Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W3141/2025/1
Works approval holder	Talison Lithium Pty Ltd
ACN	139 401 308
Registered business address	Level 17, 216 St Georges Terrace PERTH WA 6000
DWER file number	APP-0032149
Duration	28/04/2026 to 27/04/2029
Date of issue	28 April 2026
Premises details	Talison Lithium Mine Maranup Ford Road Legal description - Mining Tenements M01/3, M01/6, M01/7, M01/8 M01/9 and M/16, L70/232 and L70/244 General Purpose Lease G01/1 and G01/4 As defined by the Premises map in Schedule 1 and coordinates in Schedule 2

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	7,100,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 28 April 2026, by:

Michael Greenslade
Digitally signed by Michael Greenslade
Date: 2026.04.28 09:00:47 +08'00'

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

Works approval history

Date	Reference number	Summary of changes
28/04/2026	W3141/2025/1	Works approval granted.

Interpretation

In this works approval:

(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 works approval:

(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 works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

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

Construction phase

Infrastructure and equipment

1. The works approval 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; and

as set out in Table 1.

Table 1: Design and construction / installation requirements

Infrastructure	Design and construction / installation requirements	Infrastructure location
Temporary Collection Sumps within TSF1	a) constructed within TSF1 for the purpose of capturing potentially contaminated water from within TSF1 (either surface or groundwater incursion); b) be designed and constructed to provide sufficient capacity to manage all anticipated inflows without uncontrolled discharge; and c) be designed and constructed to ensure that that all water captured within the sumps is pumped to the TSF2 or TSF4 decant ponds, or the Mine Water Circuit.	Within TSF1, as indicatively shown in Figure , Schedule 1.

2. The works approval holder must design, construct and install groundwater monitoring wells in accordance with the requirements specified in Table 2.

Table 2: Infrastructure installation requirements - groundwater monitoring wells

Infrastructure	Design, construction, and installation requirements	Monitoring well locations
Groundwater monitoring well(s) MB25-08, MB25-10 and MB25-14	<u>Well design and construction:</u> Designed and constructed in accordance with *ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores*. Well screens must target the part, or parts, of the aquifer most likely to be affected by contamination[1]. Where temporary/seasonal perched features are present, wells must be nested, and the perched features individually screened.	As shown in Figure 3, Schedule 1.
	<u>Logging of borehole:</u> Soil samples must be collected and logged during the installation of the monitoring wells. A record of the geology encountered during drilling must be described and classified in accordance with the *Australian Standard Geotechnical Site Investigations AS1726.* Any observations of staining / odours or other indications of contamination must be included in the bore log.	

Infrastructure	Design, construction, and installation requirements	Monitoring well locations
	Well construction log: Well construction details must be documented within a well construction log to demonstrate compliance with *ASTM D5092/D5092M-16*. The construction logs shall include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations.	
	Well development: All installed monitoring wells must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the well screen to ensure the hydraulic functioning of the well. A detailed record should be kept of well development activities and included in the well construction log.	
	Installation survey: The vertical (top of casing) and horizontal position of each monitoring well must be surveyed and subsequently mapped by a suitably qualified surveyor.	
	Well network map: A well location map (using aerial image overlay) must be prepared and include the location of all monitoring wells in the monitoring network and their respective identification numbers.	

Note 1: refer to Section 8 of Schedule B2 of the *Assessment of Site Contamination NEPM* for guidance on well screen depth and length.

Compliance report

3. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by conditions 1 being constructed and/or installed:

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

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

4. The Environmental Compliance Report required by condition 3, must include as a minimum the following:

(a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

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

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

5. The works approval holder must, within 60 calendar days of the monitoring wells specified in condition 2 being constructed, submit to the CEO a well construction report evidencing compliance with the requirements of condition 2.

Time limited operations

6. The works approval holder may only commence time limited operations for an item of infrastructure identified in Table 1 when the Environmental Compliance Report, as required by condition 3 has been submitted by the works approval holder for that item of infrastructure.

7. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1:

(a) for a period not exceeding 270 calendar days from the day the works approval holder meets the requirements of condition 6 for that item of infrastructure; or

(b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in condition 7(a).

8. During time limited operations, the works approval holder must ensure that re-mining activities within TSF1 (to Zone 5) are conducted in accordance with the requirements under L4247/1991/13 (as it relates to the management of dust emissions and operational requirements for the excavation of materials from within TSF1).

