



Golden Range Project

South Murchison Region, Western Australia



Annual Environmental Report

1st Jan – 31st Dec 2025

Prescribed Premises Licence

L8402/2009/2

28 February 2026

Department of Water and Environmental Regulation (DWER)

DC Mines Pty Ltd / Warriedar Resources Limited

Document Title: Golden Range Project
2025 Annual Environmental Report
L8402/2009/2

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Disclaimer

This document has been prepared for, and submitted to, the Department of Water and Environmental Regulation to satisfy condition 3.2.1 of Prescribed Premises Licence L8402/2009/2. It should not be relied on by any other person, nor for any other purpose.

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1 INTRODUCTION

1.1 Ownership & Location

DC Mines Pty Ltd (**DC Mines**) operates the Golden Range Project (Golden Range or The Project), located approximately 450km north-east of Perth and 70km south of the town of Yalgoo, Western Australia (Figure 1-1). The Project is located on mining and exploration tenements totalling approximately 412 km² (Figure 1-2).

DC Mines Pty Ltd (**DC Mines**) is owner of the Project, which was acquired from Minjar Gold Pty Ltd. (**Minjar**) in November 2022. Golden Range has remained in care and maintenance since mid-2019 when mining and processing ceased. References remain on some figures and formal documentation to 'Golden Dragon' and 'Minjar', which now refer to Golden Range and DC Mines / Warriedar.

DC Mines owns the tenements and associated infrastructure, apart from the accommodation village, which was sold to Fenix Shine Pty Ltd (**Fenix**) in August 2024. DC Mines became a wholly owned subsidiary of Warriedar Resources Limited (**Warriedar**) in February 2023 and has appointed Warriedar as Mine Operator for the purposes of the *Work Health and Safety (Mines) Regulations 2022*. Warriedar was acquired by Capricorn Metals Ltd (**Capricorn**) in November 2025.

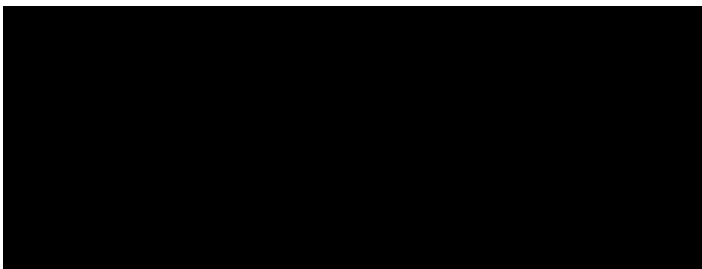
Warriedar has been actively drilling since January 2023 to define the resources required to underpin a return to mining. In parallel, the company is progressing studies and environmental approvals to facilitate this return to operations.

The Project has been assessed as a Prescribed Premises, category 5 (Processing or beneficiation of metallic or non-metallic ore) and Category 64 (Class II or III putrescible Landfill site) under schedule 1 of *Environmental Protection Act 1986*. Prescribed Premise Licence (L8402/2009/2) is in place, which authorises operation of the processing plant, tailings dam and landfill. Figure 1-3 shows the TSF Infrastructure and Plant layout, and Figure 1-4 the current Prescribed Premises boundary.

The Prescribed Premises Licence (L8402/2009/2) was transferred to DC Mines on 20 April 2023, and remains subject to all previous licence conditions. Key contact details at submission of this AER are below:

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1.2 Purpose

This document has been prepared to satisfy condition 3.2.1 of L8402/2009/2: *The Licence holder must submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period.* The AER contains the information specified in Table 6 of the licence, also Condition 3.2.2: *The Licence holder must ensure that the AER also contains: (a) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets.*

The AER also contains an assessment of compliance against licence conditions (Condition 3.3) and the signed Annual Audit Compliance Report (AACR) (Condition 3.1.2) as Appendix 1 for the 2025 annual period. This report covers the reporting period from 1 January – 31 December 2025.

1.3 Licence History

The licence was re-issued on 29/01/2015 in REFIRE format. Key conditions of the licence remained the same, however new standard conditions were included. An Amendment Notice was issued on 22/05/2017 authorising an increase in throughput to 950,000 tonnes per annum, plus operation of the new TSF Cell C and associated monitoring bores. In March 2018 an additional amendment authorised a Category 64 Landfill on the Premises.

An amendment was sought in November 2020 to modify the boundary of the Prescribed Premises, to prevent overlap of boundaries with the neighbouring 'Shine' Iron Ore Project. The amendment was approved on 21/12/2020. No amendments to the licence occurred during 2021 or 2022.

On 27 February 2023 the application to transfer ownership of L8402/2009/2 was submitted, and the transferred licence was granted to DC Mines on 20/04/2023, subject to all previous licence conditions. In 2025 an amendment was instigated by DWER to extend the duration of the licence to 31 January 2031.

1.4 Project History

The Project tenements were first systematically explored by Normandy Exploration in the late 1980's and 1990's, with Gindalbie Gold N.L purchasing the Project in December 1999. Gindalbie formed the operating company Minjar Gold and constructed a 500,000 t/annum carbon in leach (CIL) treatment facility in 2000 (later expanded to 650,000 t/annum). Ore was generated from a series of small to mid-sized open-pits at the M1, Windine Well, Silverstone and Bug Eye deposits along a strike length of 15 km (Figure 1) between December 2001 and June 2004. The plant reverted to care and maintenance in July 2004.

In July 2006 Monarch Gold Mining Pty Ltd acquired the tenement leases, which remained in care and maintenance during their ownership. In March 2009 Golden Stallion Resources purchased the project, and in July of that year Shandong Tianye Gold Mining Co. Ltd. purchased 51% of the Project, forming a joint venture arrangement. The Project went into trial production in December 2009 and continued operation until May 2010 when it was returned to care and maintenance.

The Project was subsequently purchased outright by Shandong Tianye Group (Minjar Gold Pty Ltd). Minjar developed resources, acquired approvals and re-commenced operations in mid-2013, continuing uninterrupted until it was placed in care and maintenance in July 2019.

During 2022 Minjar entered sales negotiations for the Project with DC Mines Pty Ltd. The preliminary sales agreement document was signed on 24 June 2022, with formal completion of the agreement on 23 November 2022. Transfer of the Prescribed Premises Licence to DC Mines occurred on 20 April 2023. DC Mines was acquired by ASX-listed Warriedar Resources Limited (**Warriedar**) in February

2023, and remains a wholly owned subsidiary. Warriedar was acquired by ASX-listed Capricorn Metals Ltd (**Capricorn**) on 25 November 2025 and delisted from ASX.

References remain on figures and formal documentation (including L8402/2009/2) to the Golden Dragon Project or Minjar, which now refers to Golden Range owned by DC Mines.

Mining was suspended in May 2019 and processing of ore was suspended in August 2019, from which time the site has been in care and maintenance. An active exploration program has been ongoing since that time, along with ancillary activities such as running the accommodation camp (until its sale to Fenix in August 2024) and maintenance of roads and equipment.

A revised and updated Care and Maintenance Environmental Management Plan (**C&M EMP**) was prepared and submitted to government regulators (DWER and DMPE) at the end of November 2025. This plan details the environmental monitoring, management and reporting requirements of the site, including for L8402/2009/2. The site continues to operate under this C&M EMP.

The Project remained in care and maintenance for the whole of the 2025 reporting period, with no mining or processing occurring during this time.

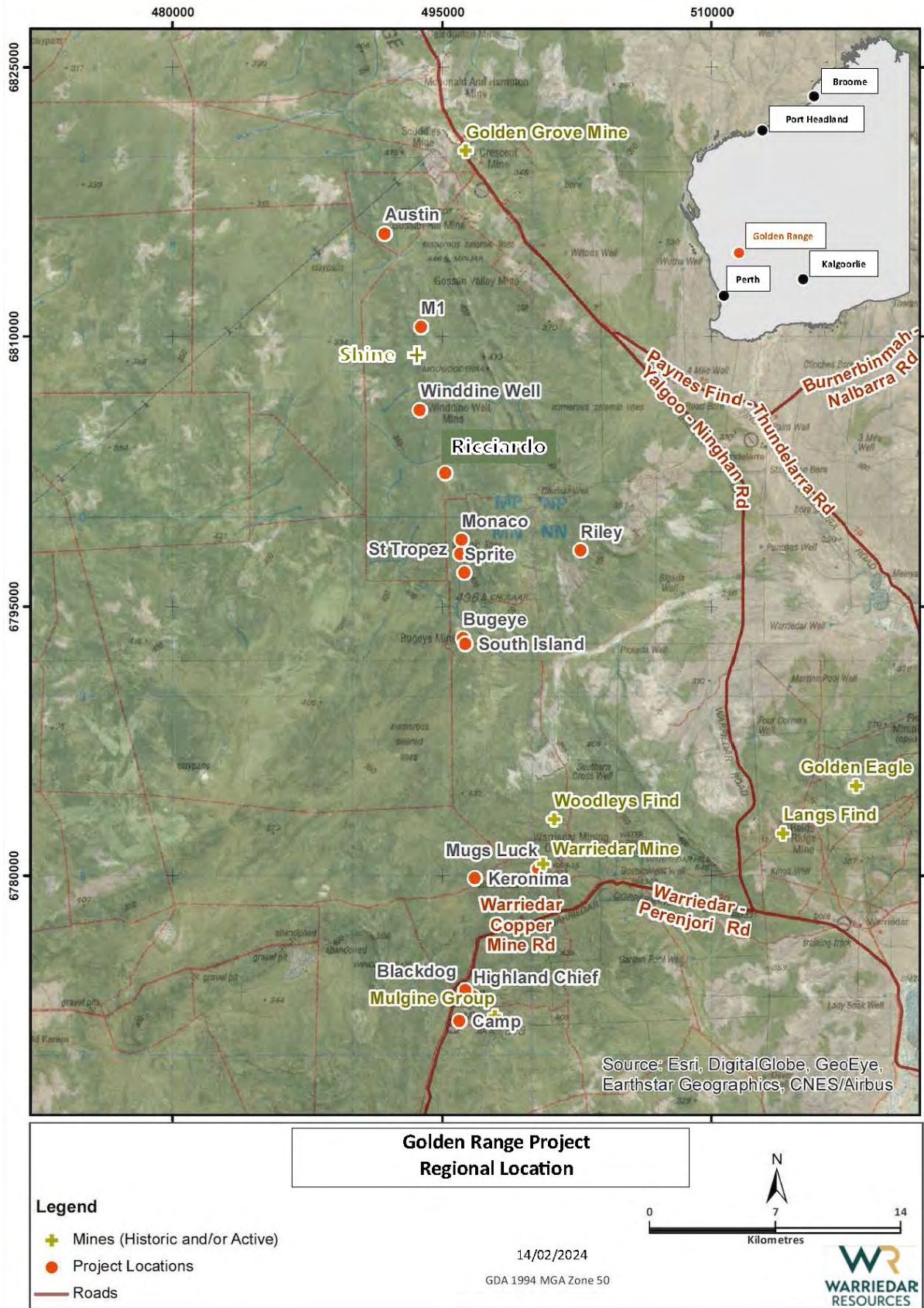


Figure 1-1: Golden Range Project - Regional Location

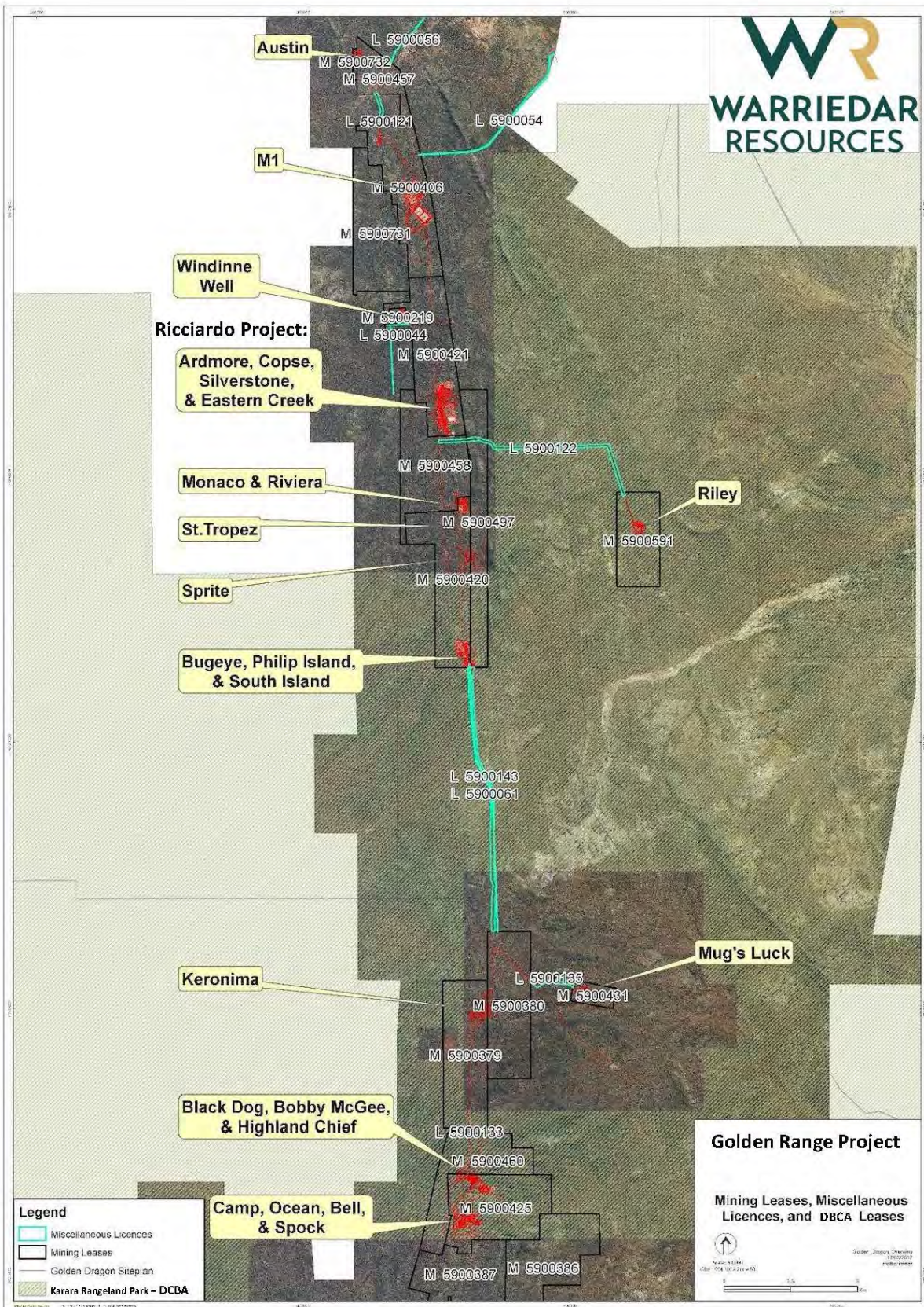
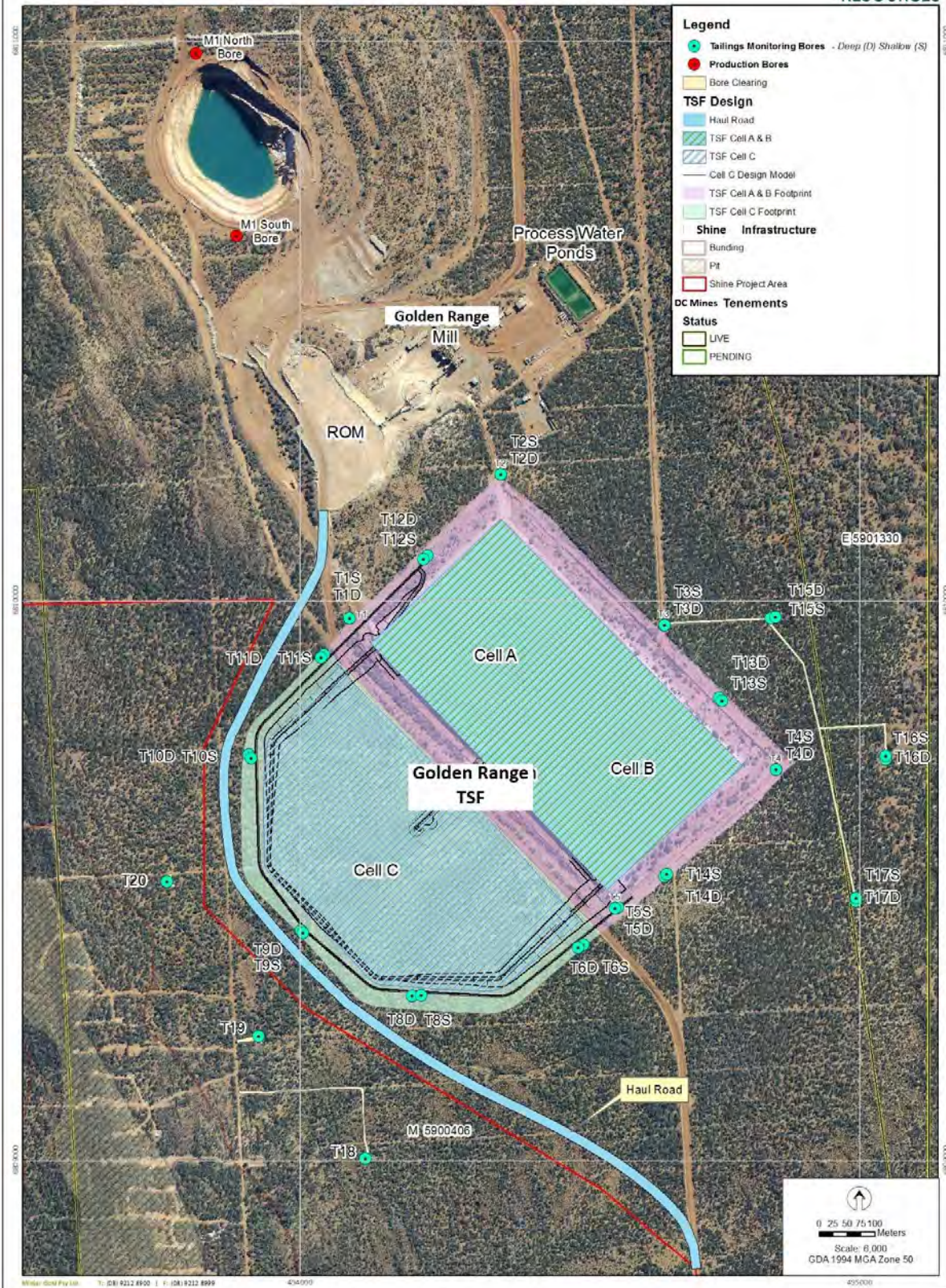


Figure 1-2: Golden Range Project - Layout



Path: G:\Maps\Map Documents\MG201-MG300\MG224 TSF Cell C\TSF Bores 6k Portrait_20170225.mxd

Figure 1-3: TSF Infrastructure and Plant layout



Figure 1-4: Prescribed Premises Boundary

1.5 Approvals History

Mining and processing re-commenced at Golden Range (previously Golden Dragon) in June 2013 at existing pits which had approvals in place or required only minor variations. Approval was also obtained for the Camp to be expanded from 108 rooms to 176 rooms (Reg. ID: 40100) in July 2013 for increased operations staff.

Prior to and during 2013 extensive exploration drilling, resource evaluation and environmental surveys were undertaken to underpin the return to mining in 2013. Approval documents, management plans and strategies were developed and associated stakeholder consultation undertaken in order to recommence operations and expand to new areas.

The Project had an existing licensed processing plant and tailings storage facility (L8402/2009/1) with a Works Approval in place to raise the tailings dam walls (W4576/2009/1). A groundwater licence (GWL 169526) was also in place to allow water abstraction from Silverstone and M1 for ore processing, dust suppression and camp water. Mining had previously occurred at Bugeye, M1, Monaco, Windinne Well, Highland Chief and Silverstone/Eastern Creek. These projects were approved by various Notice of Intent and Mining Proposals regulated by the Department of Mines, Industry Regulation and Safety (DMIRS) under the *Mining Act 1978*.

The Project lies in an area of high conservation values, with many species of plants and animals protected under state and federal legislation. Part of the project also lies within the Karara Rangeland Park; owned and managed for conservation purposes by the state government Department of Biodiversity, Conservation and Attractions (DBCA).

In March 2013 the Project was referred to the (West Australian) Environmental Protection Authority (EPA) for assessment under Part IV of the *Environmental Protection Act 1986*. In April 2013 it was also referred to the (federal) Department of Sustainability, Environment, Water, Population and Communities (SEWPaC), for assessment under the *Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)*.

Flora and fauna surveys conducted to date had recorded no Declared Rare Flora, though it is known from the area. A variety of Priority Flora is found in disturbance areas plus the Malleefowl (*Leipoa ocellata*), Western Spiny-tailed Skink (*Egernia stokesii badia*) and Shield Backed Trapdoor Spider (*Idiosoma nigrum*).

On 15/04/2013 the EPA determined the Project as “Not Assessed – Public Advice Given” (Ref A612523). The advice provided by the EPA was that “The Project could be assessed and adequately regulated under existing assessment procedures by regulators other than the Environmental Protection Authority”. SEWPaC determined the Project ‘Not a controlled action as long as it proceeds in a Particular Manner’ (EPBC no 2012/6646). Measures were developed and implemented to protect the Malleefowl and Western Spiny Tailed Skink from mining and exploration impacts.

Mining Proposals and the associated Mine Closure Plan were developed for approval (*Mining Act 1978*). Concurrently, applications for native vegetation clearing permits were made (*Environmental Protection Act 1986*) plus an increased groundwater allocation (*Rights in Water and Irrigation Act 1914*) to allow for mine dewatering.

In Oct. 2013 the Northern Mining Proposal (Reg. ID: 39634) and clearing permit (CPS 5682/1) was approved for mining of the new Riley and Austin deposits, plus expanded operations in the existing northern pit areas (Silverstone / Eastern Creek, M1, Windinne Well, Monaco and Bugeye). An Operational Environmental Management Plan was implemented and the updated Mine Closure Plan was in place. An internal Ground Disturbance Permit (GDP) system was also implemented. Environmental surveys continued to underpin the next expansion of the project.

The expanded Groundwater Licence (GWL 169526(4)) and associated Operating Strategy was approved on 15 January 2014 and then updated again in September 2014 (GWL 169526(5)) for additional bores at the Black Dog project area.

The Southern Mining Proposal (Reg. ID: 43533) and Native Vegetation Clearing Permit (NVCP) (CPS 5809/1) were approved in February 2014 for mining of new pits at Black Dog, Mugs Luck, Bobbie McGee, Trench and Camp. Amendments were made during 2014 and 2015 for changes to the layout of the original project. Reg. ID: 47711 was approved in May 2014 and variation to the NVCP (CPS 5809/2) in June 2014. A change to the number of pits and layout at the Camp project area (Reg. ID: 52906) was approved Jan. 2015 and the NVCP for this change (CPS 5809/3) in Dec. 2014. Reg. ID: 55029 amended the Camp project layout with the NVCP (CPS 5809/4) approved in July 2015.

During 2015 the Keronima project was approved: CPS 6391/1 (February) and mining proposal Reg. ID: 55684 in November. South Island pit; an extension of Bugeye was approved during 2015: the clearing permit amendment (CPS 5284/2) in February and the mining proposal (Reg. ID: 54026) in June. During 2016, approvals for mining activities under the *Mining Act 1978* approvals included Sprite (Reg. ID: 58199, 25/08/2016) and an expansion of Monaco (Reg. ID: 60881, 01/11/2016).

Storage capacity in the existing TSF was approaching capacity during 2015. Several raises were completed during 2015 under existing approvals. A new approval was sought for an additional 1.5m lift above the previous design height for Cell B. The Mining Proposal for this raise (Reg. ID: 56428) and the Works Approval (W4576/2009/1) were approved in December 2015.

A new TSF cell; Cell C was designed during 2015 to the west of the existing Cells A and B to underpin longer term tailings storage. Cell C, including the re-aligned haul road was approved on 7/01/2016 under the *Mining Act 1978* (Reg. ID: 56541) and an associated clearing permit (CPS 6807/1) was live from 26/12/2015 to clear native vegetation. A Works Approval (W5944/2016/1) was approved under Part V of the *Environmental Protection Act 1986* on 4/02/2016 to construct the Prescribed Premise.

The Licence Amendment Notice was issued on 22 May 2017 to authorise operation of the new TSF Cell C and expanded monitoring bore network, plus an increased mill throughput to 950,000 tonnes per annum. A number of licence conditions were removed or amended during this process, however the original key conditions remained.

Other 2017 approvals included the St Tropez Mining Proposal; Reg. ID: 68334 (10/08/2017) and associated NVCP (CPS 7486/1 on 18 May - clearing from 10 June. In 2018 Mining Proposals were developed and submitted for amendments to Mugs Luck and Bugeye project areas. The Mugs Luck approval was subsequently removed from assessment and the Bugeye MP remains outstanding.

In 2018 amendment to L8402 was sought for a Cat. 64 landfill at the existing landfill for disposal of used tyres, approved 22/03/2019. In November 2020 an amendment to the Prescribed Premises boundary was sought (granted in December 2020) to enable a Prescribed Premises Licence to be issued for the neighbouring Shine Project.

A revised and updated Mine Closure Plan (MCP V4.2) submitted to DMIRS in November 2021. The MCP was refused, citing insufficient progress made to address knowledge gaps, inadequate stakeholder consultation to determine agreed mine closure outcomes, and insufficient progress with mine closure and rehabilitation. Studies underpinning an updated and revised mine closure plan progressed through 2022 and MCP V4.3 was submitted 31/03/2023, which is currently under assessment.

No additional approvals under the *Environmental Protection Act 1986* were sought between 2021 and the 2025 reporting period, including amendments to L8402/2009/2. Transfer of L8402 was to DC Mines occurred on 20/04/2023.

2 OPERATIONS

2.1 Exploration

Exploration continued during 2025 across the Golden Range Project tenements. Approval for exploration is granted via a Program of Work (PoW) through Department of Mines, Petroleum and Exploration (DMPE) under the *Mining Act 1978*. A Conservation Management Plan (CMP) is in place to manage and minimise exploration impacts on DBCA managed estate (Karara Rangeland Park).

The large tenement holding requires ongoing exploration commitment, including rehabilitation works on the disturbed areas. Rehabilitation of disturbance associated with exploration continued during 2025. The Mid-West tenement package was reviewed for retention of prospective ground and disposal of non-core tenements. Heritage reviews and surveys, plus environmental surveys of drilling areas underpinned access to the prospective drilling areas.

2.2 Mining

No mining occurred during the 2025 reporting period.

2.3 Ore Processing

No Ore Processing occurred during the 2025 reporting period. The following information regarding ore processing, tailings storage and management of processing infrastructure is provided for reference.

The Golden Range ore process circuit is a conventional carbon in leach (CIL) process comprising a single toggle jaw crusher and coarse ore stockpile with reclaim via rill tower, a semi-autogenous grinding (SAG) ball mill, cyclones and carbon in leach elution circuit used to recover gold. The processing plant is licensed to 950,000 tonnes per annum when fed free milling oxide ores, producing 2,350,000 wet tonnes of tailings. The plant will generally recover 92% of the contained gold when milling down to 75% passing 75 microns.

2.4 Tailings

Tailings waste is delivered to the TSF by a tailings discharge pipeline and ring main circuit. The TSF comprises an above ground storage facility with a 3-cell arrangement: Cell A, Cell B and C. Tailings slurry is pumped from the process facility to the tailings dam via a bunded High Density Polyethylene (HDPE) pipeline and discharged into the dam via a series of spigots located on the dam walls.

The TSF was built with recovery measures to manage excess water and control seepage. Underdrains are installed at the base of each cell to collect water which has percolated through the tailings solids. Toe drains are installed on the outside perimeter of the TSF to collect seepage through or under the walls, which is collected in sumps and pumped back into the dam. Supernatant water drains to the central decant system which is gravity fed and/or pumped back to the process plant's return water dam for reuse. The system comprises an access causeway to the centre of the facility, slotted precast concrete pipe surrounded by filter rock material and a bunded water pipeline to accommodate HDPE pipeline.

A two-cell process water pond is installed to manage raw water supply from bores or pits and the decant water return from the TSF, which is then supplied to the mill. No tailings were produced or discharged to the TSF during the 2025 reporting period.

Seepage recovery trenches and sumps are in place outside the South, East and North walls of the TSF. In all, there are five locations where seepage water is collected and pumped back to the TSF. No seepage was recovered during the 2025 reporting period.

Groundwater monitoring was undertaken during the reporting period to monitor impacts to groundwater from the TSF. The results and discussion regarding this monitoring are presented in section 2.8.

2.5 Process Water

A schematic flow diagram of the process water and tailings management is provided below in Figure 2-1. Bunding and secondary containment has been installed throughout the system in the intent that the system is closed, with no potential for unauthorised discharge of process water or tailings.

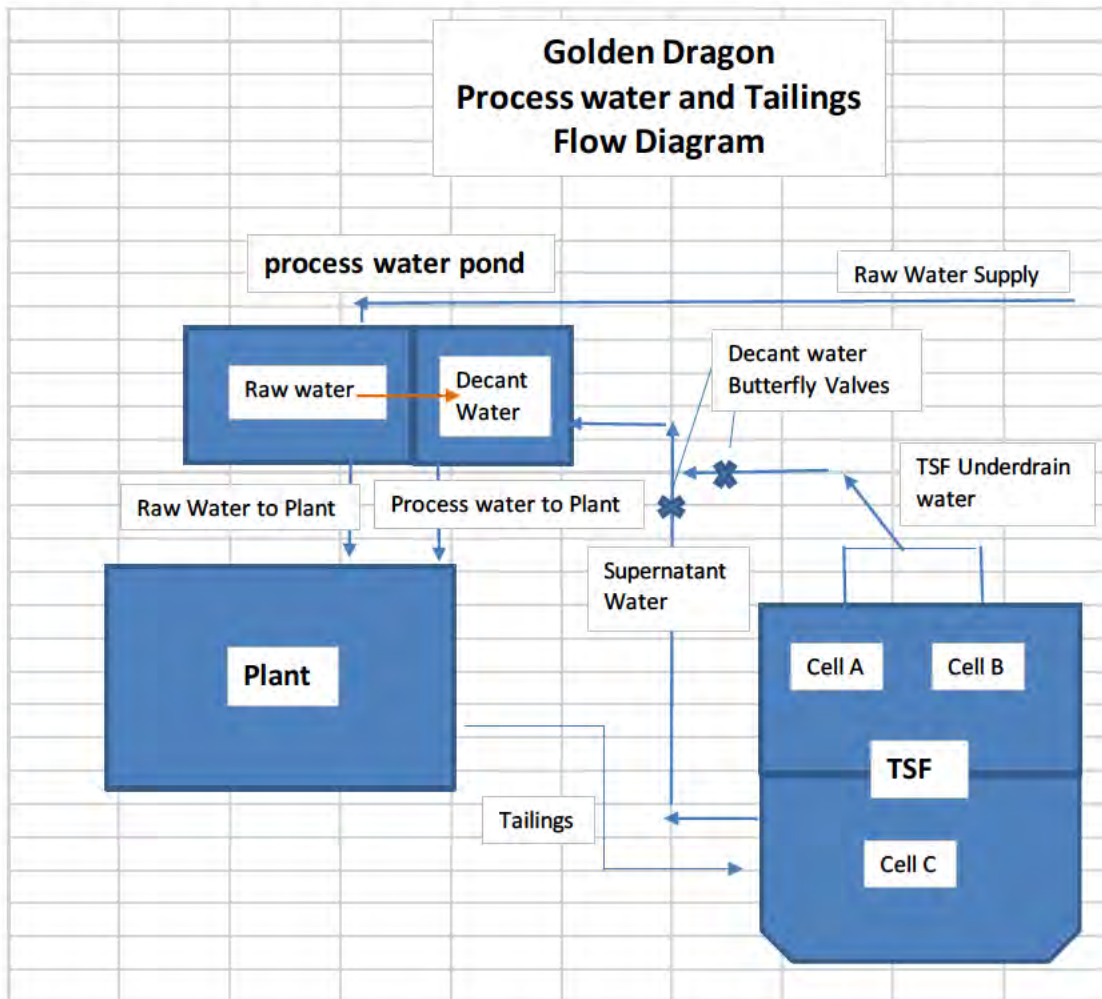


Figure 2-1: Process Water and Tailings Management Diagram

The process water system was not used during the reporting period.

2.6 Site Water Balance

The site water balance considers the following:

- a) Site rainfall;
- b) Evaporation;
- c) Decant water recovery volumes;
- d) Seepage recovery volumes; and
- e) Volumes of tailings deposited.

The closest weather station with daily observations including rainfall is Paynes Find (Station 7139), approximately 50 km to the east of the Project. Rainfall data for 2025 and long-term is shown below Table 2-1 and Figure 2-2 and Figure 2-3 (BoM, 2026). Rainfall for 2025 was 350.2 mm; above the long-term mean for Paynes Find of 283.3 mm.

Table 2-1: Paynes Find 2025 Rainfall and Long-term Data

Statistic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2025 data	6.2	3.4	66.6	22.4	30.6	26.2	26.4	80.2	13.2	14.2	51.6	9.2	350.2
Mean	20.3	24.1	27.7	24.2	34.4	40.4	34.7	28.3	13.9	10.6	13.8	12.1	283.3
Median	8.8	12.0	13.2	16.6	22.6	30.6	30.9	23.4	13.2	6.3	8.2	6.4	
Highest	114.0	147.4	142.0	128.8	252.3	111.2	96.8	113.0	54.2	73.2	86.8	86.2	581.6

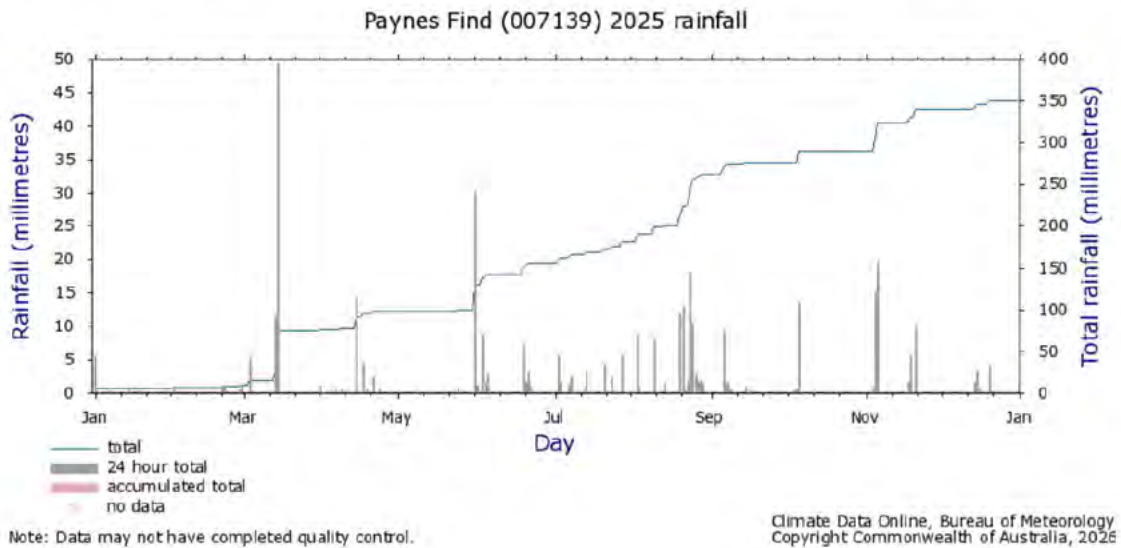


Figure 2-2: Paynes Find 2025 Rainfall

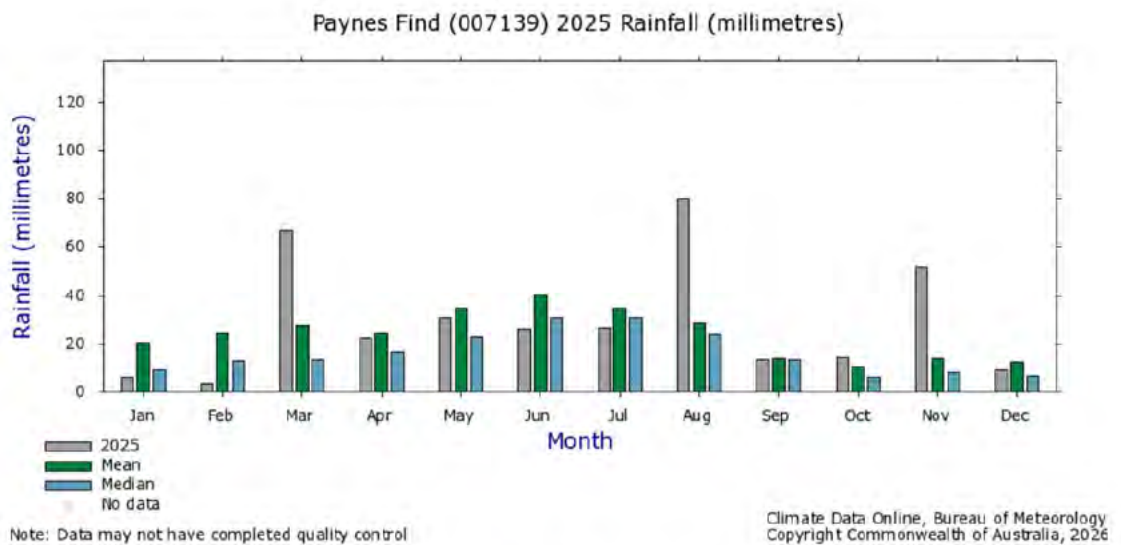


Figure 2-3: Paynes Find 2025 Rainfall against long term Mean and Median

A full site water balance was not completed for the reporting period as the containment facility (TSF) was not 'Active' during this time. A partial water balance is presented in Table 2-2 below. No decant water or seepage water was recorded as being recovered during the reporting period. By the calculation below, the TSF collected approximately 3.502 Megalitres (ML) per Hectare during the period, which is well below the evaporation rate of 22.97 ML/Ha.

Table 2-2: Partial Site Water Balance

Water In		ML/ha	Water Out		ML/ha
Site Rainfall*	350.2mm	3.502	Evaporation**	2,297 mm	22.97
Decant water recovery	0	0			
Seepage water recovery	0	0			
Volume tailings deposited	0	0			
Total (ML/ha X 40 ha***)	In	140.08ML			

* The closest weather station to the Project was Thundelarra Station, which ceased daily weather and rainfall observations in 2019. The closest weather station with daily observations including rainfall is Paynes Find (BOM Station 7139), approximately 50 km to the east of the Project. Data derived from BOM http://www.bom.gov.au/isp/ncc/cdio/weatherData/av?p_nccObsCode=139&p_display_type=dataFile&p_startYear=&p_c=&p_stn_num=007139

**Mean annual evaporation from Paynes Find.

*** Approximate surface area of TSF.

2.7 TSF Monitoring Bores

A network of groundwater monitoring bores was established around the TSF in early 2002 to monitor groundwater in the vicinity potentially subject to pollution through seepage of contaminated tailings water. The network comprised five deep monitoring bores (TSF 1 – 5 Deep), screened 24 m to 30 m below ground level, and four Shallow monitoring bores (TSF1 – 4 Shallow), screened from surface to 12 m depth). Bore TSF3 Deep had been destroyed and was replaced in September 2014. Bore TSF2 Shallow was also replaced at this time due to being partially blocked. The shallow bores were installed to intercept seepage from the TSF, also a shallow, perched aquifer. They are often dry or have only a few centimetres of water in them and are unable to be sampled.

The addition of Cell C during 2016 required an expansion of the groundwater monitoring bore network. Bores were required to expand monitoring to include Cell C and to investigate seepage which had been previously identified. Cell C lies adjacent to the Shine Project area; an iron ore project developed in 2021 by Mount Gibson Mining and then suspended in 2022. Ownership of Shine transferred to Fenix Resources NL Fenix) in July 2023 and recommenced operations in Q4 2024.

