Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number L8569/2011/2

Licence holder Northern Star (Carosue Dam) Pty Ltd

ACN 116 649 122

Registered business address Level 4, 500 Hay Street
SUBIACO WA 6005

DWER file number INS-0001736

Duration 07/07/2015 to 06/07/2031

Date of issue 18/06/2015

Date of amendment 29/10/2025

Premises details Porphyry Gold Mine

Legal description –

Part of mining tenements M31/3, M31/4, M31/5, M31/6, M31/30, M31/76, M31/380, M31/381, L31/44, L31/59, L31/62, L31/63, L31/45 and M31/172

MENZIES WA 6436

As defined by the premises maps in Schedule 1

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed production capacity**
Category 5: Processing or beneficiation of metallic or non-metallic ore	600,000 tonnes per annual period
Category 6: Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore	3 000 000 tonnes per annual period
Category 12: Screening etc. of material	300,000 tonnes per annual period
Category 63: Class I inert landfill site.	Not more than 5 000 tonnes per annual period
Category 64: Class II putrescible landfill site	Not more than 9 500 tonnes per annual period
Category 73: Bulk storage of chemicals, etc.	Not more than 880 m^3 in aggregate
Assessed activities directly related to the above categories	
Remediation of hydrocarbon contaminated soil generated on site at a bioremediation facility.	

This amended licence is granted to the licence holder, subject to the attached conditions, on 29 October 2025

Tanya Johnston
A/MANAGER, RESOURCE INDUSTRIES
STATEWIDE DELIVERY (ENVIRONMENTAL REGULATION)
Officer delegated under section 20 of the *Environmental Protection Act 1986*

Licence history

The licence and work approvals issued for the premises are:

Date	Reference number	Summary of changes
12/06/2009	W4536/2009/1	Works approval for the infrastructure and assessment of dewatering Porphyry pit to Lake Rebecca.
12/06/2009	W4614/2009/1	Works approval to allow construction of pipeline to Million Dollar pit and onto Lake Rebecca.
06/05/2010	W4649/2010/1	Works approval for Wallbrook dewatering project. Amended in May 2013 to extend the expiry date until May 2016.
27/05/2011	W4909/2011/1	Works approval for the Million Dollar project. Amended in April 2014 to extend the expiry until May 2018.
07/07/02011	L8569/2011/1	New licence issued.
18/06/2015	L8569/2011/2	Licence re-issue and amendment to REFIRE format.
29/04/2016	L8569/2011/2	Notice of amendment to extend the expiry date of the licence.
16/03/2020	L8569/2011/2	Licence amended to add Category 64 and Category 73 to the licence.
08/10/2021	L8569/2011/2	Transfer of licence from Saracen Gold Mine Pty Ltd to Northern Star (Carosue Dam) Pty Ltd. Administrative amendments limited only to format and appearance of licence and correction of clerical mistakes and unintentional errors.
13/01/2022	L8569/2011/2	Licence amendment to construct new dewatering pipelines from Porphyry pit to Margaret's and Enterprise pits, increase dewatering production capacity and increase hydrocarbon storage capacity
21/10/202210/29/2025	L8569/2011/2	Licence amendment to: a) Decrease freeboard limit at Margaret's pit from 6 to 1 mbgl; b) Additional Category 64 landfill on Porphyry/Maingays waste rock dump; and c) Addition of bioremediation facility as an assessed activity.
29/11/2023	L8569/2011/2	Licence amendment to: a) Expand the prescribed premise boundary to include mining tenements L31/45 and M31/152 (Wallbrook operations area) b) Include Million Dollar pit, Eleven Bells pit, Redbrook pit and Red Flag pit as dewatering effluent discharge locations. c) Add a Category 63 inert landfill on Wallbrook waste dump and Enterprise waste rock dump d) Additional turkey's nest for storage of dewater at Wallbrook and Enterprise operational areas.

Date	Reference number	Summary of changes
		e) Include bulk fuel storage at Wallbrook and Enterprise operational areas
29/10/2025	L8569/2011/2	Licence amendment to: a) Add Category 5 and Category 12 to the licence b) Add operation of mobile crushing and screening infrastructure c) Administrative amendments to update licence layout

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.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

Infrastructure construction

1. The licence holder must:

(a) construct the infrastructure and/or equipment;

(b) in accordance with the corresponding design and construction requirements; and

(c) at the corresponding infrastructure location; and

(d) as set out in Table 1.

Table 1: Infrastructure and equipment design and construction requirements

	Infrastructure/equipment	Requirements (design and construction)	Site plan reference
1.	Mine dewatering turkey's nest dam 2	Lined with a 1.0 mm UV resistant HDPE liner; Designed to provide a 300 mm freeboard; and Fauna egress ladders/nets to be installed at each corner of turkey's nest.	Schedule 1, Figure 5
2.	Mine dewatering turkey's nest dam 3	Lined with a 1.0 mm UV resistant HDPE liner; Designed to provide a 300 mm freeboard; and Fauna egress ladders/nets to be installed at each corner of turkey's nest.	Schedule 1, Figure 5
3.	Class II landfill	Maximum dimension of trenches to be 25x5x4m (LxWxD); and To be constructed within the footprint of the Porphyry / Maingays waste rock dump as shown within Schedule 1, Figure 7.	Within the footprint of the waste rock dump Schedule 1, Figure 7
4.	Bioremediation facility	Maximum dimension of bio pads to be 10x10x1m (LxWxD); Lined with 1.0 mm (or greater) HDPE; Drainage directed away from facility; Walls of facility maintained to be higher than 100mm than the material stored; To be constructed within the footprint of a waste rock dump areas as shown within Schedule 1, Figure 7; and All controls must be installed on any new bioremediation facility.	Within the footprint of the waste rock dump Schedule 1, Figure 7

	Infrastructure/equipment	Requirements (design and construction)	Site plan reference
5.	Class 1 landfill (Wallbrook)	Maximum dimension of trenches to be 25 x 5 x 4m (LxWxD); Only one trench to be open at a time; and To be constructed within the footprint of the Wallbrook waste rock dump as shown within Schedule 1, Figure 9.	Within the footprint of the waste rock dump Schedule 1 Figure 9
6.	Mine dewatering turkey's nest dam 5 (Enterprise)	Lined with a 1.0 mm UV resistant HDPE liner; Designed to provide a 300 mm freeboard; and Fauna egress ladders/nets to be installed at each corner of turkey's nest.	Schedule 1, Figure 10
7.	Class 1 landfill (Enterprise)	Maximum dimension of trenches to be 8x2x2m (LxWxD); Only one trench to be open at a time; and To be constructed within the footprint of the Enterprise waste rock dump as shown within Schedule 1, Figure 10.	Within the footprint of the waste rock dump Schedule 1 Figure 10
8.	Bulk fuel storage (Wallbrook)	2 x double-skinned and self-bunded 110kl diesel storage tanks, fitted with smart fill key system for accurate recording of usage.	Located in area detailed as fuel storage in Figure 9.
9.	Bulk fuel storage (Enterprise)	2 x double-skinned and self-bunded 110kl diesel storage tanks, fitted with smart fill key system for accurate recording of usage.	Located in area detailed as fuel storage identified in Figure 10.

