



Licence number	L8232/2008/2
Licence holder	Pilbara Iron Company (Services) Pty Ltd
ACN	107 210 248
Registered business address	Level 22, Central Park 152-158 St Georges Terrace PERTH WA 6000
DWER file number	DER2013/001103 & INS-0001623
Duration	31/07/2013 to 30/07/2029
Date of issue	18/07/2013
Date of amendment	05/06/2026
Premises details	Brockman Syncline 4 Mine Legal description – Part of State Agreement Mining Lease ML4SA, General Purpose Lease G47/1232, and part of Miscellaneous Licences L47/153 and L47/141 ROCKLEA WA 6751 As defined by the Premises map in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	44,000,000 tonnes per year
Category 6: Mine dewatering	6,400,000 tonnes per annual period
Category 12: Screening, etc. of material	10,000,000 tonnes per annual period
Category 54: Sewage facility	983 cubic metres per day
Category 64: Class II putrescible landfill site	3,375 tonnes per annual period
Category 73: Bulk storage of chemicals, etc	2,205 cubic metres in aggregate

This amended licence is granted to the licence holder, subject to the attached conditions, on 5 June 2026, by:

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

Licence history

Date	Reference number	Summary of changes
31/07/2008	L8232/2008/1	Licence issued.
15/07/2010	L8232/2008/1	<p>Licence amended:</p> <ul style="list-style-type: none"> Inclusion of Category 5 (Processing or beneficiation of metallic or non-metallic ore) associated with W4471/2008/1 issued in November 2008 and Category 85 under Registration R2017/2008/1; and As this was a nil condition licence conditions and requirements were applied to this licence during the amendment stage.
07/07/2011	L8232/2008/1	<p>Licence amended:</p> <ul style="list-style-type: none"> Inclusion of category 89 landfill site; and Modifications to ancillary infrastructure.
20/09/2012	L8232/2008/1	<p>Licence amended:</p> <ul style="list-style-type: none"> Deletion of category 85, since the combined capacity of the two wastewater treatment plants onsite is 458 cubic metres per day and can be covered under category 54; Inclusion of liquid chemical storage conditions; Alignment of Annual Environmental Report and Annual Audit Compliance Report reporting dates; and The Environmental Assessment Report has been updated to include the phase 2 ore processing facility and landfill trench dimensions have been updated.
18/07/2013	L8232/2008/2	Licence reissued.
07/11/2013	L8232/2008/2	<p>Licence amended:</p> <ul style="list-style-type: none"> Inclusion of the Camp WWTP2, which was constructed under W5283/2012/1. Compliance and commissioning documentation were received on the 3 October 2013.
18/07/2018	L8232/2008/2	<p>Licence amended:</p> <ul style="list-style-type: none"> Inclusion of Category 6 (design capacity 6,400,000 tpa) and Licence conditions; Inclusion of Category 12 (design capacity 10,000,000 tpa) and Licence conditions; Inclusion of the waste dump landfill, Licence conditions and Category 64 (design capacity of 3,375 tpa). Category 64 replaced Category 89; Removal of previous conditions 1, 2, 3, 6 - 11, 13 and 14; New Premises maps; and

		<ul style="list-style-type: none"> Administrative changes.
16/12/2021	L8232/2008/2	<p>Licence amended:</p> <ul style="list-style-type: none"> Replacement of the existing Brockman Syncline 4 (BS4) Mine WWTP with a 60 m³/day WWTP; Construction of a new 1.3 ha irrigation area adjacent to an existing 0.7 ha irrigation area; and Modifications to the formatting and updating conditions.
05/06/2026	L8232/2008/2	<p>Licence amended:</p> <ul style="list-style-type: none"> Construction of a 30 km surplus mine dewater transfer pipeline between the BS4 and Brockman Syncline 2 Hubs; Amendment of the premises boundary to include the new pipeline; Removal of the BS4 Mine WWTP environmental commissioning phase; and Administrative updates to landfill and environmental reporting terminology.