An additional 12 deep and 12 shallow monitoring bores (T6 Deep and Shallow – T17 Deep and Shallow) were installed around the TSF in 2016. Also, three deep bores (T18, 19 & 20) further west, adjacent Shine. Figure 2-4 below shows the layout of the TSF monitoring bores. Note that the naming convention for the bores has a D or S suffix after the ID referencing a Deep or Shallow bore. Bores are currently referenced by both the TSF or T prefix; they are the same bore. All the dedicated TSF monitoring bores are nested; i.e. deep and shallow bore at the same location.

2.8 TSF Bore Monitoring Results

The following section presents and discusses the monitoring data collected during 2025 and compares it with previous year's data. Licence condition 2.2.1 requires the bores be sampled quarterly and for the samples to be analysed for the parameters detailed in Table 5 of the licence. Static water levels (SWL) are required to be taken prior to sampling.

Monitoring was undertaken during all four quarters of 2025, with Static Water Level (SWL) recorded first prior to field analysis of pH, EC and TDS. Samples were taken and sent for laboratory analysis of the prescribed suite.

Field monitoring results for 2025 are provided in Table 2-3 and laboratory results in Table 2-4. A consolidated table of field results is provided in Appendix 2, laboratory analysis results as Appendix 3 and the 2025 laboratory reports as Appendix 4. Cells coloured yellow indicate exceedance of licence limits, and cells coloured olive indicate unreliable data.

Golden Range Project TSF Bores

TSF Bores 5k
14/11/2016
matt.primmer



Legend

- Tailings Monitoring Bores - Deep (D) Shallow (S)
- Existing Bores - Deep (D) Shallow (S)
- Bore Clearing

Mt.Gibson Bores

- Monitoring Bore
- Production Bore

TSF Design

- Haul Road
- TSF Cell A & B
- TSF Cell C
- Cell C Design Model
- TSF Cell A & B Footprint
- TSF Cell C Footprint

Mt.Gibson Infrastructure

- Shine TopSoil Stockpile
- Shine Waste Dump
- Shine Project Area
- Shine Proposed Haul Road

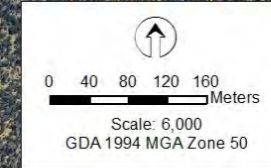
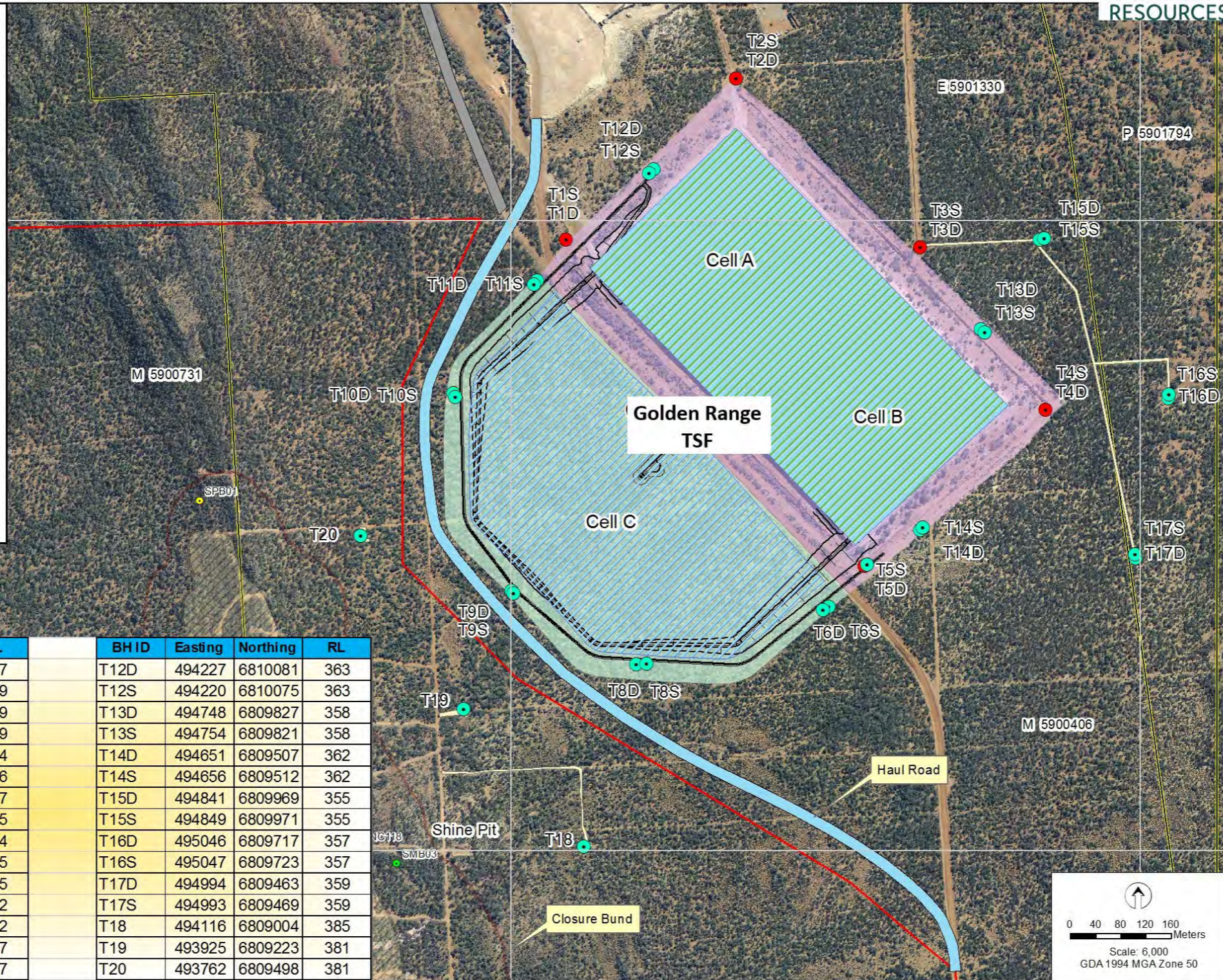
Shine Pit

- Bunding
- Pit
- Shine ROM Pad

Minjar Tenements Status

- LIVE
- PENDING

BH ID	Easting	Northing	RL	BH ID	Easting	Northing	RL
T1	494088	6809969	367	T12D	494227	6810081	363
T2	494359	6810226	359	T12S	494220	6810075	363
T3	494651	6809957	359	T13D	494748	6809827	358
T4	494850	6809698	359	T13S	494754	6809821	358
T5	494563	6809451	364	T14D	494651	6809507	362
T6D	494506	6809385	366	T14S	494656	6809512	362
T6S	494497	6809380	367	T15D	494841	6809969	355
T8D	494200	6809294	375	T15S	494849	6809971	355
T8S	494216	6809295	374	T16D	495046	6809717	357
T9D	494001	6809411	375	T16S	495047	6809723	357
T9S	494005	6809407	375	T17D	494994	6809463	359
T10D	493909	6809726	372	T17S	494993	6809469	359
T10S	493912	6809719	372	T18	494116	6809004	385
T11D	494042	6809904	367	T19	493925	6809223	381
T11S	494037	6809898	367	T20	493762	6809498	381



Minjar Gold Pty Ltd T: (08) 9212 8900 | F: (08) 9212 8999
Path: G:\Maps\Map Documents\MG201-MG300\MG224 TSF Cell C\TSF Bores 5k.mxd

Figure 2-4: TSF Monitoring Bores

Table 2-3: 2025 TSF Bores - Field Analysis

	Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20
SWL	Q1-25	31.31	29.80	27.60	25.50	11.87	28.42	29.45	35.60	33.70	31.67	25.10	33.50	7.5	25.78	26.60	23.46	25.10	26.60	44.22	42.12	46.50
	Q2-25	32.46	28.85	27.50	27.32	9.93	25.45	32.52	33.60	34.07	30.74	26.18	34.71	10.03	26.63	26.77	23.54	25.10	26.31	44.36	42.44	49.28
	Q3-25	31.47	30.28	28.61	25.53	10.91	27.45	30.06	37.77	29.28	32.10	25.63	33.55	7.82	26.73	26.78	22.89	25.13	26.35	44.47	42.55	49.07
	Q4-25	32.36	31.23	27.52	25.63	11.05	25.45	30.10	36.92	30.15	32.23	26.32	34.12	8.21	24.52	26.32	23.51	25.21	26.72	44.56	42.72	50.49
pH	Q1-25	7.29	7.34	NS	7.20	NS	7.92	7.76	7.78	7.32	6.75	7.36	6.12	5.39	7.39	7.66	6.95	7.19	7.26	6.75	5.94	7.19
	Q2-25	6.92	8.44	6.54	7.51	NS	7.61	7.45	6.41	6.98	6.63	7.52	6.07	6.15	7.14	7.55	7.35	7.40	7.50	6.82	6.18	7.41
	Q3-25	7.32	7.90	6.72	7.55	7.43	6.78	8.04	6.55	6.72	7.04	7.36	7.14	NS	6.96	7.48	7.33	7.18	7.51	7.54	6.25	7.21
	Q4-25	7.57	7.54	8.30	7.36	7.56	7.65	8.12	6.57	6.81	7.68	7.48	7.36	5.89	4.52	7.56	7.21	6.59	7.33	7.87	8.04	7.09
TDS (mg/L)	Q1-25	869	1,311	NS	1,460	NS	878	832	831	538	631	770	4,660	18,210	1,182	1,970	1,531	2,850	1,890	459	398	979
	Q2-25	873	1,235	11,460	2,830	NS	751	807	828	607	628	752	5,210	15,200	1,209	1,890	1,797	3,127	2,210	420	458	986
	Q3-25	792	1,233	11,470	10,730	2,740	872	835	731	493	705	764	5,730	NS	1,652	2,080	1,760	2,360	2,220	537	530	1,688
	Q4-25	762	1,328	9,060	2,060	3,180	753	807	762	499	709	772	6,040	15,180	927	2,340	1,370	3,150	1,940	437	468	1,067
EC (us/cm)	Q1-25	1,406	2,106	NS	2,320	NS	1,424	1,330	1,340	869	983	1,233	7,550	29,200	1,922	3,070	2,440	4,390	3,120	715	624	1,542
	Q2-25	1,566	1,985	19,400	5,310	NS	1,523	1,257	1,336	794	954	1,197	7,040	32,900	1,876	3,280	2,570	5,200	3,400	682	749	1,609
	Q3-25	1,501	1,872	19,300	7,310	8,920	892	1,238	1,294	756	976	1,308	6,740	NS	1,933	2,170	5,380	4,280	3,600	906	953	1,108
	Q4-25	1,472	1,866	18,360	2,330	1,102	1,531	1,256	1,324	693	966	1,275	6,350	24,200	2,136	3,150	3,270	5,230	3,150	704	737	1,718
Temp	Q1-25	23.80	23.60	NS	29.10	NS	31.60	28.00	23.90	23.10	24.00	23.10	23.90	23.1	28.00	28.30	27.40	29.40	27.90	23.50	24.00	24.50
	Q2-25	21.70	15.30	15.80	17.50	NS	25.30	22.40	20.10	22.70	23.50	24.30	20.90	22.8	21.50	18.90	16.90	17.20	15.60	25.40	21.40	22.20
	Q3-25	20.70	16.70	18.90	17.50	23.7	25.40	24.70	23.60	23.70	25.80	30.10	23.00	NS	27.40	29.40	23.70	23.70	19.70	16.20	14.50	18.30
	Q4-25	23.90	25.60	24.80	31.10	30.8	28.10	26.40	27.70	24.20	25.30	27.20	26.70	25.7	24.60	25.30	26.30	29.20	27.80	24.90	26.30	24.90

Table 2-4: 2025 TSF Bores - Laboratory analysis

2025 Laboratory Analysis - TSF bores																					
Bore	Parameter	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T1 Deep	Q1-25	7.30	810	31	8.70	<0.10	<0.0040	<0.01	<0.001	0.0038	<0.0001	0.012	0.0025	<0.001	<0.001	0.0024	<0.0005	<0.001	0.0016	8.7	26
	Q2-25	7.30	800	25	8.20	<0.10	<0.0040	<0.01	<0.001	0.0041	<0.0001	0.012	0.0029	<0.001	<0.001	0.0018	<0.0005	<0.001	0.0011	8.5	25
	Q3-25	7.60	820	40	9.20	<0.10	<0.0040	<0.01	<0.001	0.0034	<0.0001	0.0092	0.035	<0.001	<0.001	0.0015	<0.0005	<0.001	0.0046	14	29
	Q4-25	8.00	860	30	7.60	<0.10	<0.0040	<0.01	<0.001	0.004	<0.0001	0.01	0.016	<0.001	<0.001	0.002	<0.0005	<0.001	0.0016	12	30
T2 Deep	Q1-25	7.60	1,100	84	7.70	<0.10	<0.0040	0.021	<0.001	0.0021	<0.0001	0.0062	0.012	<0.001	<0.001	0.0089	0.00059	<0.001	0.0029	21	39
	Q2-25	NS																			
	Q3-25	7.90	1,000	68	7.50	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.0034	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	10	17
	Q4-25	8.20	1,100	65	7.00	<0.50	<0.0040	<0.01	<0.001	0.004	<0.0001	0.0053	<0.001	<0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	18	37
T3 Deep	Q1-25	NS																			
	Q2-25	7.00	11,000	1,400	32.00	<0.10	<0.004	0.086	<0.001	0.0012	0.0005	0.001	1.4	0.034	0.001	0.047	<0.0005	0.0038	0.063	550	360
	Q3-25	7.30	7,100	1,000	25.00	<0.01	<0.004	<0.01	<0.001	0.001	0.00026	<0.001	0.87	0.01	<0.001	0.0026	<0.0005	0.0028	0.036	360	210
	Q4-25	7.80	11,000	1,300	33.00	<1.0	<0.004	<0.01	<0.001	0.0012	0.00043	<0.001	1.5	0.015	<0.001	0.0085	<0.0005	0.0036	0.063	600	390
T4 Deep	Q1-25	7.40	1,400	130	16.00	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.011	0.0068	<0.001	<0.001	0.0083	<0.0005	0.0018	0.0015	29	45

2025 Laboratory Analysis - TSF bores																					
Bore	Parameter	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
	Q2-25	7.40	1,300	130	15.00	<0.10	<0.0040	<0.01	<0.001	0.0014	<0.0001	0.012	0.018	<0.001	<0.001	0.0052	<0.0005	0.0019	0.0014	28	43
	Q3-25	7.50	1,200	120	13.00	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0057	0.005	<0.001	<0.001	<0.001	<0.0005	0.0011	<0.001	12	17
	Q4-25	8.20	1,500	120	12.00	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.012	0.011	<0.001	<0.001	0.0038	<0.0005	0.0017	0.001	27	46
T5 Deep	Q1-25	7.90	900	70	4.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0027	0.0058	0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	12	24
	Q2-25	7.70	690	24	1.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0011	0.0013	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	5.5	8.6
	Q3-25	NS																			
	Q4-25	NS																			
T6 Deep	Q1-25	7.80	800	60	4.30	<0.10	<0.0040	<0.01	<0.001	0.0062	<0.0001	0.003	0.004	<0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	12	27
	Q2-25	7.60	830	45	3.50	<0.10	<0.0040	<0.01	<0.001	0.0048	<0.0001	0.0025	0.0032	<0.001	<0.001	0.0026	<0.0005	<0.001	<0.001	8.8	20
	Q3-25	7.90	400	31	2.50	<0.10	<0.0040	<0.01	<0.001	0.0039	<0.0001	0.0021	0.002	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	6.5	13
	Q4-25	7.83	830	56	4.60	<0.10	<0.0040	<0.01	<0.001	0.007	<0.0001	0.0035	0.0036	<0.001	<0.001	0.0016	<0.0005	<0.001	<0.001	12	28
T8 Deep	Q1-25	8.10	850	35	7.00	<0.10	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.012	<0.001	<0.001	<0.001	0.0029	<0.0005	<0.001	<0.001	3.2	14
	Q2-25	8.00	770	23	5.70	<0.10	<0.0040	<0.01	<0.001	0.0084	<0.0001	0.0078	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	2.6	11
	Q3-25	8.30	600	25	6.20	<0.10	<0.0040	<0.01	<0.001	0.0046	<0.0001	0.0045	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	1.5	5.3
	Q4-25	8.50	790	28	6.60	<0.10	<0.0040	<0.01	<0.001	0.0099	<0.0001	0.0094	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	3.2	14
T9 Deep	Q1-25	7.30	510	40	7.80	<0.10	<0.0040	<0.01	<0.001	0.0015	<0.0001	0.021	0.0012	0.001	<0.001	0.016	<0.0005	<0.001	0.0015	13	19
	Q2-25	7.20	500	30	6.70	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.017	0.0011	0.0011	<0.001	0.018	<0.0005	<0.001	0.0015	10	15
	Q3-25	7.50	370	28	7.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	0.0011	0.0011	<0.001	0.0017	<0.0005	<0.001	0.001	7.4	9.4
	Q4-25	7.90	530	35	8.80	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	0.021	<0.001	<0.001	<0.001	0.093	<0.0005	<0.001	0.0015	13	21
T10 Deep	Q1-25	7.40	570	37	8.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0096	<0.001	0.0013	<0.001	0.0014	0.0027	<0.001	0.0011	11	21
	Q2-25	7.30	590	33	8.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0095	<0.001	<0.001	<0.001	0.0072	<0.0005	<0.001	<0.001	11	21
	Q3-25	8.00	600	23	4.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0068	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	7.6	14
	Q4-25	8.00	550	33	8.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	11	22
T11 Deep	Q1-25	7.60	720	47	7.90	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.0019	0.0069	<0.001	<0.001	0.0014	<0.0005	<0.001	<0.001	11	29
	Q2-25	7.50	550	45	8.20	<0.10	<0.0040	<0.01	<0.001	0.0015	<0.0001	<0.001	0.0073	<0.001	<0.001	0.0016	<0.0005	<0.001	<0.001	10	29
	Q3-25	8.80	600	25	4.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.0043	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	5.1	15
	Q4-25	8.00	700	41	7.70	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	<0.001	0.0074	<0.001	<0.001	0.0015	<0.0005	<0.001	<0.001	10	30
T12 Deep	Q1-25	6.20	5,100	340	12.00	<0.50	0.0056	<0.01	<0.001	<0.001	0.00062	0.0014	0.69	0.0013	<0.001	0.011	<0.0005	<0.001	0.11	170	210
	Q2-25	6.10	2,600	300	12.00	<1.0	<0.0040	0.069	<0.001	0.001	0.0006	0.0017	0.68	0.0014	<0.001	0.016	<0.0005	<0.001	0.1	160	210
	Q3-25	6.60	3,900	300	12.00	<0.10	<0.0040	<0.01	<0.001	<0.001	0.0004	0.0023	0.64	0.001	<0.001	0.0069	<0.0005	<0.001	0.075	140	190
	Q4-25	7.30	4,700	270	12.00	<0.50	0.0081	<0.01	<0.001	0.0012	0.00047	0.0026	0.64	0.0016	<0.001	0.02	<0.0005	<0.001	0.081	160	220
T12-S	Q1-25	5.20	20,000	2,200	11.00	<2.0	0.0046	0.15	<0.002	0.0013	0.0065	0.0023	3.33	0.018	0.0045	0.14	0.0006	<0.002	1.00	940	710
	Q2-25	5.50	16,000	2,200	8.40	<2.0	<0.0040	0.28	<0.001	0.0011	0.0066	0.0027	3.40	0.015	0.0096	0.16	0.0028	0.0019	1.00	970	710
	Q3-25	5.10	17,000	1,900	18.00	<2.0	<0.0040	0.14	<0.002	0.0086	0.0052	0.0034	2.60	0.014	<0.002	0.10	0.00032	0.0024	0.81	730	530
	Q4-25	6.30	18,000	1,700	17.00	<2.0	0.0044	0.14	<0.001	0.01	0.0055	0.004	2.80	0.015	0.0025	0.11	0.00088	0.0014	0.91	840	610
T13 Deep	Q1-25	7.80	1,200	110	5.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0096	0.0013	0.001	<0.001	0.0082	<0.0005	0.0015	<0.001	17	29
	Q2-25	7.70	1,100	61	3.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0055	<0.001	<0.001	<0.001	0.0052	<0.0005	<0.001	<0.001	8.6	16
	Q3-25	7.90	780	83	3.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0047	0.0021	<0.001	<0.001	0.0021	<0.0005	0.001	<0.001	12	20

2025 Laboratory Analysis - TSF bores																					
Bore	Parameter	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T14 Deep	Q4-25	8.30	1,300	120	4.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0044	0.0036	<0.001	<0.001	0.0035	<0.0005	0.0013	<0.001	19	35
	Q1-25	7.80	1,900	210	2.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.23	0.0027	<0.001	0.005	<0.0005	0.0021	0.0033	46	92
	Q2-25	7.50	1,500	200	3.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0015	0.21	0.0015	<0.001	0.014	<0.0005	0.002	0.0027	50	97
	Q3-25	7.60	1,600	150	6.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0044	0.13	<0.001	<0.001	0.0016	<0.0005	0.001	0.0018	44	74
T15 Deep	Q4-25	8.10	2,100	190	6.20	<0.50	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0043	0.19	0.0012	<0.001	0.013	0.0002	0.002	0.0025	59	110
	Q1-25	7.50	1,400	160	9.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0011	<0.001	<0.001	<0.001	0.005	<0.0005	0.0013	0.0019	25	42
	Q2-25	7.40	680	150	9.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	<0.001	<0.001	<0.001	0.0081	<0.0005	0.0015	0.0019	25	42
	Q3-25	7.70	860	94	6.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0073	<0.001	<0.001	<0.001	0.0013	<0.0005	<0.001	0.0011	15	25
T16 Deep	Q4-25	8.20	1,500	150	9.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.012	<0.001	<0.001	<0.001	0.003	<0.0005	0.0013	0.0014	26	45
	Q1-25	7.20	3,000	330	6.80	<0.50	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	0.001	<0.001	0.014	<0.0005	0.0019	0.005	50	91
	Q2-25	7.10	1,500	230	3.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.0082	<0.0005	0.0011	0.0022	22	42
	Q3-25	7.20	1,500	160	4.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.0049	<0.0005	0.001	0.0027	24	45
T17 Deep	Q4-25	7.90	2,800	300	7.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0016	0.0013	<0.001	<0.001	0.0079	<0.0005	0.0017	0.0045	50	88
	Q1-25	7.50	2,200	190	13.00	<0.10	<0.0040	<0.01	<0.001	0.0017	<0.0001	0.028	<0.001	<0.001	<0.001	0.0039	<0.0005	0.0028	<0.001	40	55
	Q2-25	7.30	1,000	100	7.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.016	<0.001	<0.001	<0.001	0.0045	<0.0005	0.0015	<0.001	20	29
	Q3-25	7.70	2,000	220	13.00	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.028	0.065	0.0013	<0.001	0.0012	<0.0005	0.0029	0.003	56	59
T18	Q4-25	8.20	2,100	210	12.00	<0.10	<0.0040	<0.01	<0.001	0.0015	<0.0001	0.029	0.035	0.0016	<0.001	0.0032	<0.0005	0.0027	0.0019	53	61
	Q1-25	7.00	460	32	5.80	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.01	<0.001	0.0011	<0.001	0.0061	<0.0005	<0.001	0.005	5.9	15
	Q2-25	6.90	350	31	6.10	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.01	<0.001	<0.001	<0.001	0.0053	<0.0005	<0.001	0.0046	5.6	14
	Q3-25	7.20	210	15	2.90	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.0053	<0.001	<0.001	<0.001	0.0019	<0.0005	<0.001	0.0019	2.7	7
T19	Q4-25	7.60	440	30	6.00	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.011	<0.001	0.0012	<0.001	0.098	<0.0005	<0.001	0.0048	5.8	15
	Q1-25	6.40	350	22	6.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0016	0.0022	0.0012	>0.001	0.0026	<0.0005	<0.001	0.012	6	14
	Q2-25	6.60	450	6.8	2.00	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.017	<0.0005	<0.001	0.003	19	45
	Q3-25	6.70	300	21	5.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.0067	<0.001	<0.001	0.014	<0.0005	<0.001	0.0098	5.7	13
T20	Q4-25	7.80	840	46	8.40	<0.10	<0.0040	<0.01	<0.001	0.0023	<0.0001	0.0017	<0.001	<0.001	<0.001	0.0026	<0.0005	0.0032	<0.001	4.5	21
	Q1-25	7.50	560	19	3.80	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	0.0016	<0.001	28	11
	Q2-25	7.80	670	36	7.00	<0.10	<0.0040	<0.01	<0.001	0.0024	<0.0001	0.001	0.0025	<0.001	<0.001	0.0021	<0.0005	0.002	0.0012	4.3	15
	Q3-25	8.10	940	47	9.00	<0.10	<0.0040	<0.01	<0.001	0.0027	<0.0001	0.0012	<0.001	<0.001	<0.001	0.0046	<0.0005	0.0034	<0.001	7.2	27
Q4-25	7.80	840	46	8.40	<0.10	<0.0040	<0.01	<0.001	0.0023	<0.0001	0.0017	<0.001	<0.001	<0.001	0.0026	<0.0005	0.0032	<0.001	4.5	21	

2.8.1 Standing Water Level (SWL)

Standing water level (SWL) is monitored in the TSF bores to indicate areas of seepage or groundwater mounding. Figure 2-5 to Figure 2-11 show graphs of the SWL data from 2018 – 2025. Bores have been grouped together on the graphs due to their general proximity to each other, usually sharing similar hydrogeological traits.

During the 2025 reporting period the SWL at most bores increased (deepening of groundwater levels), continuing previous (2018 – 2024) periods. This is likely influenced by the cessation of tailings deposition mid-2019 and generally indicates a dissipation in seepage and/or groundwater mounding. This is in line with expectation after 5 years without tailings deposition.

However, bores to the west of the TSF not generally affected by the TSF including T18, T19 and T20 also showed a general deepening of groundwater levels, so other factors are potentially involved as well.

Both T2D and T3D dried out during 2021 - T3D has shown previous evidence of seepage. SWL was able to be recorded at T3D during 2025 (Figure 2-5) showing stable levels, however they are likely very close to the base of the bore.

SWL was also recorded at Shallow bores T4S and T12S during 2025 (Figure 2-8). The SWL in T4S was able to be measured in Q3 and Q4, which showed marked reduction in levels, however this bore is affected by rainfall sitting in the adjacent seepage trench.

A submersible pump had been installed at T12S, which was removed during 2023 for service and facilitate monitoring. SWLs at T12S fluctuated during 2025 for unknown reasons, though this bore is influenced by seepage. The SWL record for T4D in Q1-23 and at T16 in Q3 2022 were most likely incorrect recordings.

Bores T2, T3 and T4 Deep are located on the eastern side of the TSF. T2 & T4 Deep are not impacted by seepage. T3 Deep is impacted by seepage; however, it is via water quality (sections below) rather than SWL.

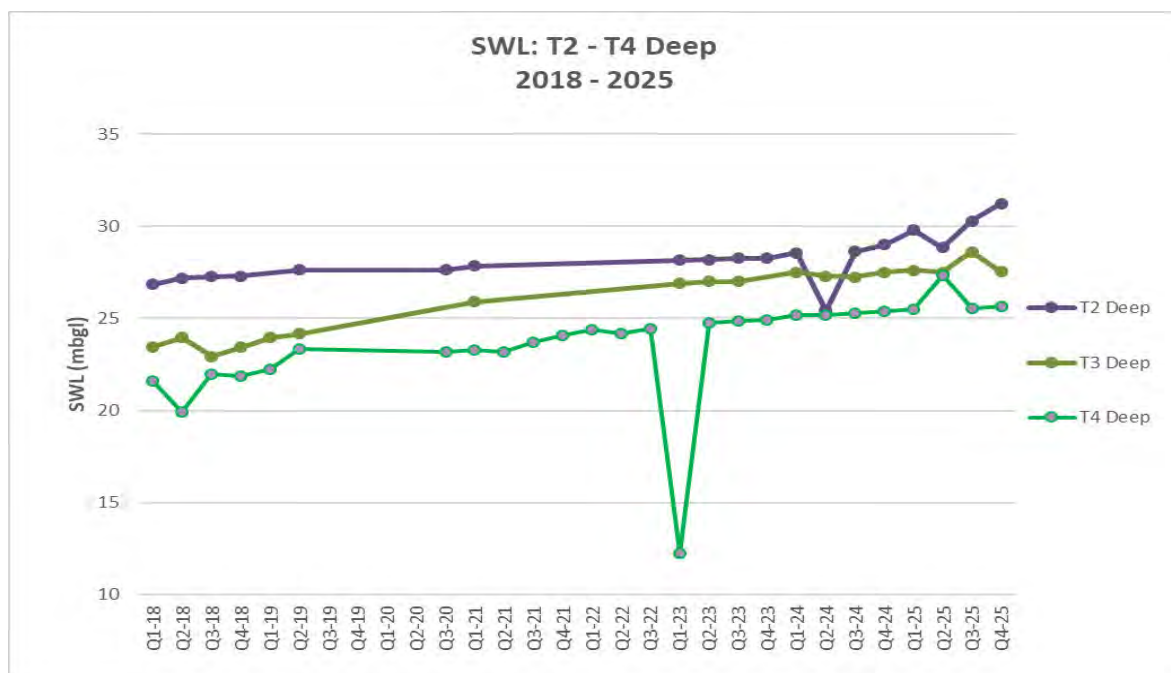


Figure 2-5: SWL: T2 – T4 Deep (2018 – 2025)

Bores T5 – T9 Deep are located on the southwest corner of the TSF, and are not impacted by seepage.

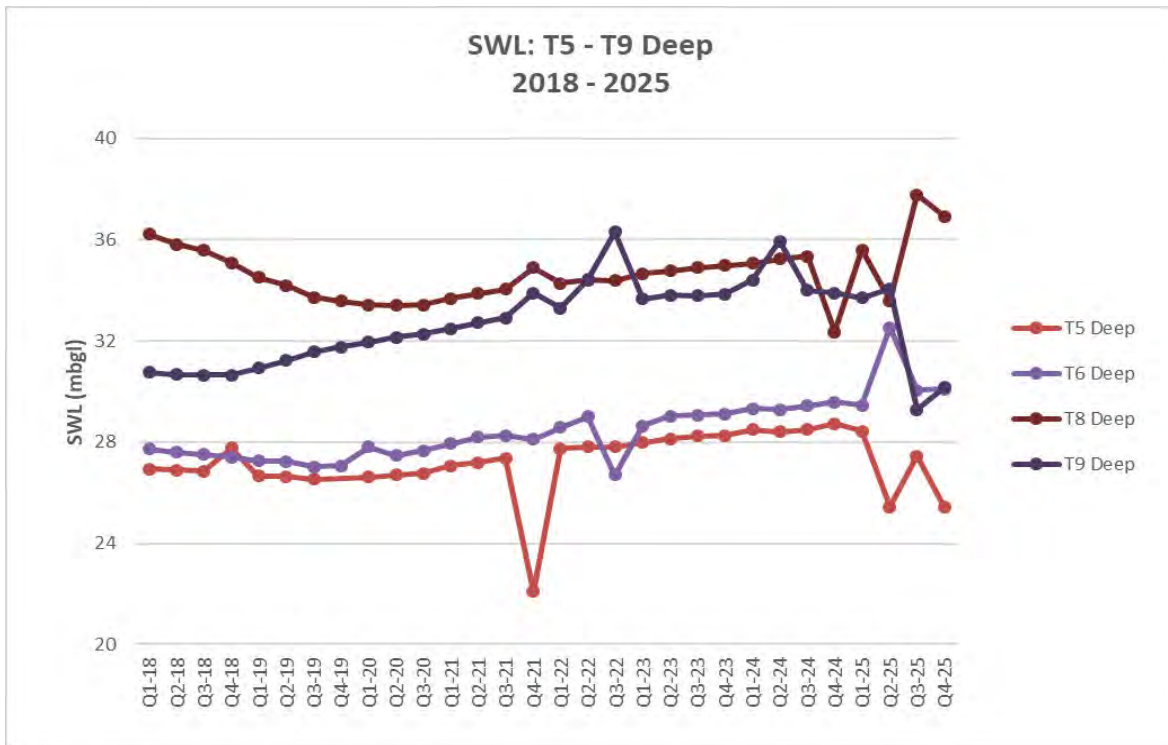


Figure 2-6: SWL: T5 - T9 Deep (2018 – 2025)

Bores T1, T10, T11 and T12 Deep are located on the northwest corner of the TSF. T1, T10 and T11 are not impacted by seepage. T12 Deep is impacted by seepage; however, it is via water quality (sections below) rather than SWL.

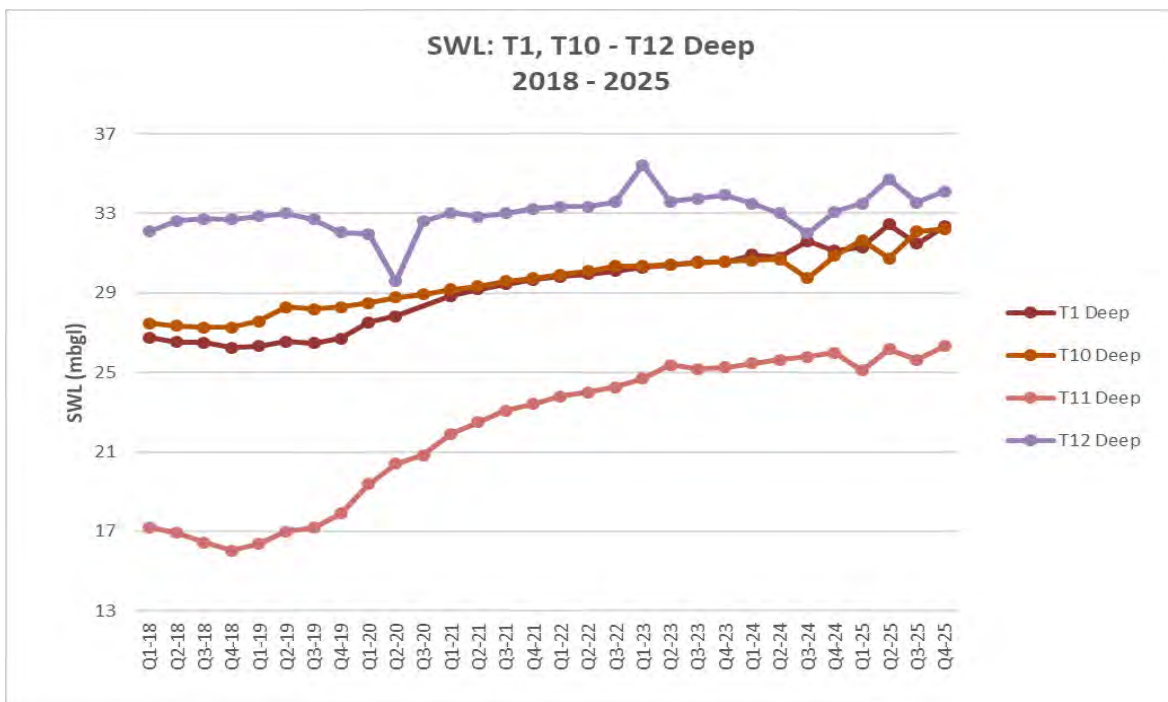


Figure 2-7: SWL: T1, T10 - T12 Deep (2018 – 2025)

Bore T4 Shallow is located on the southeast corner of the TSF, and has been impacted by seepage in the past however not in recent years. It is affected by rainwater sitting in the adjacent seepage drain, which may explain the reduction in SWL in 2025 from 2024. T12 shallow is impacted by seepage, however its SWL seems to be increasing over time as the TSF dries out.

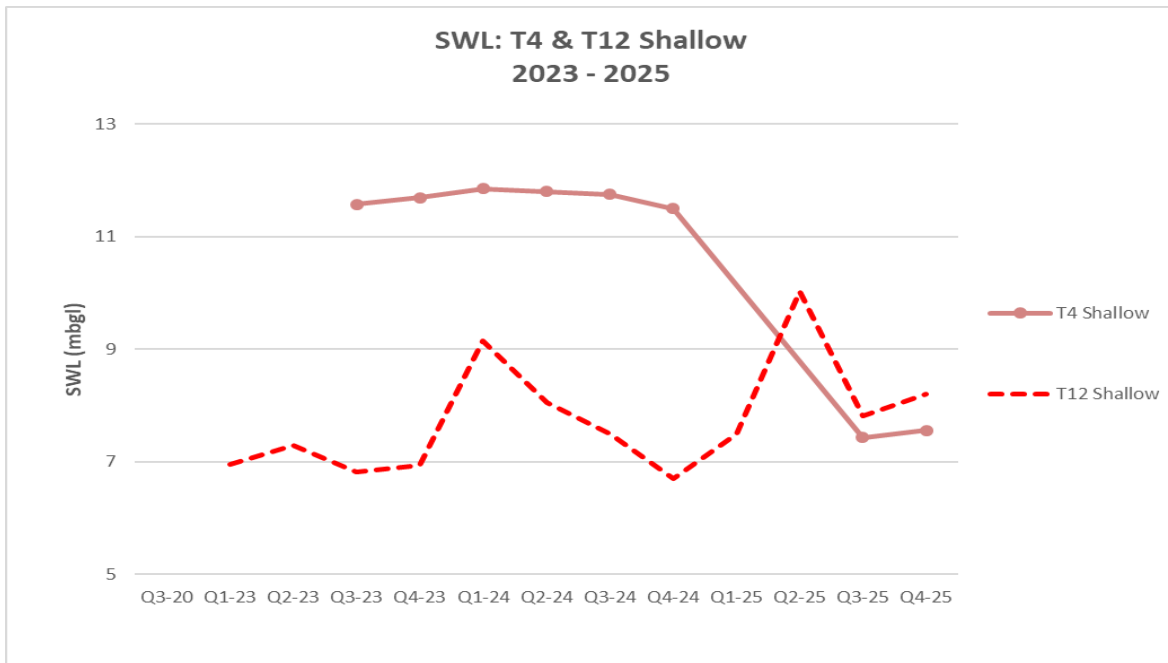


Figure 2-8: SWL: T4 & T12 Shallow (2023 – 2025)

T13 & T14 Deep are located on the east and south side of the TSF respectively, and are not impacted by seepage. They have shown a consistent deepening trend since 2018, however both have reduced in Q4 2025, for unknown reasons.

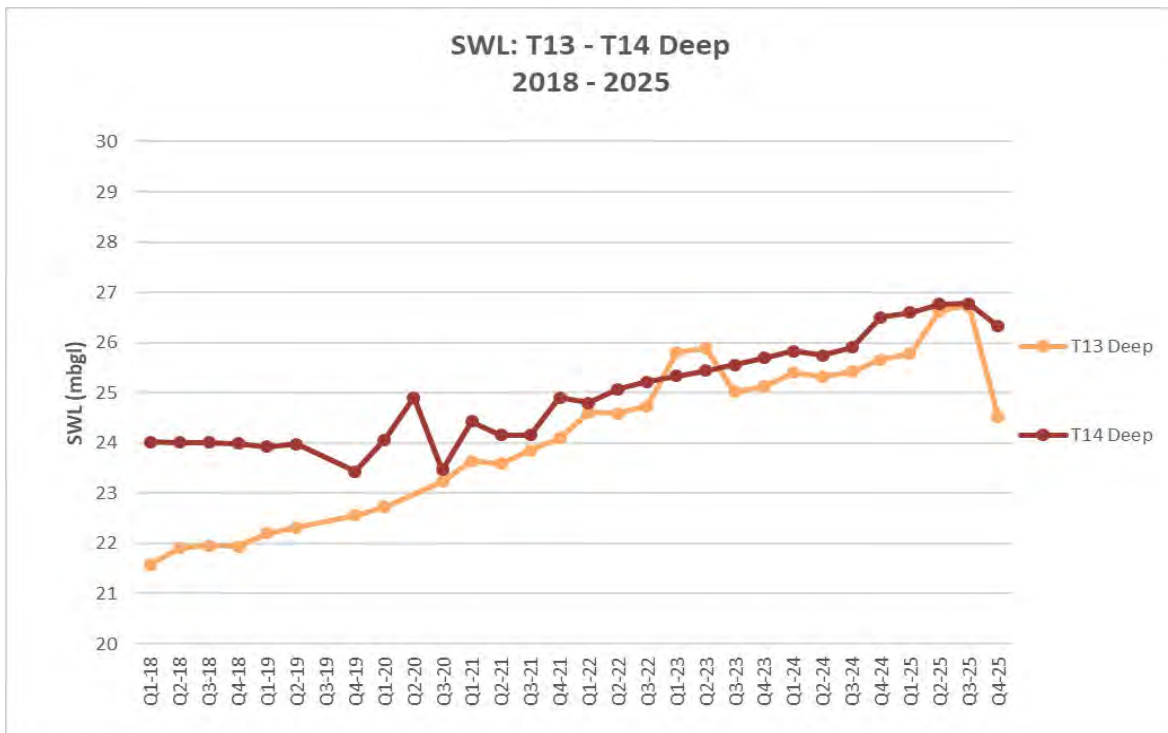


Figure 2-9: SWL: T13 - T14 Deep (2018 – 2025)

T15 – T17 Deep are located on the east side of the TSF, not impacted by seepage and show a deepening trend over time.

