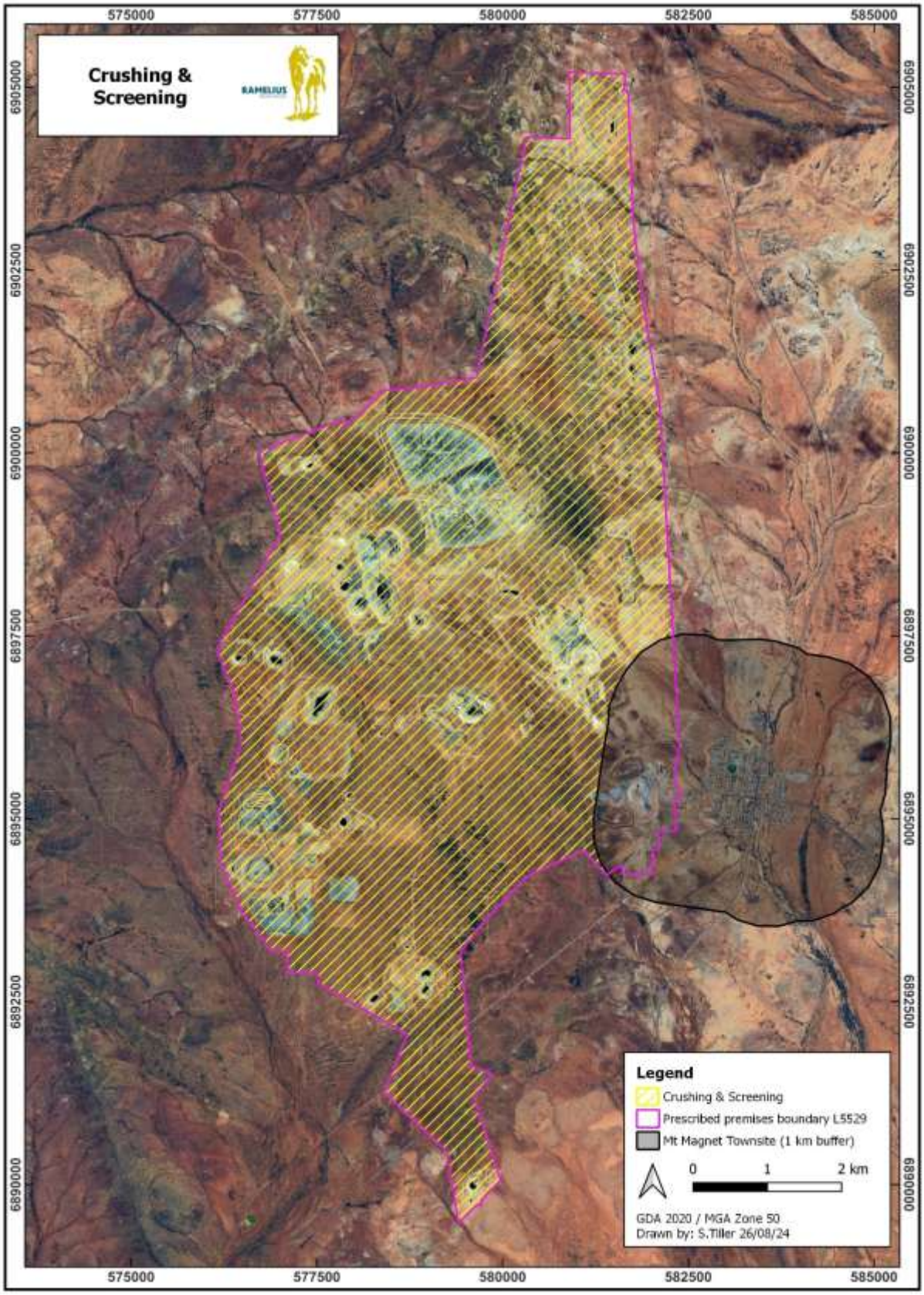

Figure 5: Prescribed Premises Exclusion Area (1 km buffer from the Mt. Magnet Town) for Category 12 Operations

Figure 6: Indicative locations for landfill burial and tyre storage for category 64 and 57