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:

General conditions

Stormwater management

1. The licence holder shall install and maintain mechanisms to ensure that stormwater from the following areas, is diverted to facilities for treatment prior to disposal, reuse or discharge:
 - (a) Process plants;
 - (b) Washdown bays;
 - (c) Refuelling areas; and
 - (d) Mechanical workshops.

Waste management from ancillary operations

2. The licence holder shall as soon as practicable recover, or remove and dispose of, any liquid resulting from spills or leaks of chemicals including fuel, oil or other hydrocarbons, from inside or outside the low permeability compound(s).
3. The licence holder shall utilise and maintain protective bunding, skimmers, silt traps, neutralisation pits, fuel and oil traps, drains and sealed collection sumps around the process plant and maintenance workshop areas to enable recovery of spillages and protection of surrounding soils and groundwater.
4. The licence holder shall utilise measures or agents such as quick break detergents, to prevent oil-water emulsions from passing through the separator systems.

Infrastructure and equipment

Construction – infrastructure and equipment

5. The licence holder must construct and/or install the infrastructure listed in Table 1 in accordance with:
 - (a) the corresponding design and construction / installation requirements;
 - (b) at the corresponding infrastructure location; and
 - (c) within the corresponding timeframe,
 as set out in Table 1.

Table 1: Design and construction / installation requirements

Item number	Infrastructure	Design and construction / installation requirements	Infrastructure location
1	Mine dewatering pipeline from Brockman Syncline 4 (BS4) to Brockman Syncline 2 (BS2)	(a) Pipeline to be constructed with HDPE with a nominal pipeline diameter of 710mm; (b) Pipeline to be installed with flow meters at pump stations and outlet pipe; (c) Pipeline to be installed with telemetry and a SCADA system for leak detection and	As shown in Figure 1 of Schedule 1: Maps

Item number	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>control leaks;</p> <p>(d) Pressure transmitters must be installed at regular intervals to detect sudden pressure loss;</p> <p>(e) Prior to operation, the pipeline network must be integrity tested and flushed using groundwater and any flush water must be managed via temporary controlled scour points within the prescribed premises boundary;</p> <p>(f) Any flushing via scour points must be undertaken in a manner that prevents erosion and the release of sediment or other material; and</p> <p>(g) Water cart with water cannon must be available at all times at the premises to manage dust emissions during construction of the new pipeline.</p>	
2	Proposed / subsequent landfill facilities	<p>Landfill facilities to have the following location requirements:</p> <p>(a) Landfill site must be located within the prescribed premises boundary;</p> <p>(b) Must not be located within an Environmentally Sensitive Area;</p> <p>(c) Located more than 100 m from any permanent or perennial watercourse;</p> <p>(d) Landfill sites will be located so that vertical distance between the waste and the highest seasonal and expected post mining ground water level is no less than 3 m; and</p> <p>(e) Must be located outside aboriginal heritage site exclusion areas.</p> <p>Landfill facilities to have the following requirements:</p> <p>(f) Signage erected which clearly defines what waste is accepted;</p> <p>(g) Where trenches are used to manage / store waste, stormwater management structures (i.e., bunding) to divert surface water flows away from the landfill must be installed;</p> <p>(h) Where trenches are used to manage / store waste, a sump or bunding within the landfill to collect any surface water that has come into contact with waste;</p> <p>(i) Putrescible landfill sites must be fenced to an appropriate height, gated, and locked to minimise unauthorised access and windblown waste;</p>	Within the Prescribed Premises boundary depicted Figure 1 of Schedule 1.

Item number	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>(j) Landfill sites must have a firebreak (or cleared area) at least 3 m in width around boundary; and</p> <p>(k) Water cart with water cannon must be available at all times at the premises to manage dust emissions during construction of the proposed/subsequent landfill facilities</p>	

6. The licence holder must within 30 days of each item of infrastructure required by condition 5 being constructed:
 - (a) undertake an audit of their compliance with the requirements of condition 5; and
 - (b) prepare and submit to the CEO an audit report on that compliance.
7. The report required by condition 6, must:
 - (a) be certified by a suitably qualified professional engineer that each item of infrastructure listed in Table 1 meets the corresponding specifications and at the locations set out in Table 1 and has been constructed with no material defects;
 - (b) contain constructed plans for the works; and
 - (c) be signed by a person authorised to represent the licence holder and contains the printed name and position of that person within the company.
8. The licence holder must operate the landfill facilities constructed under condition 5, in accordance with condition 9, following submission of the compliance document required under condition 6.