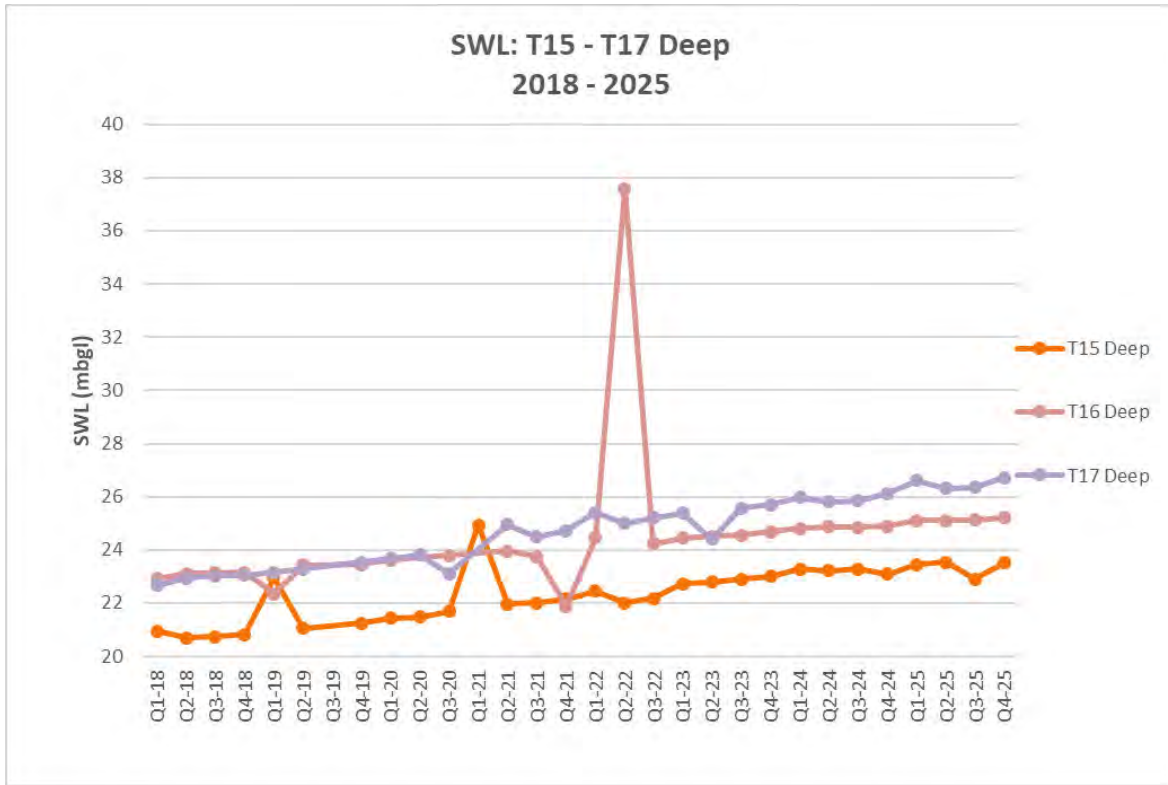


Figure 2-10: SWL: T15 – T17 Deep (2018 – 2025)

T18 – T20 are located several hundred metres from the TSF on the west side, with the deepest SWLs of all the monitoring bores. They are not impacted by seepage.

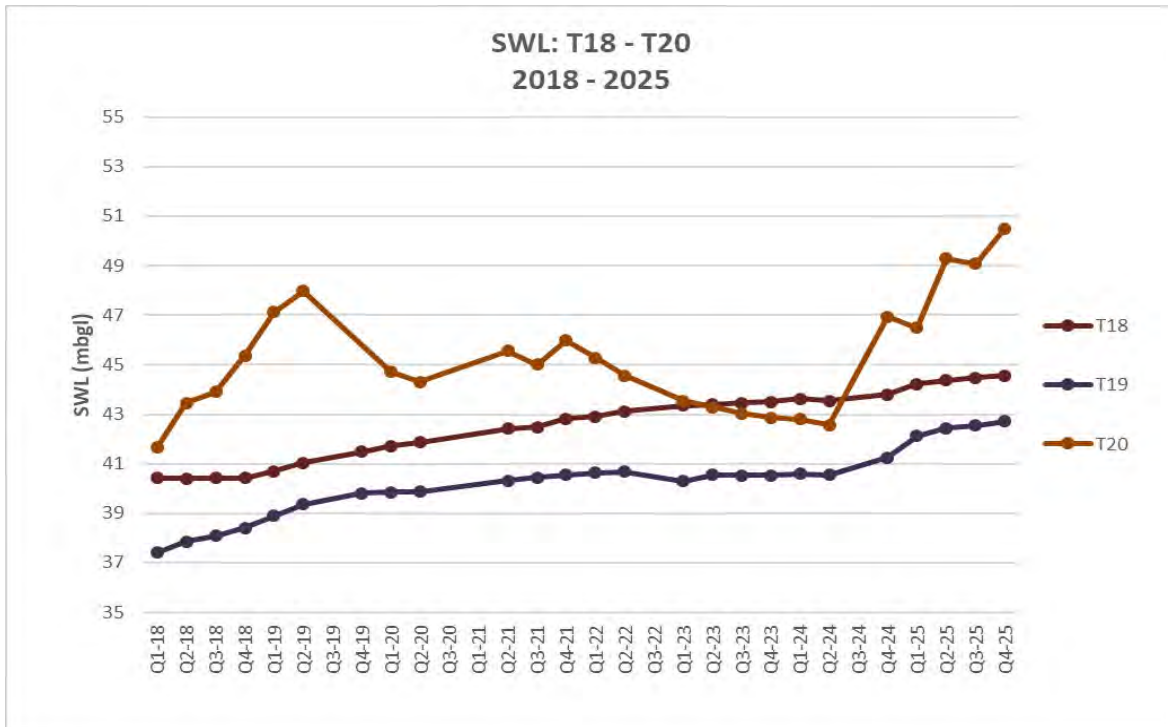


Figure 2-11: SWL: T18 – T20 (2018– 2025)

2.8.2 pH

Field analysis for pH between 2019 – 2025 and laboratory analysis between 2018 – 2025 is provided graphically below in Figure 2-12 to Figure 2-25. Field analysis shows relatively low pH (<6) in bores T4-Deep - T10-Deep, T12 Deep and Shallow, T13-Deep and T14-Deep. Lab analysis returned low pH (<6) only in T12-Shallow. Cells highlighted yellow in Table 2-3 and Table 2-4 represent readings exceeding (low) the licence limit.

Low pH in the field analysis for T4-Deep – T10-Deep, and T13 & T14-Deep are anomalous for all these bores as they are routinely neutral or slightly alkaline.

T12-Deep and T12-Shallow recorded consistently low Field and Lab pH, which is most likely associated with seepage. Other bores were neutral or slightly alkaline.

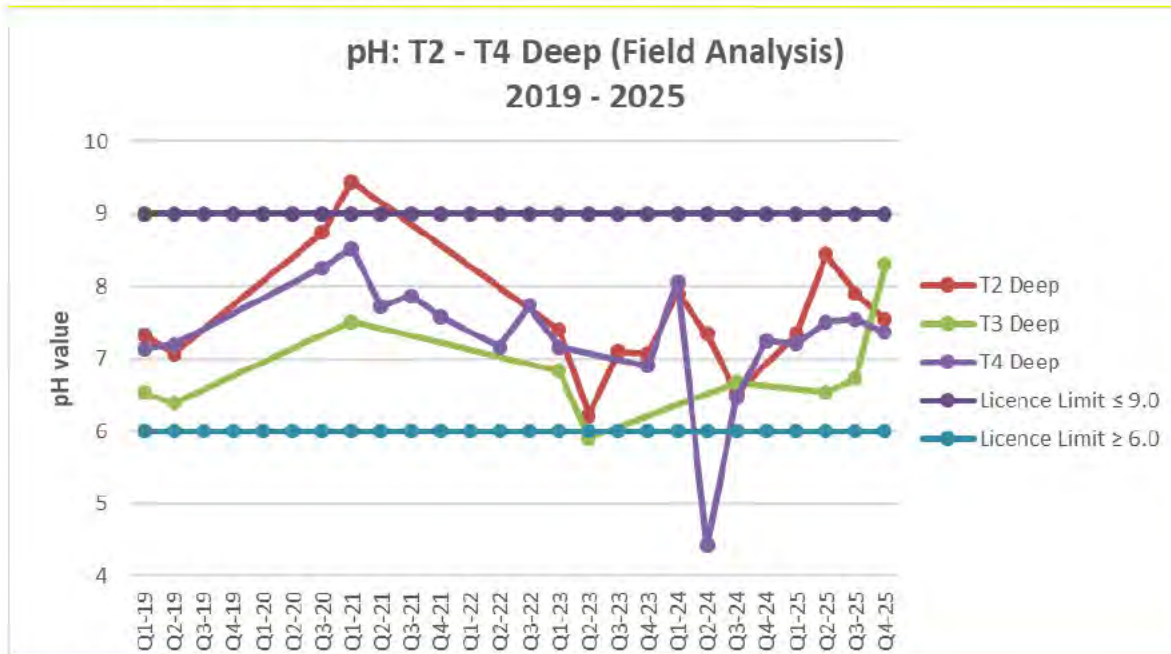


Figure 2-12: pH (Field): T2 – T4 Deep (2019 – 2025)

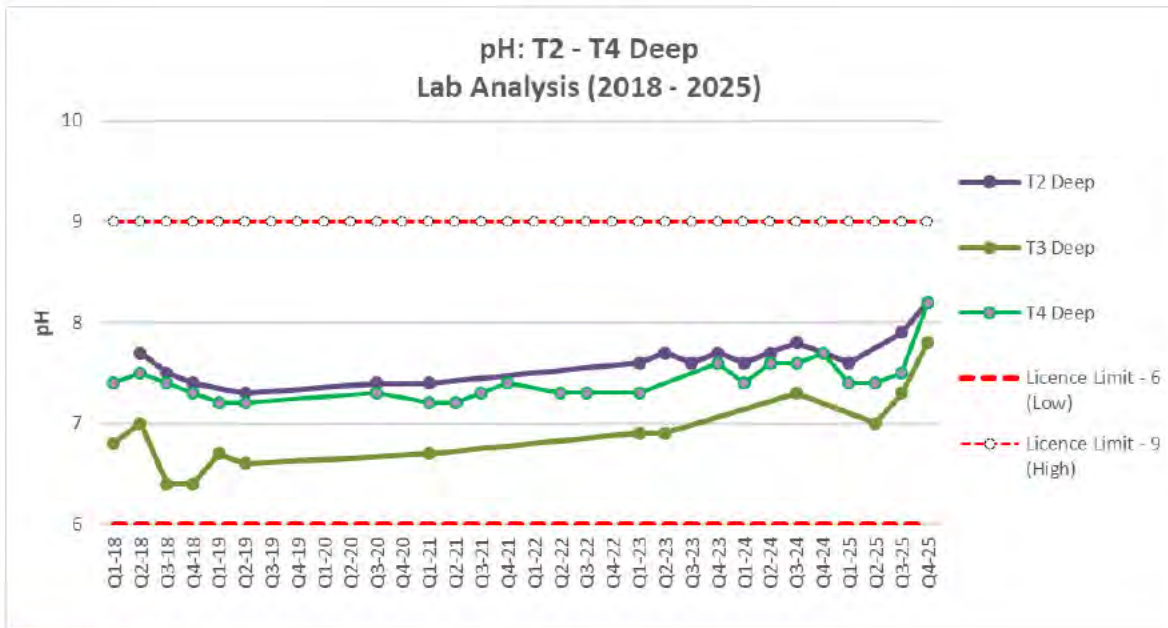


Figure 2-13: pH (Lab): T2 - T4 Deep (2018 – 2025)

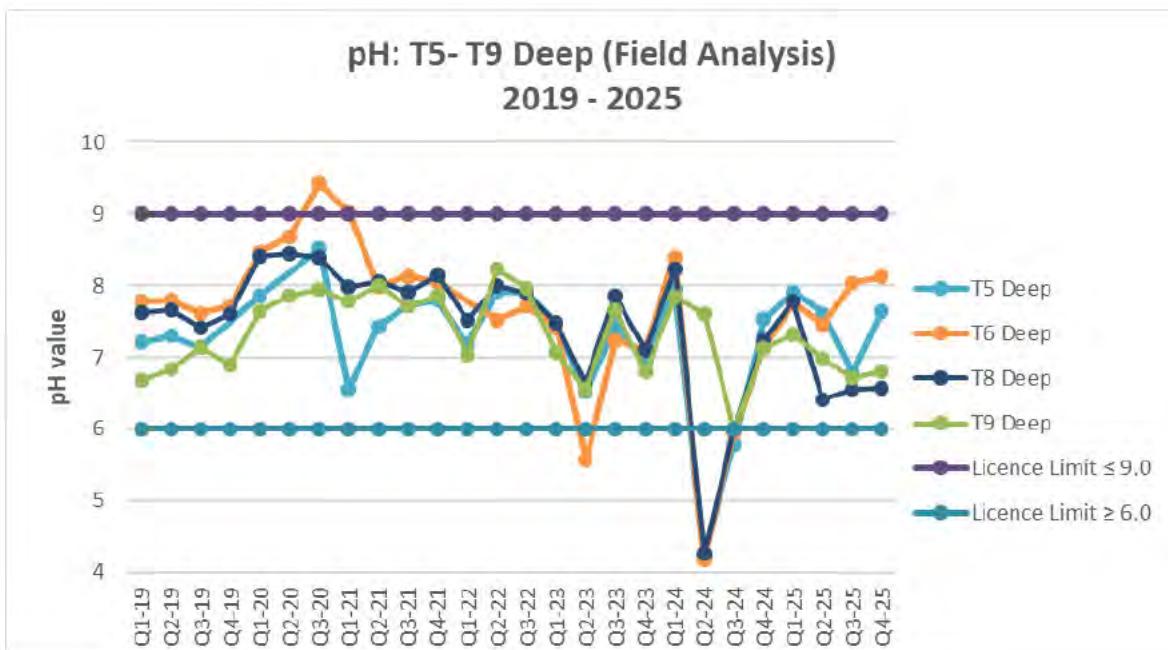


Figure 2-14: pH (Field): T5 – T9 Deep (2019 – 2025)

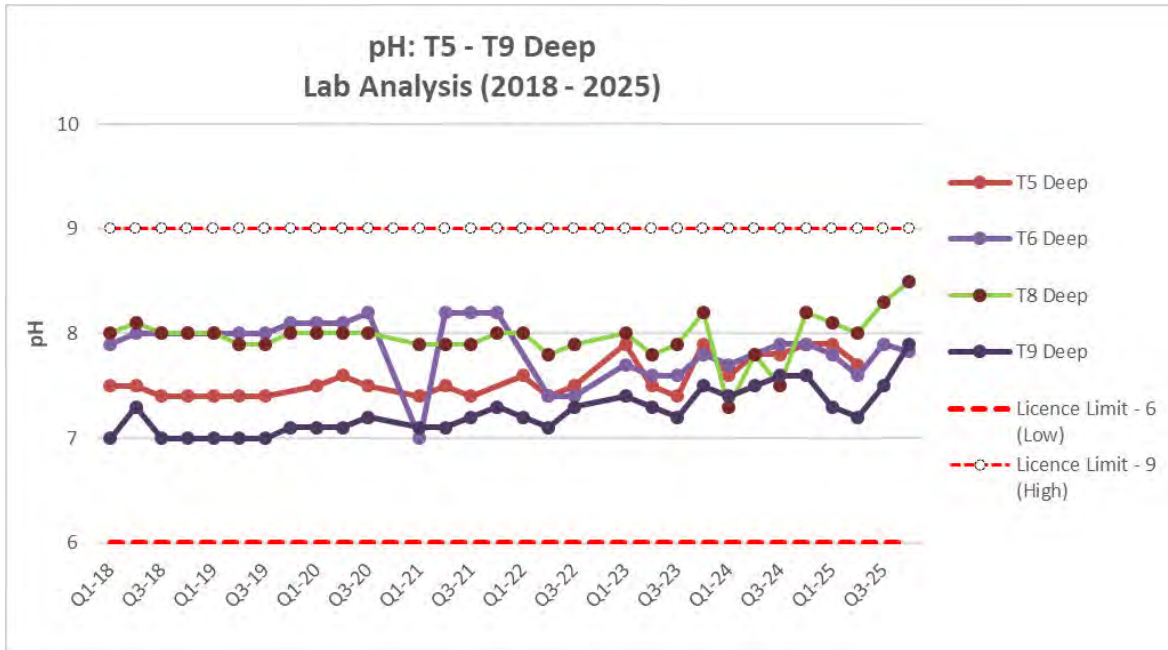


Figure 2-15: pH (Lab): T5 - T9 Deep (2019 – 2025)

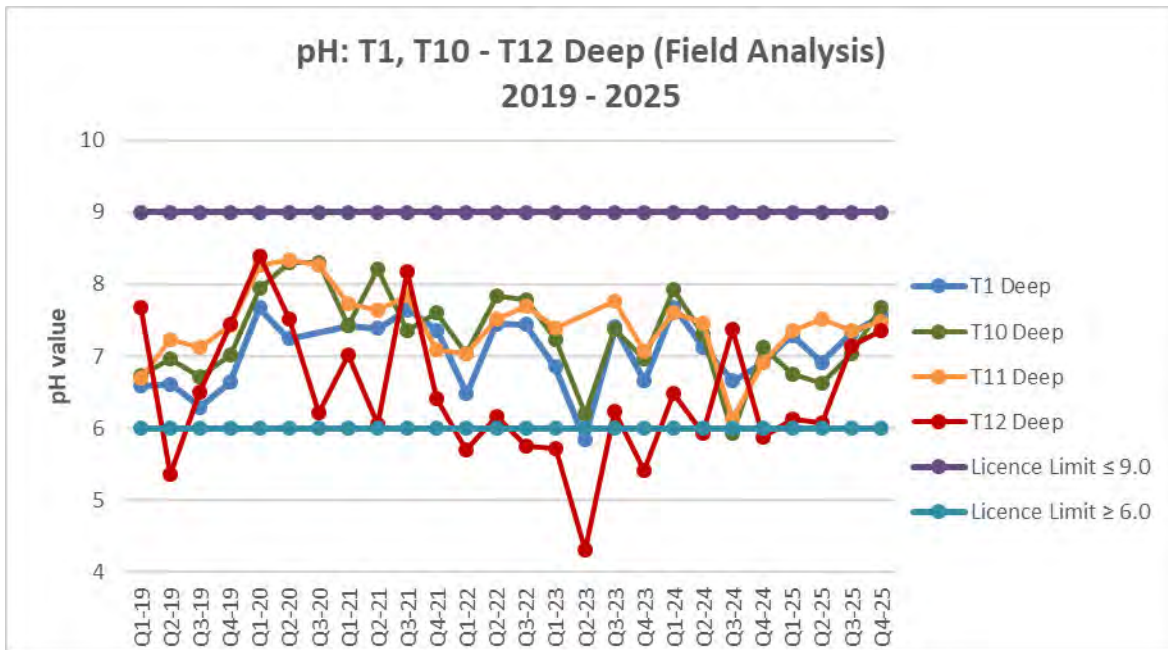


Figure 2-16: pH (field): T1, T10 – T12 Deep (2019 – 2025)

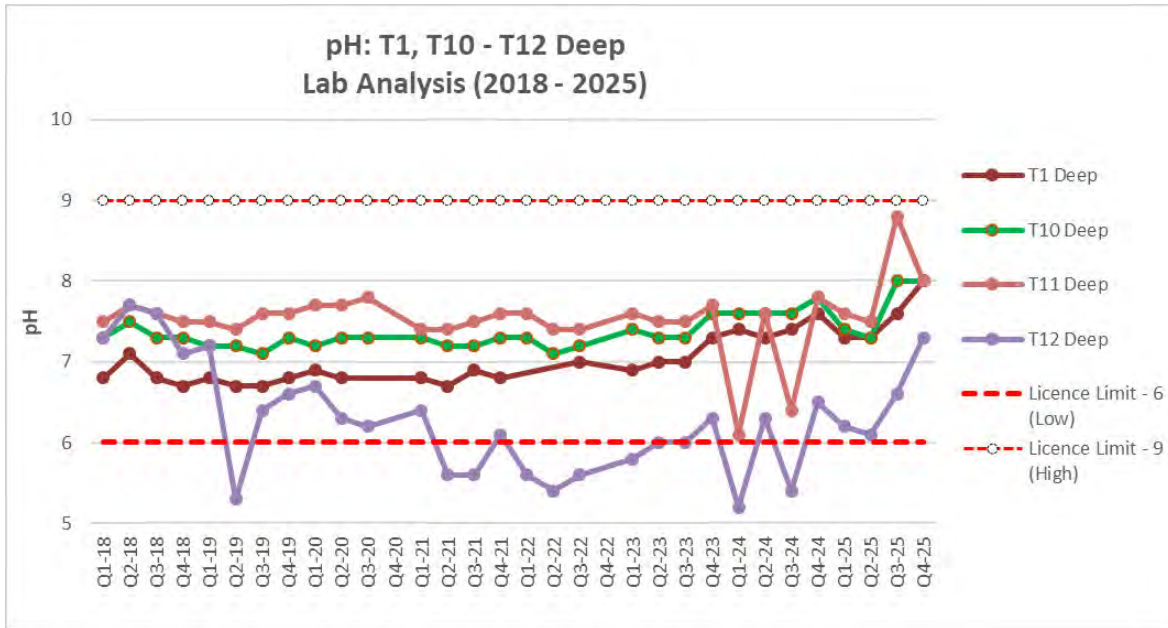


Figure 2-17: pH (Lab): T1, T10 – T12 Deep (2019 – 2025)

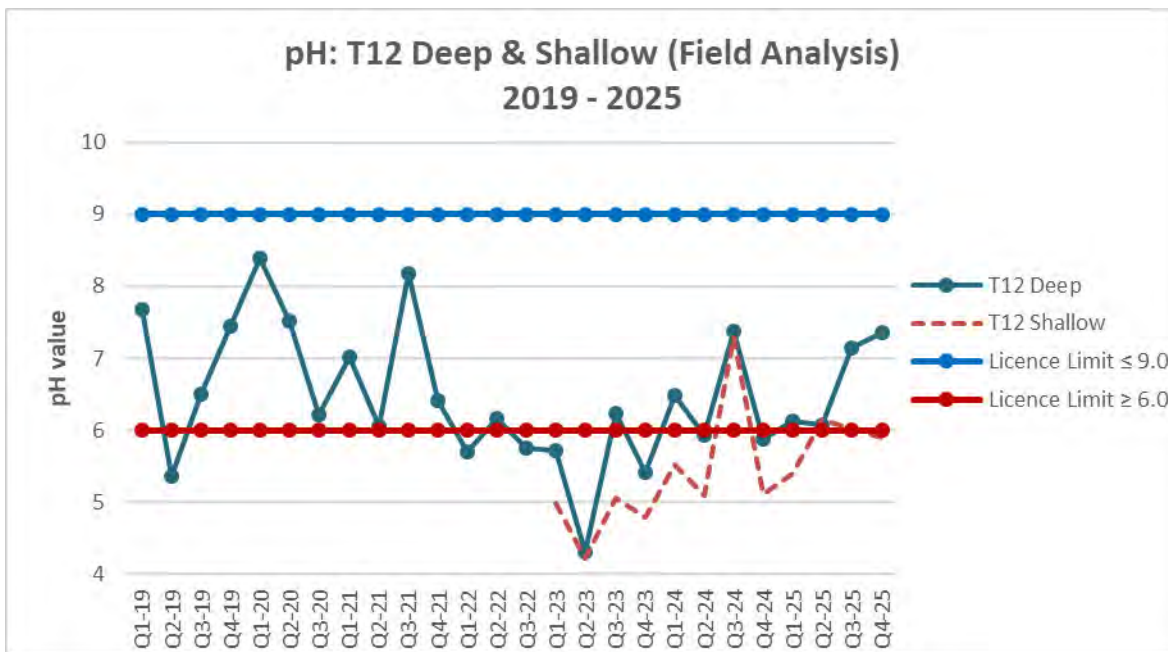


Figure 2-18: pH (field): T12 Deep & Shallow (2019 – 2025)

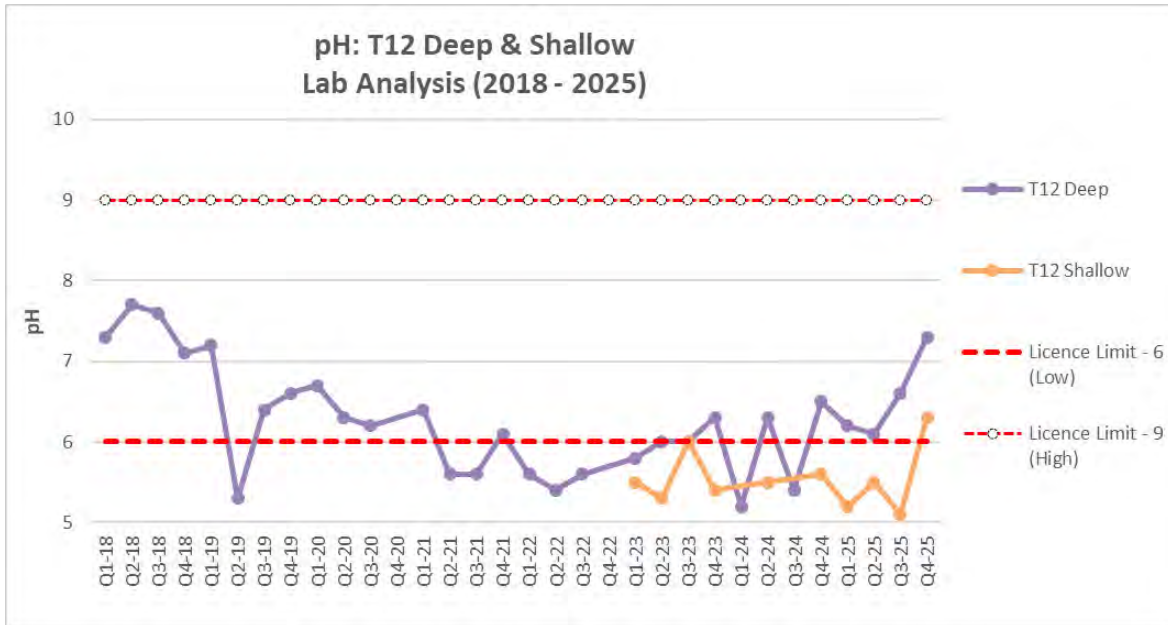


Figure 2-19: pH (Lab): T12 Deep & Shallow (2019 – 2025)

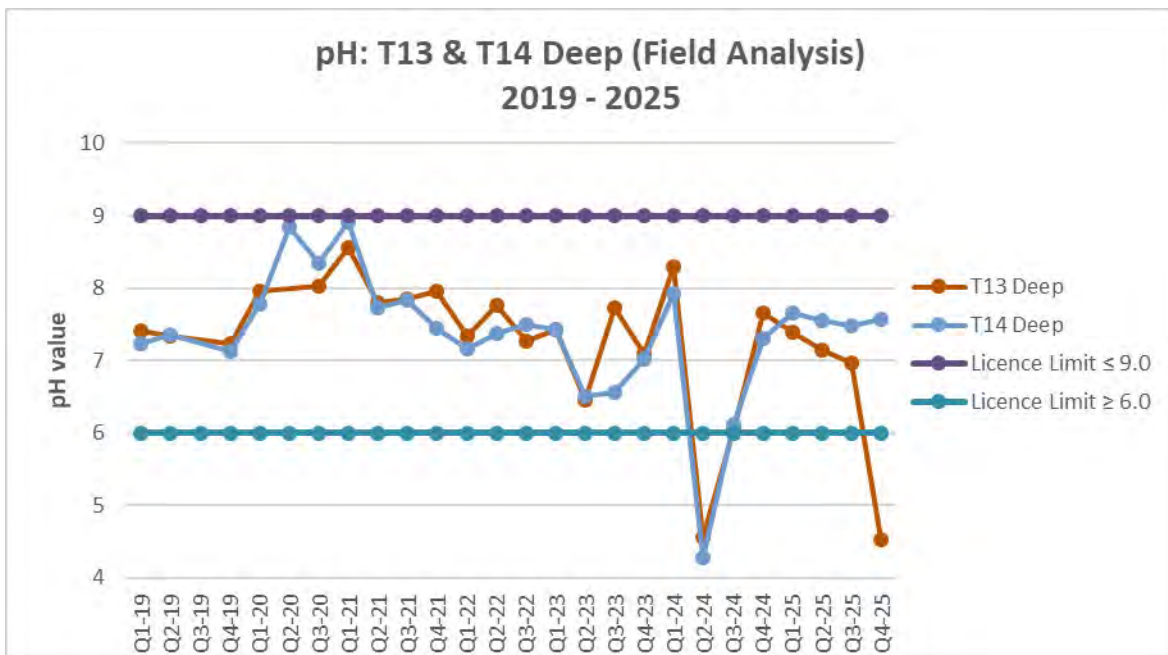


Figure 2-20: pH (field): T13 & T14 Deep (2019 – 2025)

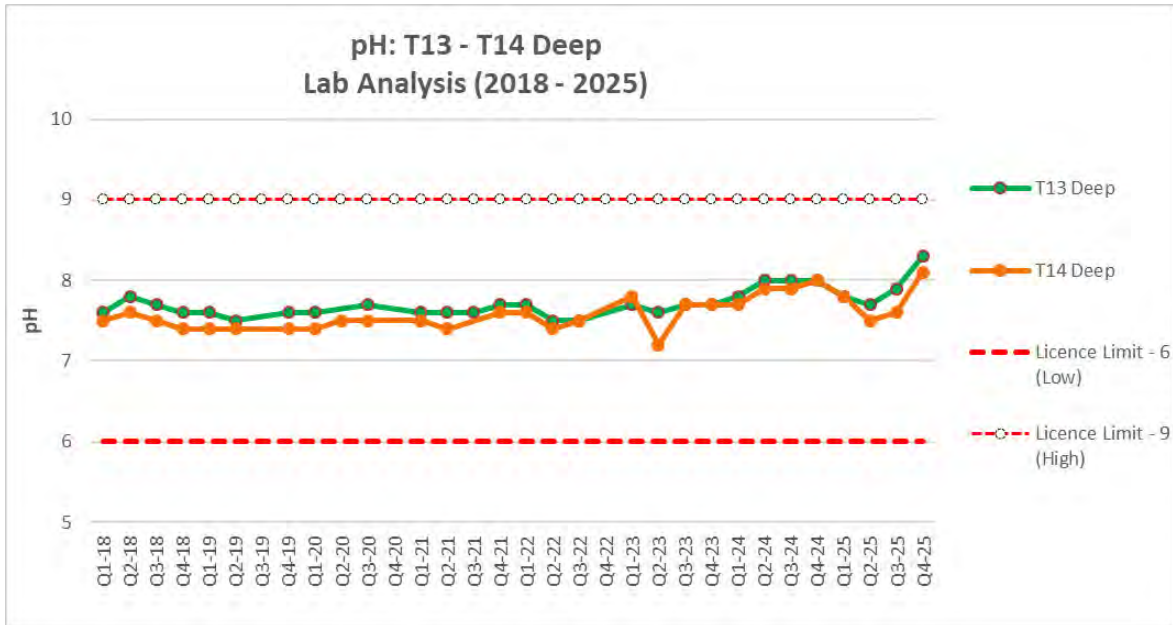


Figure 2-21: pH (Lab): T13 & T14 Deep (2019 – 2025)

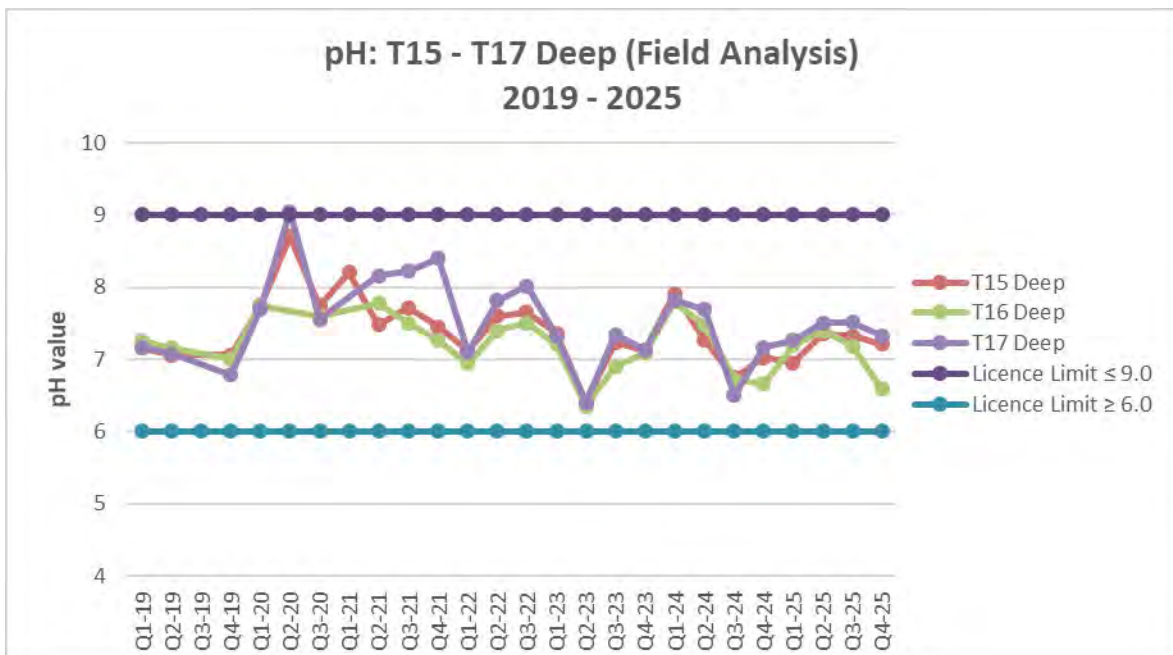


Figure 2-22: pH (Field): T15 – T17 Deep (2019 – 2025)

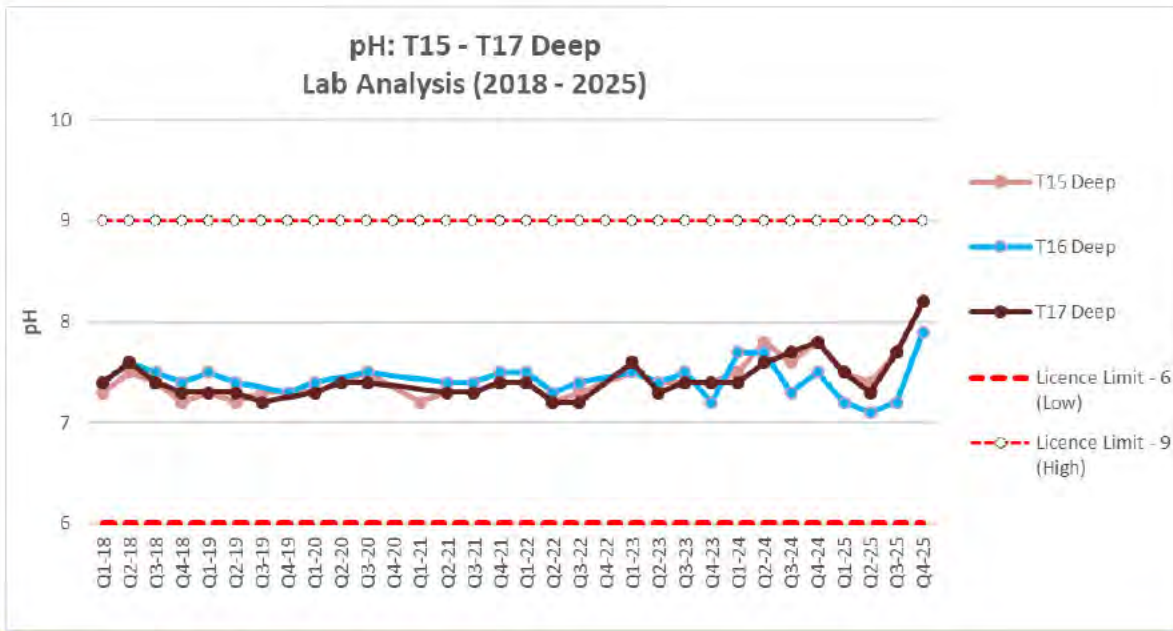


Figure 2-23: pH (Lab): T15 – T17 Deep (2018 – 2025)

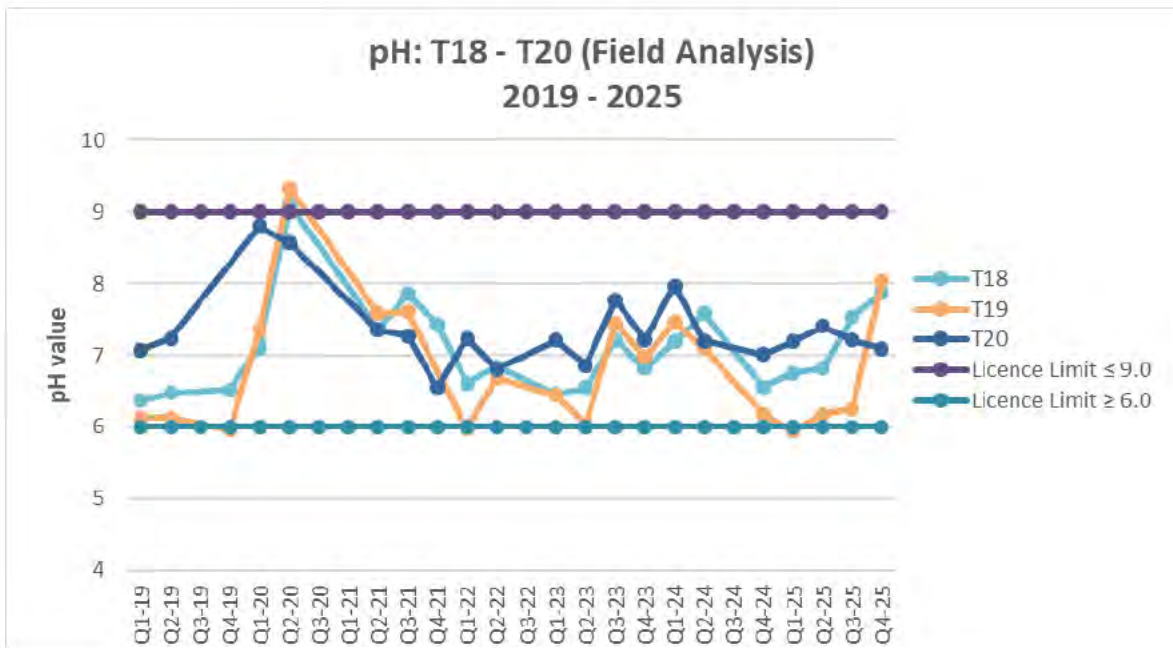


Figure 2-24: pH (Field): T18 – T20 (2018 – 2025)

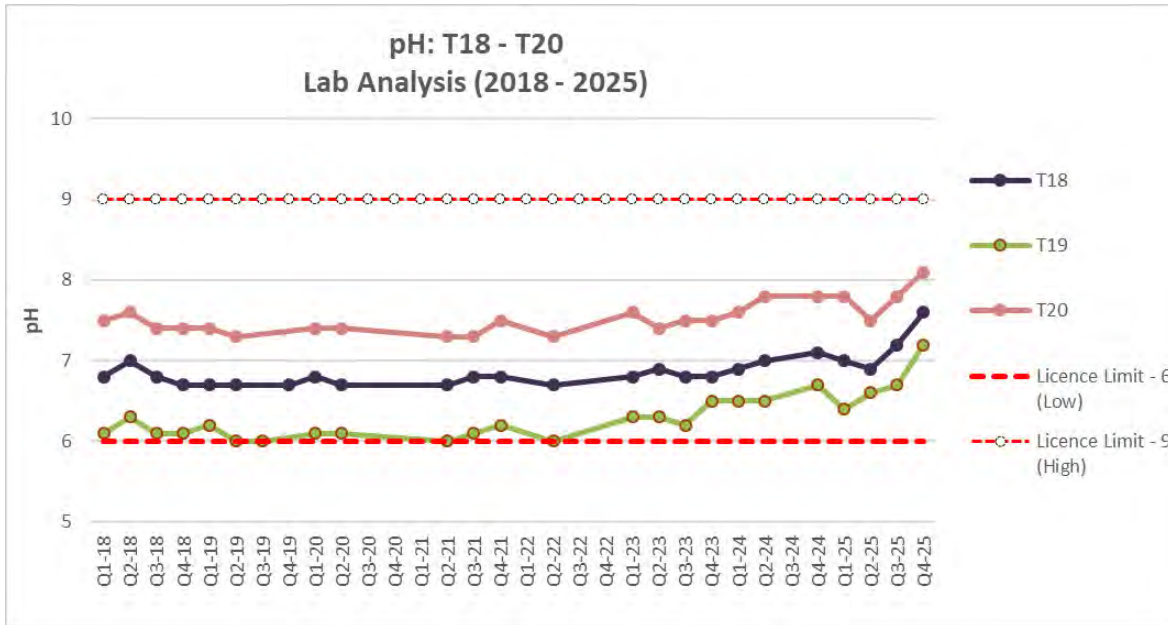


Figure 2-25: pH (Lab): T18 – T20 (2018 – 2025)

2.8.3 Total Dissolved Solids (TDS)

Total Dissolved Solids (TDS) lab analysis data is shown below in Figure 2-26 - Figure 2-32. In 2025, Licence limit exceedances for TDS (> 1,500 mg/L) occurred in 8 bores; T3-Deep, T4-Deep, T12-Deep, T12-Shallow and T14 – T17 Deep. Of these bores, it is likely the high TDS readings in T3-Deep, T12-Deep are T12-Shallow are attributable to seepage from the TSF.