2. The licence holder must within 30 calendar days of an item of infrastructure or equipment required by Table 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of Table 1; and

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

3. The licence holder must ensure the construction compliance document required by condition 2:

(a) is certified by a qualified engineer stating that each item of infrastructure specified in Table 1 has been constructed in accordance with the conditions of the licence;

(b) as constructed plans or photographs and a detailed site plan for each item of infrastructure or component of infrastructure specified in Table 1; 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.

Infrastructure operation

4. The licence holder must ensure that the site infrastructure and equipment listed in Table 2 and located at the corresponding infrastructure location is maintained and

operated in accordance with the corresponding operational requirement set out in Table 2.

Table 2: Infrastructure operational requirements

	Infrastructure and equipment	Operational requirements	Infrastructure location
1.	Mobile crushing and screening plant	Mobile crushing and screening plant to be operated on compacted hardstand; Dust suppression sprays are to be used at high dust emission points, particularly conveyor transfers and plant feed areas; and Water carts are to be used on unsealed haul roads and stockpiles to prevent dust lift off.	Located in the areas identified in Figure 11
2.	Crushing and screening plant stormwater infrastructure	Earthen bund surrounding operation area designed to capture all stormwater and prevent it from being released into the environment.	Located in the areas identified in Figure 11

Inspection requirements

5. The licence holder must:

(a) undertake inspections as detailed in Table 3;

(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 3: **Inspection of infrastructure**

Scope of inspection	Type of inspection	Frequency of inspection	Location
Dewatering pipelines	Visual integrity	12 hourly when dewatering	Schedule 1, Figure 2, 3, 9, 10
Turkey's nest freeboard	Visual to confirm required 300mm freeboard	Daily	Schedule 1, Figure 5, 9 and 10

Containment infrastructure

6. The licence holder must ensure that hydrocarbons and mine dewater are only stored within vessels or containment cells provided with the infrastructure detailed in Table 4.

Table 4: Containment infrastructure

Containment cell	Material	Infrastructure requirements
Bulk fuel yard within the project area (labelled Porphyry)	C1 combustible liquid (diesel)	Total of 8 x 110 kL self-bunded wrap tanks, located within a concrete/compacted clay or high-density polyethylene lined area; or

Containment cell	Material	Infrastructure requirements
		combination of self-bunded and steel storage tanks with adequate secondary bunding. Fitted with a high-level mechanical float switch.
Mine dewatering turkey's nest dams 1, 2, 3, 4 (Wallbrook), 5 (Enterprise)	Mine dewater	Lined with a 1.0 mm HDPE liner.
Bioremediation facility	Contaminated soil	Bio pads to be maximum 10x10x1m (LxWxD). Lined with 1.0 mm (or greater) HDPE liner. Walls of cells must be maintained to be higher than 100 mm above height of the material stored. Located within the footprint of the waste rock dump areas shown on the location map in Schedule 1, Figure 7 All controls must be installed on any new bioremediation facility.
Bulk fuel storage Enterprise	C1 combustible liquid (diesel)	Total of 2 x double-skinned and self-bunded 110kl diesel storage tanks, fitted with smart fill key system for accurate recording of usage. Located in area detailed as fuel storage identified in Figure 10.
Bulk fuel storage Wallbrook	C1 combustible liquid (diesel)	Total of 2 x double-skinned and self-bunded 110kl diesel storage tanks, fitted with smart fill key system for accurate recording of usage. Located in area detailed as fuel storage in Figure 9.

Emissions and discharges

Dewatering discharges

7. The licence holder must ensure that any saline dewatering effluent shall only be managed in the following manner:

(a) used for dust suppression in a manner that minimises damage to surrounding vegetation;

(b) discharged to previously mined pits approved in accordance with condition 18; or

(c) discharged to Lake Rebecca.

8. The licence holder must undertake an annual assessment of vegetation within the zone of influence of any dewatering discharge lakes when discharge to Lake Rebecca is in operation. The assessment shall:

(a) photograph and record the presence and condition of key vegetation features within the zone of influence;

(b) compare the results of the assessment against previous years assessments and identify whether any deterioration in the presence and/or quality of vegetation has taken place; and

(c) be undertaken by a person suitably qualified in vegetation identification and sampling.

9. During annual periods where discharge to Lake Rebecca occurs, the licence holder must undertake an annual dewatering discharge assessment to show that mine dewatering discharges to the receiving environment are not having any adverse environmental impact. The assessment shall include:

(a) a site description (aerial photographs etc.), including plan showing dewatering discharge point(s);

(b) topographical and meteorological data;

(c) hydrology – catchment, rainfall and evaporation, runoff etc.;

(d) significance of waterbody/watercourse with respect to flora and fauna;

(e) waterbody/watercourse levels as a result of rainfall events (with respect to the seasonality of the waterbody/watercourse);

(f) dewater discharge (volume and quality) as compared to runoff into the waterbody/watercourse and water quality (salt and metals) of the receiving waters;

(g) the area of the waterbody/watercourse likely to be affected by the dewater discharge and effects on waterbody/watercourse levels resulting from the discharge;

(h) the potential for water to flow along/out of the receiving waterbody/water course;

(i) if dewatering occurs to a creek system (permanent or ephemeral), it will also be necessary to consider the consequences of the alteration of the receiving environment, especially with respect to the impacts on vegetation and existing ecosystems;

(j) water balance estimates – including dewater and non-dewater scenarios (with and without consideration of runoff events);

(k) chemistry of the waterbody/watercourse – including dewater and non-dewater scenarios (with and without consideration of runoff events);

(l) a comparison between each year's monitoring data and that of all available data from previous years since mining commenced; and

(m) findings (including trends), conclusions and recommendations.

Waste discharges

10. The licence holder must ensure that where waste produced on the premises are not taken off-site for lawful use or disposal, it is managed in accordance with the requirements in Table 5.

Table 5: Waste management

Waste type	Process(es)	Process limits[1]
Inert waste type 1 (Porphyry Landfill)	Disposal of less than 9,500 tonnes of waste by landfilling	All waste types must meet acceptance criteria for Class II landfills.
Inert waste type 2		

Waste type	Process(es)	Process limits[1]
Putrescible waste (including green waste)		Disposal of waste by landfilling must only take place within the waste rock dump area shown on the landfill location map in Schedule 1, Figure 7 Tyres may also be buried within the waste rock dumps. Less than 100 car tyre equivalents are to be buried at any one time. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2 m.
Hydrocarbon contaminated material	-	Disposal of material must only take place within a bioremediation cell within the footprint of the waste rock dump areas shown on Schedule 1, Figure 7. Material must be placed in defined bioremediation cells with specifications as required in Condition 6, Table 4 Material to be aerated quarterly.
Inert waste type 1 (Wallbrook and Enterprise landfills)	Disposal of less than 5,000 tonnes of waste per year by landfilling	All waste types must meet acceptance criteria for Class I landfills. Disposal of waste by landfilling must only take place within the Wallbrook and Enterprise waste rock dump as shown in Schedule 1, Figure 9 and 10. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2 m.

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

11. The licence holder must ensure that where waste does not meet the waste management criteria set out in condition 10 it is removed from the premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.

12. The licence holder must manage the landfilling activities to ensure that waste is covered at least fortnightly.

13. The licence holder must ensure that cover is applied and maintained on landfilled waste in accordance with Table 6 and that sufficient stockpiles of cover are maintained on site at all times.