9. During time limited operations, the works approval holder must ensure that:

(a) suitable ongoing sampling and analysis[1] is conducted on the material within the TSF1 (to Zone 5) to obtain representative data on tailings geochemical characterisation; and

(b) re-mining activities within TSF1 are conducted in such a manner to minimise excavation and mining in areas of high contamination risk for contaminants of potential concern in including but limited to arsenic.

10. During time limited operations, the works approval holder must ensure that stormwater collected within TSF1, groundwater intercepted during re-mining activities, or residual tailings decant water is directed to the TSF1 temporary collection sumps for pumping to the Mine Water Circuit and / or the decant ponds at TSF2 or TSF4.

11. During time limited operations, the works approval holder must ensure that the temporary collection sumps within TSF1 are operated in such a manner to prevent overflow events or uncontrolled discharges.

12. During time limited operations, the works approval holder must:

(a) undertake inspections as detailed in Table 3;

(b) where any inspections identifies that an appropriate levels of environmental protection is not being maintained, take correct 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 inspections	Type of inspection	Frequency of inspection
Collection sumps	a) Visual integrity; and b) Freeboard	Daily

[1] Using methods such as US Geological Survey Procedure for composite sampling

Groundwater monitoring during time limited operations

13. The works approval holder must conduct groundwater monitoring in accordance with the requirements of Schedule 3 and:

(a) for the corresponding parameter;

(b) at the corresponding frequency;

(c) in the corresponding unit; and

(d) following the corresponding method and detail;

for monitoring wells in accordance with Table 4.

Table 4: Groundwater monitoring prior to time limited operations

Monitoring well location	Parameter[2]	Unit	Frequency	Method
Three bores (shallow, intermediate and deep) for each of the following TSF1 locations as installed according to condition 2: • MB25-08, • MB25-10 and • MB25-14	Standing water level	Metres below ground level (m bgl)	A single sampling event undertaken between 1 and 60 calendar days following commencement of time limited operations, and quarterly thereafter	AS/NZS 5667.1 & AS/NZS 5667.11
	pH[1]	pH units		
	Electrical conductivity	µS/cm		
	Total dissolved solids	(TDS)		
	Hardness	mg/L		
	Dissolved oxygen[1]	mg/L		
	Major cations and anions • Calcium • Chloride • Magnesium • Manganese • Nitrate • Phosphate • Potassium • Sodium • Sulfate **Total and dissolved metals, metalloids and non-metals** • Aluminium • Antimony • Arsenic • Barium • Beryllium • Boron • Cadmium • Chromium III • Chromium VI • Cobalt • Copper • Iron • Lead • Lithium • Mercury • Molybdenum	mg/L		

	• Nickel • Radium 226 • Radium 228 • Rubidium • Selenium • Strontium • Thallium • Thorium • Tungsten • Tin • Uranium • Zinc			

Note 1: In-field non-NATA accredited analysis permitted
Note 2: Samples are to be filtered and measured at the appropriate LORs so as to allow comparison with relevant water quality criteria (including for aquatic ecology and human health)

14. The works approval holder must adhere to the field quality assurance and quality control procedures specified in Schedule 3 for the monitoring required by condition 13.

15. The works approval holder must ensure that all sample analysis is undertaken by laboratories with current accreditation from the National Association of Testing Authorities (NATA) for the relevant parameters, unless otherwise specified in condition 13.

16. The works approval holder must submit to the CEO, within 60 calendar days of completing monitoring required by condition 13, a monitoring report demonstrating their compliance with condition 13, and must include:

(a) a clear statement of the scope of work carried out;

(b) a description of the field methodologies employed;

(c) a summary of the field and laboratory quality assurance / quality control (QA/QC) program;

(d) copies of the field monitoring records and field QA/QC documentation;

(e) an assessment of reliability of field procedures and laboratory results;

(f) a tabulated summary of results, as well as all raw data provided in an accompanying Microsoft Excel spreadsheet digital document/file (or a compatible equivalent digital document/file), with all results being clearly referenced to laboratory certificates of analysis;

(g) a diagram with aerial image overlay showing all monitoring locations and depicting groundwater level contours, flow direction and hydraulic gradient (relevant site features including discharge points and other potential sources of contamination must also be shown);

(h) an interpretive summary and assessment of the results against relevant assessment levels for water, as published in the Guideline Assessment and management of contaminated sites[1];

(i) trend graphs to provide a graphical representation of historical results and to support the interpretive summary.