High TDS levels in T3D, T12D and T12S are associated with seepage water, with levels influenced by elevated TDS in process water from Silverstone Pit (Silverstone pit water ~ 20,000mg/L TDS (Minjar 2018 – 2020 Groundwater Monitoring Review GWL 169526/6).

T14-Deep – T17-Deep have had TDS records consistently above 1,500mg/L since they were installed, most likely associated with natural or background salinity levels, which increase towards the east.

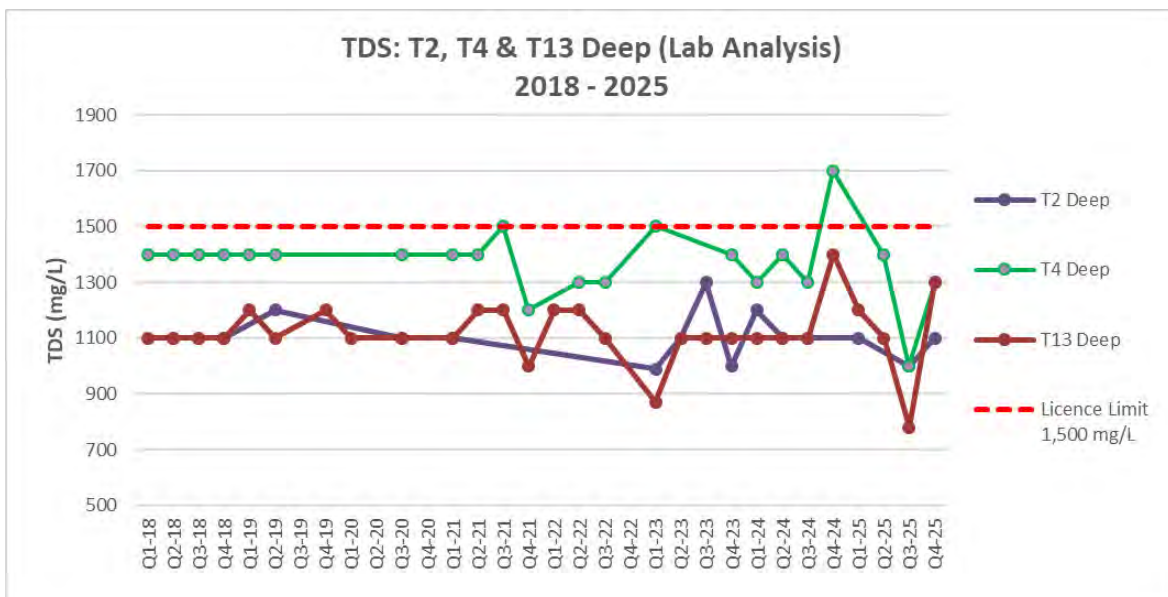


Figure 2-26: TDS (Lab): T2, T4 & T13 Deep (2018 – 2025)

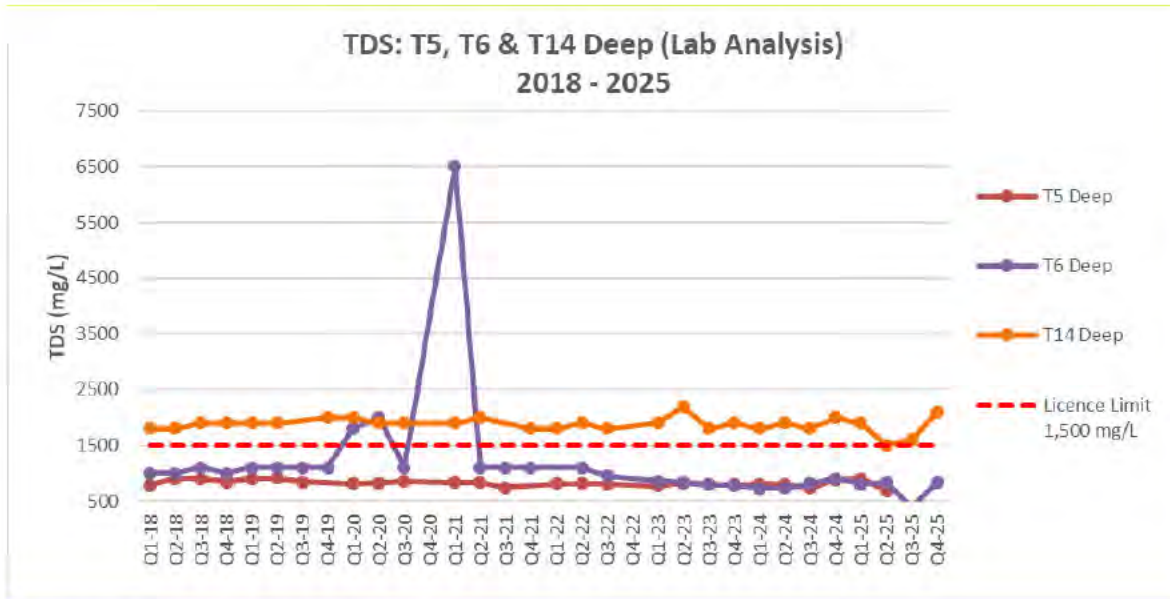


Figure 2-27: TDS (Lab): T5, T6 & T14 Deep (2018 – 2025)

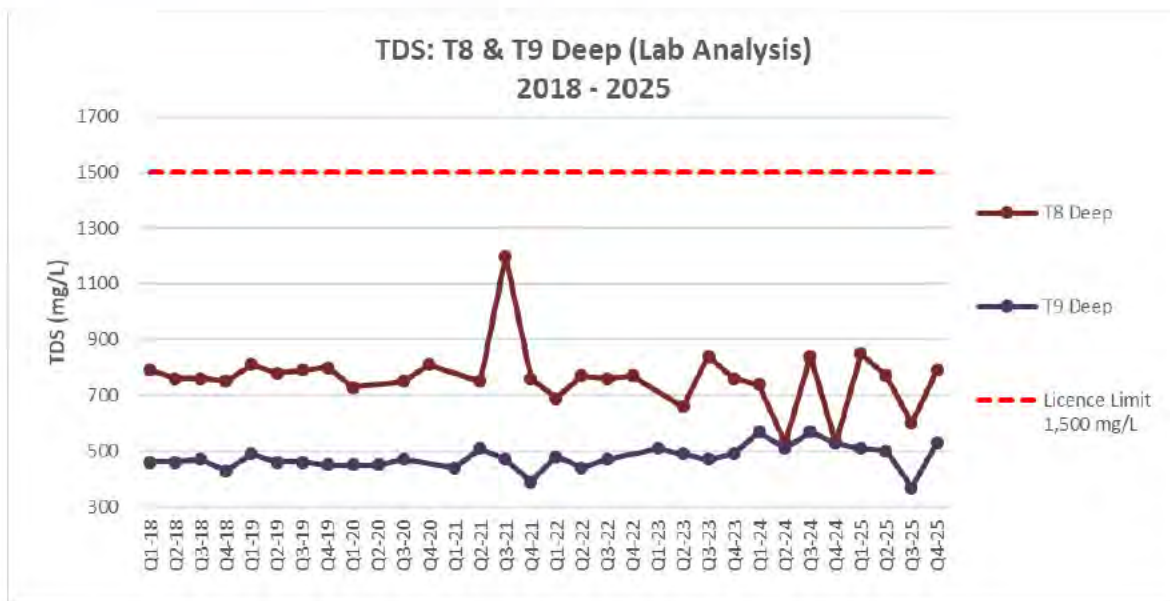


Figure 2-28: TDS (Lab): T8 & T9Deep (2018 – 2025)

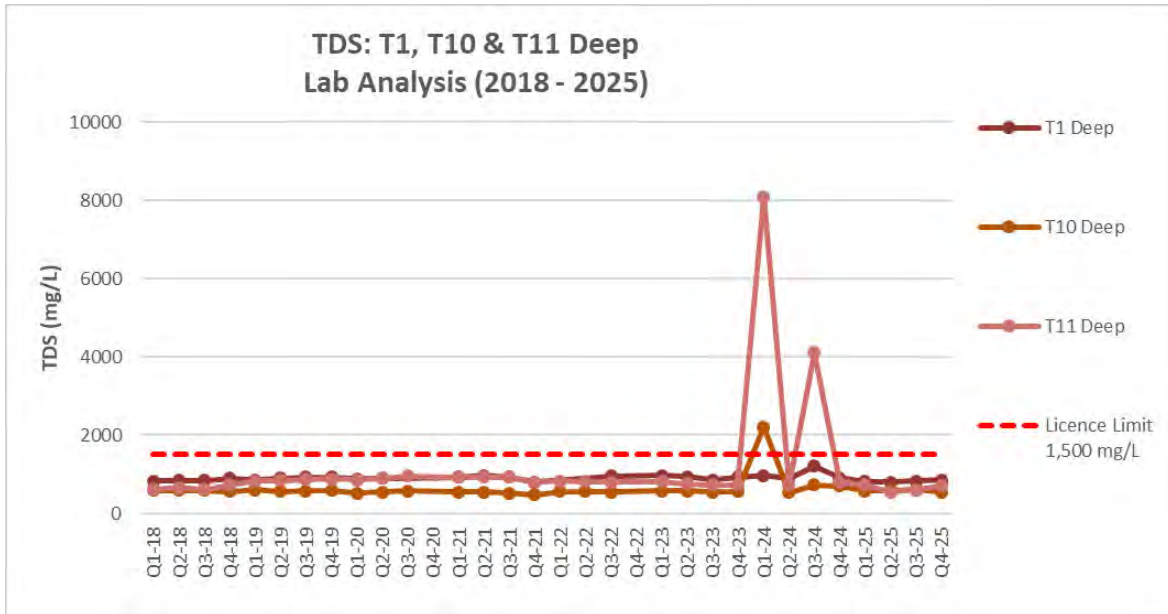


Figure 2-29: TDS (Lab): T1, T10 & T11 Deep (2018 – 2025)

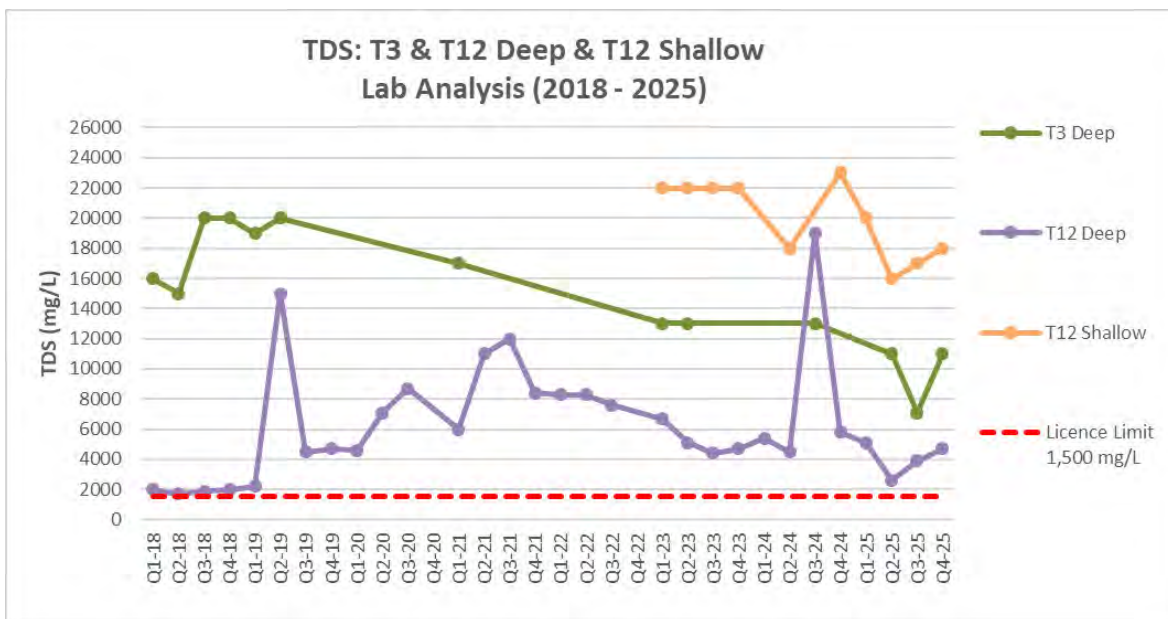


Figure 2-30: TDS (Lab): T3 & T12 Deep & T12 Shallow (2018 – 2025)

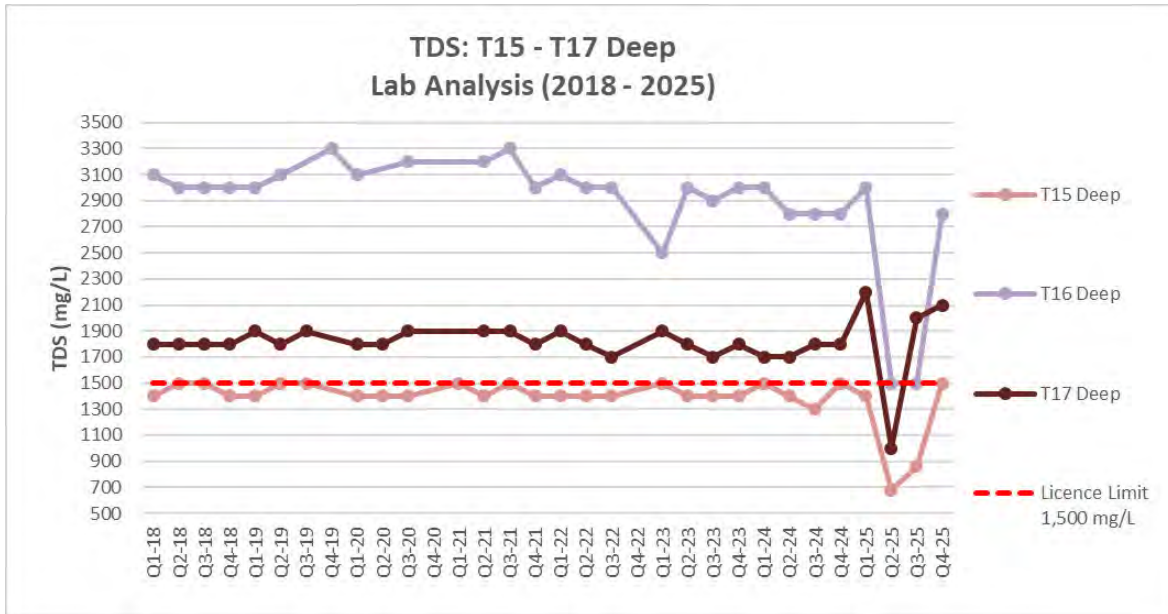


Figure 2-31: TDS (Lab):T15 – T17 Deep (2018 – 2025)

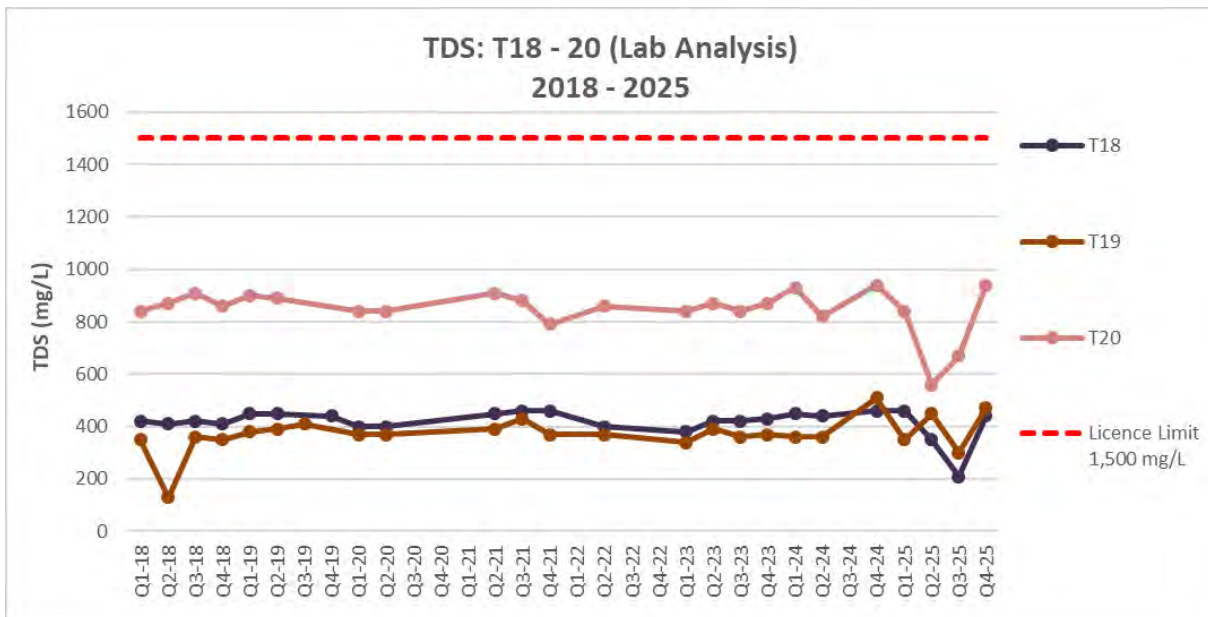


Figure 2-32: TDS (Lab): T18 - T20 (2018 – 2025)

2.8.4 Sulphate (SO₄²⁻)

Sulphate results for 2025 are generally within the range previously recorded at all locations. Bore T12-Shallow has the highest sulphate levels, recording 1,700 – 2,200 mg/L during 2025. It has also shown broadly fluctuating SO₄²⁻ levels, likely due to seepage. T3-Deep and T12 Deep also recorded high sulphate levels, associated with seepage, high TDS and nitrate levels though relatively neutral pH.

2.8.5 Nitrate (N)

Nitrate-N results were generally within the range previously recorded at all locations. Only bore T3D has exceeded the licence limit of 30mg/L during 2025, which has occurred during previous years also.

2.8.6 Nitrite (No₂)

Nitrite-N results have not been graphed for 2025, with results been reported as they appear on lab reports as there are no licence limit.

2.8.7 Weak Acid Dissociable Cyanide (WAD Cn)

WAD CN levels were at or below detection limits (<0.004 mg/L) at all bores except T12 Deep and T12 Shallow in 2025. Levels were very low and only marginally above the detection limit, with the highest reading being 0.0081 mg/L at T12 Deep in Q4.

2.8.8 Aluminium (Al)

Aluminium levels were mostly below the laboratory detection limit of <0.01 mg/L for all bores during 2025, excepting T2 Deep, T3 Deep, T12-Deep and T12-Shallow. The readings at T2 & T3 Deep are potentially anomalous as they have never recorded Aluminium before.

T12-Deep recorded aluminium in Q2 only, of 0.069 mg/L, and T12-Shallow recorded levels between 0.14 – 0.28 mg/L.

2.8.9 Antimony (Sb)

All Sb results were very low or below the laboratory detection limit of <0.001 mg/L during the 2025 reporting period. These results are consistent with previous reporting periods.

2.8.10 Arsenic (As)

Arsenic results for 2025 reporting period were at or similar to levels recorded in previous years.

2.8.11 Cadmium (Cd)

The Cadmium (Cd) limit on L8402 is 0.005 mg/L. This limit was exceeded T12-Shallow only, which recorded 0.0065 mg/L in Q1, 0.0066 in Q2, was not monitored in Q3 and 0.0055 in Q4. Two other bores recorded Cd above the lab detection limit of 0.0001, but not the licence limit, including T12-Deep and T3-Deep.

Figure 2-33 shows the Cd levels recorded at these 3 bores between 2018 – 2025. Elevated Cd levels are likely associated with seepage, which is still impacting T12-S. However, T3-D and T12-D appear to have returned to background Cadmium levels.

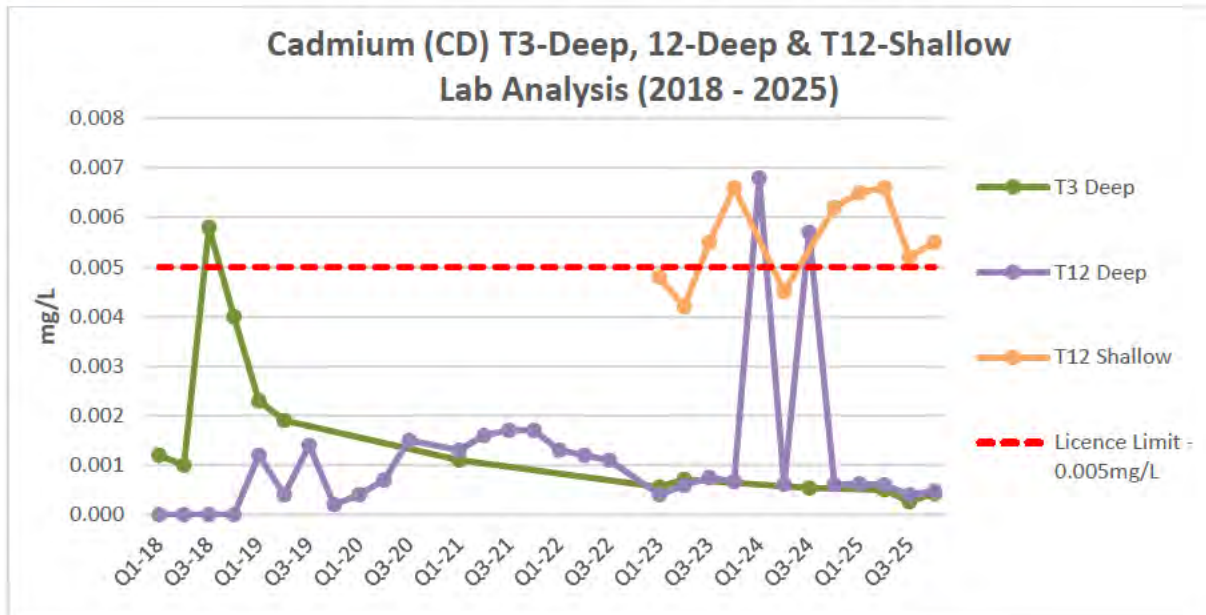


Figure 2-33: Cadmium (Cd) (Lab) – T3-Deep, T12-Deep & T12-Shallow (2018 – 2025)

2.8.12 Chromium (Cr)

No 2025 samples exceeded the licence limit for Chromium of 0.05mg/L. Bore T17D recorded the highest chromium level of 0.029 mg/L in Q4-2025.

2.8.13 Cobalt (Co)

Cobalt (Co) concentrations remains generally low, with a few exceptions. The highest Co levels were recorded in T12-S of between 2.8 – 3.4 mg/L in 2025. T3-D recorded levels between 0.87 - 1.5mg/L in 2025 and T12-D recorded 0.64 – 0.68 mg/L. Results indicate localized groundwater seeping.

2.8.14 Copper (Cu)

Throughout the 2025 period, Copper (Cu) levels remained low, following the historic trend, with most values remained around the detection limit of <0.001mg/L. The highest Cu recorded was 0.018 mg/L in T12 Shallow in Q1, which is notably lower than the licence limit of <1.0 mg/L.

2.8.15 Lead (Pb)

Lead (Pb) levels in most bores during 2025 were below the laboratory detection level (<0.001 mg/L), excepting T12-Shallow which recorded 0.0045 mg/L in Q1-2025, which is still well below the licence limit of 0.01 mg/L.

2.8.16 Zinc (Zn)

Zinc has a licence limit of 5mg/L and a laboratory detection level of <0.001 mg/L. Some 2025 samples were above the detection limit; however, levels were low and have been fairly stable over the recent reporting periods.

2.8.17 Mercury (Hg)

In 2025, mercury (Hg) levels were above the detection limit of <math><0.00005\text{ mg/L}</math> in multiple bores, however only T12-Deep exceeded the licence limit (0.005mg/L) with 0.0028mg/L in Q2-2025, continuing from previous years.

2.8.18 Selenium (Se)

There is no licence limit for Se and a laboratory detection limit of <math><0.001\text{ mg/L}</math>. Selenium (Se) levels in 2025 continued to remain low.

2.8.19 Nickel (Ni)

Nickel has a licence limit of 0.2 mg/L and a laboratory detection limit of <math><0.001\text{ mg/L}</math>. During 2025, T12-Shallow exceeded the licence limit in all quarters, with levels between 0.81 – 1.00 mg/L recorded. This is in line with previous monitoring periods Figure 2-34. Spikes in T12 Deep in 2024 appear to be some error as they are anomalous.

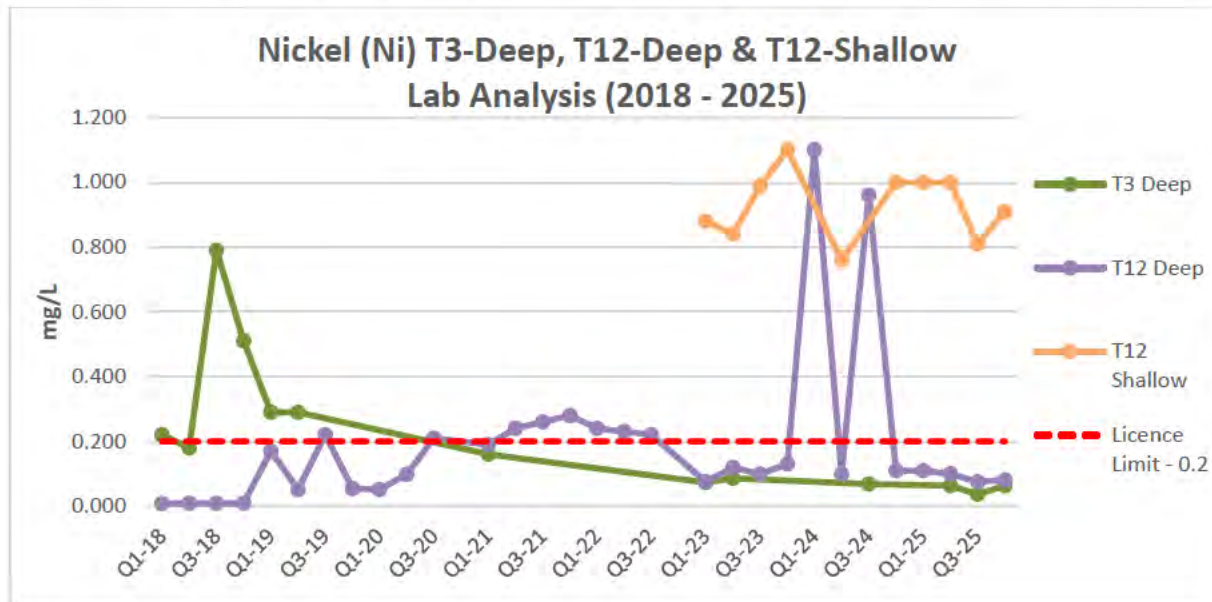


Figure 2-34: Nickel (Ni) (Lab) – T12-Deep & T12-Shallow (2018 – 2025)

2.8.20 Calcium (Ca) and Magnesium (Mg)

Bore samples have been analysed for calcium and magnesium, which are often reflective of TDS levels in water samples. The TSF bore data indicates that the bores with the highest Ca and Mg levels also generally have the highest TDS and EC levels.

3 ENVIRONMENTAL MANAGEMENT

3.1 Environmental Inspections

Environmental inspections are conducted by corporate personnel when on-site and field staff whilst conducting monitoring and day to day activities. Inspections target licensed infrastructure including the processing plant, TSF, ponds and pipelines, fuel storage, the landfill and ancillary infrastructure. Inspections focus on maintaining compliance with licences and approvals, environmental management whilst the project is in care and maintenance plus general site security and safety.

Warriedar staff are not based permanently on site during the current phase, with exploration activities conducted on a campaign basis and inspections undertaken opportunistically. Licensed processing infrastructure is not currently operational, with a corresponding reduction in environmental risk, however inspections have not been conducted daily in accordance with licence conditions.

In November 2025, a revised and updated Care & Maintenance Environmental Management Plan (C&M EMP) was finalised and submitted to DMPE. This document includes an updated schedule of inspections, monitoring and reporting, plus inspection checklists for Prescribed infrastructure. This plan is for implementation during the current period of care and maintenance.

During the preparation of the C&M EMP, a site visit was conducted to 'road test' the inspection checklists across site. The checklists were subsequently revised prior to final submission of the C&M EMP, with the final submitted checklists (and schedule) provided as Appendix 5. The scanned pages from the October 2025 inspection are also provided for reference in Appendix 5.

A priority during 2026 is to apply for a licence amendment to reduce the inspection burden during the care and maintenance period and achieve compliance, whilst still managing environmental risk. The updated Inspection schedule has inspections undertaken monthly by field staff and quarterly by management or environmental professionals.

3.2 Landfill

The Project has been in care and maintenance during 2025, however an active exploration program has been underway. Staff and contractor numbers on-site have ranged between 5 – 20 during the year, consisting primarily of exploration staff, corporate visitors and drilling and other contractors.

The landfill was established at the current site prior to recommencement of operations in 2013 while the Project was in care and maintenance. This facility was not required to be licensed previously due to the low volume of material disposed. The location of the landfill was ratified in the Northern Mining Proposal (Reg ID: 39634) which included the landfill position on project disturbance maps, plus information on management of the facility. The site at M1 was selected due to its location relative to waste generation areas, low permeability clays in the oxide layer and the unlikely potential for affecting receptors or causing environmental contamination.

An amendment application to add Category 64 Landfill was made in December 2018, to cater for the increase in workforce and waste volumes at the time, plus establish a tyre disposal location on-site. The amended licence was issued in March 2019. The landfill consists of a single tipping location surrounded on three sides by soil windrows. The soil windrows act to prevent windblown waste escaping and to cover the waste on a regular basis.

Regular clean-ups of the landfill area are undertaken to remove windblown rubbish from nearby vegetation. The tipping area is not greater than 30m in length at any one time. It is >100m from a surface water body, at least 3m above the highest groundwater level and not within a 100-year, 72-hour event flood plain. Remedial earthworks were undertaken in December 2025 to ensure stormwater drainage by-passed the waste disposal cells.

The disposal volume for 2025 has been estimated at 20 tonnes for the annual period, based on 1 tonne / person / year and a maximum average of 20 persons / day on site during the period. A total area of 0.8 ha has been made available for the landfill in the current location.

Only approved wastes are disposed in the landfill, including:

- Clean fill; Inert waste type 1 and 2; Putrescible wastes; and
- Other wastes that comply with Class II criteria in the document titled Landfill Waste Classification and Waste Definitions 1996 (Dept. Environment and Conservation, as amended 2009).

Wastes such as asbestos, medical wastes, hydrocarbons and other chemicals are not disposed. Tyres are disposed in a designated cell.

The Project has a small bioremediation farm, located at the landfill area and established prior to the reporting period. Following commencement of operations in 2013 the cell was expanded to cater for potentially larger spill incidents associated with a mining fleet. The design capacity is ≤ 1000 tpa of contaminated soil, constructed in accordance with the *Bioremediation of hydrocarbon-contaminated soils in Western Australia* (Department of Environment 2004).

The landfill area was inspected in October 2025 (Appendix 5) and at the end of February 2026 during preparation of this AER, to assess the compliance status and plan remedial or further works. In February 2026 the landfill was generally compliant with licence conditions and had been recently covered (Figure 3-1). The waste tipping area in February 2026 was quite small and well below the 30m maximum. Contaminated or unauthorised waste was not observed.

Used tyres had been buried in the correct location (Figure 3-2 – from 2023), as specified on the licence and covered appropriately. A small number of old tyres (<50) were stored at the landfill in a dedicated cell pending burial (Figure 3-3), which were buried in December 2025.

The site contains a variety of other waste streams which have been stored in earth-bunded cells or stockpiles pending off-site disposal, recycling or disposal in the landfill. Photographs below (Figure 3-5 - Figure 3-10) below show before (Oct 2025) and after clean-up (Feb 2026) shots. Metals and metal recycling bins remain.



Figure 3-1: Landfill tipping area – <30m and covered recently (Feb 2026)



Figure 3-2: Tyre disposal cell on east side adjacent Mill ROM



Figure 3-3: LV tyres in storage area - waiting burial in next tyre disposal cell (Oct 2025)



Figure 3-4: Bunded area at landfill holding hydrocarbon contaminated waste (Oct 2025)



Figure 3-5: Hydrocarbon contaminated waste (Oct 2025)



Figure 3-6: All hydrocarbon waste now in single bunded bay (Feb 2026)



Figure 3-7: New windrow across hydrocarbon bund – excluding surface water (Feb 2026)



Figure 3-8: Piles of old plastic - PVC, Poly pipe etc (Oct 2025)



Figure 3-9: Empty tyre and plastic bays (view SW towards scrap metal (Feb 2026)



Figure 3-10: Empty tyre and plastic bays (view NE towards hydrocarbons (Feb 2026)

3.3 Hydrocarbons and Chemicals

The plant is fully contained by concrete bunding, drains and sealed collection sumps. The workshop has a concrete floor and apron graded towards the washdown bay immediately to its side, which collects any spilt material. The washdown bay was upgraded during 2014, with the installation of a third filtration tank to improve water quality discharged to the evaporation sump, and again in 2016 with the installation of a settlement tank.

All fuel, oils and chemicals are stored on site in bunded containment, with appropriate security if required, such as for Cyanide. A concrete apron at the refuelling bay collects drips and leaks. Waste oil and contaminated waste, such as oil filters is collected and transported off-site for recycling or appropriate disposal. Any hydrocarbon spills are reported, cleaned up and the contaminated soil disposed in the bioremediation cell.

3.4 Complaints

No community complaints have been received by the company regarding noise, odour, dust or blasting vibrations or the environmental impact of activities undertaken at the Premises. A Complaints Register is maintained on site to record and manage complaints received, shown below as Table 3-1. A Hazard Register is also maintained, by which workplace hazards are recorded and actions formulated to address the hazard.

Table 3-1: Community Complaints Register

Date	General Description regarding nature of Complaint	Wind Direction / strength	Action Taken

4 COMPLIANCE

4.1 Incidents

No reportable environmental incidents occurred during the 2025 reporting period.

4.2 L8402/2009/2 Internal Audit

DC carried out an Internal Environmental Audit of the Premises in February 2026 to assess compliance with the conditions of L8402/2009/2. The Licence cover page details are provided below for reference and the audit is shown in Table 4-1. The signed Compliance Statement is provided in Appendix 1.