Table 6: Cover requirements[1]

Waste Type	Cover requirements
Inert waste type 1	No cover required
Inert waste type 2	To be covered fortnightly in which the waste was deposited with sufficient quantities of Type 1 inert waste, clean fill or other appropriate cover material to prevent the spread of fire and harbouring of pests and disease vectors. A minimum depth of 500 mm of soil cover is maintained over the buried tyres following disposal.
Putrescible wastes	

Note [1]: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

14. The licence holder must ensure that windblown waste is collected on at least a weekly basis and returned to the tipping area.

15. The licence holder must ensure that there is appropriate equipment in place at the premises so that any unauthorised fire is promptly extinguished.

General

16. The licence holder must record and investigate the exceedance of any descriptive or numerical limit or target specified in Table 9 and Table 14 of this licence.

Point source emissions to surface water

17. The licence holder must ensure that where waste is emitted to surface water from the emission points in Table 7 (and identified on the map of emission points in Figure 2) it is done so in accordance with the conditions of this licence.

Table 7: Emission points to surface water

Emission point reference	Description	Source including abatement
Lake Rebecca discharge point (LR1)	Dewatering water from the Million Dollar project	Saline mine dewater

Point source emissions to land

18. The licence holder must ensure that where waste is emitted to groundwater from the emission points in Table 8 it is done so in accordance with the conditions of this licence.

Table 8: Emission points to land

Emission point reference	Description	Source including abatement
Porphyry pit (PY1/PY2)	Saline mine dewater	Water from dewatering of Million Dollar pit
Enterprise pit (EP1)	Saline mine dewater	Water from dewatering of Margaret's pit
Margaret's pit (MG1)	Saline mine dewater	Water from dewatering of Porphyry pit
Million Dollar pit (MP1)	Saline mine dewater	Water from Enterprise pits (North and South) and water from Porphyry pit/underground.
Eleven Bells pit (EB1)	Saline mine dewater	Water from dewatering Redbrook pit and Redflag pit
Redbrook pit (RP1)	Saline mine dewater	Water from dewatering Elevenbells pit and Redflag pit
Red Flag pit water (RF1)	Saline mine dewater	Water from dewatering Elevenbells pit and Redbrook pit

19. The licence holder must not cause or allow point source emissions to groundwater that do not meet the limits listed in Table 9.

Table 9: Point source emission limits to groundwater

Emission point reference	Parameter	Limit (including units)	Averaging period
Porphyry pit (PY1/PY2), and Enterprise pit (EP1)	Freeboard	>6 meters below crest level	Spot sample
Margaret's pit (MG1)	Freeboard	>1 meters below crest level	
Million Dollar pit (MP1)	Freeboard	>6 meters below crest level	
Eleven Bells pit (EB1)	Freeboard	>6 meters below crest level	
Redbrook pit (RP1)	Freeboard	>6 meters below crest level	
Red Flag pit water (RF1)	Freeboard	>6 meters below crest level	

Dust emissions

20. The licence holder must use all reasonable and practical measures to prevent, or where that is not practicable, to minimise dust emissions from the premises.

Monitoring

General monitoring

21. The licence holder must ensure that:

(a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;

(b) all groundwater sampling is conducted in accordance with AS/NZS 5667.4; AS/NZS 5667.6 or AS/NZS 5667.9 as relevant;

(c) all sediment sampling is conducted in accordance with AS/NZS 5667.12; and

(d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters to be measured unless indicated otherwise in relevant table.

22. The licence holder must 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.

Monitoring of point source emissions to surface water

23. The licence holder must undertake the monitoring in Table 10 according to the specifications in that table.

Table 10: Monitoring of point source emissions to surface water

Emission point reference	Parameter	Units	Frequency
Dewatering discharge outlet point to Lake Rebecca (LR1)	Volumetric flow total	kL	Monthly – when in operation
	pH[1]	-	Quarterly – when in operation
	Hydrocarbons	ug/L	
	Total dissolved solids (TDS)[1]	mg/L	
	Total suspended solids (TSS)		
	Cadmium, selenium, iron, cobalt, lead, copper, nickel, zinc, arsenic, chromium, sodium, potassium, calcium, manganese, chloride, bicarbonate and sulphate		

Note[1]: In-field non-NATA accredited analysis permitted.

Monitoring of point source emissions to land

24. The licence holder must undertake the monitoring in Table 11 according to the specifications in that table.

Table 11: Monitoring point source emissions to land

Emission point reference	Parameter	Units	Frequency
PY1, PY2, EP1, MP1, EB1, RP1, RF1	Freeboard	metres below crest level	Six monthly – when in operation
	Volumetric flow total	kL	Monthly – when in operation
	pH[1]	-	Quarterly – when in operation
	TDS[1]	mg/L	Quarterly – when in operation
Margaret's pit (MG1)	Freeboard	metres below crest level	Monthly – when in operation and 12 months after suspending dewater discharge into pit.
	Volumetric flow total	kL	Monthly – when in operation
	pH[1]	-	Quarterly – when in operation
	TDS[1]	mg/L	Quarterly – when in operation
Dewatering effluent used for dust suppression	Volumetric flow total	kL	Monthly

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

Monitoring of inputs and outputs

25. The licence holder must undertake the monitoring specified in Table 12.

Table 12: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Waste inputs	Inert 1, inert 2, clean fill, putrescible waste, waste that complies with Class II criteria in the document titled "Landfill Waste Classification and Waste Definitions" 1996	tonnes (where a weighbridge is present on the site) m^3 (where no weighbridge is present)	N/A	After each landfill trench is filled
Waste outputs	Waste type as defined in the Landfill Waste Classification and Waste Definitions 1996			Each load leaving or rejected from the premises

Ambient environmental quality monitoring

26. The licence holder must undertake the monitoring in Table 13 according to the specifications in that table.

Table 13: Monitoring of ambient sediment quality

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
50, 100 and 200 m from dewatering discharge outlet point to Lake Rebecca (LR1)	pH[1]	-	Spot sample	Annually when inoperation.
	TDS[1]	mg/L		
	Total soluble solids,			
	Cadmium, selenium, iron, cobalt, lead, copper, nickel, zinc, arsenic, chromium, sodium, potassium, calcium, manganese, chloride, bicarbonate, sulfate.			
	Salt crust thickness	mm		

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

Ambient groundwater monitoring

27. The licence holder must conduct monitoring in Table 14 according to the specifications in that table.

Table 14: Monitoring of ambient groundwater

Bore ID	Parameter	Unit	Frequency	Limit	Location
MAMB01	Standing water level	mbgl	Monthly – during active dewatering discharge into Margaret's pit Quarterly –after the cessation of dewatering	4	Schedule 1: Maps, Figure 8, Figure 9[1] and Figure 10
MAMB02					
MAMB03					
ENTWB1			Monthly – during active dewatering discharge into Million Dollar pit		
ENTWB2					

Bore ID	Parameter	Unit	Frequency	Limit	Location
ENTWB3			Quarterly –after the cessation of dewatering		
WBWB1			Monthly – during active dewatering discharge into Elevenbells pit Monthly – during active dewatering discharge into Redbrook pit Quarterly –after the cessation of dewatering		
WBWB3					
WBWB4					
M$MB01			Monthly – during active dewatering discharge into Redflag pit Quarterly –after the cessation of dewatering		
M$MB02					
M$MB03					

Note 1: Figure 9 monitoring bore locations are indicative only.