Note 1: General guidance on report presentation can be found in the Department's *Guideline: Assessment and management of contaminated sites*.

Records and reporting (general)

17. The works approval holder must record the following information in relation to complaints received by the works approval 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 works approval holder to investigate or respond to any complaint.

18. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:

(a) the works conducted in accordance with condition 1 and 2;

(b) any maintenance of infrastructure that is performed in the course of complying with condition 1 and 3; and

(c) complaints received under condition 6.

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 works approval holder for the duration of the works approval; and

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

Definitions

In this works approval, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
Assessment of Site Contamination NEPM	means the *National Environment Protection (Assessment of Site Contamination) Measure 1999*, as amended from time to time.
AS/NZS 1726	means the Australian Standard AS/NZS 1726 (geotechnical site investigations)
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.*
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 *Water Quality - Sampling Guidance on sampling of groundwaters.*
ASTM D5092/D5092M-16	Means the ASTM international standard for *Standard practice for design and installation of groundwater monitoring wells* (Designation: ASTM D5092/D5092M-16).
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V Division 3 of the EP Act.
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.
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 works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
Freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point.
Guideline: Assessment and management of contaminated sites	means the Department of Water and Environmental Regulation *Guideline for the assessment and management of contaminated sites*, as updated from time to time.

Term	Definition
L4247/1991/13	Means the licence issued under Part V of the EP Act to Talison Lithium Australia Pty Ltd for the Talison Lithium Mine
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.
NEPM	means the "*National Environment Protection (Assessment of Site Contamination) Measure*, as updated from time to time.
premises	the premises to which this works approval applies, as specified at the front of this works approval and as shown on the premises map Figure 1 in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
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, 1 April to 30 June.
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
suitably qualified engineer	Means a competent professional who: (a) holds a qualification in civil or geotechnical engineering or equivalent; and (b) has a minimum of at least three years' experience working as a civil or geotechnical engineer.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Premise Maps