The image shows the cover page of a licence issued by the Government of Western Australia, Department of Water and Environmental Regulation. The licence number is L8402/2009/2, held by DC Mines Pty Ltd (ACN 653 399 627). The registered business address is Level 2, 3-5 Bennett Street, East Perth 6004. The licence duration is from 01/02/2015 to 31/01/2031, with a date of transfer on 20 April 2023 and a date of amendment on 28 August 2025. The premises details are Golden Dragon Mine, Mining Lease M59/406-I, YALGOO WA 6635, as defined by the coordinates 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: premises on which – (a) Metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or (b) Tailings from metallic or non-metallic ore are reprocessed ore; or (c) Tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	2 350 000 tonnes per annual period
Category 64: Class II or III putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled <i>“Landfill Waste Classification and Waste Definitions 1996”</i> published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	500 tonnes per annual period

This revised licence is granted to the licence holder, subject to the attached conditions, on 28 August 2025, by:

[Redacted Signature]

STATE-WIDE DELIVERY (ENVIRONMENTAL REGULATION)
Officer delegated under section 20 of the *Environmental Protection Act 1986*

L8402/2009/2 (Date of amendment: 28/08/2025)
IR-T06 Licence template (v7.0) (February 2020)

Figure 4-1: L8402 cover page

Table 4-1: Internal Compliance Audit - February 2026

LICENCE NUMBER: L8402/2009/2: Conditions				Compliance	Comments
Approved Premises production or design capacity: Category 5 - 2,350,000 wet tonnes tailings (950,000 dry tonnes ore processed) per annual period; Category 64 - 500 tonnes per annual period				Compliant	No ore processed or tailings produced during 2025; Approximately 20 tonnes of waste disposed to the site landfill during 2025, based on 1 tonne/person and <20 people/day max average utilising the landfill.
1. General					
1.1 Premises Operation					
1.1.1: The Licence holder must ensure that all pipelines containing environmentally hazardous substances are either: <ul style="list-style-type: none"> 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 inspections. 				Compliant	Tailings and process water pipeline are not equipped with telemetry or auto cut-outs; however, process water lines were correctly bunded during operations. Some refurbishment of bunding will likely be required prior to recommencement of operations.
1.1.2: The Licence holder must ensure that tailings and untreated water are only discharged into dams with the relevant infrastructure requirements specified in Table 1 and identified on the Map of containment infrastructure in Schedule 1.				Compliant	No ore processed or tailings produced during 2025.
Table 1: Containment Infrastructure					
Containment Infrastructure Reference	Containment Infrastructure reference on Map of containment infrastructure	Material	Infrastructure Requirements		
TSF A	Cell A	Tailings	Lined to achieve a permeability of $\leq 10^{-9}$ m/s	Yes	Constructed as per approved design, no tailings deposited during 2025.
TSF B	Cell B	Tailings	Lined to achieve a permeability of $\leq 10^{-9}$ m/s	Yes	Constructed as per approved design, no tailings deposited during 2025.
TSF C	Cell C	Tailings	Starter embankments lined to achieve a permeability of $<10^{-9}$ m/s	Yes	Constructed as per approved design, no tailings deposited during 2025.
1.1.3 The Licence holder must manage containment infrastructure in Table 1 such that: <ul style="list-style-type: none"> a) A minimum top of embankment freeboard of 300mm is maintained; b) Stormwater run-off is diverted from the tailings dam/s to prevent flooding or erosion; and 				Compliant	>300mm freeboard was maintained; Storm water was diverted effectively; and

LICENCE NUMBER: L8402/2009/2: Conditions			Compliance	Comments
c) All matter containing saline, alkaline or cyanide constituents are contained within the holding facilities in a manner which prevents pollution.				No tailings were produced during the reporting period,
1.1.4 The Licence holder must manage containment infrastructure in Table 1 such that: a) A seepage recovery trench is maintained downstream of the external toe of the tailings dam/s to recover any liquid matter resulting from the seepage or breach of the embankment; and b) Seepage is returned to TSF A, TSF B, TSF C or re-used in the processing plant.			Compliant	Seepage recovery trench is maintained; All captured seepage water previously returned to the TSF surface or into the central decant for return to the mill, however seepage appeared to have ceased in 2023 and none was recovered.
1.1.5 The Licence holder must: a) Undertake inspections as detailed in Table 2; b) Where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and c) Maintain a record of all inspections undertaken.			Not Compliant	The site is in Care & Maintenance and this infrastructure is not in operation and associated environmental risks are minimal. Inspections were undertaken, however not at the designated frequency and not logged appropriately.
Table 2: Inspection of Infrastructure				
Scope of Inspection	Type of Inspection	Frequency		Comments
TSF A, TSF B and TSF C including all hoppers, tanks, pipes, pipelines, corridors and pumps.	Visual integrity	Daily	No	Site in Care & Maintenance and this infrastructure not operating, however inspections not completed daily.
Embankment freeboard	Visual to confirm required freeboard capacity is available	Daily	No	Site in Care & Maintenance and this infrastructure not operating, however inspections not completed daily.
Chemical/fuel storage areas, workshop areas, heap pads, vat leach pads, pipework and ore treatment plant	Visual Integrity	Weekly	No	Site in Care & Maintenance and this infrastructure not operating, however inspections not completed daily.
1.1.6 The Licence holder must undertake an annual water balance for the active containment infrastructure in Table 2. The water balance shall as a minimum consider the following: f) Site rainfall; g) Evaporation; h) Decant water recovery volumes; i) Seepage recovery volumes; and j) Volumes of tailings deposited.			Compliant	The containment infrastructure is not 'Active' as the site is on care and maintenance and tailings have not been deposited since July 2019.
1.1.7 The Licence Holder must ensure that the landfill infrastructure specified in Table 3 is operated in accordance with the operational requirements specified in Table 3.			Not Compliant	Waste not covered at required intervals (monthly) and stormwater bunds not fully effective.
Table 3 Landfill infrastructure controls				

LICENCE NUMBER: L8402/2009/2: Conditions			Compliance	Comments
Infrastructure and equipment	Operational requirements			Comments
Putrescible landfill located within the area specified in the Premises Map in Schedule 1.	-Tipping face of landfill active trench to be no greater than 30m in length. -Waste to be covered by approximately 300mm of Inert Fill; (a) At least once a month while in use; and (b) Buried tyres to be covered as soon as practical. - Storm-water bunds shall be maintained surrounding landfill trenches capable of diverting storm-water away from waste. -Waste containing visible asbestos shall not be disposed of within the landfill.		Yes No Yes No Yes	Tipping face Less than 30m; Waste not covered at required interval; Mining tyres buried, others stored in tyre area; Bunds not effective at diverting stormwater; No asbestos waste disposed.
1.1.8 The Licence Holder must only dispose of the waste types and volumes specified in Table 4 and using the disposal method specified.			Compliant	See comments below
Table 4 Waste disposal				
Waste type	Waste Volume	Disposal Method		Comments
Inert waste type 2 (Tyres only) ¹	500 tonnes per annual period.	Disposed to tyre disposal cell as specified in the Landfill layout map in Schedule 1.	Yes	Tyres disposed in tyre cell only
Inert waste type 1		Disposed to 'General waste' trench as specified in Landfill layout map in Schedule 1.	Yes	Other waste disposed in General Cell meets requirements; <500 tonnes disposed during reporting period
Clean fill				
Uncontaminated fill				
Putrescible wastes				
Contaminated solid waste meeting waste acceptance criteria specified for Class II landfills ²				
Note 1: Requirements for landfilling tyres are set out in Part 6 of the Environmental Protection Regulation 1987; 2: As defined in the Landfill waste classification and waste definitions 1996 (as amended 2018).				
2: Monitoring				
2.1 General Monitoring				
2.1.1 The Licence holder must ensure that:			Compliant	Samples collected and preserved with appropriate equipment and in accordance with Standard, samples analysed by NATA accredited MPL Laboratories.
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 5667.11; and				

LICENCE NUMBER: L8402/2009/2: Conditions				Compliance	Comments
c) all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.					
2.1.2 The Licence holder shall ensure that quarterly monitoring is undertaken at least 45 days apart.				Compliant	Monitoring events were conducted > 45 days apart.
2.1.3 The Licence holder must ensure that all monitoring equipment used on the Premises comply with the conditions of this Licence and is calibrated in accordance with the manufacturer's specifications.				Compliant	Monitoring equipment (field water quality metre) calibrated appropriately – calibrations recorded on field monitoring sheet.
2.2 Ambient Environmental Quality Monitoring					
2.2.1 The Licensee shall undertake the monitoring specified in Table 5 and record and investigate the exceedance of any limit specified.				Part Compliant	Monitoring was conducted at all bores during all quarters of 2025, with only dry bores not sampled. However, exceedances were not investigated as no material changes to water levels or quality to those observed and investigated previously.
Table 5: Monitoring of ambient groundwater quality					
Emission point Reference on location map	Parameter	Limit (Including Units)	Frequency		Comments
Bore T1D, T1S, T2D, T2S, T3D, T3S, T4D, T4S, T5D, T5S, T6D, T6S, T7D, T7S, T8D, T8S, T9D, T9S, T10D, T10S, T11D, T11S, T12D, T12S, T13D, T13S, T14D, T14S, T15D, T15S, T16D, T16S, T17D, T17S, T18, T19 & T20	Aluminium	--	Quarterly	Yes	Licence limits were exceeded for six parameters in a total of 8 bores: <ul style="list-style-type: none"> TDS in 8 bores: T3D, T4D, T12D, T12S, T14D, T15D, T16D & T17D; pH in one bore: T12S; Cadmium (CD) in one bore: T12S; Nitrate (N) in one bore: T3D; Mercury (Hg) in one bore: T12D; Nickel (Ni) in one bore: T12S.
	Antimony				
	Arsenic	--			
	Cadmium	0.005mg/L			
	Calcium	--			
	Chromium	<0.05mg/L			
	Cobalt				
	Copper	<1.0mg/L			
	Lead	<0.01mg/L			
	Magnesium	--			
	Mercury	<0.002mg/L			
Nickel	<0.2mg/L				

LICENCE NUMBER: L8402/2009/2: Conditions			Compliance	Comments
	Nitrate–Nitrogen	30mg/L		
	Nitrite–Nitrogen	–		
	pH ¹	6.0 – 9.0		
	Selenium	–		
	Sulfate	--		
	Thallium			
	Total Dissolved Solids (TDS)	<1,500mg/L		
	WAD Cyanide	<0.5mg/L		
	Zinc	<5mg/L		
	Standing Water Level (SWL) ²	–		
Note 1: In-field non-NATA accredited analysis permitted; Note 2: SWL shall be determined prior to collection of water samples.				
3: Information				
3.1 Records				
3.1.1 All information and records required by the Licence must: <ul style="list-style-type: none"> 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 3.1.1 (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: <ul style="list-style-type: none"> (i) off-site environmental effects; or (ii) matters which affect the condition of the land or waters. 			Compliant	Records kept, legible and capable of retrieval.
3.1.2 The Licence holder must submit to the CEO within 90 days after the end of the annual period, 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.			Compliant	Annual Audit Compliance Report (AACR) completed and contained in this AER and previous.
3.1.3 The Licence holder must 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.			Compliant	Complaints register contained in this AER (no complaints received) and previous.

LICENCE NUMBER: L8402/2009/2: Conditions				Compliance	Comments
3.2 Reporting					
3.2.1 The Licence holder must submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 6 in the format or form specified in that table.				Compliant	This report represents the required AER containing the information specified, including the AACR and has been submitted by the due date - previous year also.
Table 6: Annual Environmental Report					
Condition or table	Parameter	Format or form ¹		Comments	
--	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	Yes	Section 4: Environmental Management	
Table 5	Monitoring of ambient groundwater quality and limit exceedances	GR1	Yes	Section 2.8: All groundwater monitoring results presented, including limits and exceedances.	
3.1.2	Compliance	AACR	Yes	Appendix 1: AACR	
3.1.3	Complaints summary	None specified	Yes	Section 4.2: Complaints Summary	
3.2.2 The Licence holder must ensure that the Annual Environmental Report also contains: A. An assessment of the information contained within the report against previous monitoring results and License limits and/or targets.				Compliant	The 2025 report compares current data with previous years.
3.3 Notification					
3.3.1 The Licence holder must ensure that the parameters listed in Table 7 are notified to the CEO in accordance with the notification requirements of the table.				Not Compliant	Parameters exceeded in TSF bores were not reported during 2025. In 2016, investigations were undertaken for Cell-C commissioning & licence - monitoring and review as recommended since then - no new findings.
Table 7: Notification Requirements					
Condition or table	Parameter	Notification Requirement ¹	Format or form ²		
2.1.1	Breach of any limit specified in the licence	As soon as practicable, but no later than 5pm of the next working day.	N1	No	See comment above
--	Intention to resume normal operations when in care and maintenance.	At least 3 months before operations recommence	--	Yes	Notification not required to-date.
<i>Note 1: Notification requirements in the licence shall not negate the requirements to comply with s72 of the Act; and Note 2: Forms are in Schedule 2.</i>					

5 APPENDICES

Appendix 1: Signed 2025 Annual Audit Compliance Report (ACR)



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V

Once completed, please submit this form either via email to info-der@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
Locked Bag 33 Cloisters Square
PERTH WA 6850

Section A – Licence Details			
Licence number:	L8402/2009/2	Licence file number:	DER2014/001263-1
Licence holder:	DC Mines Pty Ltd		
Trading as:	DC Mines		
ACN:	653 339 627		
Registered address:	C/- Warriedar Resources Limited, Ground Floor, 41-47 Colin Street West Perth 6005 Western Australia		
Reporting period:	01 / 01 / 2025 to 31 / 12 / 2025		

Section B – Statement of Compliance with Licence Conditions	
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)	
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none">• section C;• section D if required; and• sign the declaration in Section F.	
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none">• section C;• section D if required;• section E; and• sign the declaration at Section F.	

Section C – Statement of Actual Production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed Premises Category	Actual Production Quantity
Category 5	Nil – plant in care and maintenance

Section D – Statement of Actual Part 2 Waste Discharge Quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed Premises Category	Actual Part 2 Waste Discharge Quantity
Category 5	Nil – no tailings deposition in 2025

Section D – Statement of Actual Part 2 Waste Discharge Quantity			
Category 64		Approximately 20 tonnes	
Section E – Details of Non-Compliance with Licence Condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	1.1.5	Date(s) of non-compliance:	2025
Details of non-compliance:			
Inspections were undertaken, however not at the designated frequency and not logged appropriately. The site is in care and maintenance and processing infrastructure is not in operation and associated environmental risks are minimal.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Nil			
Cause (or suspected cause) of non-compliance:			
The inspection requirements of the licence are aimed at minimising and managing environmental risks during mining and processing operations. However, the site is in care and maintenance, processing infrastructure is not operating and environmental risks have changed, making the frequency and target of inspections inappropriate.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
A revised and updated Care & Maintenance Environmental Management Plan (C&M EMP) has been developed during 2025, which includes an appropriate inspection schedule, procedure and checklists for implementation during the current period of care and maintenance. A licence amendment is planned to be prepared and submitted in 2026 to adjust licence conditions accordingly.			
Was this non-compliance previously reported to DWER?			
X Yes			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
Reported to DWER in writing		Date: 28/02/2025 – previous AER	

Section E – Details of Non-Compliance with Licence Condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	1.1.7	Date(s) of non-compliance:	2025
Details of non-compliance:			
Waste at the landfill was not always covered at the required intervals (monthly), and bunding was not effective at diverting all storm-water away from landfill.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
<p>The site is in care and maintenance, with low personnel numbers on-site and waste requiring disposal. The accommodation village in which personnel at the site stayed was operated by Fenix Shine Pty Ltd (operators of the Shine haematite mine) throughout the reporting period and waste from the village was deposited by Fenix in the Shine landfill, greatly reducing the volume of putrescible waste deposited in the landfill. Some additional windblown waste may have been generated due to waste at the landfill remaining uncovered longer, however impacts are expected to be low.</p> <p>Storm-water settles in some of the earthen bunds containing recyclable, hydrocarbon (oils etc) and/or contaminated waste for off-site disposal. Storm-water also settles in a low-point behind these bunded cells and the current (also previous) landfill cells. Some surface soil in the bunded cells impacted by hydrocarbon spills, however impacts are expected to be low, restricted to this localised area only, and able to be cleaned up effectively. The open landfill tipping cell is sufficiently bunded to divert stormwater.</p>			
Cause (or suspected cause) of non-compliance:			
Low use and intermittent staff numbers on-site during 2025.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>A clean-up operation at the landfill was completed in December 2025, including:</p> <ul style="list-style-type: none"> • Burying all exposed landfilled waste; • Burying all old tyres (dedicated area), also all inert materials store at the site, including old PVC and poly pipe etc; • Cleaning up spills in the hydrocarbon storage bay, relocating all oily waste material to this bay and building a bund across the entrance to stop surface water entering; and • Surface water management works. <p>A Landfill Inspection Checklists is included in the revised and updated Care & Maintenance Environmental Management Plan (C&M EMP), completed in October 2025.</p>			
Was this non-compliance previously reported to DWER?			
Yes			

Section E – Details of Non-Compliance with Licence Condition	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 28/02/2025

Section E – Details of Non-Compliance with Licence Condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	2.2.1	Date(s) of non-compliance:	2025
Details of non-compliance:			
<p>Monitoring was conducted at all bores during all quarters of 2025, with only dry bores not sampled.</p> <p>However, exceedances were not investigated as no material changes were observed to water levels or quality from those investigated previously.</p>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
Nil.			
Cause (or suspected cause) of non-compliance:			
Further investigation will generate the same conclusions – exceedances are caused by seepage.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The 2026 investigation into seepage deemed it was occurring, however there were negligible environmental impacts outside of the actual elevated parameter levels, which are expected to return to background levels in time.			
Was this non-compliance previously reported to DWER?			
X Yes			
<input type="checkbox"/> Reported to DWER verbally	Date: / /		
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 28/02/2025		

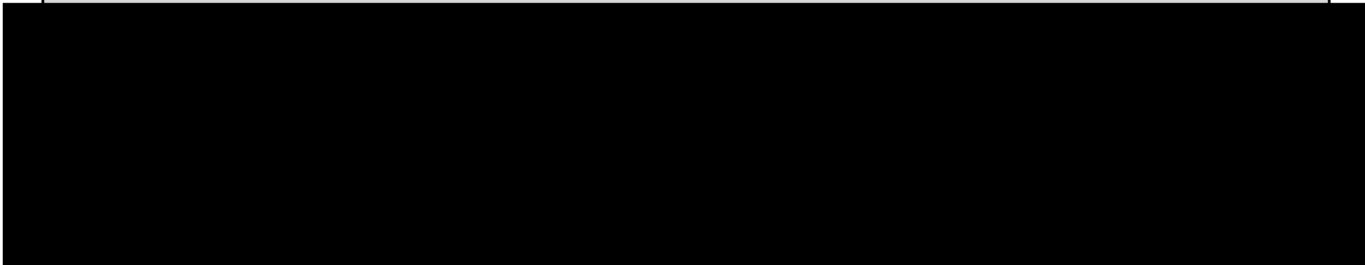
Section E – Details of Non-Compliance with Licence Condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.3.1	Date(s) of non-compliance:	2025
Details of non-compliance:			
Licence limit exceedances during 2025 were not reported as required by Condition 3.3.1.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Nil			
Cause (or suspected cause) of non-compliance:			
Previously investigated and reported.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>An investigation was conducted during 2016 into TSF seepage that had been identified, with the report provided to DWER with the TSF Cell C Commissioning Report. The investigation concluded that seepage was occurring, however it was unlikely to cause negative environmental impact or contribute to environmental harm. It was recommended that, to further reduce the residual risk presented by seepage, the existing monitoring network should be expanded to include the newly constructed monitoring bores. Sampling of groundwater within the expanded monitoring network should continue to be conducted quarterly with all samples tested for general water quality and dissolved metals as previously.</p> <p>Seepage was the source of the exceedances in T3D, T12D & T12s, however 2025 monitoring results indicate that TDS, the lead indicator due to saline process water (from Silverstone pit) is stable in T3D, stable in T12D, and elevated and still unstable in T12S.</p> <p>Deposition of tailings ceased in July 2019 and seepage is naturally reducing as the TSF dries out. Lateral seepage at the TSF toe is no longer visible, and toe-drains collecting this lateral seepage have been dry during 2025 (apart from rainfall events). Monitoring and review of results continues as recommended.</p>			
Was this non-compliance previously reported to DWER?			
X Yes, and			

Section E – Details of Non-Compliance with Licence Condition	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 25 / 11 /2016

Section F – Declaration

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular¹.

I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation’s (DWER) website.



Date:	28 February 2026	Date:	
Seal (if signing under seal):			

¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.

Appendix 2: 2018 - 2025 TSF Bore Monitoring - Field Analysis

2018-2025 TSF Bores - Field Analysis

	Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20	
SWL	Q1-18	26.77	26.85	23.46	21.63		26.94	27.72	36.22	30.76	27.48	17.22	32.09		21.58	24.02	20.94	22.92	22.67	40.42	37.42	41.65	
	Q2-18	26.54	27.20	23.96	19.90		26.89	27.60	35.81	30.67	27.34	16.93	32.62		21.91	24.01	20.69	23.12	22.94	40.40	37.85	43.45	
	Q3-18	26.50	27.28	22.93	21.95		26.85	27.52	35.57	30.65	27.28	16.46	32.74		21.96	24.01	20.74	23.13	23.03	40.42	38.08	43.91	
	Q4-18	26.26	27.30	23.42	21.89		27.76	27.41	35.08	30.64	27.27	16.05	32.70		21.94	23.99	20.81	23.15	23.05	40.42	38.41	45.36	
	Q1-19	26.32		23.97	22.22		26.66	27.26	34.50	30.92	27.57	16.38	32.87		22.20	23.93	22.96	22.34	23.16	40.70	38.90	47.13	
	Q2-19	26.56	27.63	24.17	23.33		26.64	27.23	34.18	31.22	28.29	17.02	33.01		22.32	23.98	21.06	23.43	23.28	41.03	39.36	47.98	
	Q3-19	26.47					26.53	27.03	33.72	31.57	28.20	17.18	32.71										
	Q4-19	26.70						27.07	33.57	31.75	28.30	17.90	32.03		22.56	23.43	21.25	23.46	23.53	41.48	39.80		
	Q1-20	27.52					26.61	27.82	33.43	31.96	28.50	19.38	31.96		22.73	24.06	21.44	23.61	23.68	41.71	39.86	44.71	
	Q2-20	27.83					26.71	27.47	33.40	32.14	28.78	20.40	29.60			24.90	21.47		23.80	41.87	39.87	44.30	
	Q3-20		27.65		23.16		26.76	27.66	33.42	32.27	28.92	20.84	32.60		23.23	23.46	21.69	23.79	23.10				
	Q1-21	28.84	27.84	25.91	23.31		27.06	27.94	33.67	32.49	29.18	21.92	33.03		23.64	24.43	24.94						
	Q2-21	29.18			23.16		27.19	28.19	33.86	32.71	29.34	22.50	32.82		23.59	24.16	21.97	23.95	24.95	42.41	40.32	45.56	
	Q3-21	29.43			23.72		27.36	28.26	34.03	32.91	29.58	23.09	33.00		23.85	24.16	22.00	23.74	24.48	42.49	40.45	45.00	
	Q4-21	29.66			24.10		22.10	28.11	34.90	33.90	29.74	23.42	33.25		24.10	24.90	22.16	21.89	24.73	42.81	40.56	45.98	
	Q1-22	29.83	Dry	Dry	24.40		27.74	28.57	34.28	33.30	29.92	23.79	33.35		24.61	24.80	22.45	24.44	25.40	42.91	40.63	45.28	
	Q2-22	29.94	Dry	Dry	24.20		27.82	29.00	34.40	34.42	30.09	24.00	33.35		24.59	25.07	22.00	37.58	25.00	43.12	40.68	44.55	
	Q3-22	30.10	Dry	Dry	24.46		27.82	26.71	34.38	36.30	30.36	24.27	33.58		24.74	25.22	22.17	24.24	25.20				
	Q1-23	30.27	28.17	26.90	12.27		27.98	28.64	34.65	33.66	30.35	24.69	35.44	6.96	25.81	25.34	22.73	24.44	25.38	43.35	40.29	43.54	
	Q2-23	30.41	28.18	27.00	24.75		28.13	29.02	34.76	33.81	30.44	25.38	33.60	7.3	25.88	25.44	22.80	24.52	24.40	43.40	40.56	43.28	
	Q3-23	30.57	28.28	27.00	24.86	11.57	28.24	29.07	34.89	33.79	30.50	25.17	33.75	6.82	25.02	25.56	22.90	24.56	25.58	43.46	40.53	43.04	
	Q4-23	30.57	28.27	0.00	24.93	11.69	28.26	29.11	34.97	33.85	30.58	25.25	33.92	6.94	25.13	25.69	23.00	24.68	25.70	43.49	40.52	42.87	
	Q1-24	30.92	28.55	27.50	25.20	11.85	28.49	29.33	35.07	34.40	30.65	25.45	33.50	9.15	25.40	25.83	23.27	24.80	25.98	43.62	40.60	42.79	
	Q2-24	30.80	25.44	27.30	25.20	11.8	28.40	29.29	35.24	35.94	30.70	25.63	33.00	8.05	25.33	25.75	23.22	24.87	25.81	43.55	40.56	42.57	
		Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20
	Q3-24	31.60	28.64	27.25	25.30	11.75	28.50	29.43	35.33	34.00	29.74	25.80	32.00	7.5	25.42	25.90	23.28	24.85	25.85	no data	no data	no data	
	Q4-24	31.12	29.00	27.50	25.40	11.5	28.72	29.59	32.35	33.90	30.86	26.00	33.10	6.7	25.66	26.50	23.08	24.90	26.13	43.79	41.25	46.93	
	Q1-25	31.31	29.80	27.60	25.50	11.87	28.42	29.45	35.60	33.70	31.67	25.10	33.50	7.5	25.78	26.60	23.46	25.10	26.60	44.22	42.12	46.50	
	Q2-25	32.46	28.85	27.50	27.32	9.93	25.45	32.52	33.60	34.07	30.74	26.18	34.71	10.03	26.63	26.77	23.54	25.10	26.31	44.36	42.44	49.28	
	Q3-25	31.47	30.28	28.61	25.53	10.91	27.45	30.06	37.77	29.28	32.10	25.63	33.55	7.82	26.73	26.78	22.89	25.13	26.35	44.47	42.55	49.07	
	Q4-25	32,36	31,23	27.52	25.63	11.05	25.45	30.10	36.92	30.15	32.23	26.32	34.12	8.21	24.52	26.32	23.51	25.21	26.72	44.56	42.72	50.49	
pH	Q1-19	6.59	7.33	6.53	7.14		7.21	7.78	7.62	6.68	6.73	6.70	7.68		7.41	7.23	7.16	7.26	7.17	6.37	6.13	7.08	
	Q2-19	6.61	7.07	6.39	7.19		7.30	7.80	7.67	6.84	6.96	7.23	5.37		7.33	7.36	7.06	7.16	7.08	6.48	6.13	7.24	
	Q3-19	6.29	N/A	N/A	N/A		7.14	7.61	7.41	7.14	6.72	7.13	6.51		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Q4-19	6.64	N/A	N/A	N/A		N/A	7.72	7.60	6.90	7.01	7.43	7.45		7.23	7.12	7.06	7.01	6.78	6.52	5.96	N/A	
	Q1-20	7.67	N/A	N/A	N/A		7.86	8.47	8.41	7.65	7.94	8.27	8.39		7.96	7.78	7.74	7.73	7.70	7.11	7.35	8.80	
	Q2-20	7.25	N/A	N/A	N/A		NA	8.69	8.44	7.85	8.30	8.33	7.52		N/A	8.84	8.70	N/A	9.05	9.11	9.33	8.57	
	Q3-20	N/A	8.74	N/A	8.26		8.52	9.43	8.39	7.95	8.30	8.26	6.21		8.03	8.34	7.74	7.60	7.56	N/A	N/A	N/A	
	Q1-21	7.42	9.44	7.51	8.52		6.56	9.03	7.99	7.79	7.42	7.73	7.02		8.56	8.92	8.20	N/A	N/A	N/A	N/A	N/A	
	Q2-21	7.39	Dry	Dry	7.72		7.43	7.99	8.05	8.00	8.22	7.65	6.06		7.80	7.73	7.48	7.78	8.16	7.36	7.59	7.35	
	Q3-21	7.65	Dry	Dry	7.87		7.73	8.13	7.92	7.72	7.36	7.83	8.17		7.85	7.84	7.72	7.50	8.22	7.85	7.60	7.27	
	Q4-21	7.36	Dry	Dry	7.58		7.80	8.05	8.15	7.85	7.61	7.09	6.42		7.96	7.44	7.45	7.26	8.40	7.43	N/A	6.55	
	Q1-22	6.48	Dry	Dry			7.18		7.51	7.03	7.04	7.04	5.70		7.34	7.17	7.11	6.94	7.10	6.61	5.98	7.24	
	Q2-22	7.45	Dry	Dry	7.16		7.92	7.52	8.01	8.24	7.83	7.52	6.16		7.76	7.38	7.60	7.40	7.81	6.84	6.68	6.81	
	Q3-22	7.44	Dry	Dry	7.73		7.91	7.71	7.90	7.96	7.78	7.69	5.75		7.26	7.50	7.65	7.50	8.02				
	Q1-23	6.85	7.40	6.83	7.16		7.48	7.42	7.49	7.07	7.23	7.40	5.72	4.98	7.42	7.43	7.36	7.21	7.33	6.46	6.44	7.21	
	Q2-23	5.85	6.22	5.90			6.51	5.56	6.64	6.55	6.20		4.31	4.22	6.45	6.50	6.40	6.35	6.40	6.55	6.04	6.86	
Q3-23	7.41	7.10			4.29	7.44	7.24	7.86	7.66	7.37	7.76	6.24	5.06	7.72	6.56	7.24	6.90	7.34	7.22	7.45	7.77		
Q4-23	6.66	7.07		6.90		6.95	7.10	7.10	6.80	6.96	7.07	5.41	4.79	7.09	7.02	7.12	7.09	7.13	6.82	6.98	7.22		

	Q1-24	7.68	7.90	no sample	8.06		7.95	8.40	8.23	7.84	7.92	7.61	6.48	5.53	8.29	7.93	7.91	7.80	7.82	7.19	7.46	7.97	
	Q2-24	7.12	7.34	no	4.42		4.25	4.18	4.27	7.61	7.30	7.46	5.93	5.1	4.56	4.28	7.26	7.48	7.69	7.59	7.10	7.20	
	Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20	
	Q3-24	6.66	6.53	6.67	6.46		5.78	5.94	5.99	6.00	5.94	6.12	7.37	7.3	6.04	6.11	6.75	6.72	6.50	no data	no data	no data	
	Q4-24	6.91	no	NS	7.25		7.53	7.16	7.23	7.13	7.12	6.92	5.87	5.12	7.65	7.31	7.02	6.66	7.17	6.56	6.18	7.01	
	Q1-25	7.29	7.34	NS	7.20	NS	7.92	7.76	7.78	7.32	6.75	7.36	6.12	5.39	7.39	7.66	6.95	7.19	7.26	6.75	5.94	7.19	
	Q2-25	6.92	8.44	6.54	7.51	NS	7.61	7.45	6.41	6.98	6.63	7.52	6.07	6.15	7.14	7.55	7.35	7.40	7.50	6.82	6.18	7.41	
	Q3-25	7.32	7.90	6.72	7.55	7.43	6.78	8.04	6.55	6.72	7.04	7.36	7.14	NS	6.96	7.48	7.33	7.18	7.51	7.54	6.25	7.21	
	Q4-25	7.57	7.54	8.30	7.36	7.56	7.65	8.12	6.57	6.81	7.68	7.48	7.36	5.89	4.52	7.56	7.21	6.59	7.33	7.87	8.04	7.09	
TDS (mg/L)	Q1-19	726	885	13,560	1,045		736	922	573	348	468	692	1,700		987	1,357	1,292	2,530	1,500	325	283	645	
	Q2-19	891	1,013	13,650	1,198		735	900	611	365	469	730	8,710		954	1,540	1,285	2,570	1,720	325	290	747	
	Q3-19	779	N/A	N/A	N/A		682	898	597	366	456	769	2,230		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Q4-19	755	N/A	N/A	N/A		N/A	890	606	367	467	726	2,370		925	1,500	1,278	2,500	1,450	326	273	N/A	
	Q1-20	736	N/A	N/A	N/A		680	873	590	353	454	727	2,190		925	1,500	1,191	2,540	1,510	306	271	764	
	Q2-20	743	N/A	N/A	N/A		N/A	894	513	360	457	722	3,200		N/A	1,530	1,108	N/A	1,520	322	332	743	
	Q3-20	N/A	861	N/A	1,155		683	900	580	355	445	700	8,710		911	1,550	1,210	2,480	1,490	N/A	N/A	N/A	
	Q1-21	783	857	11,230	1,161		673	899	588	360	436	743	4,340		927	1,480	1,560	N/A	N/A	N/A	N/A	N/A	
	Q2-21	772	Dry	Dry	1,160		677	893	613	393	455	665	5,680		916	1,490	1,194	2,320	1,340	477	285	732	
	Q3-21	880	Dry	Dry	1,127		657	871	583	353	446	717	4,860		852	1,420	1,202	2,290	1,429	332	270	701	
	Q4-21	686	Dry	Dry	1,136		720	889	613	378	438	708	6,980		918	1,480	1,248	2,350	1,340	525	260	743	
	Q1-22	835	Dry	Dry			640		574	356	428	646	4,630		901	1,370	1,155	2,270	1,420	671	377	981	
	Q2-22	797	Dry	Dry	1,182		700	920	631	392	459	683	6,020		1,040	1,510	1,273	2,510	1,460	451	278	747	
	Q3-22	774	Dry	Dry	1,113		601	777	585	372	404	644	5,440		898	1,480	1,226	2,030	1,214				
	Q1-23	8	897	9,410	1,335		674	687	618	382	460	646	4,710	13,610	940	1,480	1,242	2,500	1,500	313	276	735	
	Q2-23	820	916	940			733	696	868	395	422	653	4,310		938	0	0	0	0	335	278	766	
	Q3-23	721	1,420			7,570	705	676	636	389	450	612	3,540		929	0	1,216	2,470	1,423	318	291	730	
	Q4-23	833	881		1,179		673	708	572	387	457	622	4,260		1,027	1,490	1,205	2,490	1,490	318	280	725	
	Q1-24	718	986	no sample	1,189		692	651	608	398	484	737	4,210		935	1,500	1,292	2,530	1,290	323	2,930	749	
	Q2-24	771	908	no	1,233		676	662	610	414	477	537	3,940	13030	938	1,480	1,005	2,470	1,480	355	289	734	
		Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20
		Q3-24																					
		Q4-24	700	NS	NS	1,610	NS	830	917	620	450	490	555	4,910	18,700	1,244	2,210	995	2,510	1,400	442	478	919
		Q1-25	869	1,311	NS	1,460	NS	878	832	831	538	631	770	4,660	18,210	1,182	1,970	1,531	2,850	1,890	459	398	979
	Q2-25	873	1,235	11,460	2,830	NS	751	807	828	607	628	752	5,210	15,200	1,209	1,890	1,797	3,127	2,210	420	458	986	
	Q3-25	792	1,233	11,470	10,730	2,740	872	835	731	493	705	764	5,730	NS	1,652	2,080	1,760	2,360	2,220	537	530	1,688	
	Q4-25	762	1,328	9,060	2,060	3,180	753	807	762	499	709	772	6,040	15,180	927	2,340	1,370	3,150	1,940	437	468	1,067	
EC (us/cm)	Q1-19	1,502	1,815	24,560	2,127		1,521	1,889	1,207	737	984	1,434	3,380		2,013	2,737	2,612	4,970	3,110	695	607	1,339	
	Q2-19	1,749	2,072	24,790	2,427		1,516	1,846	1,271	776	989	1,510	16,400		1,946	3,120	2,596	5,040	3,420	697	625	1,544	
	Q3-19	1,598	N/A	N/A	N/A		1,390	1,840	1,240	779	961	1,575	4,410		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Q4-19	1,560	N/A	N/A	N/A		N/A	1,827	1,263	780	983	1,502	4,710		1,895	3,030	2,577	4,910	2,860	697	588	N/A	
	Q1-20	1,500	N/A	N/A	N/A		1,392	1,770	1,218	745	945	1,485	4,240		1,872	2,990	2,384	4,940	3,000	648	578	1,558	
	Q2-20	1,519	N/A	N/A	N/A		N/A	1,811	1,066	757	949	1,477	6,120		N/A	3,050	2,538	N/A	3,020	687	642	1,528	
	Q3-20	N/A	1,754	N/A	2,343		1,415	1,803	1,201	741	953	1,416	16,210		1,834	2,970	2,418	4,810	2,970	N/A	N/A	N/A	
	Q1-21	1,587	1,740	20	2,334		1,368	1,828	1,222	771	912	1,516	8,200		1,885	2,920	3,010	N/A	N/A	N/A	N/A	N/A	
	Q2-21	1,594	Dry	Dry	2,282		1,405	1,806	1,274	800	954	1,351	10,380		1,864	2,920	2,372	4,530	2,670	1,016	616	1,511	
	Q3-21	1,622	Dry	Dry	2,155		1,282	1,697	1,138	707	882	1,405	8,600		1,635	2,670	2,256	4,260	2,673	671	548	1,367	
	Q4-21	1,336	Dry	Dry	2,167		1,422	1,707	1,207	750	863	1,377	12,360		1,776	2,760	2,367	4,360	2,550	1,050	528	1,441	
	Q1-22	1,603	Dry	Dry			1,250		1,126	714	850	1,262	8,390		1,734	2,660	2,202	4,210	2,690	664	587	1,504	
	Q2-22	1,545	Dry	Dry	2,248		1,750	1,773	1,229	775	915	1,334	10,710		1,973	2,800	2,430	4,620	2,770	895	564	1,453	
Q3-22	1,510	Dry	Dry	2,150		1,177	1,517	1,145	748	793	1,270	9,680		1,729	2,750	2,335	3,730	2,300					
Q1-23	1,704	1,934	18,360	2,828		1,472	1,503	1,351	854	1,019	1,412	9,470	4,400	2,020	3,120	2,639	5,160	3,180	705	626	1,597		

	Q2-23	1,757	1,959	18,230			1,562	1,512	1,870	863	1,045	1,412	8,610		2,010	3,280	2,850	5,060	3,170	748	626	1,634
	Q3-23	1,592	3,100			15,200	1,564	1,501	1,410	878	1,012	1,371	7,390		2,047	3,160	2,610	5,210	3,220	730	668	1,630
	Q4-23	1,911	1,962		2,595		1,523	1,577	1,312	885	1,062	1,397	8,980		2,264	3,230	2,663	5,270	3,260	733	672	1,609
	Q1-24	1,562	2,113	no sample	2,530		1,499	1,418	1,326	884	1,067	1,604	8,490		2,008	3,180	2,634	5,220	2,730	745	659	1,625
	Q2-24	1,735	2,035	no	2,732		1,539	1,507	1,363	961	1,098	1,235	8,300	26020	2,102	3,260	2,245	5,320	3,270	831	679	1,678
	Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20
	Q3-24																					
	Q4-24	1,431	NS	NS	3		1,317	1,431	1,256	839	1,004	1,251	8	28,700	1,924	3	2	5	3	665	780	1,493
	Q1-25	1,406	2,106	NS	2,320	NS	1,424	1,330	1,340	869	983	1,233	7,550	29,200	1,922	3,070	2,440	4,390	3,120	715	624	1,542
	Q2-25	1,566	1,985	19,400	5,310	NS	1,523	1,257	1,336	794	954	1,197	7,040	32,900	1,876	3,280	2,570	5,200	3,400	682	749	1,609
	Q3-25	1,501	1,872	19,300	7,310	8,920	892	1,238	1,294	756	976	1,308	6,740	NS	1,933	2,170	5,380	4,280	3,600	906	953	1,108
	Q4-25	1,472	1,866	18,360	2,330	1,102	1,531	1,256	1,324	693	966	1,275	6,350	24,200	2,136	3,150	3,270	5,230	3,150	704	737	1,718
Temp	Q1-19	25.3	25.3	24.7	24.8		25.0	24.0	26.5	27.4	30.0	28.0	25.5		24.5	24.5	24.4	24.5	24.3	27.4	28.5	27.9
	Q2-19	23.6	22.9	23.9	23.3		24.2	24.0	24.1	23.6	24.1	22.6	24.0		23.6	23.2	23.6	24.2	23.7	23.3	23.3	23.7
	Q3-19	24.0	N/A	N/A	N/A		26.2	23.9	24.0	24.5	25.1	23.4	24.4		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Q4-19	25.4	N/A	N/A	N/A		N/A	25.8	25.7	25.2	24.9	24.2	27.1		26.8	26.7	26.6	36.6	26.5	26.9	26.9	N/A
	Q1-20	24.2	N/A	N/A	N/A		25.2	24.5	24.1	25.0	24.8	24.5	25.2		24.4	25.7	25.7	25.2	25.8	27.1	26.2	25.1
	Q2-20	20.2	N/A	N/A	N/A		N/A	19.6	21.0	21.6	20.4	20.7	19.4		N/A	20.5	20.7	N/A	21.2	20.9	19.7	22.0
	Q3-20	N/A	23.9	N/A	23.0		23.4	23.3	24.4	23.9	22.0	22.2	21.8		24.0	24.5	24.5	24.6	24.4	N/A	N/A	N/A
	Q1-21	22.4	22.0	23.2	24.2		23.6	22.8	23.7	22.4	22.9	21.6	22.3		23.7	25.3	23.1	N/A	N/A	N/A	N/A	N/A
	Q2-21	22.8	Dry	Dry	21.1		21.5	21.5	21.6	21.6	23.1	22.8	23.5		21.3	21.7	22.0	21.6	22.1	23.0	23.0	22.9
	Q3-21	23.0	Dry	Dry	23.3		24.0	23.0	24.0	23.9	24.0	22.4	24.1		24.7	23.9	26.1	25.5	26.0	26.0	25.1	24.9
	Q4-21	24.8	Dry	Dry	23.1		23.3	24.8	23.2	25.1	25.9	25.5	24.5		23.3	24.0	23.4	23.3	23.3	26.5	25.2	26.8
	Q1-22	24.5	Dry	Dry			24.9		25.2	24.7	25.2	25.0	26.4		23.9	24.6	23.4	24.7	24.1	25.5	25.3	24.9
	Q2-22	23.3	Dry	Dry	Dry		22.2	22.5	23.0	23.0	23.1	24.2	24.2		21.0	21.9	21.4	21.0	19.0	25.2	24.9	25.1
	Q3-22	22.0	Dry	Dry	20.4		22.5	22.5	23.4	22.6	22.6	21.7	22.3		20.5	22.0	20.6	20.5	20.6			
	Q1-23	23.6	23.9	22.5	25.0		25.3	25.6	25.8	23.6		23.1	23.1	26.6	24.4		23.2	23.7	23.3	25.2	25.7	24.7
	Q2-23	22.6	22.6	22.3			20.5	21.4	22.4	22.0	21.0	22.4	22.5	24.5	23.0	21.4	22.8	22.6	22.9	23.1	23.2	22.9
	Q3-23	24.7	24.7			25.7	26.5	26.2	25.2	25.7	26.9	24.7	25.2	24.9	27.4	26.0	26.5	27.0	28.0	27.2	25.8	25.9
	Q4-23	26.9	26.1		25.7		26.9	26.3	27.1	27.8	27.0	27.1	25.8	26.2	27.0	26.5	26.5	26.7	27.4	27.8	26.9	27.1
	Q1-24	24.7	23.9	no water	22.0		22.3	22.6	25.9	26.1	25.5	25.2	25.2	25.3	22.6	23.3	22.7	23.8	22.9	25.8	24.9	24.5
	Q2-24	22.9	23.8	no	22.3		23.3	23.7	22.9	23.0	22.8	22.3	22.9	23.9	23.3	23.4	22.5	22.7	22.1	22.9	23.3	22.5
	Period	T1 Deep	T2 Deep	T3 Deep	T4 Deep	T4 Shallow	T5 Deep	T6 Deep	T8 Deep	T9 Deep	T10 Deep	T11 Deep	T12 Deep	T12 Shallow	T13 Deep	T14 Deep	T15 Deep	T16 Deep	T17 Deep	T18	T19	T20
	Q3-24	22.4	21.1	19.8	19.0		22.0	21.4	21.7	22.1	21.1	21.4	21.4		20.5	20.9	19.0	19.2	19.1			
	Q4-24	25.70	no	no	28.00		27.40	25.70	29.50	27.20	27.20	25.70	28.50	29.5	27.50	29.30	30.00	30.60	30.60	30.00	31.10	33.00
	Q1-25	23.80	23.60	NS	29.10	NS	31.60	28.00	23.90	23.10	24.00	23.10	23.90	23.1	28.00	28.30	27.40	29.40	27.90	23.50	24.00	24.50
	Q2-25	21.70	15.30	15.80	17.50	NS	25.30	22.40	20.10	22.70	23.50	24.30	20.90	22.8	21.50	18.90	16.90	17.20	15.60	25.40	21.40	22.20
	Q3-25	20.70	16.70	18.90	17.50	23.7	25.40	24.70	23.60	23.70	25.80	30.10	23.00	NS	27.40	29.40	23.70	23.70	19.70	16.20	14.50	18.30
	Q4-25	23.90	25.60	24.80	31.10	30.8	28.10	26.40	27.70	24.20	25.30	27.20	26.70	25.7	24.60	25.30	26.30	29.20	27.80	24.90	26.30	24.90