Records and reporting

Records

28. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises

(a) the name and contact details of the complainant, (if provided);

(b) the time and date of the complaint;

(c) the complete details of the complaint and any other concerns or other issues raised; and

(d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.

29. The licence holder must:

(a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and

(b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

30. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence;

(a) the calculation of fees payable in respect of this licence;

(b) the works conducted in accordance with condition 1 of this licence;

(c) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;

(d) monitoring programs undertaken in accordance with conditions 23 to 27of this licence; and

(e) complaints received under condition 28 of this licence.

31. The books specified under condition 30 must:

(a) be legible;

(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

(c) be retained by the licence holder for the duration of the licence; and

(d) be available to be produced to an inspector or the CEO as required.

Reporting

32. The licence holder must submit to the CEO an Annual Environmental Report by 31 March each year. The report shall contain the information listed in Table 15 the format or form specified in that table.

Table 15: Annual environmental report

Condition or table (if relevant)	Parameter	Format or form
-	Summary of any failure or malfunction of any pollution control equipment or any environmental incidents that have occurred during the annual period and any action taken.	None specified
Condition 9	Annual dewatering discharge report.	
Condition 14	The measures taken to control windblown waste.	
Table 10	Monitoring of point source emissions to surface water.	
Table 11	Monitoring of point source emissions to land.	
Table 12	Monitoring of inputs and outputs.	Tabular
Table 13	Monitoring of ambient sediment quality.	None specified
Table 14	Monitoring of ambient groundwater	A tabulated summary of results including: • any limit exceedances; and • discussion of groundwater mounding (if present), its extent and measures proposed to address it.
Condition 28	Complaints summary.	None specified
Condition 29	Compliance.	AACR

33. The licence holder must submit the information in Table 16 to the CEO according to the specifications in that table.

Table 16: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date	Format or form
-	Copies of original 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

Notification

34. The licence holder must ensure that the parameters listed in Table 17 are notified to the CEO in accordance with the notification requirements of the table.

Table 17: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement[1]	Format or form
Condition 15	Unauthorised fire	Within fourteen (14) days of an unauthorised fire as per condition 15 of this licence.	None specified
Condition 19	Limit exceedance where management action taken	As soon as practicable but no later than 5pm of the next usualworking day.	None specified
Condition 16	Breach of any limit specified in the licence	Part A: As soon as practicable but no later than 5 pm of the nextusual working day. Part B: As soon as practicable.	None specified
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		
-	Intention for the site to recommence normal operations from care and maintenance status	At least 30 calendar days prior to site recommencing operations.	None specified

Note [1]: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Definitions

In this licence, the terms in Table 18 have the meanings defined.

Table 18: Definitions

Term	Definition
ACN	means Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates are available on the Department's website).
acceptance criteria	has the meaning defined in Landfill Definitions
annual period	means the inclusive period from 1 January until 31 December 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 5667.4	means the Australian Standard AS/NZS 5667.4 *Water Quality – Sampling Guidance on sampling from lakes, natural and man-made*
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*
AS/NZS 5667.12	means the Australian Standard AS/NZS 5667.12 *Water Quality – Sampling – Guidance on sampling of bottom sediments*
averaging period	means the time over which a limit or target is measured or a monitoring result is obtained;
CEO	means Chief Executive Officer of the department "submit to / notify the CEO" (or similar), means either: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 or: Email: info@dwer.wa.gov.au
clean fill	has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (as amended 2019), published by the CEO and as amended from time to time
cover material	means subsoil or other approved inert waste used for covering of waste
code of practice for the storage and handling of dangerous goods	means the document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines, Industry Regulation and Safety (DMIRS), as amended from time to time
dangerous goods	has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*
DFES	means the Department of Fire and Emergency Services of Western Australia

Term	Definition
department, DWER	the department established under section 35 of the Public Sector Management Act 1994 (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
EP Act	means the *Environmental Protection Act 1986*
fire control officer	in relation to this landfill site, means a person who has such qualifications in firefighting or fire control as are approved, appointed to that position by the licence holder of the landfill site
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
fugitive emissions	means all emissions not arising from point sources
inert waste type 1	has the meaning defined in Landfill Definitions
inert waste type 2	has the meaning defined in 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 as amended from time to time
leachate	means liquid released by or water that has percolated through waste and which contains some of its constituents
licence	means this licence numbered L8569/2011/2 and issued under the Act
licence holder	means the person or organisation named as licence holder on page 1 of the licence;
mm	means millimetre
mg/L	means milligrams per litre
monthly period	means a one-month period commencing from first day of a month until last day of the same month
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
pollution	has the same meaning given to that term under the EP Act.
premises	means the area defined in the Premises Map in Schedule 1 and listed as the premises address on page 1 of the licence
prescribed premises	has the same meaning given to that term under the EP Act.
putrescible	has the meaning defined in Landfill Definitions
quarterly	means the four inclusive periods from 1 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March
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
usual working day	means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1)