Premises operation

9. 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: Operational requirements

Item Number	Infrastructure	Operational requirements	Location
1	Mobile Crushing and Screening Plant	(a) Must only operate the Mobile Crushing and Screening Plant(s) in accordance with the Iron Ore (WA) Mobile Crushing and Screening Management Plan (RTIO-HSE-0235877).	As shown in Figure 1 of Schedule 1: Maps
2	Mine dewatering pipeline from Brockman Syncline 4 (BS4) to Brockman Syncline 2 (BS2)	<p>(a) Weekly visual inspections of the dewatering pipelines to check for damage, ruptures and/or leaks;</p> <p>(b) Maintain continuous flow/pressure monitoring via telemetry/SCADA with alarms to detect potential pipeline leaks/failures;</p>	As shown in Figure 1 of Schedule 1: Maps

Department of Water and Environmental Regulation

Item Number	Infrastructure	Operational requirements	Location
		<p>(c) Respond to leak/failures through controlled booster shutdown and sectional isolation using isolation valves; and</p> <p>(d) Automatic (or operator-verified) controlled shutdown of booster pumps in response to significant flow anomalies.</p>	
3	<p>Brockman Syncline 4 WWTP (village)</p> <p>Nammuldi WWTP (village)</p> <p>Brockman Syncline 4 Mine WWTP</p>	<p>(a) Maximum throughputs:</p> <ul style="list-style-type: none"> - Brockman Syncline 4 WWTP (village): 427 m³/day; - Nammuldi WWTP (village): 496 m³/day; and - Brockman Syncline 4 Mine WWTP: 60 m³/day. <p>(b) Record volumes of treated waste produced;</p> <p>(c) Maintain the WWTP and pipelines in good working order to prevent leaks and spills;</p> <p>(d) Maintain any alarm systems to ensure they operate as designed,</p> <p>(e) Ensure wastewater tanks are provided with appropriate containment and spill management measures to minimise the risk of wastewater release to the surrounding environment during operation; and</p> <p>(f) Spills of wastewater or chemicals outside of a vessel/container must be cleaned up immediately</p>	<p>As shown in Figure 1 and Figure 2 of Schedule 1: Maps</p>
4	<p>Brockman Syncline 4 Mine WWTP Irrigation Area</p>	<p>(a) Irrigation area must be 2 ha;</p> <p>(b) Irrigation area must be located more than 500m from any drainage lines;</p> <p>(c) Daily visual inspection of the irrigation area must be undertaken on each day that irrigation occurs to confirm that:</p> <ul style="list-style-type: none"> - No generated runoff or discharge occurs beyond the boundary of the WWTP irrigation area; - Wastewater is evenly distributed over the irrigation area, and that no ponding, pooling or runoff occurs; and - Any signs of vegetation stress or death is identified. <p>(d) Maintain fencing and appropriate signage around the irrigation area to clearly identify the area and restrict access.</p>	<p>As shown in Figure 1 of Schedule 1: Maps</p>
5	<p>Landfill sites</p>	<p>(a) Landfill sites to have a combined maximum capacity of 3,375 tonnes per annual period;</p>	<p>As shown in Figure 4 of Schedule 1:</p>