Appendix 3: 2018 - 2025 TSF Bore Monitoring – Lab Analysis

2018-2025 Laboratory Analysis - TSF bores

Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T1 Deep	Q1-18	26.77	6.80	830	45	6.44	<0.50	<0.004	<0.01	N/A	0.005	<0.0001	0.012	N/A	0.002	<0.001	0.016	<0.00005	<0.001	0.004	8.6	25
T1 Deep	Q2-18	26.54	7.10	840	40	6.21	<0.50	<0.004	<0.01	N/A	0.005	<0.0001	0.011	N/A	0.002	<0.001	0.015	<0.00005	<0.001	0.005	9	25
T1 Deep	Q3-18	26.5	6.80	840	40	6.44	<0.50	0.007	<0.01	N/A	0.005	<0.0001	0.011	N/A	0.003	<0.001	0.017	<0.00005	<0.001	0.006	8.9	24
T1 Deep	Q4-18	26.26	6.70	890	33	7.36	<0.50	<0.004	<0.01	N/A	0.005	<0.0001	0.016	N/A	0.002	<0.001	0.013	<0.00005	<0.001	0.003	9.7	27
T1 Deep	Q1-19	26.32	6.80	860	21	7.36	<0.50	<0.004	<0.01	<0.001	0.004	<0.0001	0.015	0.002	0.002	<0.001	0.011	<0.00005	<0.001	0.002	10	27
T1 Deep	Q2-19	26.56	6.70	890	38	8.28	<0.50	<0.004	<0.01	<0.001	0.004	<0.0001	0.016	0.003	0.003	<0.001	0.022	<0.00005	<0.001	0.003	12	33
T1 Deep	Q3-19	26.47	6.70	920	35	7.82	<0.50	<0.004	<0.01	<0.001	0.005	<0.0001	0.016	0.002	0.002	<0.001	0.016	<0.00005	<0.001	0.003	11	29
T1 Deep	Q4-19	26.7	6.80	920	36	7.36	<0.50	<0.004	<0.01	0.001	0.004	<0.0001	0.014	0.002	0.003	<0.001	0.022	<0.00005	<0.001	0.002	11	27
T1 Deep	Q1-20	27.52	6.90	880	35	8.05	N/A	<0.004	<0.01	0.001	0.004	<0.0001	0.015	0.003	0.003	<0.001	0.02	<0.00005	<0.001	0.003	10	27
T1 Deep	Q2-20	27.83	6.80	890	37	8.05	N/A	<0.004	<0.01	<0.001	0.004	<0.0001	0.015	0.003	0.004	<0.001	0.021	<0.00005	<0.001	0.003	12	28
T1 Deep	Q1-21	28.84	6.80	930	38	8.97	<0.10	<0.004	<0.01	0.001	0.005	<0.0001	0.014	0.005	0.002	<0.001	0.022	<0.00005	<0.001	0.003	12	27
T1 Deep	Q2-21	29.18	6.70	960	29	9.66	<0.10	N/A	<0.01	<0.001	0.003	<0.0001	0.015	0.004	0.001	<0.001	0.013	<0.00005	<0.001	0.002	11	32
T1 Deep	Q3-21	29.43	6.90	930	N/A	8.10	<0.005	<0.004	<0.01	0.001	0.005	<0.0001	0.015	0.005	0.003	<0.001	0.03	<0.00005	<0.001	0.003	12	28
T1 Deep	Q4-21	29.66	6.80	790	31	9.80	0.02	<0.004	0.01	<0.001	0.002	<0.0001	0.014	0.004	<0.001	<0.001	0.025	<0.00005	<0.001	0.001	11	32
T1 Deep	Q1-22	29.83	No lab sample																			
T1 Deep	Q2-22	29.94	No lab sample																			
T1 Deep	Q3-22	30.1	7.00	950	28	9.50	<0.10	<0.004	<0.01	<0.001	0.0023	<0.0001	0.016	0.0054	<0.001	<0.001	0.0086	<0.00005	<0.001	0.0014	11	32
T1 Deep	Q1-23	30.27	6.90	970	28	9.20	<0.10	<0.0040	<0.01	0.0014	0.0019	<0.0001	0.01	0.0042	0.0016	<0.001	0.0071	<0.00005	<0.001	0.0019	7.3	22
T1 Deep	Q2-23	30.41	7.00	940	30	8.90	<0.10	<0.0040	<0.01	<0.001	0.0024	<0.0001	0.014	0.009	0.001	<0.001	0.0045	<0.00005	<0.001	0.0034	10	30
T1 Deep	Q3-23	30.57	7.00	860	31	9.20	<0.10	<0.0040	<0.01	<0.001	0.0028	<0.0001	0.013	0.0044	0.0011	<0.001	0.0038	<0.00005	<0.001	0.0012	11	32
T1 Deep	Q4-23	30.57	7.30	930	39	9.70	<0.10	0.0061	<0.01	<0.001	0.0031	<0.0001	0.013	0.019	0.0042	<0.001	0.018	0.00008	<0.001	0.0057	11	27
T1 Deep	Q1-24	30.92	7.40	960	35	9.10	<0.10	<0.0040	<0.01	<0.001	0.0032	<0.0001	0.012	0.0032	0.0016	<0.001	0.0069	<0.00005	<0.001	0.0013	9.9	27
T1 Deep	Q2-24	30.8	7.30	890	34	8.10	<0.10	<0.0040	<0.01	<0.001	0.0034	<0.0001	0.011	0.014	<0.001	<0.001	0.0031	0.000096	<0.001	0.003	11	27
T1 Deep	Q3-24	31.6	7.40	1,200	84	8.10	<0.10	<0.0040	<0.01	<0.001	0.0032	0.00017	0.011	0.077	0.0019	<0.001	0.011	0.00028	<0.001	0.025	30	41
T1 Deep	Q4-24	31.12	7.60	910	28	7.80	<0.10	<0.0040	0.015	<0.001	0.0043	<0.0001	0.011	0.0025	0.0019	<0.001	0.013	0.0001	<0.001	0.0019	8.3	26
T1 Deep	Q1-25	31.31	7.30	810	31	8.70	<0.10	<0.0040	<0.01	<0.001	0.0038	<0.0001	0.012	0.0025	<0.001	<0.001	0.0024	<0.0005	<0.001	0.0016	8.7	26
T1 Deep	Q2-25	32.46	7.30	800	25	8.20	<0.10	<0.0040	<0.01	<0.001	0.0041	<0.0001	0.012	0.0029	<0.001	<0.001	0.0018	<0.0005	<0.001	0.0011	8.5	25
T1 Deep	Q3-25	31.47	7.60	820	40	9.20	<0.10	<0.0040	<0.01	<0.001	0.0034	<0.0001	0.0092	0.035	<0.001	<0.001	0.0015	<0.0005	<0.001	0.0046	14	29
T1 Deep	Q4-25	32.36	8.00	860	30	7.60	<0.10	<0.0040	<0.01	<0.001	0.004	<0.0001	0.01	0.016	<0.001	<0.001	0.002	<0.0005	<0.001	0.0016	12	30
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T2 Deep	Q2-18	27.2	7.70	1,100	90	6.67	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.006	N/A	<0.001	<0.001	0.002	<0.00005	0.001	<0.001	19	35
T2 Deep	Q3-18	27.28	7.50	1,100	92	6.90	<0.50	<0.004	<0.01	N/A	0.002	<0.0001	0.006	N/A	0.001	<0.001	0.002	<0.00005	0.001	<0.001	18	35
T2 Deep	Q4-18	27.3	7.40	1,100	87	6.44	<0.50	<0.004	<0.01	N/A	0.002	<0.0001	0.007	N/A	0.001	<0.001	0.002	<0.00005	<0.001	<0.001	18	36
T2 Deep	Q2-19	27.63	7.30	1,200	96	6.90	<0.50	<0.004	<0.01	<0.001	0.002	<0.0001	0.006	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	19	43
T2 Deep	Q3-20	27.65	7.40	1,100	86	4.83	<0.50	<0.004	<0.01	<0.001	0.003	<0.0001	0.006	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	18	33
T2 Deep	Q1-21	27.84	7.40	1,100	90	6.44	<0.10	<0.004	<0.01	<0.001	0.003	<0.0001	0.006	<0.001	0.002	<0.001	0.003	<0.00005	<0.001	<0.001	16	30
T2 Deep	Q2-21	Dry	No lab sample																			
T2 Deep	Q3-21	Dry	No lab sample																			
T2 Deep	Q4-21	Dry	No lab sample																			
T2 Deep	Q1-22	Dry	No lab sample																			
T2 Deep	Q2-22	Dry	No lab sample																			
T2 Deep	Q3-22	Dry	No lab sample																			
T2 Deep	Q1-23	28.17	7.60	990	63	4.90	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.0038	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	10	17
T2 Deep	Q2-23	28.18	7.70	1,100	87	6.40	<0.10	<0.0040	<0.01	<0.001	0.0027	<0.0001	0.0067	<0.001	<0.001	<0.001	0.0031	<0.00005	<0.001	<0.001	16	31
T2 Deep	Q3-23	28.28	7.60	1,300	110	6.70	<0.10	<0.0040	<0.01	<0.001	0.0026	0.00016	0.0063	0.086	0.0013	<0.001	0.0073	0.00014	<0.001	0.023	42	53
T2 Deep	Q4-23	28.27	7.70	1,000	77	6.60	<0.10	0.0075	<0.01	<0.001	0.0029	<0.0001	0.0072	<0.001	<0.001	<0.001	0.0033	0.0014	0.001	<0.001	15	29
T2 Deep	Q1-24	28.55	7.60	1,200	89	7.20	<0.10	<0.0040	<0.01	<0.001	0.0022	<0.0001	0.0064	<0.001	<0.001	<0.001	0.0029	<0.00005	<0.001	<0.001	18	34

T2 Deep	Q2-24	25.44	7.70	1,100	73	6.50	<0.10	<0.0040	<0.01	<0.001	0.0021	<0.0001	0.0064	<0.001	0.0017	<0.001	0.0042	<0.00005	<0.001	<0.001	16	32
T2 Deep	Q3-24	28.64	7.80	1,100	79	7.80	<0.10	<0.0040	<0.01	<0.001	0.0023	<0.0001	0.0065	<0.001	0.0011	<0.001	0.0088	0.00084	0.001	0.0011	17	33
T2 Deep	Q4-24	29	No lab sample																			
T2 Deep	Q1-25	29.8	7.60	1,100	84	7.70	<0.10	<0.0040	0.021	<0.001	0.0021	<0.0001	0.0062	0.012	<0.001	<0.001	0.0089	0.00059	<0.001	0.0029	21	39
T2 Deep	Q2-25	28.85	No lab Sample																			
T2 Deep	Q3-25	30.28	7.90	1,000	68	7.50	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.0034	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	10	17
T2 Deep	Q4-25	31.23	8.20	1,100	65	7.00	<0.50	<0.0040	<0.01	<0.001	0.004	<0.0001	0.0053	<0.001	<0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	18	37
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T3 Deep	Q1-18	23.46	6.80	16,000	2,100	25.30	<10.0	0.004	<0.01	N/A	0.002	0.0012	<0.001	N/A	0.053	<0.001	0.008	<0.00005	0.003	0.22	810	440
T3 Deep	Q2-18	23.96	7.00	15,000	1,800	25.30	<10.0	0.006	<0.01	N/A	0.002	0.001	<0.001	N/A	0.042	<0.001	0.004	0.00009	0.006	0.18	800	430
T3 Deep	Q3-18	22.93	6.40	20,000	2,000	50.60	<10.0	0.009	<0.01	N/A	0.003	0.0058	<0.001	N/A	0.17	<0.001	0.015	<0.00005	0.002	0.79	1200	480
T3 Deep	Q4-18	23.42	6.40	20,000	2,200	39.10	<10.0	0.006	<0.01	N/A	0.002	0.004	<0.001	N/A	0.11	<0.001	0.008	0.00046	0.002	0.51	1100	530
T3 Deep	Q1-19	23.97	6.70	19,000	1,500	43.70	<10.0	<0.004	<0.01	<0.001	0.002	0.0023	<0.001	1.9	0.054	<0.001	0.013	0.00036	0.002	0.29	1100	540
T3 Deep	Q2-19	24.17	6.60	20,000	2,300	57.50	<10.0	0.022	<0.01	<0.001	0.002	0.0019	<0.001	2	0.048	<0.001	0.015	0.00006	0.003	0.29	1200	610
T3 Deep	Q1-21	25.91	6.70	17,000	2,000	25.30	<2.00	0.005	0.01	<0.001	0.001	0.0011	<0.001	2.1	0.034	<0.001	0.007	0.00041	0.003	0.16	740	540
T3 Deep	Q2-21	Dry	No lab sample																			
T3 Deep	Q3-21	Dry	No lab sample																			
T3 Deep	Q4-21	Dry	No lab sample																			
T3 Deep	Q1-22	Dry	No lab sample																			
T3 Deep	Q2-22	Dry	No lab sample																			
T3 Deep	Q3-22	Dry	No lab sample																			
T3 Deep	Q1-23	26.9	6.90	13,000	1,400	33.00	<1.00	<0.0040	<0.01	<0.001	<0.001	0.00056	<0.001	1.5	0.019	<0.001	0.022	0.00077	0.0043	0.073	450	360
T3 Deep	Q2-23	27	6.90	13,000	1,500	34.00	<10.00	0.0085	<0.01	<0.001	<0.001	0.00071	<0.001	1.8	0.023	<0.001	0.012	<0.00005	0.0043	0.086	600	420
T3 Deep	Q3-23	27	No lab sample																			
T3 Deep	Q4-23	Dry	No lab sample																			
T3 Deep	Q1-24	27.5	No lab sample																			
T3 Deep	Q2-24	27.3	No lab sample																			
T3 Deep	Q3-24	27.25	7.30	13,000	1,500	31.00	<1.00	<0.0040	<0.01	<0.001	<0.001	0.00054	<0.001	1.5	0.019	<0.001	0.013	0.000099	0.0047	0.068	530	370
T3 Deep	Q4-24	27.50	No lab sample																			
T3 Deep	Q1-25	27.6	No lab sample																			
T3 Deep	Q2-25	27.5	7.00	11,000	1,400	32.00	<0.10	<0.004	0.086	<0.001	0.0012	0.0005	0.001	1.4	0.034	0.001	0.047	<0.0005	0.0038	0.063	550	360
T3 Deep	Q3-25	28.61	7.30	7,100	1,000	25.00	<0.01	<0.004	<0.01	<0.001	0.001	0.00026	<0.001	0.87	0.01	<0.001	0.0026	<0.0005	0.0028	0.036	360	210
T3 Deep	Q4-25	27.52	7.80	11,000	1,300	33.00	<1.0	<0.004	<0.01	<0.001	0.0012	0.00043	<0.001	1.5	0.015	<0.001	0.0085	<0.0005	0.0036	0.063	600	390
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T4 Deep	Q1-18	21.63	7.40	1,400	140	16.33	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.013	N/A	<0.001	<0.001	0.003	<0.00005	0.002	0.002	29	47
T4 Deep	Q2-18	19.9	7.50	1,400	130	16.56	<0.50	<0.004	0.01	N/A	0.001	0.0001	0.012	N/A	0.002	<0.001	0.016	<0.00005	0.002	0.003	29	46
T4 Deep	Q3-18	21.95	7.40	1,400	130	16.33	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.012	N/A	<0.001	<0.001	0.005	<0.00005	0.002	0.002	28	46
T4 Deep	Q4-18	21.89	7.30	1,400	130	16.10	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.013	N/A	<0.001	<0.001	0.003	<0.00005	0.002	0.001	28	45
T4 Deep	Q1-19	22.22	7.20	1,400	110	15.41	<0.50	<0.004	<0.01	<0.001	0.002	<0.0001	0.012	0.014	0.002	<0.001	0.005	<0.00005	0.002	0.001	28	46
T4 Deep	Q2-19	23.33	7.20	1,400	130	16.10	<0.50	<0.004	<0.01	<0.001	0.001	<0.0001	0.012	0.012	<0.001	<0.001	0.003	<0.00005	0.002	<0.001	29	54
T4 Deep	Q3-20	23.16	7.30	1,400	120	13.57	<0.50	<0.004	<0.01	<0.001	0.002	<0.0001	0.012	0.011	<0.001	<0.001	0.003	<0.00005	0.002	<0.001	26	43
T4 Deep	Q1-21	23.31	7.20	1,400	130	13.57	0.86	<0.004	<0.01	<0.001	0.002	<0.0001	<0.001	0.012	0.001	<0.001	0.003	<0.00005	0.002	0.002	24	39
T4 Deep	Q2-21	23.16	7.20	1,400	130	9.89	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.006	0.01	<0.001	<0.001	0.009	<0.00005	0.002	<0.001	25	42
T4 Deep	Q3-21	23.72	7.30	1,500	N/A	3.22	<0.005	<0.004	<0.01	<0.001	0.001	<0.0001	0.012	0.01	0.002	<0.001	0.014	<0.00005	0.002	0.001	24	40
T4 Deep	Q4-21	24.1	7.40	1,200	130	16.00	<0.005	<0.004	<0.01	<0.001	0.001	<0.0001	0.012	0.009	0.001	<0.001	0.01	<0.00005	0.002	0.001	25	41
T4 Deep	Q1-22	24.4	No lab sample																			
T4 Deep	Q2-22	24.2	7.30	1,300	140	13.00	<0.005	<0.004	<0.01	<0.001	0.001	<0.0001	0.014	0.009	0.001	<0.001	0.06	<0.00005	0.002	0.001	25	40
T4 Deep	Q3-22	24.46	7.30	1,300	120	16.00	<0.50	<0.004	<0.01	<0.001	0.0013	<0.0001	0.015	0.0091	<0.001	<0.001	0.011	<0.00005	0.0019	0.0012	24	40
T4 Deep	Q1-23	12.27	7.30	1,500	150	13.00	0.11	<0.0040	<0.01	<0.001	0.0019	<0.0001	0.0072	0.0084	0.0057	<0.001	0.013	<0.00005	0.0022	0.0013	16	28

T4 Deep	Q2-23	24.75	No lab sample																			
T4 Deep	Q3-23	24.86	No lab sample																			
T4 Deep	Q4-23	24.93	7.60	1,400	120	16.00	<0.20	<0.0040	<0.01	<0.001	0.0015	<0.0001	0.015	0.011	<0.001	<0.001	0.0034	<0.00005	0.002	0.001	22	37
T4 Deep	Q1-24	25.2	7.40	1,300	130	16.00	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	0.011	0.0084	<0.001	<0.001	0.0057	<0.00005	0.0017	<0.001	25	39
T4 Deep	Q2-24	25.2	7.60	1,400	130	15.00	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.012	0.021	<0.001	<0.001	0.0084	<0.00005	0.0018	0.0011	25	43
T4 Deep	Q3-24	25.3	7.60	1,300	140	15.00	<0.10	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.011	0.02	<0.001	<0.001	0.0073	<0.00005	0.002	0.00014	29	44
T4 Deep	Q4-24	25.4	7.70	1,700	130	13.00	<0.10	<0.0040	<0.01	<0.001	0.0014	<0.0001	0.0098	0.017	<0.001	<0.001	0.007	<0.00005	0.0019	0.0021	27	44
T4 Deep	Q1-25	25.5	7.40	1,400	130	16.00	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.011	0.0068	<0.001	<0.001	0.0083	<0.0005	0.0018	0.0015	29	45
T4 Deep	Q2-25	27.32	7.40	1,300	130	15.00	<0.10	<0.0040	<0.01	<0.001	0.0014	<0.0001	0.012	0.018	<0.001	<0.001	0.0052	<0.0005	0.0019	0.0014	28	43
T4 Deep	Q3-25	25.53	7.50	1,200	120	13.00	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0057	0.005	<0.001	<0.001	<0.001	<0.0005	0.0011	<0.001	12	17
T4 Deep	Q4-25	25.63	8.20	1,500	120	12.00	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.012	0.011	<0.001	<0.001	0.0038	<0.0005	0.0017	0.001	27	46
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T4-S	Q1-23	Dry	No lab sample																			
T4-S	Q2-23	Dry	No lab sample																			
T4-S	Q3-23	11.57	No lab sample																			
T4-S	Q4-23	11.69	No lab sample																			
T4-S	Q1-24	11.85	No lab sample																			
T4-S	Q2-24	11.80	No lab sample																			
T4-S	Q3-24	11.75	No lab sample																			
T4-S	Q4-24	11.50	No lab sample																			
T4-S	Q1-25	11.87	No lab sample																			
T4-S	Q2-25	9.93	No lab sample																			
T4-S	Q3-25	10.91	No lab sample																			
T4-S	Q4-25	11.05	No lab sample																			
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T5 Deep	Q1-18	26.94	7.50	780	69	2.76	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.001	N/A	0.001	<0.001	0.013	<0.00005	<0.001	0.002	11	19
T5 Deep	Q2-18	26.89	7.50	900	68	<0.5	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	23
T5 Deep	Q3-18	26.85	7.40	900	3	<0.5	<0.50	<0.004	<0.01	N/A	0.005	<0.0001	0.001	N/A	<0.001	<0.001	<0.001	<0.00005	<0.001	0.001	18	22
T5 Deep	Q4-18	27.76	7.40	840	66	2.76	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.001	N/A	0.001	<0.001	0.002	<0.00005	<0.001	<0.001	12	22
T5 Deep	Q1-19	26.66	7.40	900	55	3.22	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	12	23
T5 Deep	Q2-19	26.64	7.40	910	71	2.99	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	12	25
T5 Deep	Q3-19	26.53	7.40	840	66	3.22	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.009	<0.00005	<0.001	<0.001	11	22
T5 Deep	Q1-20	26.61	7.50	810	62	2.99	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.007	<0.00005	<0.001	<0.001	10	21
T5 Deep	Q2-20	27.47	7.60	820	68	3.68	<0.50	<0.004	0.03	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.005	<0.00005	<0.001	<0.001	11	22
T5 Deep	Q3-20	26.76	7.50	850	63	2.53	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	11	21
T5 Deep	Q1-21	27.06	7.40	830	68	3.22	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	10	20
T5 Deep	Q2-21	27.19	7.50	830	64	2.76	<0.10	<0.004	0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.025	<0.00005	<0.001	0.001	9.9	21
T5 Deep	Q3-21	27.36	7.40	750	N/A	3.20	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	<0.001	<0.001	<0.001	0.005	<0.00005	0.002	<0.001	9.9	20
T5 Deep	Q4-21	22.1	No lab sample																			
T5 Deep	Q1-22	27.74	7.60	810	67	3.30	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.003	<0.001	<0.001	<0.001	0.005	<0.00005	<0.001	<0.001	11	20
T5 Deep	Q2-22	27.82	7.40	810	71	3.10	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.003	<0.001	<0.001	<0.001	0.005	<0.00005	<0.001	<0.001	9.5	19
T5 Deep	Q3-22	27.82	7.50	800	67	3.20	<0.10	0.0056	<0.01	<0.001	<0.001	<0.0001	0.003	0.0018	0.0025	<0.001	0.0098	<0.00005	<0.001	<0.001	11	19
T5 Deep	Q1-23	27.98	7.90	770	53	2.90	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0016	<0.001	0.0012	<0.001	0.002	<0.00005	<0.001	<0.001	4.7	8.8
T5 Deep	Q2-23	28.13	7.50	820	68	3.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0015	0.0011	0.0013	<0.001	0.0027	<0.00005	<0.001	<0.001	9.5	21
T5 Deep	Q3-23	28.24	7.40	800	69	6.20	<0.10	<0.0040	<0.01	0.001	0.001	<0.0001	0.003	0.0017	<0.001	<0.001	0.0018	<0.00005	0.0011	<0.001	12	24
T5 Deep	Q4-23	28.26	7.90	790	65	4.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0035	<0.001	0.0011	<0.001	0.0053	<0.00005	0.0011	0.001	9.2	18
T5 Deep	Q1-24	28.49	7.60	800	68	3.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0027	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	20
T5 Deep	Q2-24	28.4	7.80	800	60	3.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.003	<0.001	<0.001	<0.001	0.0033	<0.00005	<0.001	<0.001	9.7	20
T5 Deep	Q3-24	28.5	7.80	740	64	5.10	<0.10	<0.0040	0.026	<0.001	<0.001	<0.0001	0.003	0.0013	<0.001	<0.001	0.0025	<0.00005	0.001	<0.001	11	22

T5 Deep	Q4-24	28.72	7.90	880	60	7.60	<0.10	<0.0040	0.024	<0.001	0.0013	<0.0001	0.0026	0.0018	<0.001	<0.001	0.023	<0.00005	<0.001	0.003	12	20
T5 Deep	Q1-25	28.42	7.90	900	70	4.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0027	0.0058	0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	12	24
T5 Deep	Q2-25	25.45	7.70	690	24	1.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0011	0.0013	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	5.5	8.6
T5 Deep	Q3-25	27.45	No lab sample																			
T5 Deep	Q4-25	25.45	No lab sample																			
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T6 Deep	Q1-18	27.72	7.90	1,000	90	4.14	<0.10	<0.004	0.04	N/A	0.007	<0.0001	0.005	N/A	<0.001	<0.001	0.014	<0.00005	<0.001	<0.001	15	31
T6 Deep	Q2-18	27.6	8.00	1,000	79	3.91	<0.10	<0.004	0.04	N/A	0.006	<0.0001	0.004	N/A	<0.001	<0.001	0.014	<0.00005	<0.001	<0.001	16	32
T6 Deep	Q3-18	27.52	8.00	1,100	82	3.91	<0.10	<0.004	0.04	N/A	0.006	<0.0001	0.004	N/A	<0.001	<0.001	0.015	<0.00005	<0.001	<0.001	16	33
T6 Deep	Q4-18	27.41	8.00	1,000	79	3.91	<0.10	<0.004	0.04	N/A	0.007	<0.0001	0.004	N/A	<0.001	<0.001	0.017	<0.00005	<0.001	<0.001	17	34
T6 Deep	Q1-19	27.26	8.00	1,100	68	3.68	<0.10	<0.004	0.04	<0.001	0.006	<0.0001	0.004	0.007	0.001	<0.001	0.016	<0.00005	<0.001	<0.001	17	34
T6 Deep	Q2-19	27.23	8.00	1,100	85	3.91	<0.10	<0.004	0.04	<0.001	0.006	<0.0001	0.004	0.007	<0.001	<0.001	0.015	<0.00005	<0.001	<0.001	18	38
T6 Deep	Q3-19	27.03	8.00	1,100	80	3.91	<0.10	<0.004	0.04	<0.001	0.006	<0.0001	0.004	0.008	0.001	<0.001	0.017	<0.00005	<0.001	<0.001	18	36
T6 Deep	Q4-19	27.07	8.10	1,100	76	3.45	<0.10	<0.004	0.03	<0.001	0.006	<0.0001	0.004	0.007	0.002	<0.001	0.017	<0.00005	<0.001	<0.001	17	34
T6 Deep	Q1-20	27.28	8.10	1,800	69	3.45	<0.10	<0.004	0.05	<0.001	0.006	<0.0001	0.004	0.008	0.002	<0.001	0.017	<0.00005	<0.001	<0.001	17	34
T6 Deep	Q2-20	27.47	8.10	2,000	84	3.91	<0.10	<0.004	0.04	<0.001	0.006	<0.0001	0.004	0.008	0.001	<0.001	0.016	<0.00005	<0.001	<0.001	18	34
T6 Deep	Q3-20	27.66	8.20	1,100	79	3.22	<0.10	<0.004	0.03	<0.001	0.006	<0.0001	0.004	0.007	0.002	<0.001	0.017	<0.00005	<0.001	<0.001	18	35
T6 Deep	Q1-21	27.94	7.00	6,500	550	8.74	<0.10	<0.004	0.02	<0.001	0.005	<0.0001	0.011	0.085	0.005	<0.001	0.019	0.00022	<0.001	<0.001	110	160
T6 Deep	Q2-21	28.19	8.20	1,100	84	3.68	<0.10	<0.004	0.03	<0.001	0.007	<0.0001	0.004	0.009	0.002	<0.001	0.018	<0.00005	<0.001	<0.001	18	37
T6 Deep	Q3-21	28.26	8.20	1,100	N/A	4.10	<0.10	<0.004	0.03	<0.001	0.007	<0.0001	0.004	0.009	0.003	<0.001	0.018	<0.00005	<0.001	<0.001	18	34
T6 Deep	Q4-21	28.11	8.20	1,100	91	4.30	<0.10	<0.004	0.03	<0.001	0.007	<0.0001	0.004	0.009	0.002	<0.001	0.018	<0.00005	<0.001	<0.001	18	35
T6 Deep	Q1-22	28.57	No lab sample																			
T6 Deep	Q2-22	29	7.40	1,100	100	3.60	<0.10	<0.004	<0.01	<0.001	0.005	<0.0001	0.007	0.0015	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	23	40
T6 Deep	Q3-22	26.71	7.40	950	87	3.70	<0.10	<0.004	<0.01	<0.001	0.0053	<0.0001	0.006	0.013	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	18	37
T6 Deep	Q1-23	28.64	7.70	860	67	3.80	<0.10	<0.0040	<0.01	<0.001	0.0035	<0.0001	0.0024	0.0032	<0.001	<0.001	0.0019	<0.00005	<0.001	<0.001	8.5	16
T6 Deep	Q2-23	29.02	7.60	830	63	3.80	<0.10	<0.0040	<0.01	<0.001	0.0062	<0.0001	0.0035	0.0056	0.0033	<0.001	0.0034	<0.00005	<0.001	<0.001	12	27
T6 Deep	Q3-23	29.07	7.60	790	65	4.30	<0.10	<0.0040	<0.01	<0.001	0.0062	<0.0001	0.0033	0.0059	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	14	31
T6 Deep	Q4-23	29.11	7.80	780	62	5.00	<0.10	0.0053	<0.01	<0.001	0.0069	<0.0001	0.0037	0.0058	0.0041	<0.001	0.011	<0.00005	<0.001	<0.001	12	24
T6 Deep	Q1-24	29.33	7.70	730	64	3.30	<0.10	<0.0040	<0.01	<0.001	0.0064	<0.0001	0.003	0.0049	<0.001	<0.001	0.0025	<0.00005	<0.001	<0.001	12	26
T6 Deep	Q2-24	29.29	7.80	740	56	3.80	<0.10	<0.0040	<0.01	<0.001	0.0064	<0.0001	0.0031	0.0039	<0.001	<0.001	0.0031	<0.00005	<0.001	<0.001	11	25
T6 Deep	Q3-24	29.43	7.90	810	61	4.30	<0.10	<0.0040	<0.01	<0.001	0.0063	<0.0001	0.0033	0.0045	<0.001	<0.001	0.0023	<0.00005	0.001	<0.001	12	27
T6 Deep	Q4-24	29.59	7.90	900	64	4.10	<0.10	<0.0040	<0.01	<0.001	0.0062	<0.0001	0.003	0.0039	<0.001	<0.001	<0.001	<0.00005	0.001	<0.001	14	25
T6 Deep	Q1-25	29.45	7.80	800	60	4.30	<0.10	<0.0040	<0.01	<0.001	0.0062	<0.0001	0.003	0.004	<0.001	<0.001	0.0023	<0.0005	<0.001	<0.001	12	27
T6 Deep	Q2-25	32.52	7.60	830	45	3.50	<0.10	<0.0040	<0.01	<0.001	0.0048	<0.0001	0.0025	0.0032	<0.001	<0.001	0.0026	<0.0005	<0.001	<0.001	8.8	20
T6 Deep	Q3-25	30.06	7.90	400	31	2.50	<0.10	<0.0040	<0.01	<0.001	0.0039	<0.0001	0.0021	0.002	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	6.5	13
T6 Deep	Q4-25	30.1	7.83	830	56	4.60	<0.10	<0.0040	<0.01	<0.001	0.007	<0.0001	0.0035	0.0036	<0.001	<0.001	0.0016	<0.0005	<0.001	<0.001	12	28
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T8 Deep	Q1-18	36.22	8.00	790	36	5.75	<0.10	<0.004	<0.01	N/A	0.007	<0.0001	0.003	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	3.6	13
T8 Deep	Q2-18	35.81	8.10	760	31	5.52	<0.10	<0.004	<0.01	N/A	0.006	<0.0001	0.003	N/A	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	3.6	14
T8 Deep	Q3-18	35.57	8.00	760	32	5.75	<0.10	<0.004	<0.01	N/A	0.007	<0.0001	0.003	N/A	0.001	<0.001	0.003	<0.00005	<0.001	<0.001	3.7	14
T8 Deep	Q4-18	35.08	8.00	750	29	5.75	<0.10	<0.004	<0.01	N/A	0.007	<0.0001	0.004	N/A	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	3.5	14
T8 Deep	Q1-19	34.5	8.00	810	20	6.21	<0.10	<0.004	<0.01	<0.001	0.008	<0.0001	0.004	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	3.4	13
T8 Deep	Q2-19	34.18	7.90	780	32	6.90	<0.10	<0.004	<0.01	<0.001	0.008	<0.0001	0.005	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	3.6	14
T8 Deep	Q3-19	33.72	7.90	790	30	6.90	<0.10	<0.004	<0.01	<0.001	0.009	<0.0001	0.006	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	3.2	13
T8 Deep	Q4-19	33.57	8.00	800	28	5.98	<0.10	<0.004	<0.01	<0.001	0.009	<0.0001	0.005	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	3.1	13
T8 Deep	Q1-20	33.43	8.00	730	24	5.75	<0.10	<0.004	<0.01	<0.001	0.009	<0.0001	0.006	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	3	13
T8 Deep	Q2-20	33.4	8.00	750	31	6.67	<0.10	<0.004	<0.01	<0.001	0.009	<0.0001	0.006	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	3.1	13
T8 Deep	Q3-20	33.42	8.00	810	29	5.52	<0.10	<0.004	<0.01	<0.001	0.009	<0.0001	0.006	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	3.1	13
T8 Deep	Q4-20	Not monitored																				