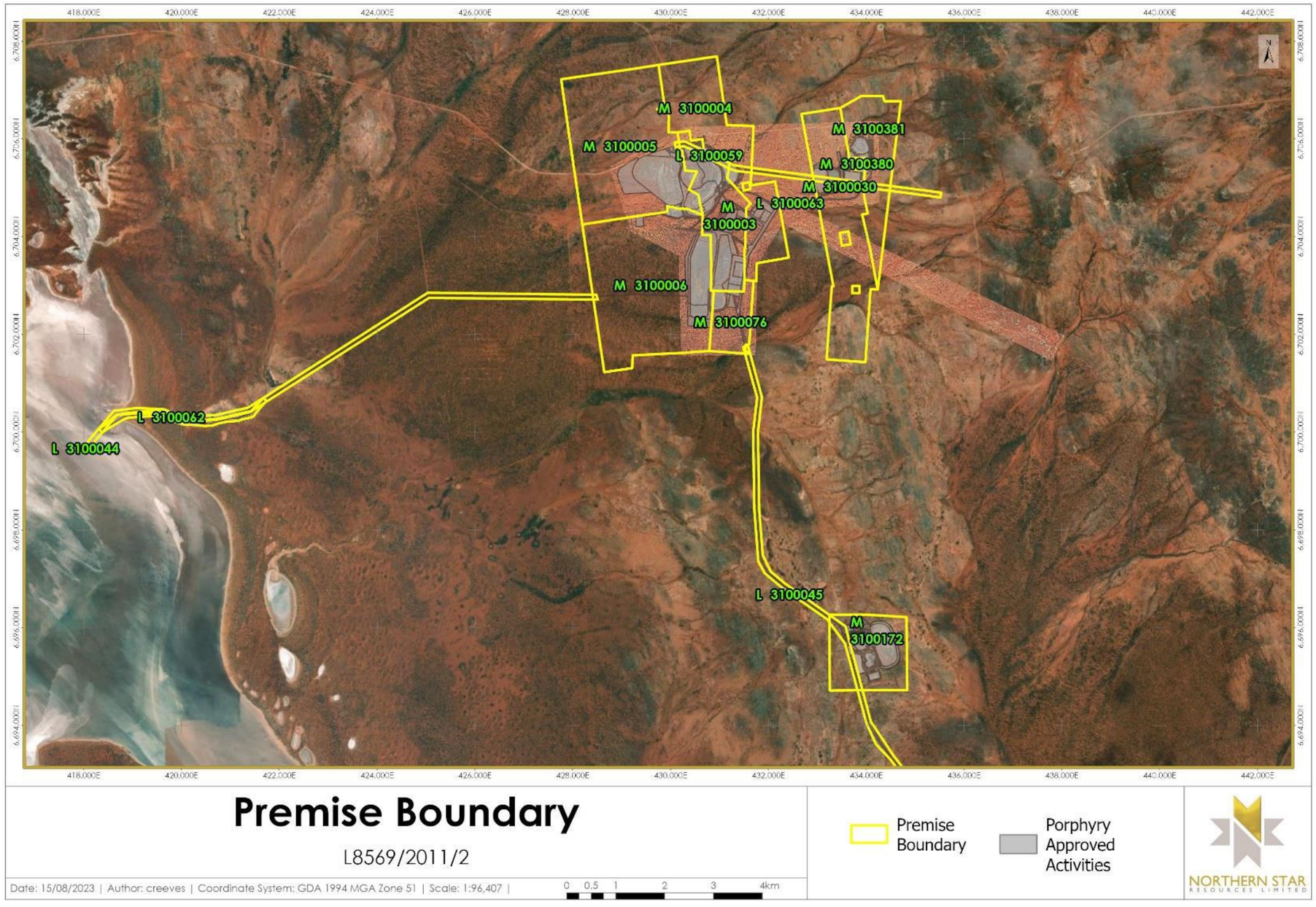

Figure 1: Map of the boundary of the prescribed premises

Map of emission points (part 1)

The location of the emission point defined in Table 7 and Table 8 is shown below

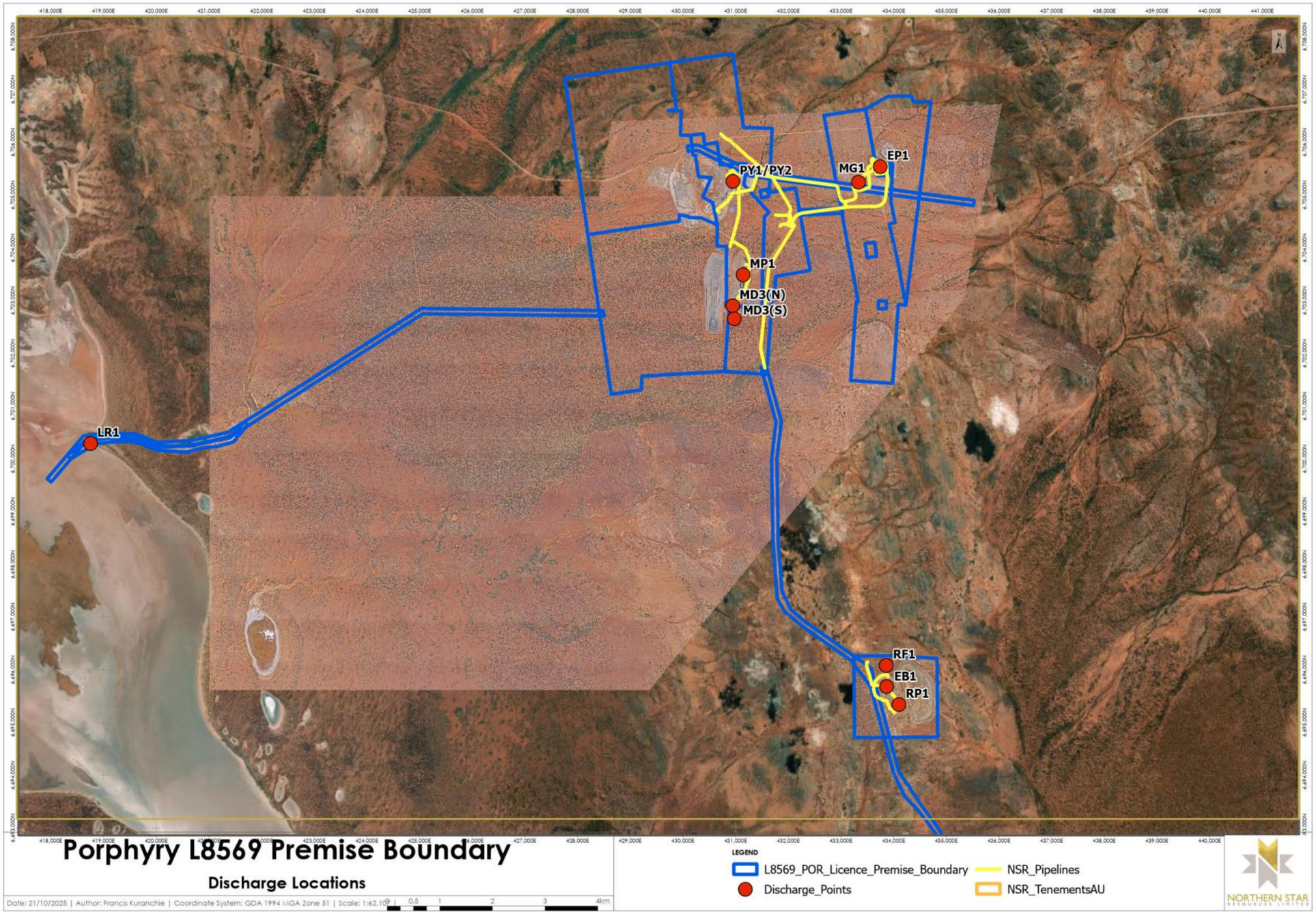

Figure 2: Emission point locations (part 1)