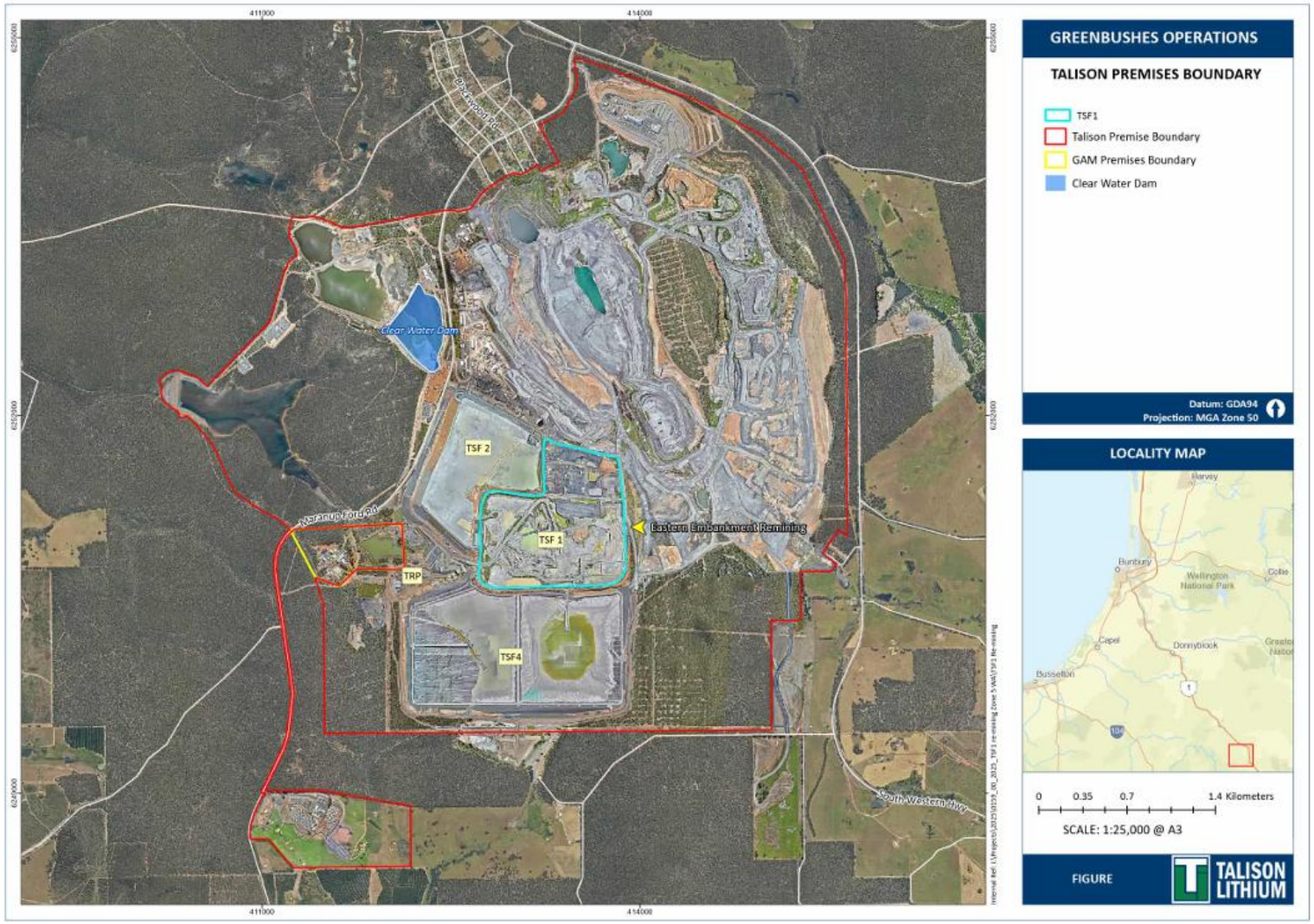

Figure 1: Map of the boundary of the prescribed premises

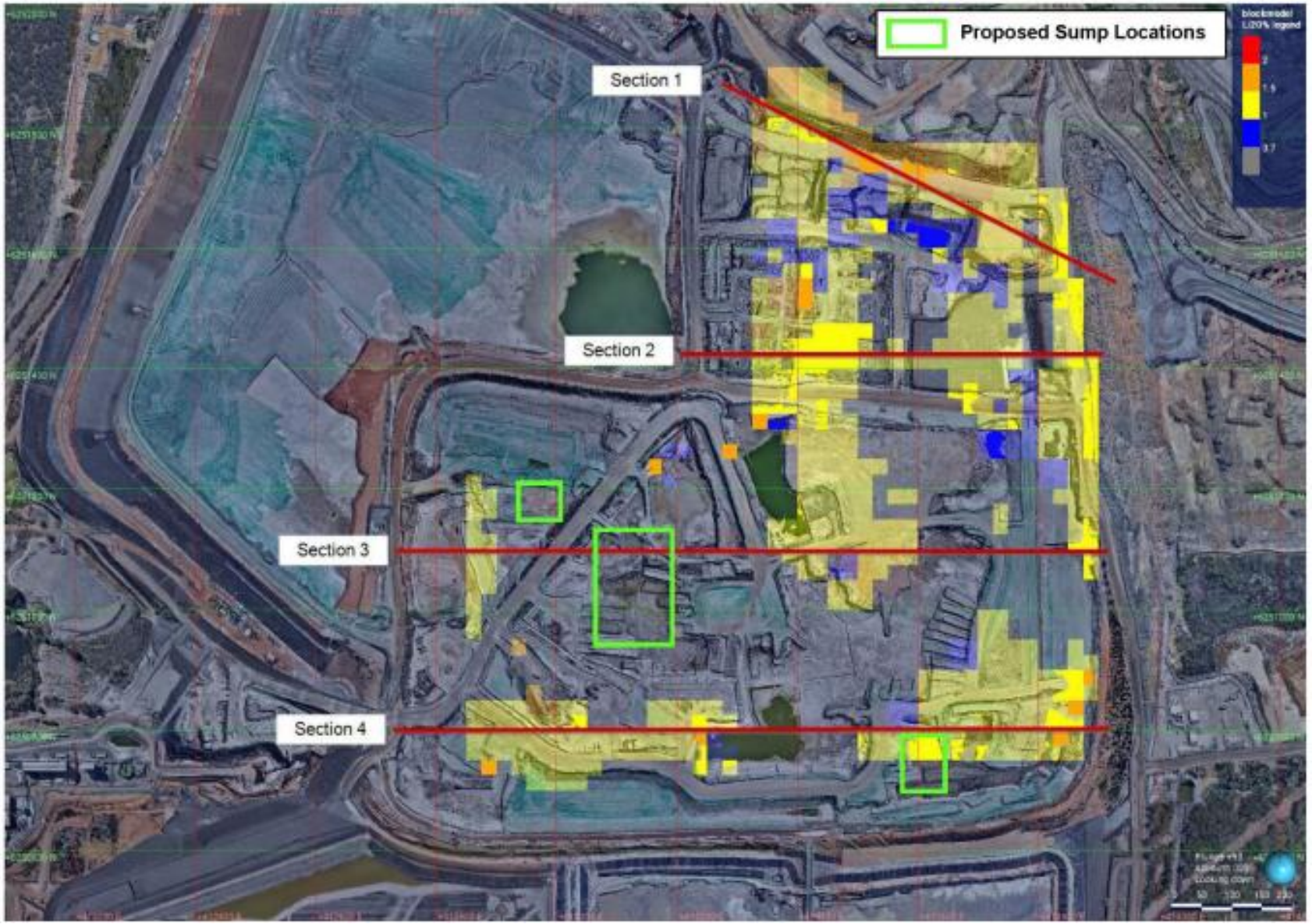

Figure 2: Proposed sump locations

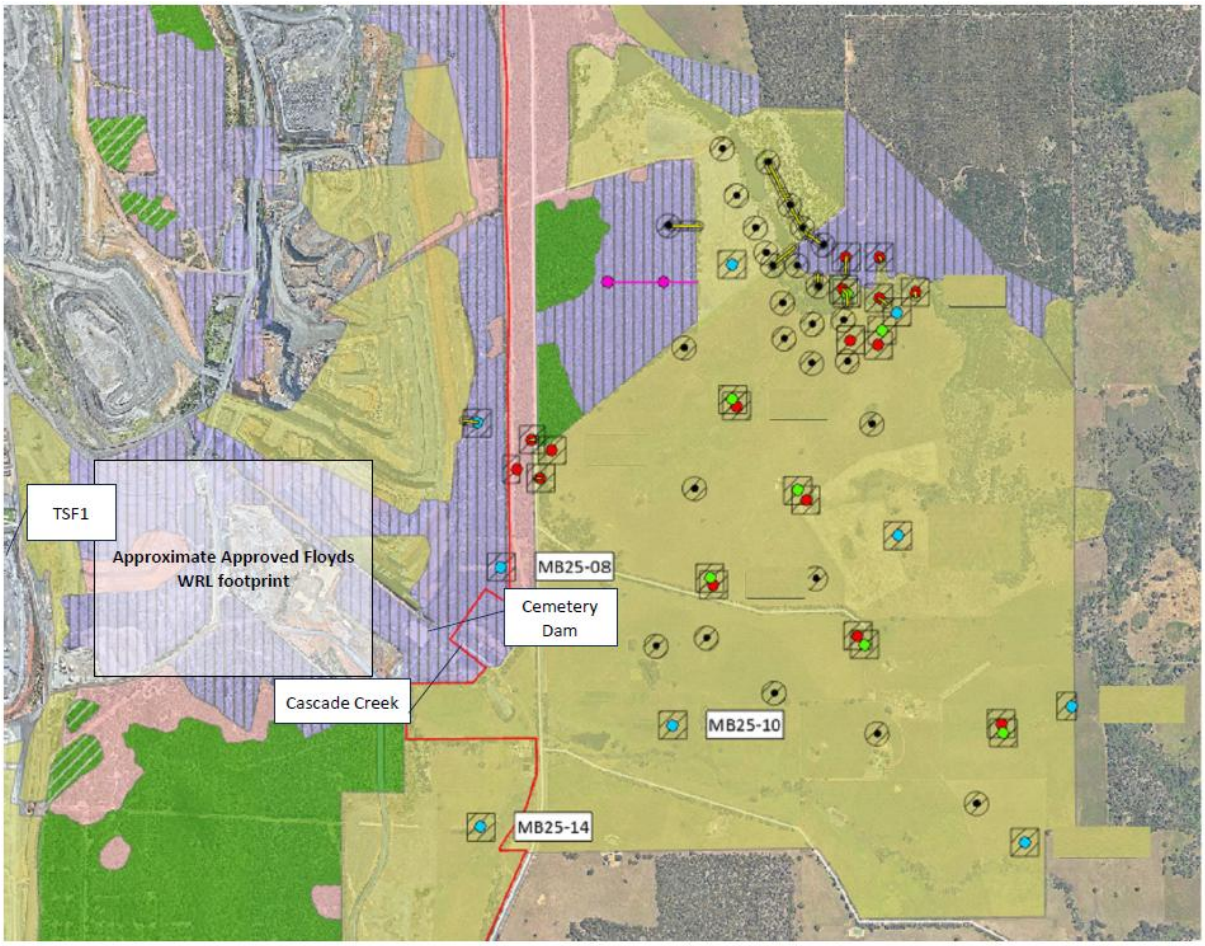

Figure 3: Groundwater monitoring bores

Schedule 2: Premises boundary coordinates

The corners of the premises boundary are the coordinates listed in Table 6

Table 6: Premises boundary coordinates (GDA 2020)

Point	Easting	Northing	Longitude	Latitude
0	413491.6	6254846	116.065	33.84311
1	414589.8	6254424	116.0768	33.84701
2	415387	6253739	116.0853	33.85325
3	415623.6	6253239	116.0879	33.85777
4	415645	6251043	116.0879	33.87758
5	415447.7	6250904	116.0857	33.87882
6	415511.3	6250761	116.0864	33.88012
7	415275.2	6250378	116.0838	33.88355
8	415036.7	6250372	116.0812	33.88359
9	415043.1	6249502	116.0812	33.89143
10	411429.1	6250689	116.0423	33.88042
11	412131.3	6250772	116.0499	33.87974
12	412110.7	6251139	116.0497	33.87643
13	411221.4	6251092	116.0401	33.87677
14	410779.8	6251389	116.0353	33.87406
15	410470.4	6251931	116.032	33.86914
16	410225.1	6252110	116.0294	33.86752
17	410372.2	6252343	116.031	33.86542
18	410563.1	6252230	116.033	33.86646