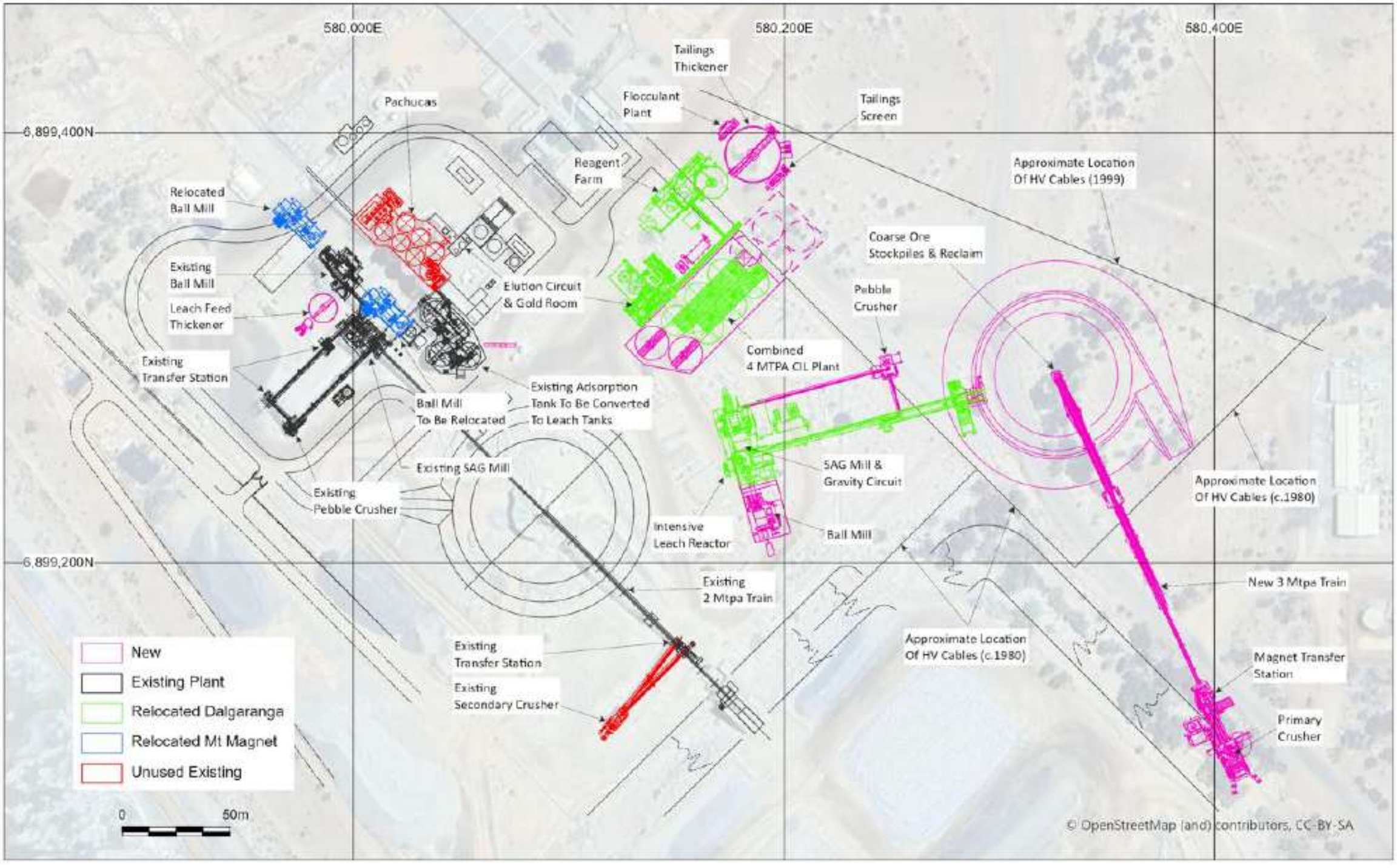

Figure 7: Layout 1 of new infrastructure at the Checker Processing Plant

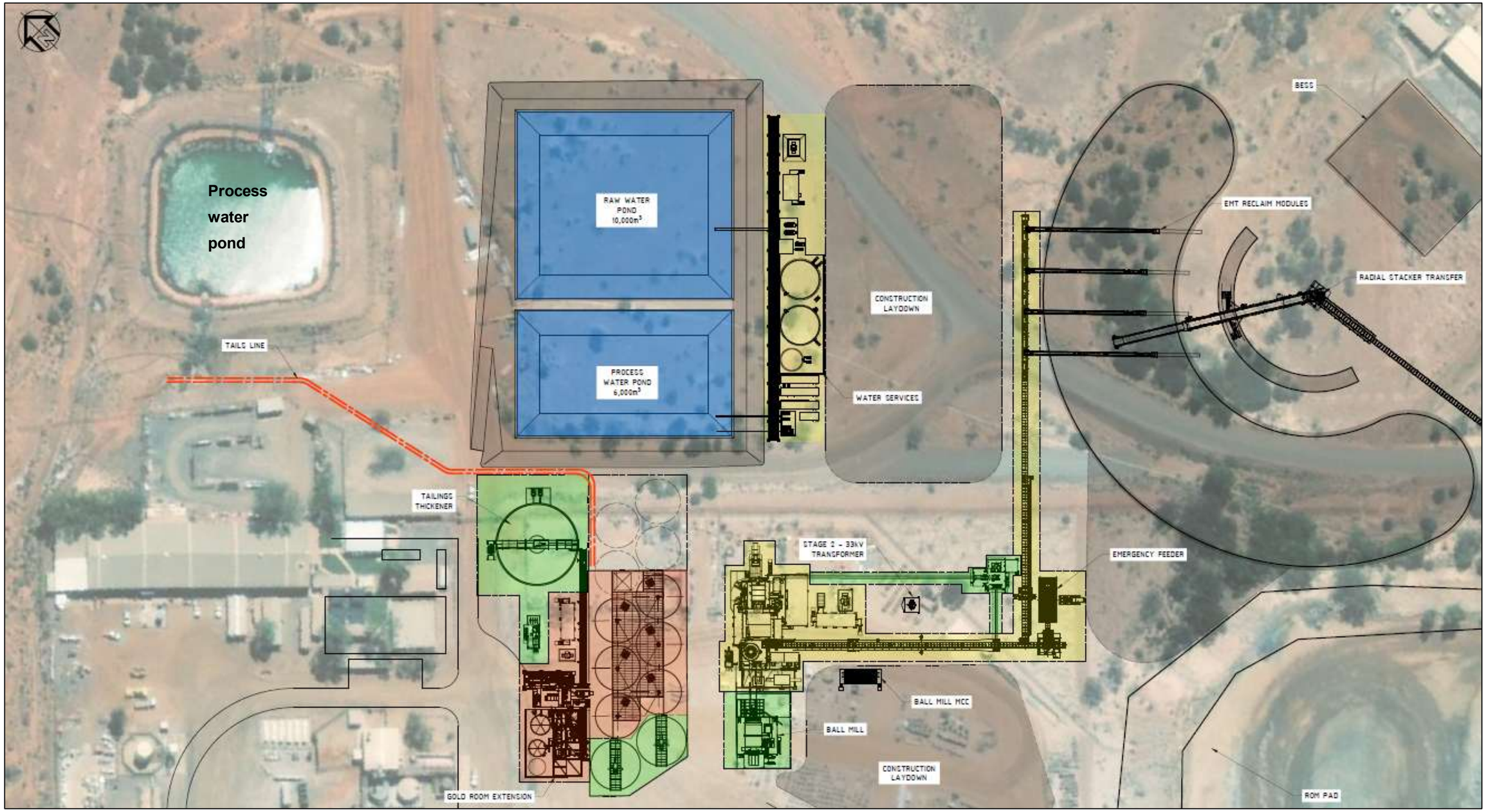

Figure 8: Layout 2 of new infrastructure at the Checker Processing Plant

Figure 9: Recovery bore locations

Schedule 2: Notification and forms

Licence: L5529/1988/12 Licence holder: Mt Magnet Gold Pty Ltd
Form: GR1 Period :

Name: Monitoring of point source emissions to groundwater

Emission point	Parameter	Result	Averaging period	Sample date & times
Dewatering discharge into [specify which outlet]	Volumetric flow rate	m^3/day	Monthly	
	Standing water level	mbgl	Spot sample	
	pH	-		
	Arsenic	mg/L		
	Aluminium	mg/L		
	Antimony	mg/L		
	Boron	mg/L		
	Cadmium	mg/L		
	Chromium	mg/L		
	Copper	mg/L		
	Iron	mg/L		
	Lead	mg/L		
	Manganese	mg/L		
	Mercury	mg/L		
	Molybdenum	mg/L		
	Nickel	mg/L		
	Nitrate	mg/L		
	Selenium	mg/L		
	Total dissolved solids	mg/L		
	Total nitrogen	mg/L		
	Total recoverable hydrocarbons	mg/L		
	Zinc	mg/L		

Signed on behalf of Mt Magnet Gold Pty Ltd: ..... Date:

Licence: L5529/1988/12 licence holder: Mt Magnet Gold Pty Ltd
Form: N1 Date of breach:

Notification of detection of the breach of a limit.
These pages outline the information that the operator must provide.
Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Mt Magnet Gold Pty Ltd	
Date	