Item Number	Infrastructure	Operational requirements	Location
		<p>and</p> <p>(b) Volumes of waste types disposed of to the landfill sites are to be recorded.</p> <p><u>Putrescible facilities</u></p> <p>(c) The following types of wastes are to be disposed of at the landfills:</p> <ul style="list-style-type: none"> - Clean Fill; - Uncontaminated Fill; - Inert Waste Type 1; - Putrescible Waste; and - Special Waste Type 1 <p>as defined in the Landfill Definitions.</p> <p>(d) Tipping area of putrescible landfill sites must not be greater than 30 m in length and 2 m above ground level height;</p> <p>(e) Waste in putrescible landfill sites to be covered weekly with a dense inert and incombustible material (at least 200 mm) so that no waste is left exposed;</p> <p>(f) Ensure no waste is located within 100 metres of any surface water body or within 3 metres of the highest seasonal groundwater level at the putrescible landfill site;</p> <p>(g) Manage stormwater at the putrescible landfill sites by diverting it away from waste areas and directing any water that has contacted waste into a sump or otherwise retaining it on site;</p> <p>(h) Washed or windblown waste does not leave the fenced putrescible facilities;</p> <p>(i) Any washed or windblown waste observed outside the tipping area is collected and returned to the tipping area on a monthly basis; and</p> <p>(j) Maintain a minimum 3 m wide firebreak or cleared area around the landfill boundary.</p> <p><u>Waste dump landfill facilities</u></p> <p>(k) The following types of wastes are to be disposed of at the waste dump landfills:</p> <ul style="list-style-type: none"> - Inert Waste Type 1; - Inert Waste Type 2; and - Wooden pallets and wooden packaging. <p>as defined in the Landfill Definitions.</p> <p>(l) Tipping area of the waste dump landfills to be covered with a dense (at least 200</p>	<p>Maps</p>

Item Number	Infrastructure	Operational requirements	Location
		<p>millimetres), inert and incombustible material at final landform design;</p> <p>(m) Ensure no waste is located within 100 metres of any surface water body or within 3 metres of the highest water table level at the waste dump landfill sites; and</p> <p>(n) Manage stormwater on the waste dump landfill sites so that any water that has come into contact with waste is retained on site.</p>	

Emissions and discharges

10. The licence holder must ensure that the emissions specified in Table 3 are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 3: Authorised discharge points

Emission	Discharge point	Discharge point location
Treated effluent from: <ul style="list-style-type: none"> - Brockman Syncline 4 WWTP (village); - Nammuldi WWTP (village); and - Brockman Syncline 4 Mine WWTP 	Sprinklers within the irrigation area	As shown in Figure 1 of Schedule 1: Maps.
Mine dewater effluent	Gabion outlet at Boolgeeda Creek dewatering discharge point	As shown in Figure 3 of Schedule 1: Maps

11. The licence holder shall ensure that the concentration of Total Recoverable Hydrocarbons in dewatering water discharged to the environment from the dewatering discharge point specified in Table 3 (mine dewater effluent) does not exceed 30 mg/L.

Monitoring

12. The licence holder must ensure that:
- (a) monitoring is undertaken in each weekly period such that there are at least 4 days in between the days on which samples are taken in successive weeks;
 - (b) monitoring is undertaken in each monthly period such that there are at least 15 days in between the days on which samples are taken in successive months;
 - (c) monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters;
 - (d) monitoring is undertaken in each six-monthly period such that there are at least 5 months in between the days on which samples are taken in successive periods of six months; and

- (e) monitoring is undertaken in each annual period such that there are at least 9 months in between the days on which samples are taken in successive years.

13. The licence holder must monitor emissions in accordance with the requirements specified in Table 4 and record the results of all such monitoring.

Table 4: Emissions and discharges monitoring

Discharge point	Monitoring location	Parameter	Frequency	Averaging period	Unit	Method
Brockman Syncline 4 WWTP (village) Nammuldi WWTP (village) Brockman Syncline 4 Mine WWTP	Final irrigation storage tank	Volumetric flow rate	Continuous	Monthly	m ³	AS/NZS 5667.6
		pH ¹	Quarterly	Spot sample	pH units	
		<i>E.coli</i>			cfu/100mL	
		Biochemical Oxygen Demand			mg/L	
		Total Suspended Solids				
		Residual Chlorine ¹				
		Total Nitrogen				
		Total Phosphorus				
Gabion outlet at Boolgeeda Creek dewatering discharge point	Refer to Schedule 1: Maps, Figure 3	Volumetric flow rate	Continuous	Monthly	m ³	AS/NZS 5667.6

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

14. The licence holder must ensure that all analysis undertaken pursuant to condition 13 is undertaken by a holder of a current accreditation from the National Association of Testing Authorities (NATA) for the methods of sampling and analysis relevant to the corresponding relevant parameter.