19	411058.6	6252738	116.0385	33.86192
20	411213.3	6253422	116.0402	33.85577
21	411233.9	6253569	116.0404	33.85444
22	411936.3	6253532	116.048	33.85484
23	412611.3	6253628	116.0553	33.85403
24	413053.4	6253910	116.0601	33.85152
25	413357.5	6254005	116.0634	33.85068
26	413200	6254301	116.0618	33.848
27	411212.8	6249454	116.0398	33.89155
28	411180.7	6249355	116.0394	33.89243
29	411022.5	6249000	116.0377	33.89563
30	410989.9	6249000	116.0373	33.89562
31	411161.9	6249363	116.0392	33.89237
32	411193.1	6249458	116.0396	33.89151
33	411253.5	6249789	116.0403	33.88853
34	411233.2	6249789	116.04	33.88853

35	411111.4	6250771	116.0388	33.87966
36	411091.4	6250770	116.0386	33.87967
37	411447.5	6249023	116.0423	33.89545
38	412177.3	6248896	116.0502	33.89666
39	412181.1	6248416	116.0502	33.90099
40	411246.2	6248406	116.04	33.901
41	410907.3	6248634	116.0364	33.89892
42	411496.5	6249474	116.0429	33.89139
43	411755.3	6250784	116.0458	33.8796
44	411613.7	6250646	116.0442	33.88083

Schedule 3: Monitoring quality assurance and quality control

The works approval holder must adhere to the following field quality assurance and quality control procedures, as specified in Schedule B2 of the Assessment of Site Contamination NEPM, and must include as a minimum:

(a) decontamination procedures for the cleaning of tools and sampling equipment before sampling and between samples;

(b) field instrument calibration for instruments used on site;

(c) blind replicate samples and rinsate blanks must be collected in the field and sent to the primary laboratory to determine the precision of the field sampling and laboratory analytical program;

(d) completed field monitoring sheets / sampling logs for each sample collected, showing:

  (i) time of collection;

  (ii) location of collection;

  (iii) initials of sampler;

  (iv) sampling method;

  (v) field analysis results;

  (vi) duplicate type / location (if relevant); and

  (vii) site observations and weather conditions, and

(e) chain-of-custody documentation must be completed which details the following information:

  (i) site identification;

  (ii) the sampler;

  (iii) nature of the sample;

  (iv) collection time and date;

  (v) analyses to be performed;

  (vi) sample preservation method;

  (vii) departure time from site;

  (viii) dispatch courier(s); and

  (ix) arrival time at the laboratory.