Map of emission points (part 2) Map of monitoring locations

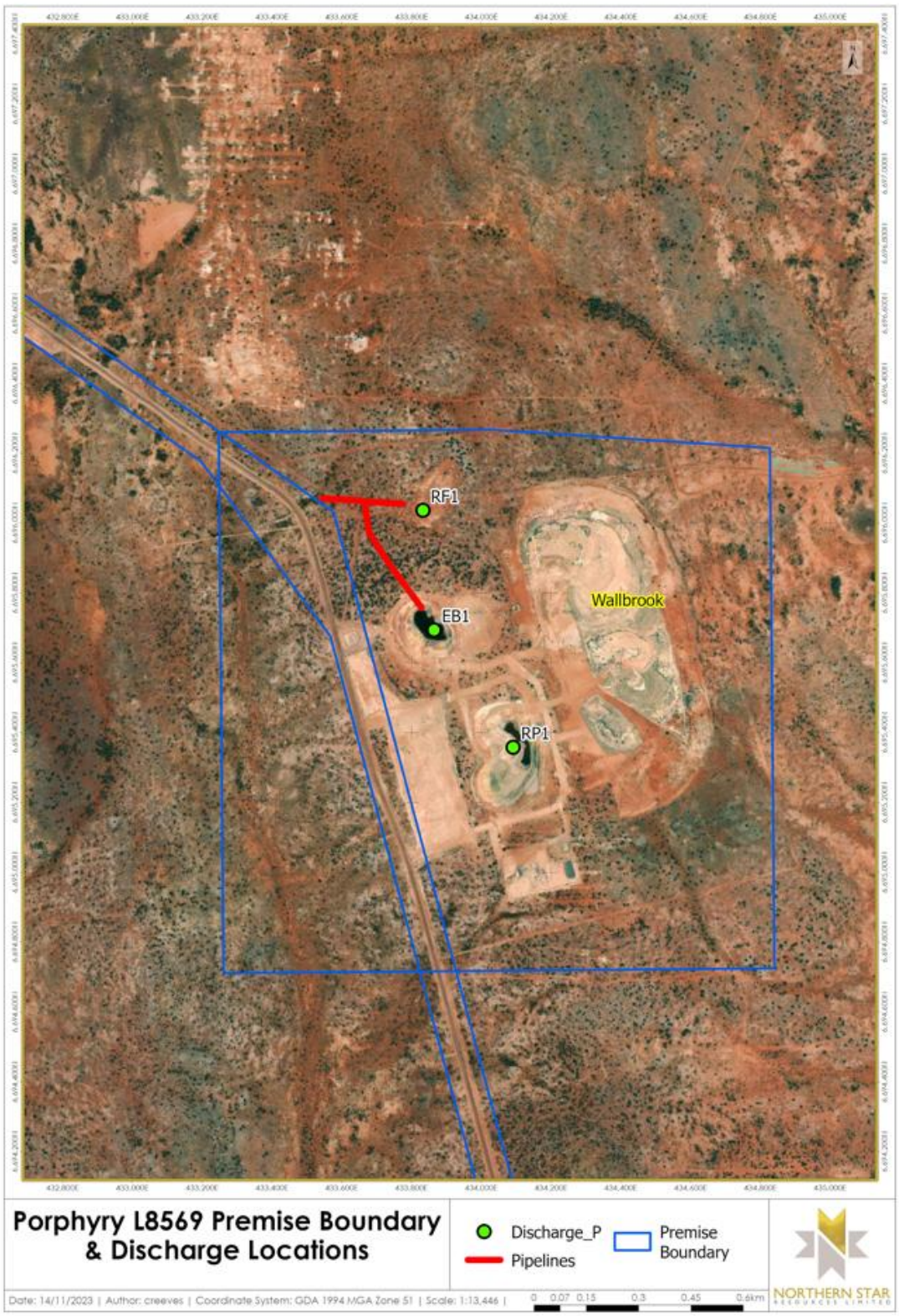

Figure 3: Emission point locations (Part 2)

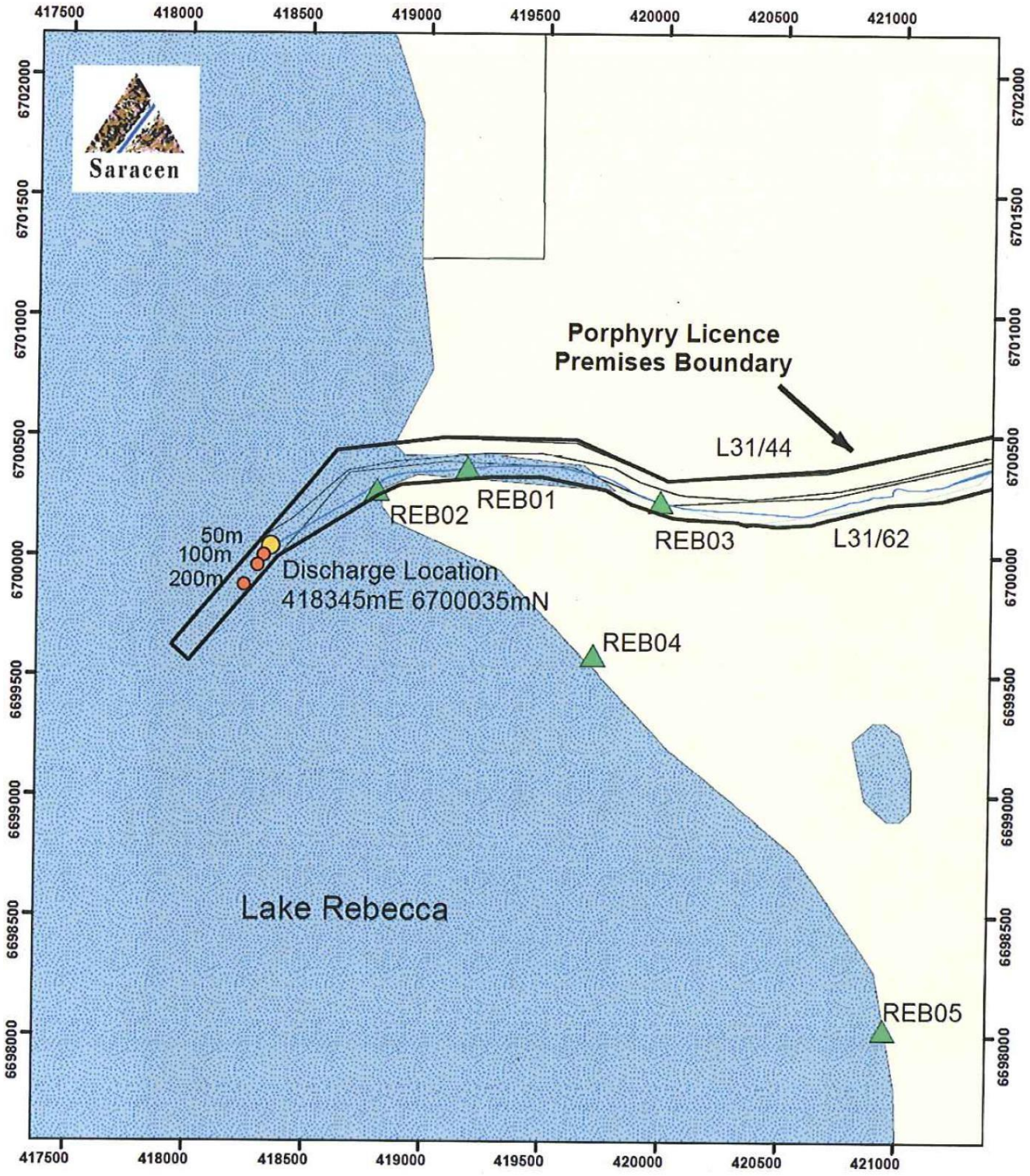

Figure 4: Monitoring point locations

Map of landfill and saline water storage dam location

The location of the landfill and turkey's nest dams are shown in the map below (Figure 5).