Records and reporting

15. The licence holder must:
- (a) prepare an Environmental Report that provides information in accordance with Table 5 for the preceding two annual periods, and
 - (b) submit that Environmental Report to the CEO by 30 April every second year.

Table 5: Environmental Reporting requirements

Condition	Requirement
-	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

Condition	Requirement
13, Table 4	<ul style="list-style-type: none"> • results; • comparison of results against previous monitoring results and relevant guidelines; and • summary of emissions and discharges monitoring
16	Annual Audit Compliance Report
17	Complaints summary
-	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

- 16.** 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 30 April each year for the annual period an Annual Audit Compliance Report in the approved form.
- 17.** 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.
- 18.** 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 5 of this licence;
 - (c) any maintenance of infrastructure that is performed in the course of complying with condition 9 of this licence;
 - (d) monitoring programmes undertaken in accordance with condition 13, Table 4 of this licence; and
 - (e) complaints received under condition 17 of this licence.
- 19.** The books specified under condition 18 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.

Definitions

In this licence, the terms in Table 6 have the meanings defined.

Table 6: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 01 January until 31 December in the same year
Australian Standard 5667	means the most recent version and the relevant parts of the Australian and New Zealand series of guidance standards on Water Quality Sampling
BOD	Biochemical Oxygen Demand
books	has the same meaning given to that term under the EP Act.
BS4	means Brockman Syncline 4
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: <p style="margin-left: 40px;">Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919</p> or: info@dwer.wa.gov.au
cfu/100mL	means colony forming units per 100 millilitres
Clean Fill	has the meaning defined in Landfill Definitions
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
Inert Waste Type 1	has the meaning defined in Landfill Definitions
Inert Waste Type 2	has the meaning defined in Landfill Definitions

Term	Definition
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
monthly period	means a one-month period commencing from the first calendar day of a month until the final calendar day of the same month.
NATA	means 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	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
Putrescible Waste	has the meaning defined in Landfill Definitions
Quarterly	means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December in the same year
SCADA	means Supervisory Control and Data Acquisition, being a system used to remotely monitor, control and record the operation of pipeline infrastructure.
Special Waste Type 1	has the meaning defined in Landfill Definitions
Tipping area	means the area of the landfill where waste is currently being disposed
TN	Total Nitrogen
TP	Total Phosphorus
TSS	Total Suspended Solids
Uncontaminated Fill	has the meaning defined in Landfill Definitions
waste	has the same meaning given to that term under the EP Act.
WWTPs	means Wastewater Treatment Plants

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below.