T8 Deep	Q1-21	33.67	7.90	750	32	7.36	<0.10	<0.004	<0.01	<0.001	0.009	<0.0001	0.006	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	3	12
T8 Deep	Q2-21	33.86	7.90	1,200	30	6.67	<0.10	<0.004	<0.01	<0.001	0.01	<0.0001	0.007	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	2.9	13
T8 Deep	Q3-21	34.03	7.90	760	N/A	6.60	<0.10	<0.004	<0.01	<0.001	0.01	<0.0001	0.007	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	2.8	12
T8 Deep	Q4-21	34.9	8.00	690	32	7.00	<0.10	<0.004	<0.01	<0.001	0.01	<0.0001	0.008	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	2.7	12
T8 Deep	Q1-22	34.28	8.00	770	32	6.90	<0.10	<0.004	<0.01	<0.001	0.01	<0.0001	0.008	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	3.1	12
T8 Deep	Q2-22	34.4	7.80	760	34	6.50	<0.10	<0.004	<0.01	<0.001	0.01	<0.0001	0.009	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	2.8	12
T8 Deep	Q3-22	34.38	7.90	770	30	6.60	<0.10	<0.004	0.017	<0.001	0.01	<0.0001	0.0096	<0.001	<0.05	<0.001	0.0088	<0.00005	<0.001	<0.001	2.8	13
T8 Deep	Q4-22	Not monitored																				
T8 Deep	Q1-23	34.65	8.00	660	26	5.70	<0.10	<0.0040	<0.01	<0.001	0.0049	<0.0001	0.0044	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	1.4	5.9
T8 Deep	Q2-23	34.76	7.80	840	47	7.10	<0.10	<0.0040	<0.01	<0.001	0.0064	<0.0001	0.0027	0.0012	0.0021	<0.001	0.0031	<0.00005	<0.001	<0.001	3.9	18
T8 Deep	Q3-23	34.89	7.90	760	33	7.30	<0.10	<0.0040	<0.01	<0.001	0.01	<0.0001	0.0088	0.0013	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	4.4	15
T8 Deep	Q4-23	34.97	8.20	740	32	6.70	<0.10	<0.0040	<0.01	<0.001	0.011	<0.0001	0.011	<0.001	<0.001	<0.001	0.0022	<0.00005	<0.001	<0.001	3.1	11
T8 Deep	Q1-24	35.07	7.30	530	42	7.90	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	0.021	0.0025	0.0013	<0.001	0.015	<0.00005	<0.001	<0.001	12	18
T8 Deep	Q2-24	35.24	7.80	840	29	6.40	<0.10	<0.0040	<0.01	<0.001	0.0097	<0.0001	0.009	<0.001	<0.001	0.0027	0.001	<0.00005	<0.001	<0.001	3.3	13
T8 Deep	Q3-24	35.33	7.50	530	40	7.30	<0.10	<0.0040	<0.01	<0.001	0.0014	<0.0001	0.021	0.0042	0.0022	<0.001	0.016	<0.00005	<0.001	0.0031	13	18
T8 Deep	Q4-24	32.35	8.20	870	31	6.30	<0.10	<0.0040	<0.01	<0.001	0.0098	<0.0001	0.0091	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	2.9	13
T8 Deep	Q1-25	35.6	8.10	850	35	7.00	<0.10	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.012	<0.001	<0.001	<0.001	0.0029	<0.0005	<0.001	<0.001	3.2	14
T8 Deep	Q2-25	33.6	8.00	770	23	5.70	<0.10	<0.0040	<0.01	<0.001	0.0084	<0.0001	0.0078	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	2.6	11
T8 Deep	Q3-25	37.77	8.30	600	25	6.20	<0.10	<0.0040	<0.01	<0.001	0.0046	<0.0001	0.0045	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	1.5	5.3
T8 Deep	Q4-25	36.92	8.50	790	28	6.60	<0.10	<0.0040	<0.01	<0.001	0.0099	<0.0001	0.0094	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	3.2	14
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T9 Deep	Q1-18	30.76	7.00	460	46	4.60	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	5.5	16
T9 Deep	Q2-18	30.67	7.30	460	37	5.29	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	0.014	N/A	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	6.1	16
T9 Deep	Q3-18	30.65	7.00	470	37	5.52	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.016	N/A	<0.001	<0.001	0.005	<0.00005	<0.001	<0.001	6.3	15
T9 Deep	Q4-18	30.64	7.00	430	35	5.29	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.02	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	6.7	16
T9 Deep	Q1-19	30.92	7.00	490	24	5.29	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.017	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	7.1	16
T9 Deep	Q2-19	31.22	7.00	460	38	5.98	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.021	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	8.3	17
T9 Deep	Q3-19	31.57	7.00	460	36	5.75	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.023	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	0.001	8.6	16
T9 Deep	Q4-19	31.75	7.10	450	23	4.14	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.021	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	8.9	16
T9 Deep	Q1-20	31.96	7.10	450	25	4.37	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.022	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	9.5	16
T9 Deep	Q2-20	32.14	7.10	450	38	6.21	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.022	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	10	16
T9 Deep	Q3-20	32.27	7.20	470	34	5.98	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.022	<0.001	0.001	<0.001	0.008	<0.00005	<0.001	<0.001	11	17
T9 Deep	Q1-21	32.49	7.10	440	39	7.13	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.02	<0.001	<0.001	<0.001	0.005	<0.00005	<0.001	<0.001	10	16
T9 Deep	Q2-21	32.71	7.10	510	36	6.67	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.022	<0.001	<0.001	<0.001	0.01	<0.00005	<0.001	<0.001	9.5	16
T9 Deep	Q3-21	32.91	7.20	470	N/A	6.10	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.021	<0.001	0.004	<0.001	0.002	<0.00005	<0.001	<0.001	10	16
T9 Deep	Q4-21	33.9	7.30	390	40	6.60	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.021	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	10	16
T9 Deep	Q1-22	33.3	7.20	480	38	6.60	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.023	<0.001	<0.001	<0.001	0.007	<0.00005	<0.001	0.001	11	16
T9 Deep	Q2-22	34.42	7.10	440	42	6.40	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.023	<0.001	<0.001	<0.001	0.0099	<0.00005	<0.001	0.001	11	16
T9 Deep	Q3-22	36.3	7.30	470	38	7.00	<0.10	<0.004	<0.01	<0.001	0.0014	<0.0001	0.023	<0.001	0.0033	<0.001	0.02	<0.00005	<0.001	0.0014	12	17
T9 Deep	Q1-23	33.66	7.40	510	29	5.50	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.021	<0.001	<0.001	<0.001	0.0036	<0.00005	<0.001	0.0014	10	17
T9 Deep	Q2-23	33.81	7.30	490	37	7.00	<0.10	0.0085	<0.01	<0.001	0.0013	<0.0001	0.022	<0.001	0.0032	<0.001	0.015	<0.00005	<0.001	0.0017	11	17
T9 Deep	Q3-23	33.79	7.20	470	39	7.60	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	0.022	<0.001	0.0012	<0.001	0.013	<0.00005	<0.001	0.0014	12	20
T9 Deep	Q4-23	33.85	7.50	490	39	8.10	<0.10	0.01	<0.01	<0.001	0.0015	<0.0001	0.025	0.0017	0.0021	<0.001	0.026	<0.00005	<0.001	0.0024	11	16
T9 Deep	Q1-24	34.4	7.40	570	40	9.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	0.0023	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	12	21
T9 Deep	Q2-24	35.94	7.50	510	37	7.10	<0.10	<0.0040	<0.01	<0.001	0.0014	<0.0001	0.02	0.0011	0.0027	<0.001	0.017	<0.00005	<0.001	0.0017	12	18
T9 Deep	Q3-24	34	7.60	570	37	8.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	0.0021	0.0015	<0.001	0.0058	<0.00005	<0.001	0.0015	11	20
T9 Deep	Q4-24	33.9	7.60	530	38	7.40	<0.10	<0.0040	<0.01	<0.001	0.0014	<0.0001	0.021	0.0012	0.0014	<0.001	0.016	<0.00005	<0.001	0.0017	12	18
T9 Deep	Q1-25	33.7	7.30	510	40	7.80	<0.10	<0.0040	<0.01	<0.001	0.0015	<0.0001	0.021	0.0012	0.001	<0.001	0.016	<0.0005	<0.001	0.0015	13	19
T9 Deep	Q2-25	34.07	7.20	500	30	6.70	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.017	0.0011	0.0011	<0.001	0.018	<0.0005	<0.001	0.0015	10	15
T9 Deep	Q3-25	29.28	7.50	370	28	7.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	0.0011	0.0011	<0.001	0.0017	<0.0005	<0.001	0.001	7.4	9.4
T9 Deep	Q4-25	30.15	7.90	530	35	8.80	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	0.021	<0.001	<0.001	<0.001	0.093	<0.0005	<0.001	0.0015	13	21

Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T10 Deep	Q1-18	27.48	7.30	590	43	8.97	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.01	N/A	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	12	21
T10 Deep	Q2-18	27.34	7.50	580	37	8.74	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	12	21
T10 Deep	Q3-18	27.28	7.30	590	38	8.97	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.008	N/A	0.001	<0.001	0.008	<0.00005	<0.001	0.001	12	20
T10 Deep	Q4-18	27.27	7.30	560	36	8.74	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	12	21
T10 Deep	Q1-19	27.57	7.20	600	24	8.28	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q2-19	28.29	7.20	560	39	8.97	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.007	<0.001	0.001	<0.001	0.004	<0.00005	<0.001	<0.001	12	23
T10 Deep	Q3-19	28.2	7.10	570	36	8.05	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.007	<0.001	0.001	<0.001	0.004	<0.00005	<0.001	<0.001	11	22
T10 Deep	Q4-19	28.3	7.30	580	24	5.98	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q1-20	28.5	7.20	510	32	7.82	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	10	21
T10 Deep	Q2-20	28.78	7.30	550	37	8.51	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.008	<0.001	0.001	<0.001	0.005	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q3-20	28.92	7.30	570	34	6.90	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q1-21	29.18	7.30	550	39	9.43	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.007	<0.001	0.004	<0.001	0.016	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q2-21	29.34	7.20	550	36	8.74	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.006	<0.00005	<0.001	<0.001	11	20
T10 Deep	Q3-21	29.58	7.20	510	N/A	8.10	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	19
T10 Deep	Q4-21	29.74	7.30	480	39	8.60	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	20
T10 Deep	Q1-22	29.92	7.30	560	38	8.40	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.011	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	20
T10 Deep	Q2-22	30.09	7.10	560	41	8.00	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.011	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	11	19
T10 Deep	Q3-22	30.36	7.20	550	37	8.60	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.012	<0.001	<0.001	<0.001	0.0011	<0.00005	<0.001	<0.001	11	20
T10 Deep	Q1-23	30.35	7.40	570	40	9.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0074	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	6.8	14
T10 Deep	Q2-23	30.44	7.30	570	37	8.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	0.0017	0.004	<0.001	0.0058	<0.00005	<0.001	0.001	11	21
T10 Deep	Q3-23	30.5	7.30	540	38	8.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	<0.001	<0.001	<0.001	0.0028	<0.00005	<0.001	<0.001	12	23
T10 Deep	Q4-23	30.58	7.60	560	38	8.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	<0.001	<0.001	<0.001	0.0037	<0.00005	<0.001	<0.001	10	19
T10 Deep	Q1-24	30.65	7.60	2,200	58	8.20	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	<0.001	0.0025	<0.001	<0.001	0.0033	0.00016	<0.001	0.0027	14	33
T10 Deep	Q2-24	30.7	7.60	530	35	8.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.0034	<0.00005	<0.001	<0.001	11	20
T10 Deep	Q3-24	29.74	7.60	730	48	7.40	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	<0.001	0.013	<0.001	<0.001	0.0029	<0.00005	<0.001	0.0021	11	30
T10 Deep	Q4-24	30.86	7.80	700	37	8.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0099	<0.001	<0.001	<0.001	0.0035	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q1-25	31.67	7.40	570	37	8.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0096	<0.001	0.0013	<0.001	0.0014	0.0027	<0.001	0.0011	11	21
T10 Deep	Q2-25	30.74	7.30	590	33	8.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0095	<0.001	<0.001	<0.001	0.0072	<0.00005	<0.001	<0.001	11	21
T10 Deep	Q3-25	32.1	8.00	600	23	4.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0068	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	7.6	14
T10 Deep	Q4-25	32.23	8.00	550	33	8.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.0023	<0.00005	<0.001	<0.001	11	22
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T11 Deep	Q1-18	17.22	7.50	610	48	7.82	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	<0.001	N/A	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	8.3	24
T11 Deep	Q2-18	16.93	7.70	660	42	7.59	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	<0.001	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	9.2	27
T11 Deep	Q3-18	16.46	7.60	620	43	7.59	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	<0.001	N/A	0.001	<0.001	0.007	<0.00005	<0.001	<0.001	9.5	28
T11 Deep	Q4-18	16.05	7.50	730	43	7.59	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	11	32
T11 Deep	Q1-19	16.38	7.50	820	32	7.13	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.028	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	14	39
T11 Deep	Q2-19	17.02	7.40	840	49	7.36	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.033	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	15	49
T11 Deep	Q3-19	17.18	7.60	870	46	6.90	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.041	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	15	45
T11 Deep	Q4-19	17.9	7.60	880	28	4.37	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.034	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	15	43
T11 Deep	Q1-20	19.38	7.70	860	30	4.60	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.036	<0.001	<0.001	0.003	<0.00005	<0.001	<0.001	15	43
T11 Deep	Q2-20	20.4	7.70	900	48	6.90	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.038	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	16	44
T11 Deep	Q3-20	20.84	7.80	950	45	5.52	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.036	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	16	46
T11 Deep	Q1-21	21.92	7.40	920	55	7.82	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.039	<0.001	<0.001	0.002	<0.00005	<0.001	<0.001	15	41
T11 Deep	Q2-21	22.5	7.40	920	53	7.13	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.037	<0.001	<0.001	0.008	<0.00005	<0.001	<0.001	15	44
T11 Deep	Q3-21	23.09	7.50	920	N/A	7.00	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.03	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	14	39
T11 Deep	Q4-21	23.42	7.60	790	57	7.60	<0.10	0.005	<0.01	<0.001	0.001	<0.0001	<0.001	0.027	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	13	39
T11 Deep	Q1-22	23.79	7.60	830	53	7.40	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.023	<0.001	<0.001	0.001	<0.00005	<0.001	<0.001	13	36
T11 Deep	Q2-22	24	7.40	810	83	7.20	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.021	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001		

T12-S	Q2-24	8.05	5.50	18,000	1,900	10.00	<2.00	<0.0040	0.12	<0.001	0.01	0.0045	0.0028	2.80	0.017	0.0023	0.11	<0.00005	0.0014	0.76	720	520
T12-S	Q3-24	7.50	No lab sample																			
T12-S	Q4-24	6.70	5.60	23,000	2,000	<10.00	<10.00	<0.0040	0.17	<0.002	0.013	0.0062	0.0023	3.40	0.015	0.02	0.13	0.00098	0.0032	1.00	970	720
T12-S	Q1-25	7.50	5.20	20,000	2,200	11.00	<2.0	0.0046	0.15	<0.002	0.0013	0.0065	0.0023	3.33	0.018	0.0045	0.14	0.0006	<0.002	1.00	940	710
T12-S	Q2-25	10.03	5.50	16,000	2,200	8.40	<2.0	<0.0040	0.28	<0.001	0.0011	0.0066	0.0027	3.40	0.015	0.0096	0.16	0.0028	0.0019	1.00	970	710
T12-S	Q3-25	Dry	5.10	17,000	1,900	18.00	<2.0	<0.0040	0.14	<0.002	0.0086	0.0052	0.0034	2.60	0.014	<0.002	0.10	0.00032	0.0024	0.81	730	530
T12-S	Q4-25	8.21	6.30	18,000	1,700	17.00	<2.0	0.0044	0.14	<0.001	0.01	0.0055	0.004	2.80	0.015	0.0025	0.11	0.00088	0.0014	0.91	840	610
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH unitis)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T13 Deep	Q3-22	21.58	7.60	1,100	120	5.52	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.011	N/A	<0.001	<0.001	0.001	<0.00005	0.001	<0.001	15	27
T13 Deep	Q2-18	21.91	7.80	1,100	100	5.06	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.009	N/A	<0.001	<0.001	0.006	<0.00005	0.002	<0.001	15	27
T13 Deep	Q3-18	21.96	7.70	1,100	110	5.29	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.009	N/A	<0.001	<0.001	0.003	<0.00005	0.001	<0.001	15	26
T13 Deep	Q4-18	21.94	7.60	1,100	100	5.29	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.01	N/A	<0.001	<0.001	0.002	<0.00005	0.002	<0.001	15	26
T13 Deep	Q1-19	22.2	7.60	1,200	95	5.06	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.001	<0.00005	0.001	<0.001	15	27
T13 Deep	Q2-19	22.32	7.50	1,100	110	5.29	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.001	<0.00005	0.002	<0.001	16	29
T13 Deep	Q4-19	22.56	7.60	1,200	93	4.37	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.019	<0.00005	0.001	<0.001	15	27
T13 Deep	Q1-20	22.73	7.60	1,100	92	4.83		<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.003	<0.00005	0.001	<0.001	14	26
T13 Deep	Q3-20	23.23	7.70	1,100	100	4.14	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.002	<0.00005	0.002	<0.001	15	27
T13 Deep	Q1-21	23.64	7.60	1,100	110	5.52	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.004	<0.00005	0.001	<0.001	14	24
T13 Deep	Q2-21	23.59	7.60	1,200	110	5.06	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	<0.001	<0.001	0.003	<0.00005	0.001	<0.001	15	27
T13 Deep	Q3-21	23.85	7.60	1,200	N/A	5.20	<0.005	<0.004	<0.01	<0.001	0.001	<0.0001	0.004	<0.001	0.042	<0.001	0.035	<0.00005	0.001	0.001	16	27
T13 Deep	Q4-21	24.1	7.70	1,000	120	4.90	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	0.001	<0.001	0.006	<0.00005	0.001	<0.001	14	26
T13 Deep	Q1-22	24.61	7.70	1,200	110	5.40	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	0.001	<0.001	0.007	<0.00005	0.002	<0.001	15	25
T13 Deep	Q2-22	24.59	7.50	1,200	110	4.90	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.01	<0.001	0.001	<0.001	0.008	<0.00005	0.002	<0.001	14	24
T13 Deep	Q3-22	24.74	7.50	1,100	120	5.10	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.011	0.0011	0.0018	<0.001	0.011	<0.00005	0.0017	<0.001	15	26
T13 Deep	Q1-23	25.81	7.70	870	94	4.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0059	<0.001	0.0014	<0.001	0.0046	<0.00005	<0.001	<0.001	8.1	15
T13 Deep	Q2-23	25.88	7.60	1,100	120	5.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	0.0025	<0.001	<0.001	0.0099	<0.00005	0.0015	<0.001	15	27
T13 Deep	Q3-23	25.02	7.70	1,100	110	5.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	0.0022	0.0012	<0.001	0.0081	<0.00005	0.0016	0.0011	17	30
T13 Deep	Q4-23	25.13	7.70	1,100	130	5.10	<0.10	<0.0040	0.015	<0.001	<0.001	0.00015	<0.001	0.0079	0.0017	<0.001	0.034	<0.00005	0.0017	0.0092	18	27
T13 Deep	Q1-24	25.4	7.80	1,100	110	5.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	0.0014	0.0015	<0.001	0.0075	<0.00005	0.0015	<0.001	15	26
T13 Deep	Q2-24	25.33	8.00	1,100	100	5.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0094	0.002	0.0013	<0.001	0.0099	<0.00005	0.0014	0.0012	15	26
T13 Deep	Q3-24	25.42	8.00	1,100	110	4.90	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0097	0.008	0.001	<0.001	0.0077	<0.00005	0.0018	0.0017	16	28
T13 Deep	Q4-24	25.66	8.00	1,400	110	5.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0091	0.0024	0.0011	<0.001	0.0069	<0.00005	0.0015	0.0011	15	27
T13 Deep	Q1-25	25.78	7.80	1,200	110	5.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0096	0.0013	0.001	<0.001	0.0082	<0.0005	0.0015	<0.001	17	29
T13 Deep	Q2-25	26.63	7.70	1,100	61	3.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0055	<0.001	<0.001	<0.001	0.0052	<0.0005	<0.001	<0.001	8.6	16
T13 Deep	Q3-25	26.73	7.90	780	83	3.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0047	0.0021	<0.001	<0.001	0.0021	<0.0005	0.001	<0.001	12	20
T13 Deep	Q4-25	24.52	8.30	1,300	120	4.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0044	0.0036	<0.001	<0.001	0.0035	<0.0005	0.0013	<0.001	19	35
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH unitis)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T14 Deep	Q1-18	24.02	7.50	1,800	220	1.27	<0.10	<0.004	0.01	N/A	<0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.044	<0.00005	0.003	0.002	38	85
T14 Deep	Q2-18	24.01	7.60	1,800	190	1.31	<0.10	<0.004	0.03	N/A	<0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.042	<0.00005	0.003	0.002	38	85
T14 Deep	Q3-18	24.01	7.50	1,900	200	1.45	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.043	<0.00005	0.002	0.002	38	85
T14 Deep	Q4-18	23.99	7.40	1,900	190	1.47	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.044	<0.00005	0.003	0.002	38	84
T14 Deep	Q1-19	23.93	7.40	1,900	170	0.99	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.24	0.001	<0.001	0.043	<0.00005	0.002	0.002	38	84
T14 Deep	Q2-19	23.98	7.40	1,900	200	1.68	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.27	0.002	<0.001	0.048	<0.00005	0.003	0.002	41	92
T14 Deep	Q4-19	23.43	7.40	2,000	190	1.93	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.24	0.002	<0.001	0.053	<0.00005	0.002	0.002	37	83
T14 Deep	Q1-20	24.06	7.40	2,000	150	1.27	<0.10	<0.004	0.01	<0.001	<0.001	<0.0001	<0.001	0.24	0.002	<0.001	0.046	0.00006	0.002	0.002	38	82
T14 Deep	Q2-20	24.9	7.50	1,900	200	1.63	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.23	0.003	<0.001	0.047	<0.00005	0.002	0.002	39	84
T14 Deep	Q3-20	23.46	7.50	1,900	190	1.45	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.23	0.001	<0.001	0.045	<0.00005	0.002	0.002	39	86
T14 Deep	Q1-21	24.43	7.50	1,900	200	1.86	<0.20	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.23	0.002	<0.001	0.046	<0.00005	0.002	<0.001	34	76
T14 Deep	Q2-21	24.16	7.40	2,000	200	1.68	<0.20	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.24	0.002	<0.001	0.048	<0.00005	0.003	0.002	38	89

T14 Deep	Q3-21	24.16	No lab sample																			
T14 Deep	Q4-21	24.9	7.60	1,800	210	2.10	0.02	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.23	0.003	<0.001	0.05	<0.00005	0.002	0.002	37	82
T14 Deep	Q1-22	24.8	7.60	1,800	210	2.00	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.25	0.002	<0.001	0.046	<0.00005	0.003	0.002	36	81
T14 Deep	Q2-22	25.07	7.40	1,900	210	1.70	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	<0.001	0.25	0.003	<0.001	0.041	<0.00005	0.002	0.002	37	79
T14 Deep	Q3-22	25.22	7.50	1,800	190	1.70	<0.10	<0.004	<0.01	<0.001	0.0011	<0.001	0.0012	0.26	0.0029	<0.001	0.046	<0.00005	0.0025	0.0024	36	82
T14 Deep	Q1-23	25.34	7.80	1,900	180	1.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.11	0.0011	<0.001	0.0079	<0.00005	<0.001	0.0013	17	37
T14 Deep	Q2-23	25.44	7.20	2,200	260	5.80	0.21	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.27	0.0011	<0.001	0.043	<0.00005	0.0022	0.0022	44	92
T14 Deep	Q3-23	25.56	7.70	1,800	210	2.10	<0.50	<0.0040	0.011	<0.001	<0.001	<0.0001	<0.001	0.26	0.0039	<0.001	0.048	<0.00005	0.0022	0.0034	45	91
T14 Deep	Q4-23	25.69	7.70	1,900	190	2.80	<0.10	<0.0040	<0.01	<0.001	<0.001	0.00012	<0.001	0.27	0.003	<0.001	0.04	<0.00005	0.0023	0.0031	35	74
T14 Deep	Q1-24	25.83	7.70	1,800	210	<0.10	<0.10	<0.0040	<0.01	<0.001	<0.001	0.000013	<0.001	0.24	0.002	<0.001	0.027	<0.00005	0.0021	0.0027	38	80
T14 Deep	Q2-24	25.75	7.90	1,900	190	2.00	<0.20	<0.0040	<0.01	<0.001	0.0011	0.0001	<0.001	0.24	0.0019	<0.001	0.037	<0.00005	0.0021	0.0028	41	88
T14 Deep	Q3-24	25.9	7.90	1,800	210	1.90	<0.10	<0.0040	<0.01	0.0011	0.0013	0.00026	<0.001	0.34	0.0022	<0.001	0.033	0.000052	0.0023	0.009	40	82
T14 Deep	Q4-24	26.5	8.00	2,000	210	0.44	<0.10	<0.0040	<0.01	<0.001	0.0011	0.00012	<0.001	0.26	0.0019	<0.001	0.029	0.0002	0.0028	0.0078	48	95
T14 Deep	Q1-25	26.6	7.80	1,900	210	2.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.23	0.0027	<0.001	0.005	<0.0005	0.0021	0.0033	46	92
T14 Deep	Q2-25	26.77	7.50	1,500	200	3.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0015	0.21	0.0015	<0.001	0.014	<0.0005	0.002	0.0027	50	97
T14 Deep	Q3-25	26.78	7.60	1,600	150	6.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0044	0.13	<0.001	<0.001	0.0016	<0.0005	0.001	0.0018	44	74
T14 Deep	Q4-25	26.32	8.10	2,100	190	6.20	<0.50	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0043	0.19	0.0012	<0.001	0.013	0.0002	0.002	0.0025	59	110
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T15 Deep	Q1-18	20.94	7.30	1,400	200	3.45	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.007	<0.00005	<0.001	0.002	23	42
T15 Deep	Q2-18	20.69	7.50	1,500	180	3.22	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	0.007	N/A	<0.001	<0.001	0.004	<0.00005	<0.001	0.002	23	43
T15 Deep	Q3-18	20.74	7.40	1,500	180	3.22	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	0.007	N/A	<0.001	<0.001	0.004	<0.00005	<0.001	0.002	24	42
T15 Deep	Q4-18	20.81	7.20	1,400	180	3.22	<0.10	<0.004	<0.01	N/A	0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.006	<0.00005	<0.001	0.002	24	43
T15 Deep	Q1-19	22.96	7.30	1,400	180	2.99	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	0.002	24	43
T15 Deep	Q2-19	21.06	7.20	1,500	190	3.45	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	0.002	25	49
T15 Deep	Q4-19	21.25	7.30	1,500	160	2.99	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.006	<0.00005	<0.001	0.002	23	42
T15 Deep	Q1-20	21.44	7.30	1,400	150	2.99	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.006	<0.00005	<0.001	0.002	23	41
T15 Deep	Q2-20	21.47	7.40	1,400	190	3.22	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	0.002	<0.001	0.014	<0.00005	<0.001	0.002	23	41
T15 Deep	Q3-20	21.69	7.50	1,400	180	2.76	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.008	<0.00005	<0.001	0.002	23	42
T15 Deep	Q1-21	24.94	7.20	1,500	200	3.68	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.005	<0.00005	<0.001	0.002	20	39
T15 Deep	Q2-21	21.97	7.30	1,400	190	2.99	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.006	<0.00005	<0.001	0.002	21	41
T15 Deep	Q3-21	22	7.30	1,500	N/A	3.50	<0.005	<0.004	<0.01	<0.001	0.001	<0.0001	0.007	<0.001	0.003	<0.001	0.006	<0.00005	<0.001	0.002	20	39
T15 Deep	Q4-21	22.16	7.40	1,400	190	3.80	<0.005	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.005	<0.00005	<0.001	0.002	22	40
T15 Deep	Q1-22	22.45	7.40	1,400	200	3.70	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	0.002	21	41
T15 Deep	Q2-22	22	7.20	1,400	200	3.20	<0.10	<0.004	<0.01	<0.001	0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.006	<0.00005	<0.001	0.002	22	40
T15 Deep	Q3-22	22.17	7.30	1,400	180	3.20	<0.10	<0.004	<0.01	<0.001	0.0012	<0.0001	0.0092	<0.001	<0.001	<0.001	0.0043	<0.00005	<0.001	0.002	22	40
T15 Deep	Q1-23	22.73	7.50	1,500	200	4.30	<0.10	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.0077	<0.001	<0.001	<0.001	0.0043	<0.00005	<0.001	0.0018	21	37
T15 Deep	Q2-23	22.8	7.40	1,400	200	4.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0088	0.0046	<0.001	<0.001	0.0071	<0.00005	0.0011	0.0023	23	42
T15 Deep	Q3-23	22.9	7.40	1,400	180	4.30	<0.50	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.0087	<0.001	<0.001	<0.001	0.0042	<0.00005	<0.001	0.002	26	47
T15 Deep	Q4-23	23.00	7.40	1,400	180	4.50	<0.10	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.0081	<0.001	0.0015	<0.001	0.015	<0.00005	<0.001	0.0032	20	37
T15 Deep	Q1-24	23.27	7.50	1,500	180	0.12	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.009	0.0022	<0.001	<0.001	0.0044	<0.00005	<0.001	0.0023	23	40
T15 Deep	Q2-24	23.22	7.80	1,400	150	6.70	<0.10	<0.0040	<0.01	<0.001	<0.001	0.00011	0.0093	<0.001	0.0017	<0.001	0.014	<0.00005	0.0012	0.0033	21	37
T15 Deep	Q3-24	23.28	7.60	1,300	160	7.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.01	0.003	<0.001	<0.001	0.0038	<0.00005	0.0013	0.0028	23	38
T15 Deep	Q4-24	23.08	7.80	1,500	160	8.10	<0.10	<0.0040	<0.01	<0.001	0.0011	<0.0001	0.011	<0.001	<0.001	<0.001	0.0033	<0.00005	0.0013	0.0019	23	41
T15 Deep	Q1-25	23.46	7.50	1,400	160	9.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0011	<0.001	<0.001	<0.001	0.005	<0.0005	0.0013	0.0019	25	42
T15 Deep	Q2-25	23.54	7.40	680	150	9.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.011	<0.001	<0.001	<0.001	0.0081	<0.0005	0.0015	0.0019	25	42
T15 Deep	Q3-25	22.89	7.70	860	94	6.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0073	<0.001	<0.001	<0.001	0.0013	<0.0005	<0.001	0.0011	15	25
T15 Deep	Q4-25	23.51	8.20	1,500	150	9.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.012	<0.001	<0.001	<0.001	0.003	<0.0005	0.0013	0.0014	26	45
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T16 Deep	Q1-18	22.92	7.40	3,100	400	4.14	<0.10	<0.004	0.01	N/A	<0.001	0.0001	<0.001	N/A	<0.001	<0.001	0.097	<0.00005	0.002	0.005	53	95

T16 Deep	Q2-18	23.12	7.60	3,000	300	3.22	<0.10	<0.004	0.01	N/A	<0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.073	<0.00005	0.002	0.004	44	81
T16 Deep	Q3-18	23.13	7.50	3,000	350	3.68	<0.10	<0.004	0.01	N/A	<0.001	<0.0001	<0.001	N/A	<0.001	<0.001	0.095	<0.00005	0.002	0.005	53	96
T16 Deep	Q4-18	23.15	7.40	3,000	340	3.45	<0.10	<0.004	0.01	N/A	<0.001	0.0001	<0.001	N/A	<0.001	<0.001	0.098	<0.00005	0.002	0.005	53	96
T16 Deep	Q1-19	22.34	7.50	3,000	330	2.09	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.089	<0.00005	0.002	0.005	52	94
T16 Deep	Q2-19	23.43	7.40	3,100	360	2.99	<0.10	<0.004	0.02	<0.001	<0.001	0.0001	<0.001	<0.001	<0.001	<0.001	0.1	<0.00005	0.002	0.005	56	100
T16 Deep	Q4-19	23.46	7.30	3,300	350	2.99	<0.10	<0.004	<0.01	<0.001	<0.001	0.0001	<0.001	<0.001	<0.001	<0.001	0.1	<0.00005	0.002	0.005	52	93
T16 Deep	Q1-20	23.61	7.40	3,100	310	2.30	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.081	<0.00005	0.002	0.004	53	93
T16 Deep	Q3-20	23.79	7.50	3,200	330	2.30	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.086	<0.00005	0.002	0.005	55	98
T16 Deep	Q1-21	Bore not monitored during Q1 2021 (not accessible)																				
T16 Deep	Q2-21	23.95	7.40	3,200	350	2.30	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	0.002	<0.001	0.096	<0.00005	0.002	0.005	55	100
T16 Deep	Q3-21	23.74	7.40	3,300	N/A	2.50	<0.026	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	0.004	<0.001	0.11	<0.00005	0.002	0.005	48	87
T16 Deep	Q4-21	21.89	7.50	3,000	370	2.50	0.03	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	0.001	<0.001	0.098	<0.00005	0.002	0.005	51	93
T16 Deep	Q1-22	24.44	7.50	3,100	380	2.50	<0.10	<0.004	<0.01	<0.001	<0.001	0.0001	<0.001	<0.001	0.001	<0.001	0.089	<0.00005	0.002	0.005	50	51
T16 Deep	Q2-22	37.58	7.30	3,000	390	2.00	<0.10	<0.004	<0.01	<0.001	<0.001	0.0001	<0.001	<0.001	<0.001	<0.001	0.76	<0.00005	0.002	0.006	53	98
T16 Deep	Q3-22	24.24	7.40	3,000	370	1.40	<0.10	<0.004	0.01	<0.001	<0.001	<0.0001	<0.001	0.0011	<0.001	<0.001	0.097	<0.00005	0.0018	0.0051	49	96
T16 Deep	Q1-23	24.44	7.50	2,500	290	1.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.039	<0.00005	0.001	0.0029	31	55
T16 Deep	Q2-23	24.52	7.40	3,000	380	1.60	0.12	<0.0040	<0.01	<0.001	<0.001	0.00016	<0.001	<0.001	<0.001	<0.001	0.095	<0.00005	0.0019	0.0052	52	93
T16 Deep	Q3-23	24.56	7.50	2,900	350	1.60	<0.50	<0.0040	<0.01	<0.001	<0.001	0.00012	<0.001	<0.001	0.0021	<0.001	0.09	<0.00005	0.0018	0.0053	58	100
T16 Deep	Q4-23	24.68	7.20	3,000	350	11.00	<0.50	<0.0040	<0.01	<0.001	<0.001	0.00014	<0.001	<0.001	0.0021	<0.001	0.093	<0.00005	0.0018	0.0059	47	84
T16 Deep	Q1-24	24.8	7.70	3,000	360	1.40	<0.50	<0.0040	<0.01	<0.001	<0.001	0.00011	<0.001	<0.001	0.0016	<0.001	0.08	<0.00005	0.0017	0.0052	49	90
T16 Deep	Q2-24	24.87	7.70	2,800	330	1.10	<0.50	<0.0040	<0.01	0.0012	<0.001	0.0001	<0.001	<0.001	0.0021	<0.001	0.08	<0.00005	0.002	0.0054	50	92
T16 Deep	Q3-24	24.85	7.30	2,800	340	6.80	<0.20	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.0099	<0.00005	0.002	0.005	45	84
T16 Deep	Q4-24	24.9	7.50	2,800	320	6.90	<0.50	<0.0040	<0.01	0.0026	<0.001	0.00015	<0.001	<0.001	<0.001	<0.001	0.013	<0.00005	0.0029	0.0046	46	89
T16 Deep	Q1-25	25.1	7.20	3,000	330	6.80	<0.50	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	0.001	<0.001	0.014	<0.0005	0.0019	0.005	50	91
T16 Deep	Q2-25	25.1	7.10	1,500	230	3.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.0082	<0.0005	0.0011	0.0022	22	42
T16 Deep	Q3-25	25.13	7.20	1,500	160	4.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.0049	<0.0005	0.001	0.0027	24	45
T16 Deep	Q4-25	25.21	7.90	2,800	300	7.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0016	0.0013	<0.001	<0.001	0.0079	<0.0005	0.0017	0.0045	50	88
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)
T17 Deep	Q1-18	22.67	7.40	1,800	210	12.88	<1.00	<0.004	<0.01	N/A	0.002	<0.0001	0.032	N/A	<0.001	<0.001	0.004	<0.00005	0.003	<0.001	38	53
T17 Deep	Q2-18	22.94	7.60	1,800	190	12.88	<1.00	<0.004	<0.01	N/A	0.002	<0.0001	0.029	N/A	<0.001	<0.001	0.003	<0.00005	0.003	<0.001	38	54
T17 Deep	Q3-18	23.03	7.40	1,800	190	13.11	<1.00	<0.004	<0.01	N/A	0.002	<0.0001	0.028	N/A	<0.001	<0.001	0.004	<0.00005	0.003	<0.001	38	53
T17 Deep	Q4-18	23.05	7.30	1,800	190	13.11	<1.00	<0.004	<0.01	N/A	0.002	<0.0001	0.03	N/A	<0.001	<0.001	0.003	<0.00005	0.003	<0.001	38	53
T17 Deep	Q1-19	23.16	7.30	1,900	170	12.19	<1.00	<0.004	<0.01	<0.001	0.002	<0.0001	0.027	<0.001	<0.001	<0.001	0.003	<0.00005	0.003	<0.001	37	52
T17 Deep	Q2-19	23.28	7.30	1,800	200	13.34	<1.00	<0.004	<0.01	<0.001	0.002	<0.0001	0.031	<0.001	<0.001	<0.001	0.001	<0.00005	0.003	<0.001	39	56
T17 Deep	Q4-19	23.53	7.20	1,900	170	11.50	<1.00	<0.004	<0.01	<0.001	0.002	<0.0001	0.031	<0.001	<0.001	<0.001	0.009	<0.00005	0.003	<0.001	36	51
T17 Deep	Q1-20	23.68	7.30	1,800	170	11.73		<0.004	<0.01	<0.001	0.002	<0.0001	0.03	<0.001	<0.001	<0.001	0.002	<0.00005	0.003	<0.001	36	50
T17 Deep	Q2-20	23.8	7.40	1,800	190	12.88		<0.004	<0.01	<0.001	0.002	<0.0001	0.03	<0.001	<0.001	<0.001	0.002	<0.00005	0.003	<0.001	37	54
T17 Deep	Q3-20	23.1	7.40	1,900	180	11.50	<1.00	<0.004	<0.01	<0.001	0.002	<0.0001	0.029	<0.001	<0.001	<0.001	0.002	<0.00005	0.003	<0.001	37	53
T17 Deep	Q1-21	Bore not monitored during Q1 2021 (not accessible)																				
T17 Deep	Q2-21	24.95	7.30	1,900	190	12.88	<0.20	<0.004	<0.01	<0.001	0.002	<0.0001	0.03	<0.001	0.001	<0.001	0.006	<0.00005	0.003	<0.001	36	55
T17 Deep	Q3-21	24.48	7.30	1,900	N/A	12.00	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.029	<0.001	0.004	<0.001	0.005	<0.00005	0.003	<0.001	33	49
T17 Deep	Q4-21	24.73	7.40	1,800	200	13.00	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.029	<0.001	<0.001	<0.001	0.008	<0.00005	0.003	<0.001	35	51
T17 Deep	Q1-22	25.4	7.40	1,900	200	11.00	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.031	<0.001	<0.001	<0.001	0.002	<0.00005	0.003	<0.001	34	50
T17 Deep	Q2-22	25	7.20	1,800	200	12.00	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.032	<0.001	<0.001	<0.001	0.002	<0.00005	0.003	<0.001	34	51
T17 Deep	Q3-22	25.2	7.20	1,700	180	13.00	<0.50	<0.004	<0.01	<0.001	0.002	<0.0001	0.034	<0.001	<0.001	<0.001	0.0022	<0.00005	0.003	<0.001	33	52
T17 Deep	Q1-23	25.38	7.60	1,900	180	12.00	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.012	<0.001	<0.001	<0.001	0.0023	<0.00005	0.0011	<0.001	13	20
T17 Deep	Q2-23	24.4	7.30	1,800	210	6.40	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.032	<0.001	<0.001	<0.001	0.01	<0.00005	0.0028	<0.001	35	52
T17 Deep	Q3-23	25.58	7.40	1,700	190	12.00	<0.50	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.03	<0.001	<0.001	<0.001	0.0055	<0.00005	0.0028	<0.001	40	56
T17 Deep	Q4-23	25.70	7.40	1,800	190	13.00	<0.10	<0.0040	<0.01	<0.001	0.0019	<0.0001	0.033	<0.001	0.0011	<0.001	0.0091	<0.00005	0.003	<0.001	32	49
T17 Deep	Q1-24	25.98	7.40	1,700	190	13.00	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.03	<0.001	<0.001	<0.001	0.0035	<0.00005	0.0027	<0.001	34	50
T17 Deep	Q2-24	25.81	7.60	1,700	170	12.00	<0.20	<0.0040	<0.01	<0.001	0.0017	<0.0001	0.029	<0.001	<0.001	<0.001	0.01	<0.00005	0.0028	<0.001	33	50
T17 Deep	Q3-24	25.85	7.70	1,800	190	12.00	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.029	&								