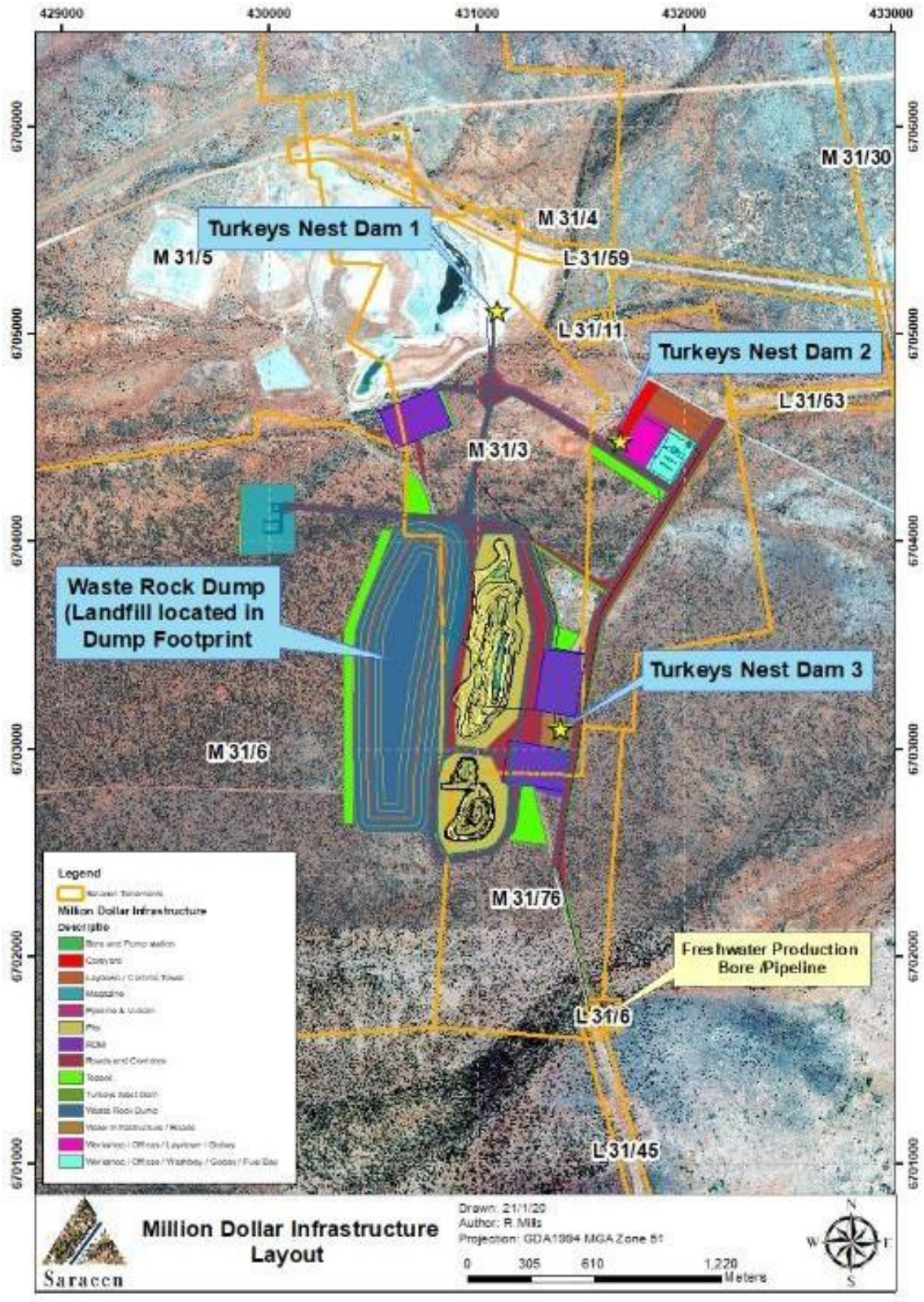

Figure 5: Landfill and turkey's nest dam locations

Map of bulk fuel storage facilities

The locations of the bulk fuel storage facilities are shown in the map below (Figure 6).

Figure 6: Map of fuel storage facilities

Figure 7. Locations of Class II landfills and associated bioremediation facilities constructed within the Porphyry / Maingays or Million Dollar waste rock dumps.