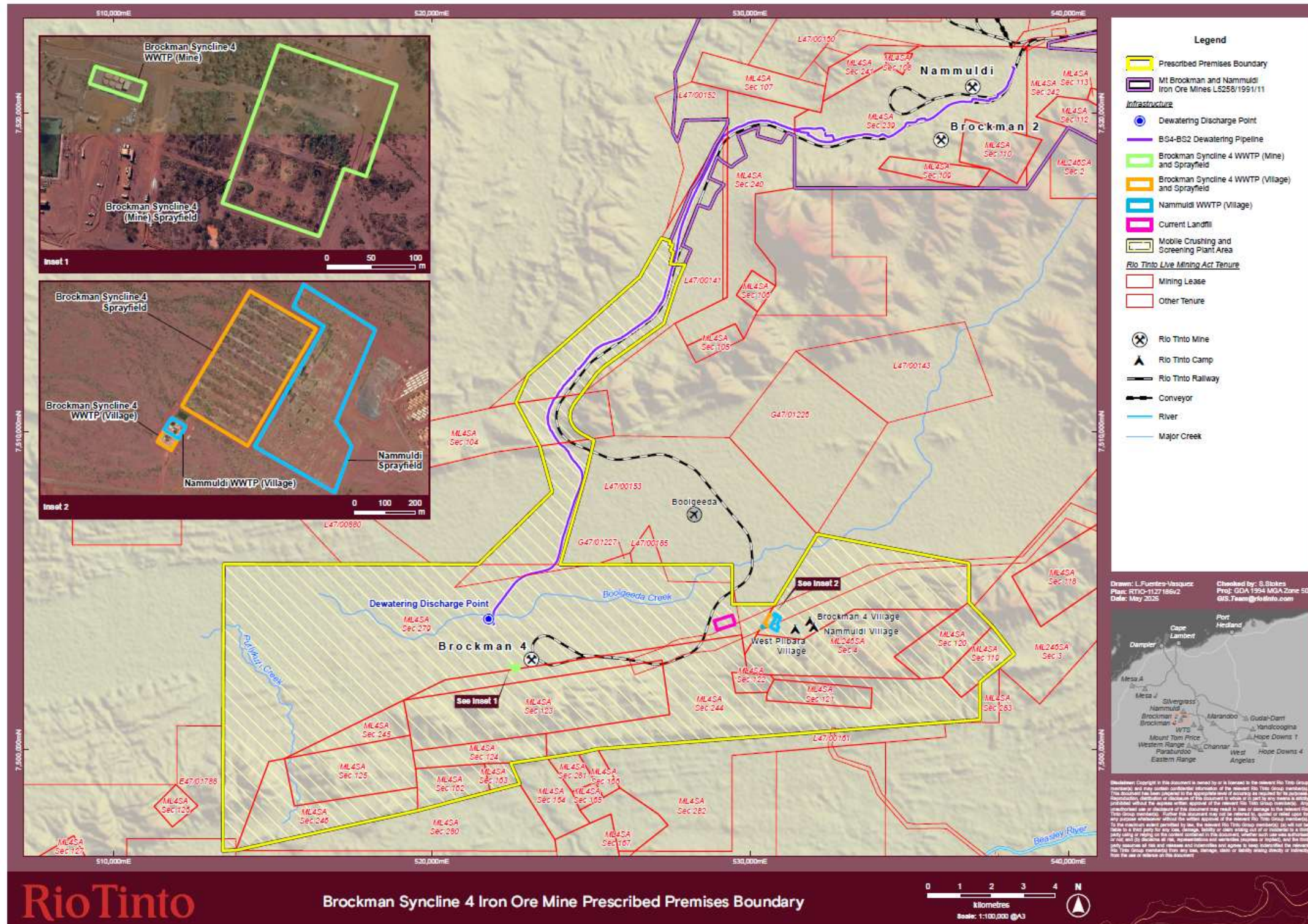


Figure 1: Map of the boundary of the prescribed premises

L8232/2008/2 (Amended: 05 June 2026)

IR-T06 Licence template (v10.0) (May 2024)