Figure 8. Margaret's pit monitoring bores

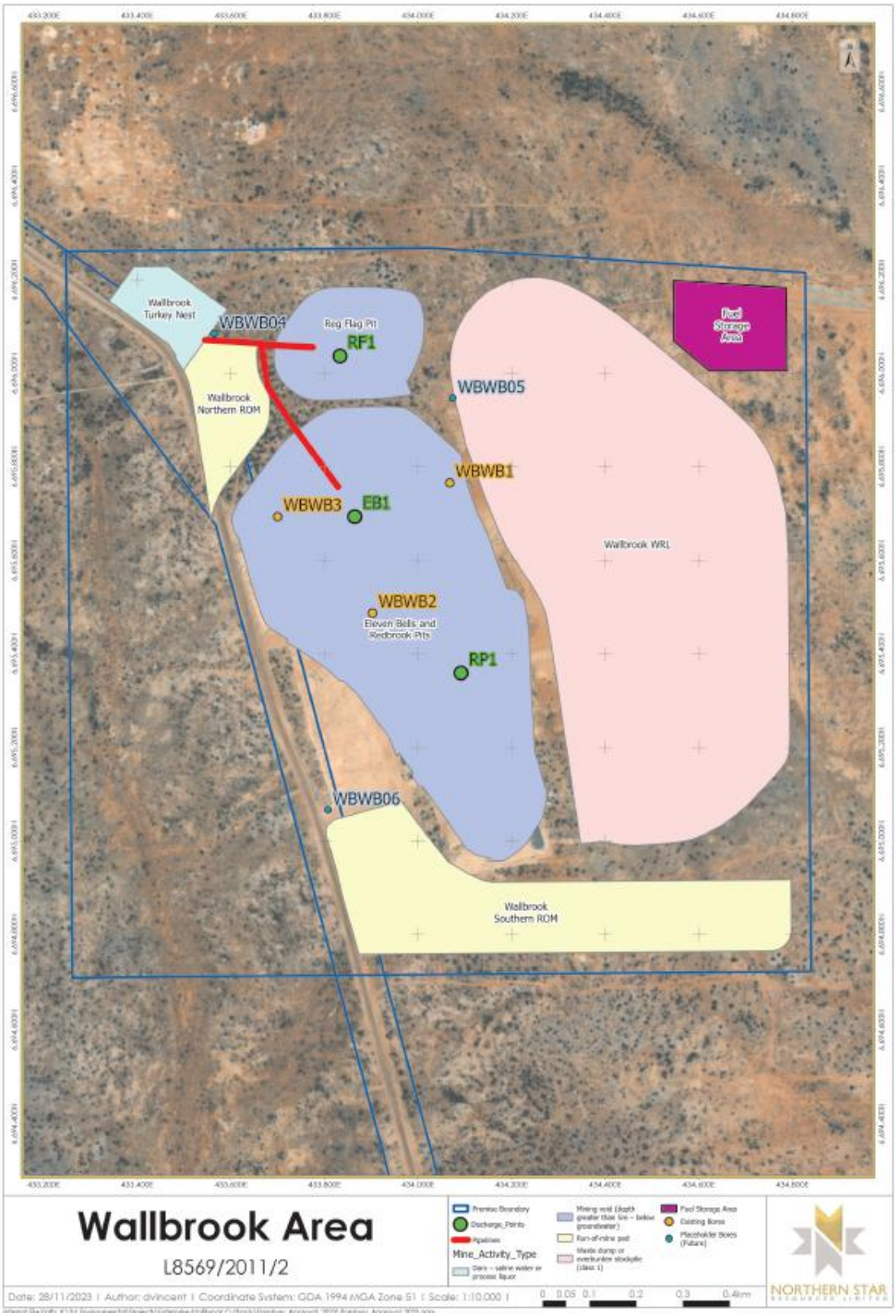

Figure 9: Wallbrook Infrastructure

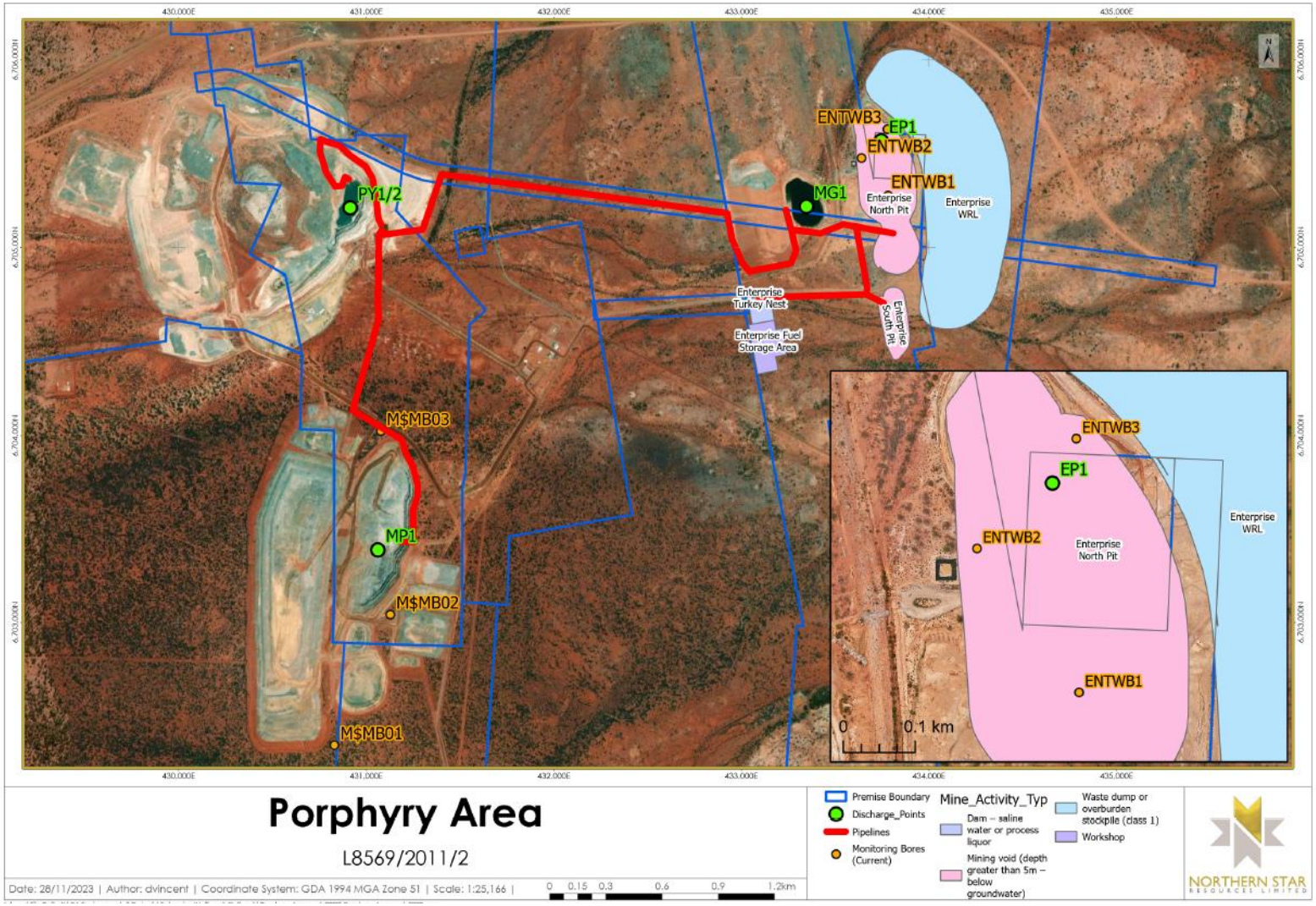

Figure 10: Enterprise infrastructure

Map of crushing and screening activity locations

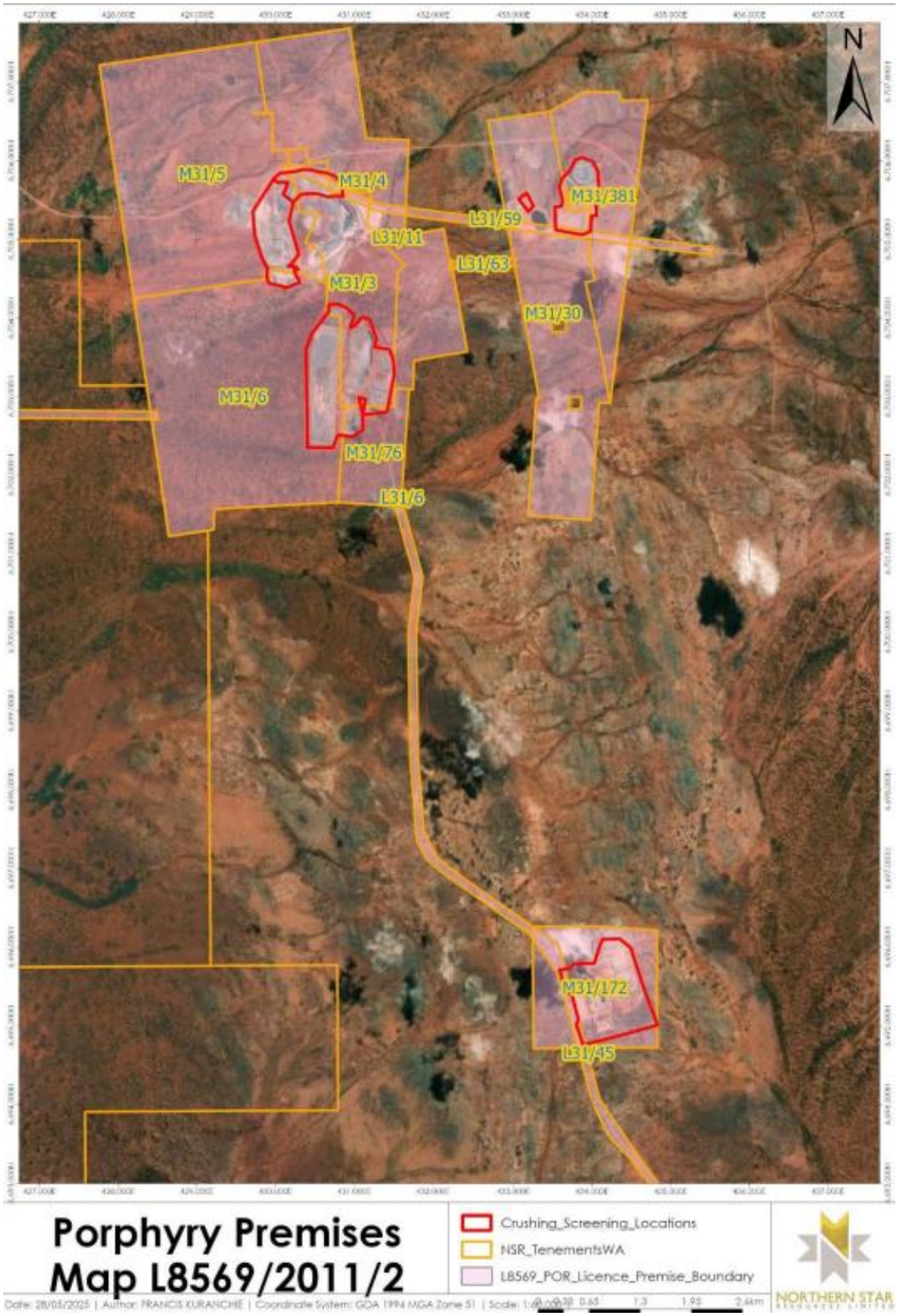

Figure 11: Locations of crushing and screening activities