Figure 2: Location of Waste Water Treatment Plants at the Premises

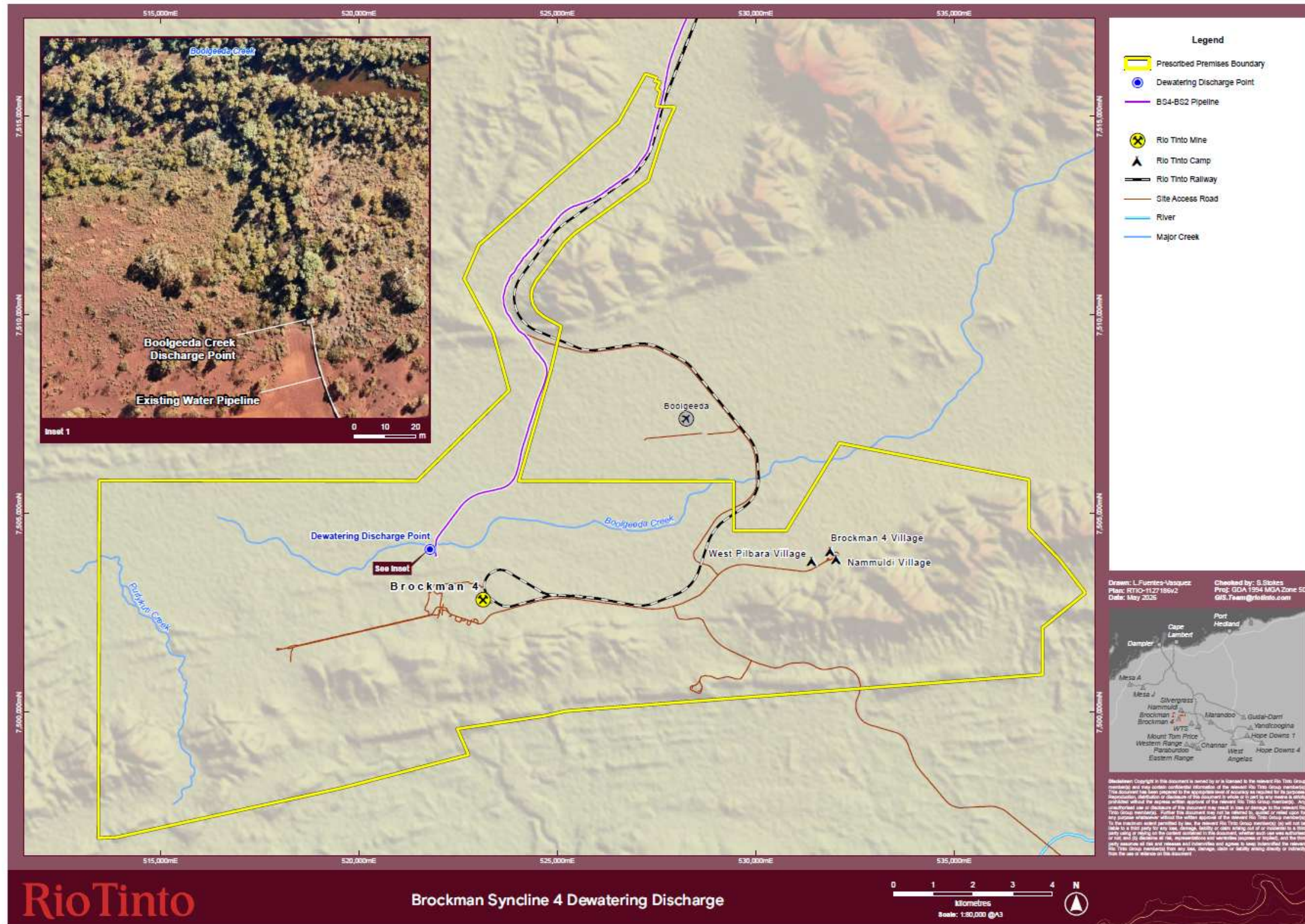


Figure 3: Dewatering discharge point

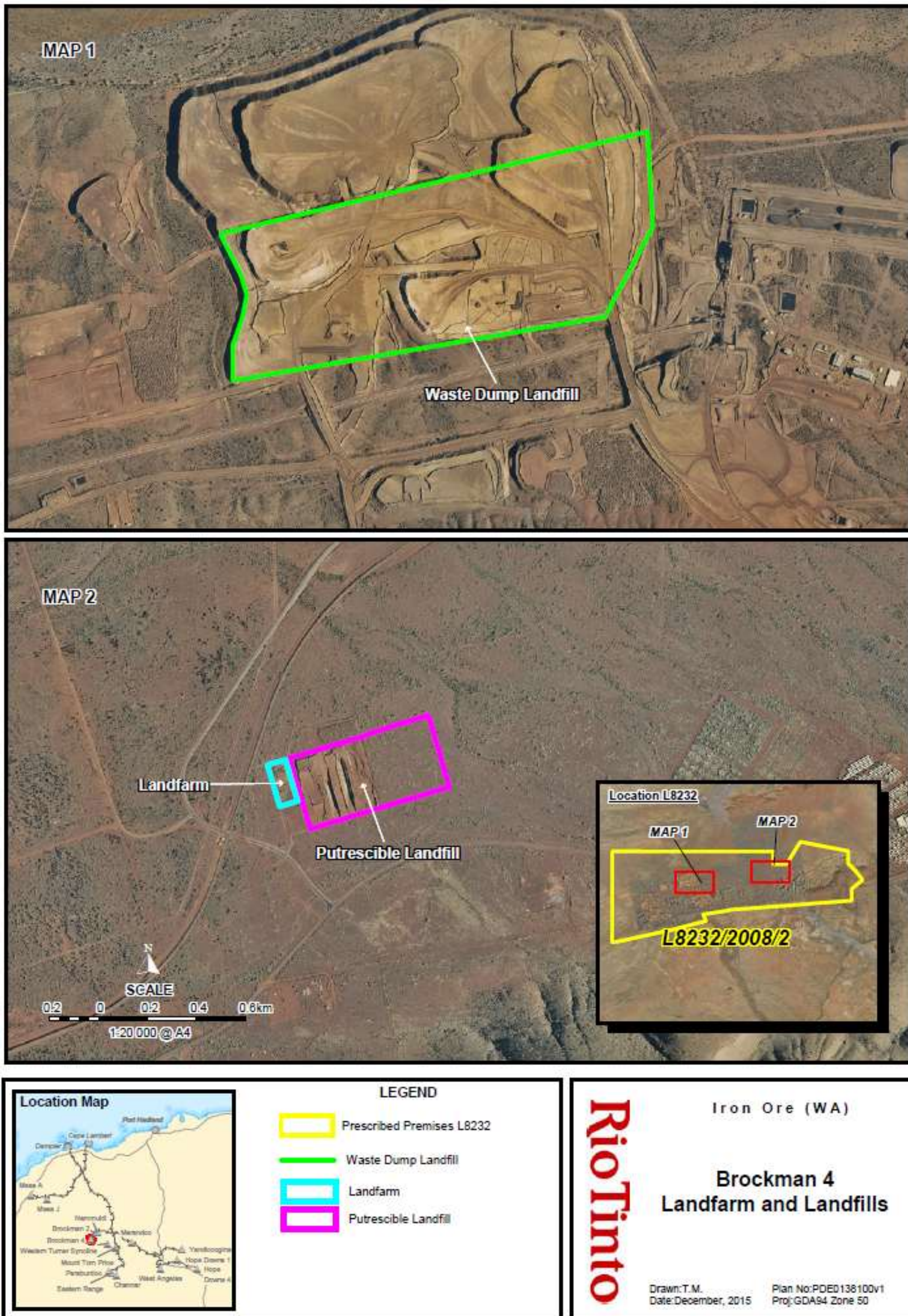


Figure 4: Current Waste Dump Landfill and Putrescible Landfill

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 7.

Table 7: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	527460	7515883	50
2.	527579	7515860	
3.	527580	7515862	
4.	527554	7515795	
5.	527553	7515794	
6.	527499	7515686	
7.	527596	7515630	
8.	527494	7515260	
9.	527633	7515246	
10.	527658	7515244	
11.	527666	7515244	
12.	527709	7515247	
13.	527916	7515238	
14.	527946	7515237	
15.	527947	7515238	
16.	527961	7515237	
17.	527705	7514660	
18.	527293	7513389	
19.	525426	7512049	
20.	525182	7511815	
21.	524801	7511300	
22.	524715	7511182	
23.	524469	7510864	

24.	524368	7510660	
25.	524342	7510463	
26.	524383	7510276	
27.	524494	7510093	
28.	524672	7509952	
29.	525012	7509763	
30.	525098	7509716	
31.	524856	7508686	
32.	524030	7505823	
33.	523036	7505824	
34.	522944	7505824	
35.	521462	7505823	
36.	523787	7508102	
37.	523390	7509541	
38.	522651	7510915	
39.	523027	7511766	
40.	523624	7512290	
41.	526541	7514855	
42.	526821	7515355	
43.	526821	7515356	
44.	527221	7516067	
45.	527497	7515975	
46.	527460	7515883	