T17 Deep	Q4-24	26.13	7.80	1,800	190	11.00	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.029	<0.001	<0.001	<0.001	0.0043	<0.00005	0.0031	<0.001	36	55	
T17 Deep	Q1-25	26.6	7.50	2,200	190	13.00	<0.10	<0.0040	<0.01	<0.001	0.0017	<0.0001	0.028	<0.001	<0.001	<0.001	0.0039	<0.0005	0.0028	<0.001	40	55	
T17 Deep	Q2-25	26.31	7.30	1,000	100	7.30	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.016	<0.001	<0.001	<0.001	0.0045	<0.0005	0.0015	<0.001	20	29	
T17 Deep	Q3-25	26.35	7.70	2,000	220	13.00	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.028	0.065	0.0013	<0.001	0.0012	<0.0005	0.0029	0.003	56	59	
T17 Deep	Q4-25	26.72	8.20	2,100	210	12.00	<0.10	<0.0040	<0.01	<0.001	0.0015	<0.0001	0.029	0.035	0.0016	<0.001	0.0032	<0.0005	0.0027	0.0019	53	61	
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)	
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)	
T18	Q1-18	40.42	6.80	420	34	5.98	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.003	<0.00005	<0.001	0.004	6.4	15	
T18	Q2-18	40.4	7.00	410	29	5.98	<0.50	<0.004	<0.01	N/A	0.001	<0.0001	0.007	N/A	<0.001	<0.001	0.004	<0.00005	<0.001	0.003	6.4	15	
T18	Q3-18	40.42	6.80	420	28	6.44	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.007	N/A	<0.001	<0.001	0.002	<0.00005	<0.001	0.001	6.7	14	
T18	Q4-18	40.42	6.70	410	27	6.21	<0.50	<0.004	<0.01	N/A	<0.001	<0.0001	0.008	N/A	<0.001	<0.001	0.001	<0.00005	<0.001	0.001	6.4	15	
T18	Q1-19	40.7	6.70	450	17	5.98	<0.50	<0.004	<0.01	<0.001	<0.001	<0.0001	0.007	<0.001	<0.001	<0.001	0.003	<0.00005	<0.001	0.002	6.4	15	
T18	Q2-19	41.03	6.70	450	29	6.21	<0.50	<0.004	<0.01	<0.001	0.001	<0.0001	0.009	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	0.003	6.4	16	
T18	Q4-19	41.48	6.70	440	25	5.29	<0.50	<0.004	<0.01	<0.001	0.001	<0.0001	0.008	<0.001	<0.001	<0.001	0.002	<0.00005	<0.001	0.003	6	15	
T18	Q1-20	41.71	6.80	400	17	3.68		<0.004	<0.01	<0.001	0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	0.004	5.8	15	
T18	Q2-20	41.87	6.70	400	30	5.98		<0.004	<0.01	<0.001	0.001	<0.0001	0.009	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	0.004	6.1	15	
T18	Q1-21	Bore not monitored during Q1 2021 (not accessible)																					
T18	Q2-21	42.41	6.70	450	31	5.75	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.01	0.002	<0.001	<0.001	0.008	<0.00005	<0.001	0.005	6	15	
T18	Q3-21	42.49	6.80	460	N/A	5.40	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.0099	<0.001	0.004	<0.001	0.005	<0.00005	<0.001	0.005	5.5	14	
T18	Q4-21	42.81	6.80	460	36	5.80	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.01	<0.001	<0.001	<0.001	0.004	<0.00005	<0.001	0.004	5.7	14	
T18	Q1-22	42.91	No lab sample																				
T18	Q2-22	43.12	6.70	400	34	5.30	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.011	0.005	<0.001	<0.001	0.004	<0.00005	<0.001	0.005	6.2	14	
T18	Q3-22	Not Monitored																					
T18	Q1-23	43.35	6.80	380	33	6.30	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.012	<0.001	<0.001	<0.001	0.001	<0.00005	<0.001	0.0047	5.1	14	
T18	Q2-23	43.4	6.90	420	31	5.60	<0.10	<0.50	<0.01	<0.001	<0.001	0.0017	<0.0001	0.011	<0.001	<0.001	<0.001	<0.00005	<0.00005	<0.001	4.4	5.7	
T18	Q3-23	43.46	6.80	420	32	5.60	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.011	<0.001	<0.001	<0.001	0.0028	<0.00005	<0.001	0.0048	6.4	16	
T18	Q4-23	43.49	6.80	430	32	5.90	<0.10	<0.0040	<0.01	<0.001	0.0019	<0.0001	0.012	<0.001	0.0016	<0.001	0.0094	<0.00005	<0.001	0.0055	5.3	12	
T18	Q1-24	43.62	6.90	450	33	7.40	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.011	<0.001	<0.001	<0.001	0.013	<0.00005	<0.001	0.0055	6.1	14	
T18	Q2-24	43.55	7.00	440	32	5.30	<0.10	<0.0040	<0.01	<0.001	0.0017	<0.0001	0.011	<0.001	<0.001	<0.001	0.0044	<0.00005	<0.001	0.0045	6.1	15	
T18	Q3-24	Not Monitored																					
T18	Q4-24	43.79	7.10	460	32	5.60	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.011	<0.001	<0.001	<0.001	0.0025	<0.00005	<0.001	0.0049	5.5	14	
T18	Q1-25	44.22	7.00	460	32	5.80	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.01	<0.001	0.0011	<0.001	0.0061	<0.0005	<0.001	0.005	5.9	15	
T18	Q2-25	44.36	6.90	350	31	6.10	<0.10	<0.0040	<0.01	<0.001	0.0018	<0.0001	0.01	<0.001	<0.001	<0.001	0.0053	<0.0005	<0.001	0.0046	5.6	14	
T18	Q3-25	44.47	7.20	210	15	2.90	<0.10	<0.0040	<0.01	<0.001	0.0012	<0.0001	0.0053	<0.001	<0.001	<0.001	0.0019	<0.0005	<0.001	0.0019	2.7	7	
T18	Q4-25	44.56	7.60	440	30	6.00	<0.10	<0.0040	<0.01	<0.001	0.0016	<0.0001	0.011	<0.001	0.0012	<0.001	0.098	<0.0005	<0.001	0.0048	5.8	15	
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)	
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)	
T19	Q1-18	37.42	6.10	350	22	6.21	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.002	N/A	<0.001	<0.001	0.018	<0.00005	<0.001	0.017	5	13	
T19	Q2-18	37.85	6.30	130	20	6.21	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.001	N/A	<0.001	<0.001	0.015	<0.00005	<0.001	0.011	5.7	13	
T19	Q3-18	38.08	6.10	360	21	6.44	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.002	N/A	0.001	<0.001	0.012	<0.00005	<0.001	0.011	5.9	12	
T19	Q4-18	38.41	6.10	350	20	6.21	<0.10	<0.004	<0.01	N/A	<0.001	<0.0001	0.002	N/A	<0.001	<0.001	0.01	<0.00005	<0.001	0.012	5.8	12	
T19	Q1-19	38.9	6.20	380	11	5.98	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.001	0.001	0.003	<0.001	0.013	<0.00005	<0.001	0.012	6	13	
T19	Q2-19	39.36	6.00	390	21	6.44	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	0.001	<0.001	<0.001	0.01	<0.00005	<0.001	0.012	6.2	14	
T19	Q4-19	39.8	6.00	410	19	5.75	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.001	0.001	<0.001	<0.001	0.012	<0.00005	<0.001	0.012	5.9	13	
T19	Q1-20	39.86	6.10	370	16	5.06	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	<0.001	0.001	<0.001	<0.001	0.024	<0.00005	<0.001	0.012	5.6	13	
T19	Q2-20	39.87	6.10	370	21	6.44	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.001	0.001	<0.001	<0.001	0.016	<0.00005	<0.001	0.012	6.2	13	
T19	Q1-21	Bore not monitored during Q1 2021 (not accessible)																	<0.001				
T19	Q2-21	40.32	6.00	390	20	6.21	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.002	0.002	0.003	<0.001	0.016	<0.00005	<0.001	0.014	5.5	13	
T19	Q3-21	40.45	6.10	430	N/A	5.80	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.001	0.001	0.001	<0.001	0.017	<0.00005	<0.001	0.013	5.4	12	
T19	Q4-21	40.56	6.20	370	22	6.50	<0.005	<0.004	<0.01	<0.001	<0.001	<0.0001	0.001	0.001	<0.001	<0.001	0.023	<0.00005	<0.001	0.013	6	13	
T19	Q1-22	40.63	No lab sample				<0.10															<0.001	

T19	Q2-22	40.68	6.00	370	22	5.90	<0.10	<0.004	<0.01	<0.001	<0.001	<0.0001	0.001	0.002	<0.001	<0.001	0.019	<0.00005	<0.001	0.013	5.5	12	
T19	Q3-22	Not Monitored																					
T19	Q1-23	40.29	6.30	340	22	6.90	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.0011	0.0014	<0.001	0.02	<0.00005	<0.001	0.011	5.3	12	
T19	Q2-23	40.56	6.30	390	19	6.30	<0.10	<0.50	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00005	<0.001	<0.001	13	5.6	
T19	Q3-23	40.53	6.20	360	21	6.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.0018	<0.001	<0.001	0.013	<0.00005	<0.001	0.013	6.7	14	
T19	Q4-23	40.52	6.50	370	22	7.20	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.018	<0.00005	<0.001	0.013	5.2	11	
T19	Q1-24	40.6	6.50	360	23	6.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.013	<0.00005	<0.001	0.012	6	13	
T19	Q2-24	40.56	6.50	360	20	5.80	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	0.002	<0.001	0.019	0.000076	<0.001	0.012	5.6	12
T19	Q3-24	Not Monitored																					
T19	Q4-24	41.25	6.70	510	27	6.50	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0022	0.0014	<0.001	<0.001	0.0086	<0.00005	<0.001	0.012	6.2	14	
T19	Q1-25	42.12	6.40	350	22	6.60	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0016	0.0022	0.0012	>0.001	0.0026	<0.0005	<0.001	0.012	6	14	
T19	Q2-25	42.44	6.60	450	6.8	2.00	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	0.017	<0.0005	<0.001	0.003	19	45	
T19	Q3-25	42.55	6.70	300	21	5.70	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	<0.001	0.0067	<0.001	<0.001	0.014	<0.0005	<0.001	0.0098	5.7	13	
T19	Q4-25	42.73	7.20	470	26	8.10	<0.10	<0.0040	<0.01	<0.001	<0.001	<0.0001	0.0014	<0.001	<0.001	<0.001	0.0046	<0.0005	<0.001	0.011	6.2	1.7	
Bore	Parameter	SWL	pH	TDS	Sulphate SO4 ²⁻	Nitrate N	Nitrite N	WAD Cyanide	Aluminium (Al)	Antimony (Sb)	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Zinc (Zn)	Mercury (Hg)	Selenium (Se)	Nickel (Ni)	Calcium (Ca)	Magnesium (Mg)	
	Limits, Units & Period	(m)	6-9 (pH units)	<1,500 (mg/l)	(mg/L)	30 (mg/L)	(mg/L)	<0.5 (mg/L)	(mg/L)	(mg/L)	(mg/L)	0.005 (mg/L)	<0.05 (mg/L)	(mg/L)	<1.0 (mg/L)	<0.01 (mg/L)	<5.0 (mg/L)	<0.002 (mg/L)	(mg/L)	<0.2 (mg/L)	(mg/L)	(mg/L)	
T20	Q1-18	41.65	7.50	840	53	8.74	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	0.001	N/A	<0.001	<0.001	<0.001	<0.00005	0.004	<0.001	4.2	20	
T20	Q2-18	43.45	7.60	870	45	8.51	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	0.001	N/A	<0.001	<0.001	0.007	<0.00005	0.004	<0.001	4.5	21	
T20	Q3-18	43.91	7.40	910	46	8.74	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	0.001	N/A	<0.001	<0.001	0.001	<0.00005	0.003	<0.001	4.5	21	
T20	Q4-18	45.36	7.40	860	44	8.51	<0.10	<0.004	<0.01	N/A	0.002	<0.0001	0.002	N/A	<0.001	<0.001	0.001	<0.00005	0.003	<0.001	4.5	20	
T20	Q1-19	47.13	7.40	900	32	8.05	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.001	<0.001	<0.001	<0.001	0.002	<0.00005	0.003	<0.001	4.3	20	
T20	Q2-19	47.98	7.30	890	45	8.51	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.002	<0.001	<0.001	<0.001	<0.001	<0.00005	0.003	<0.001	4.1	20	
T20	Q1-20	44.71	7.40	840	40	7.59	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.002	<0.001	0.006	<0.001	0.003	<0.00005	0.003	<0.001	4.5	20	
T20	Q2-20	44.3	7.40	840	48	8.51	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.002	<0.001	<0.001	<0.001	0.001	<0.00005	0.003	<0.001	4.9	22	
T20	Q1-21	Bore not monitored Q1 2021 (not accessible)																					
T20	Q2-21	45.56	7.30	910	47	8.28	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.001	<0.001	<0.001	<0.001	0.006	<0.00005	0.003	<0.001	4.3	20	
T20	Q3-21	45	7.30	880	N/A	7.60	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.002	<0.001	0.001	<0.001	0.003	<0.00005	0.003	<0.001	4.4	20	
T20	Q4-21	45.98	7.50	790	49	8.50	<0.005	<0.004	<0.01	<0.001	0.002	<0.0001	0.002	<0.001	<0.001	<0.001	0.004	<0.00005	0.003	<0.001	4.3	20	
T20	Q1-22	45.28	No lab sample																				
T20	Q2-22	44.55	7.30	860	52	7.90	<0.10	<0.004	<0.01	<0.001	0.002	<0.0001	0.001	<0.001	<0.001	<0.001	0.006	<0.00005	0.003	<0.001	4.6	20	
T20	Q3-22	Bore not monitored Q3 2022																					
T20	Q1-23	43.54	7.60	840	53	9.10	<0.10	<0.0040	<0.01	<0.001	0.002	<0.0001	0.0028	<0.001	<0.001	<0.001	<0.001	<0.00005	0.003	<0.001	3.7	18	
T20	Q2-23	43.28	7.40	870	47	7.90	<0.10	<0.0040	<0.01	<0.001	0.0024	<0.0001	0.003	<0.001	<0.001	<0.001	0.0018	<0.00005	0.0038	<0.001	4.3	21	
T20	Q3-23	43.04	7.50	840	50	8.60	<0.10	<0.0040	<0.01	<0.001	0.0026	<0.0001	0.0039	<0.001	0.0014	<0.001	0.0036	<0.00005	0.0033	<0.001	5.6	24	
T20	Q4-23	42.87	7.50	870	50	8.80	<0.10	<0.0040	<0.01	<0.001	0.0033	<0.0001	0.0048	<0.001	0.0012	<0.001	0.0083	<0.00005	0.0037	<0.001	5.1	19	
T20	Q1-24	42.79	7.60	930	51	9.10	<0.10	<0.0040	<0.01	<0.001	0.0023	<0.0001	0.0039	<0.001	0.0012	<0.001	0.0055	<0.00005	0.0032	<0.001	5.2	20	
T20	Q2-24	42.57	7.80	820	45	7.80	<0.10	<0.0040	<0.01	<0.001	0.0025	<0.0001	0.0035	<0.001	0.0013	<0.001	0.0045	0.00034	0.0031	<0.001	4.7	20	
T20	Q3-24	Bore not monitored Q3 2024																					
T20	Q4-24	46.93	7.80	940	47	7.80	<0.10	<0.0040	<0.01	<0.001	0.0024	<0.0001	0.0022	<0.001	<0.001	<0.001	0.0016	<0.00005	0.0033	<0.001	4.9	22	
T20	Q1-25	46.5	7.80	840	46	8.40	<0.10	<0.0040	<0.01	<0.001	0.0023	<0.0001	0.0017	<0.001	<0.001	<0.001	0.0026	<0.0005	0.0032	<0.001	4.5	21	
T20	Q2-25	49.28	7.50	560	19	3.80	<0.10	<0.0040	<0.01	<0.001	0.0013	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	0.0016	<0.001	28	11	
T20	Q3-25	49.07	7.80	670	36	7.00	<0.10	<0.0040	<0.01	<0.001	0.0024	<0.0001	0.001	0.0025	<0.001	<0.001	0.0021	<0.0005	0.002	0.0012	4.3	15	
T20	Q4-25	50.49	8.10	940	47	9.00	<0.10	<0.0040	<0.01	<0.001	0.0027	<0.0001	0.0012	<0.001	<0.001	<0.001	0.0046	<0.0005	0.0034	<0.001	7.2	27	

Appendix 4: Laboratory analysis reports for 2025 TSF bore monitoring



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Certificate of Analysis PGD0272

Client Details

Client Warriedar Resources Ltd
Contact [REDACTED]
Address Suite 3, 41-47 Colin St, WEST PERTH, WA, 6005

Sample Details

Your Reference Golden Range Project
Number of Samples 21 Water
Date Samples Received 02/04/2025
Date Instructions Received 02/04/2025

Analysis Details

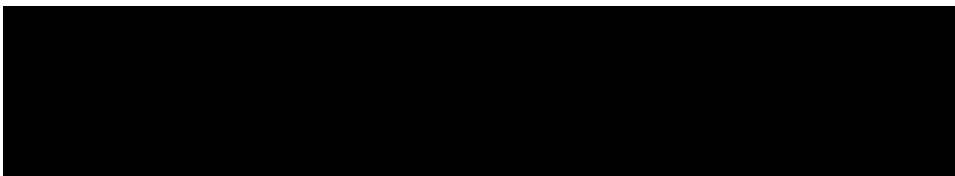
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

Report Details

Date Results Requested by 10/04/2025
Date of Issue 10/04/2025

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Authorisation Details



Certificate of Analysis PGD0272

Samples in this Report

Envirolab ID	Sample ID	Matrix	Date Sampled	Date Received
PGD0272-01	T1-D	Water	01/04/2025	02/04/2025
PGD0272-02	T2-D	Water	01/04/2025	02/04/2025
PGD0272-03	T4-D	Water	01/04/2025	02/04/2025
PGD0272-04	T5-D	Water	01/04/2025	02/04/2025
PGD0272-05	T6-D	Water	01/04/2025	02/04/2025
PGD0272-06	T8-D	Water	01/04/2025	02/04/2025
PGD0272-07	T9-D	Water	01/04/2025	02/04/2025
PGD0272-08	T10-D	Water	01/04/2025	02/04/2025
PGD0272-09	T11-D	Water	01/04/2025	02/04/2025
PGD0272-10	T12-D	Water	01/04/2025	02/04/2025
PGD0272-11	T12-S	Water	01/04/2025	02/04/2025
PGD0272-12	T13-D	Water	01/04/2025	02/04/2025
PGD0272-13	T14-D	Water	01/04/2025	02/04/2025
PGD0272-14	T15-D	Water	01/04/2025	02/04/2025
PGD0272-15	T16-D	Water	01/04/2025	02/04/2025
PGD0272-16	T17-D	Water	01/04/2025	02/04/2025
PGD0272-17	T18	Water	01/04/2025	02/04/2025
PGD0272-18	T19	Water	01/04/2025	02/04/2025
PGD0272-19	T20	Water	01/04/2025	02/04/2025
PGD0272-20	M1-North	Water	01/04/2025	02/04/2025
PGD0272-21	M1-South	Water	01/04/2025	02/04/2025

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Dissolved Metals (Water)

Envirolab ID	Units	PQL	PGD0272-20	PGD0272-21
Your Reference			M1-North	M1-South
Date Sampled			01/04/2025	01/04/2025
Silicon	mg/L	0.10	20	17

Certificate of Analysis PGD0272

Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGD0272-01	PGD0272-02	PGD0272-03	PGD0272-04	PGD0272-05
Your Reference			Health	T1-D	T2-D	T4-D	T5-D	T6-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Aluminium	µg/L	10		<10	21	<10	<10	<10
Arsenic	µg/L	1.0		3.8	2.1	1.2	<1.0	6.2
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		2.5	12	6.8	5.8	4.0
Chromium	µg/L	1.0		12	6.2	11	2.7	3.0
Copper	µg/L	1.0		<1.0	<1.0	<1.0	1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	0.059	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		1.6	2.9	1.5	<1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	1.8	<1.0	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		2.4	8.9	8.3	2.3	2.3

Envirolab ID	Units	PQL	ADWG	PGD0272-06	PGD0272-07	PGD0272-08	PGD0272-09	PGD0272-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		11	1.5	<1.0	1.2	1.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	0.62
Cobalt	µg/L	1.0		<1.0	1.2	<1.0	6.9	690
Chromium	µg/L	1.0		12	21	9.6	1.9	1.4
Copper	µg/L	1.0		<1.0	1.0	1.3	<1.0	1.3
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	0.27	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		<1.0	1.5	1.1	<1.0	110
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		2.9	16	5.4	1.4	11

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Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGD0272-11	PGD0272-12	PGD0272-13	PGD0272-14	PGD0272-15
Your Reference			Health	T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Aluminium	µg/L	10		150	<10	<10	<10	<10
Arsenic	µg/L	1.0		13	<1.0	<1.0	<1.0	<1.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		6.5	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		3300	1.3	230	<1.0	<1.0
Chromium	µg/L	1.0		2.3	9.6	<1.0	11	<1.0
Copper	µg/L	1.0		18	1.0	2.7	<1.0	1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		0.60	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		1000	<1.0	3.3	1.9	5.0
Lead	µg/L	1.0		4.5	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<2.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<2.0	1.5	2.1	1.3	1.9
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<2.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		140	8.2	33	5.0	14

Envirolab ID	Units	PQL	ADWG	PGD0272-16	PGD0272-17	PGD0272-18	PGD0272-19	PGD0272-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		1.7	1.8	<1.0	2.3	50
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	770
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	5.0
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	<0.50
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		<1.0	<1.0	2.2	<1.0	<1.0
Chromium	µg/L	1.0		28	10	1.6	1.7	2.6
Copper	µg/L	1.0		<1.0	1.1	1.2	<1.0	1.2
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	<10
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	10
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	1.2
Nickel	µg/L	1.0		<1.0	5.1	12	<1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	[NA]
Selenium	µg/L	1.0		2.8	<1.0	<1.0	3.2	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	160
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	2.1	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	1.7
Zinc	µg/L	1.0		3.9	6.1	15	2.6	5.9

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Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGD0272-21
Your Reference			Health	M1-South
Date Sampled			Value	01/04/2025
Aluminium	µg/L	10		<10
Arsenic	µg/L	1.0		16
Boron	µg/L	20	4000	830
Barium	µg/L	1.0	2000	18
Beryllium	µg/L	0.50		<0.50
Cadmium	µg/L	0.10		<0.10
Cobalt	µg/L	1.0		3.6
Chromium	µg/L	1.0		8.4
Copper	µg/L	1.0		<1.0
Iron	µg/L	10		<10
Mercury	µg/L	0.050		<0.050
Manganese	µg/L	1.0		19
Molybdenum	µg/L	1.0		5.6
Nickel	µg/L	1.0		1.7
Lead	µg/L	1.0		<1.0
Antimony	µg/L	1.0		[NA]
Selenium	µg/L	1.0		<1.0
Strontium	µg/L	1.0		130
Titanium	µg/L	1.0		<1.0
Vanadium	µg/L	1.0		10
Zinc	µg/L	1.0		3.1

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Inorganics - Physical Parameters (Water)

Envirolab ID	Units	PQL	ADWG	PGD0272-01	PGD0272-02	PGD0272-03	PGD0272-04	PGD0272-05
Your Reference			Health	T1-D	T2-D	T4-D	T5-D	T6-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
pH	pH units		6.5-8.5	7.3	7.6	7.4	7.9	7.8
Electrical Conductivity	µS/cm	2.0		1400	2100	2600	1600	1400
Total Dissolved Solids	mg/L	5.0	600	810	1100	1400	900	800

Envirolab ID	Units	PQL	ADWG	PGD0272-06	PGD0272-07	PGD0272-08	PGD0272-09	PGD0272-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
pH	pH units		6.5-8.5	8.1	7.3	7.4	7.6	6.2
Electrical Conductivity	µS/cm	2.0		1400	890	1000	1300	8200
Total Dissolved Solids	mg/L	5.0	600	850	510	570	720	5100

Envirolab ID	Units	PQL	ADWG	PGD0272-11	PGD0272-12	PGD0272-13	PGD0272-14	PGD0272-15
Your Reference			Health	T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
pH	pH units		6.5-8.5	5.2	7.8	7.8	7.5	7.2
Electrical Conductivity	µS/cm	2.0		33000	2100	3400	2600	5300
Total Dissolved Solids	mg/L	5.0	600	20000	1200	1900	1400	3000

Envirolab ID	Units	PQL	ADWG	PGD0272-16	PGD0272-17	PGD0272-18	PGD0272-19	PGD0272-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
pH	pH units		6.5-8.5	7.5	7.0	6.4	7.8	8.0
Electrical Conductivity	µS/cm	2.0		3400	740	650	1600	1700
Total Dissolved Solids	mg/L	5.0	600	2200	460	350	840	880

Envirolab ID	Units	PQL	ADWG	PGD0272-21
Your Reference			Health	M1-South
Date Sampled			Value	01/04/2025
pH	pH units		6.5-8.5	8.0
Electrical Conductivity	µS/cm	2.0		1600
Total Dissolved Solids	mg/L	5.0	600	910

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Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGD0272-01	PGD0272-02	PGD0272-03	PGD0272-04	PGD0272-05
Your Reference			T1-D	T2-D	T4-D	T5-D	T6-D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	31	84	130	70	60
Calcium	mg/L	0.50	8.7	21	29	12	12
Magnesium	mg/L	0.50	26	39	45	24	27
Potassium	mg/L	0.50	22	26	31	22	19
Sodium	mg/L	0.50	220	330	390	250	220
Hardness (calc) equivalent CaCO3	mg/L	3.0	130	210	260	130	140
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGD0272-06	PGD0272-07	PGD0272-08	PGD0272-09	PGD0272-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	35	40	37	47	340
Calcium	mg/L	0.50	3.2	13	11	10	170
Magnesium	mg/L	0.50	14	19	21	29	210
Potassium	mg/L	0.50	17	11	16	17	69
Sodium	mg/L	0.50	250	120	140	180	1100
Hardness (calc) equivalent CaCO3	mg/L	3.0	65	110	110	150	1300
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGD0272-11	PGD0272-12	PGD0272-13	PGD0272-14	PGD0272-15
Your Reference			T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	2200	110	210	160	330

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Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGD0272-11	PGD0272-12	PGD0272-13	PGD0272-14	PGD0272-15
Your Reference			T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Calcium	mg/L	0.50	940	17	46	25	50
Magnesium	mg/L	0.50	710	29	92	42	91
Potassium	mg/L	0.50	190	26	40	30	60
Sodium	mg/L	0.50	5000	340	490	400	840
Hardness (calc) equivalent CaCO3	mg/L	3.0	5300	160	490	240	500
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGD0272-16	PGD0272-17	PGD0272-18	PGD0272-19	PGD0272-20
Your Reference			T17-D	T18	T19	T20	M1-North
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	240
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	240
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	320
Sulfate	mg/L	1.0	190	32	22	46	87
Calcium	mg/L	0.50	40	5.9	6.0	4.5	16
Magnesium	mg/L	0.50	55	15	14	21	37
Potassium	mg/L	0.50	33	11	7.9	16	22
Sodium	mg/L	0.50	540	97	82	260	260
Hardness (calc) equivalent CaCO3	mg/L	3.0	330	77	72	99	190
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	0.65

Envirolab ID	Units	PQL	PGD0272-21
Your Reference			M1-South
Date Sampled			01/04/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	230
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	230
Chloride	mg/L	1.0	310
Sulfate	mg/L	1.0	77
Calcium	mg/L	0.50	19
Magnesium	mg/L	0.50	33
Potassium	mg/L	0.50	20
Sodium	mg/L	0.50	250
Hardness (calc) equivalent CaCO3	mg/L	3.0	180
Ionic Balance	%		0.66

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Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGD0272-01	PGD0272-02	PGD0272-03	PGD0272-04	PGD0272-05
Your Reference			Health	T1-D	T2-D	T4-D	T5-D	T6-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		8.7	7.7	16	4.2	4.3
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	38	34	73	18	19
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGD0272-06	PGD0272-07	PGD0272-08	PGD0272-09	PGD0272-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		7.0	7.8	8.8	7.9	12
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	31	35	39	35	55
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.50 [2]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<2.5 [2]
Envirolab ID	Units	PQL	ADWG	PGD0272-11	PGD0272-12	PGD0272-13	PGD0272-14	PGD0272-15
Your Reference			Health	T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		11	5.7	2.1	9.5	6.8
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	49	25	9.1	42	30
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<2.0 [2]	<0.10	<0.10	<0.10	<0.50 [2]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<10 [2]	<0.50	<0.50	<0.50	<2.5 [2]
Envirolab ID	Units	PQL	ADWG	PGD0272-16	PGD0272-17	PGD0272-18	PGD0272-19	PGD0272-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	3.3
Nitrate as N	mg/L	0.10		13	5.8	6.6	8.4	[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	14
Nitrate as NO3 by calc	mg/L	0.50	50	57	26	29	37	[NA]
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	<0.0050
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	[NA]

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Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGD0272-16	PGD0272-17	PGD0272-18	PGD0272-19	PGD0272-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025

Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	<0.020
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	[NA]

Envirolab ID	Units	PQL	ADWG	PGD0272-21
Your Reference			Health	M1-South
Date Sampled			Value	01/04/2025

Nitrate as N	mg/L	0.0050		4.1
Nitrate as N	mg/L	0.10		[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	18
Nitrate as NO3 by calc	mg/L	0.50	50	[NA]
Nitrite as N	mg/L	0.0050		<0.0050
Nitrite as N	mg/L	0.10		[NA]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	<0.020
Nitrite as NO2 by calc	mg/L	0.50		[NA]

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Inorganics - Cyanide Species and Similar (Water)

Envirolab ID	Units	PQL	PGD0272-01	PGD0272-02	PGD0272-03	PGD0272-04	PGD0272-05
Your Reference			T1 D	T2 D	T4-D	T5 D	T6 D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025

Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
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Envirolab ID	Units	PQL	PGD0272-06	PGD0272-07	PGD0272-08	PGD0272-09	PGD0272-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025

Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0056
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Envirolab ID	Units	PQL	PGD0272-11	PGD0272-12	PGD0272-13	PGD0272-14	PGD0272-15
Your Reference			T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025	01/04/2025

Weak Acid Dissociable Cyanide	mg/L	0.0040	0.0046	<0.0040	<0.0040	<0.0040	<0.0040
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Envirolab ID	Units	PQL	PGD0272-16	PGD0272-17	PGD0272-18	PGD0272-19
Your Reference			T17-D	T18	T19	T20
Date Sampled			01/04/2025	01/04/2025	01/04/2025	01/04/2025

Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040
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Certificate of Analysis PGD0272

Result Comments

Identifier	Description
[2]	PQL(s) has/have been raised due to the high concentration of analyte(s) in the sample, resulting in the sample requiring a dilution.

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Method Summary

Method ID	Methodology Summary
INORG-001	pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis can be completed outside of the recommended holding times. Solids are reported from a 1:5 water extract unless otherwise specified. Alternatively, pH is determined in a 1:5 extract using 0.01M calcium chloride or a solid is extracted at a ratio of 1:2.5 (AS1289.4.3.1), pH is measured in the extract.
INORG-002	Conductivity and Salinity - measured using a conductivity cell at 25°C. Soil results reported from a 1:5 Soil:Water extract unless otherwise specified. Please note Resistivity is estimated by calculation and may not correlate with results otherwise obtained using the Resistivity current method (based on AS 1289.4.4.1), depending on the nature of the soil being analysed.
INORG-006	Alkalinity - determined titrimetrically based on APHA latest edition 2320-B. Solids reported from a 1:5 water extract unless otherwise specified. Total Carbon Dioxide - determined by calculation in accordance with APHA latest edition,4500-CO2 D.
INORG-014	Cyanide - free, total, weak acid dissociable by segmented flow analyser (in line dialysis with colourimetric finish). Solids/Filters and sorbents are extracted in a caustic media prior to analysis. Impingers are pH adjusted as required prior to analysis. Cyanides amenable to Chlorination - samples are analysed untreated and treated with hypochlorite to assess the potential for chlorination of cyanide forms.
INORG-018	Total Dissolved Solids - determined gravimetrically. The solids are dried at 180±10°C. NOTE: Where the EC of the sample is <100µS/cm, the TDS will typically be below 70mg/L (as the sample is very likely to be at least drinking water quality). Therefore to ensure data quality for TDS, the TDS is typically calculated as per the equation: TDS = EC*0.6
INORG-040	The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 15% i.e. total anions = total cations +/-15%.
INORG-055	Nitrate/Nitrite/NOx/TKN - determined colourimetrically. Waters samples are filtered on receipt prior to analysis. Soils/solids are analysed following a water extraction.
INORG-081	Anions determined by Ion Chromatography. Waters samples are filtered on receipt prior to analysis. Solids are analysed from a water extract. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
METALS-020	Determination of various metals by ICP-OES. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
METALS-021	Determination of Mercury by Cold Vapour AAS.
METALS-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.

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Result Definitions

Identifier	Description
NR	Not reported
NEPM	National Environment Protection Measure
NS	Not specified
LCS	Laboratory Control Sample
RPD	Relative Percent Difference
>	Greater than
<	Less than
PQL	Practical Quantitation Limit
INS	Insufficient sample for this test
NA	Test not required
NT	Not tested
DOL	Samples rejected due to particulate overload (air filters only)
RFD	Samples rejected due to filter damage (air filters only)
RUD	Samples rejected due to uneven deposition (air filters only)
##	Indicates a laboratory acceptance criteria outlier, for further details, see Result Comments and/or QC Comments

Quality Control Definitions

Blank

This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, and is determined by processing solvents and reagents in exactly the same manner as for samples.

Surrogate Spike

Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

LCS (Laboratory Control Sample)

This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Matrix Spike

A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

Duplicate

This is the complete duplicate analysis of a sample from the process batch. The sample selected should be one where the analyte concentration is easily measurable.

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Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria. Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction. Spikes for Physical and Aggregate Tests are not applicable. For VOCs in water samples, three vials are required for duplicate or spike analysis.

General Acceptance Criteria (GAC) - Analyte specific criteria applies for some analytes and is reflected in QC recovery tables.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% - see ELN-P05 QAQC tables for details (available on request); <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase. Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was typically insufficient in order to satisfy laboratory QA/QC protocols.

Miscellaneous Information

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached. We have taken the sampling date as being the date received at the laboratory.

Two significant figures are reported for the majority of tests and with a high degree of confidence, for results <10*PQL, the second significant figure may be in doubt i.e. has a relatively high degree of uncertainty and is provided for information only.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS where sediment/solids are included by default.

Urine Analysis - The BEI values listed are taken from the 2022 edition of *TLVs and BEIs Threshold Limits by ACGIH*.

Air volume measurements are not covered by Envirolab's NATA accreditation.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from the latest "Australian Drinking Water Guidelines", published by NHMRC. No guideline values have been set for Total Coliforms in drinking water. Increased concentrations should be investigated. Total Coliforms are not considered useful as indicators of the presence of faecal contamination.

Where we have provided guideline values eg. ADWG Health Value, it is the responsibility of the reader to decide if the water is fit for consumption. Please note that the tests we have conducted are just a selection of common tests to give you a general idea of drinking water quality. There are many other tests included in the ADWG that we have not tested for.

Data Quality Assessment Summary PGD0272

Client Details

Client	Warriedar Resources Ltd
Your Reference	Golden Range Project
Date Issued	10/04/2025

Recommended Holding Time Compliance

Recommended holding time exceedances exist - See detailed list below

Quality Control and QC Frequency

QC Type	Compliant	Details
Blank	Yes	No Outliers
LCS	Yes	No Outliers
Duplicates	Yes	No Outliers
Matrix Spike	No	Matrix Spike Outliers Exist - See detailed list below
Surrogates / Extracted Internal Standards	Yes	No Outliers
QC Frequency	Yes	No Outliers

Surrogates/Extracted Internal Standards, Duplicates and/or Matrix Spikes are not always relevant/applicable to certain analyses and matrices. Therefore, said QC measures are deemed compliant in these situations by default. See Laboratory Acceptance Criteria for more information

Data Quality Assessment Summary PGD0272

Recommended Holding Time Compliance

Analysis	Sample Number(s)	Date Sampled	Date Extracted	Date Analysed	Compliant
Dissolved Metals Water	20-21	01/04/2025	07/04/2025	09/04/2025	Yes
Dissolved Metals (LL) Water	1-21	01/04/2025	07/04/2025	07/04/2025	Yes
Dissolved Metals (LL)-Hg Water	1-9	01/04/2025	07/04/2025	07/04/2025	Yes
	10-21	01/04/2025	07/04/2025	08/04/2025	Yes
EC Water	1-21	01/04/2025	03/04/2025	03/04/2025	Yes
pH Water	1-21	01/04/2025	03/04/2025	03/04/2025	No
TDS Water	1-21	01/04/2025	04/04/2025	04/04/2025	Yes
Alkalinity Suite Water	20-21	01/04/2025	03/04/2025	03/04/2025	Yes
Chloride Water	20-21	01/04/2025	04/04/2025	04/04/2025	Yes
Dissolved Cations Water	1-10, 12-21	01/04/2025	07/04/2025	09/04/2025	Yes
	11	01/04/2025	07/04/2025	10/04/2025	Yes
Ion Balance Water	20-21	01/04/2025	03/04/2025	10/04/2025	Yes
Sulfate Water	1-21	01/04/2025	04/04/2025	04/04/2025	Yes
Nitrogen - Nitrate Water	1-21	01/04/2025	04/04/2025	04/04/2025	Yes
Nitrogen - Nitrite Water	1-12, 14-15, 17-21	01/04/2025	04/04/2025	04/04/2025	No
	13, 16	01/04/2025	04/04/2025	08/04/2025	No
Cyanide - WAD Water	1-19	01/04/2025	03/04/2025	03/04/2025	Yes

Outliers: Matrix Spike

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGD1143

Sample ID	Analyte	% Limits	% Recovery
PGD0272-09	Boron	70 - 130	##[1]

Quality Control PGD0272

METALS-020 | Dissolved Metals (Water) | Batch BGD1145

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %
				PGD0272-08		PGD0272-17			
				Samp	QC RPD %	Samp	QC RPD %		
Silicon	mg/L	0.10	<0.10	18.3	18.3 0.257	29.6	29.5 0.190	117	76.7

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGD1143

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %
				PGD0272-08		PGD0272-17			
				Samp	QC RPD %	Samp	QC RPD %		
Aluminium	µg/L	10	<10	<10	<10 [NA]	<10	<10 [NA]	90.7	97.0
Antimony	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	101	106
Arsenic	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	1.75	1.78 [NA]	98.0	100
Barium	µg/L	1.0	<1.0	3.71	3.66 [NA]	15.5	15.3 0.935	107	106
Beryllium	µg/L	0.50	<0.50	<0.50	<0.50 [NA]	<0.50	<0.50 [NA]	114	119
Boron	µg/L	20	<20	574	612 6.41	391	394 0.934	98.6	#[1]
Cadmium	µg/L	0.10	<0.10	<0.10	<0.10 [NA]	<0.10	<0.10 [NA]	103	101
Chromium	µg/L	1.0	<1.0	9.60	9.79 2.02	10.1	10.1 0.466	96.2	95.8
Cobalt	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	94.9	94.5
Copper	µg/L	1.0	<1.0	1.31	1.35 [NA]	1.09	1.16 [NA]	94.4	93.3
Iron	µg/L	10	<10	<10	<10 [NA]	<10	<10 [NA]	99.4	97.4
Lead	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	96.5	94.6
Manganese	µg/L	1.0	<1.0	6.87	7.11 3.41	5.76	5.95 3.28	98.2	97.8
Molybdenum	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	103	112
Nickel	µg/L	1.0	<1.0	1.12	1.20 [NA]	5.14	5.20 1.26	94.0	92.8
Selenium	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	102	101
Strontium	µg/L	1.0	<1.0	124	125 1.05	84.9	85.9 1.16	103	101
Titanium	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	95.7	97.9
Vanadium	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	97.5	98.4
Zinc	µg/L	1.0	<1.0	5.39	5.41 0.352	6.14	6.33 2.98	102	97.2

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGD1149

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %
				BGD1149-DUP1#		BGD1149-DUP2#			
				Samp	QC RPD %	Samp	QC RPD %		
Aluminium	µg/L	10	<10	<10	<10 [NA]	<10	<10 [NA]	100	106
Antimony	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	101	101
Arsenic	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	1.34	1.33 [NA]	101	107
Cadmium	µg/L	0.10	<0.10	<0.10	<0.10 [NA]	<0.10	<0.10 [NA]	105	101
Chromium	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	102	100
Cobalt	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	101	96.6
Copper	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	103	98.0
Lead	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	101	95.8
Nickel	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	4.50	4.68 [NA]	102	96.3
Selenium	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	105	109
Titanium	µg/L	1.0	<1.0	<1.0	<1.0 [NA]	<1.0	<1.0 [NA]	101	99.2
Zinc	µg/L	1.0	<1.0	1.71	1.81 [NA]	<1.0	<1.0 [NA]	103	99.1

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGD1150

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %
				BGD1150-DUP1#		BGD1150-DUP2#			
				Samp	QC RPD %	Samp	QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050	<0.050 [NA]	<0.050	<0.050 [NA]	109	108

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGD0272

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGD1324

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGD1324-DUP1# Samp QC RPD %	PGD0272-18 Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	<0.050 <0.050 [NA]	109	110

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGD0775

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGD0272-01 Samp QC RPD %	PGD0272-11 Samp QC RPD %	
pH	pH units		5.7	7.3 7.3 0.137	5.2 5.3 0.190	102
Electrical Conductivity	µS/cm	2.0	<2.0	1430 1420 0.407	32500 32300 0.803	106

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGD0776

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGD0272-21 Samp QC RPD %	BGD0776-DUP2# Samp QC RPD %	
pH	pH units		5.6	8.0 8.0 0.125	8.3 8.3 0.00	102
Electrical Conductivity	µS/cm	2.0	<2.0	1650 1640 0.176	747 748 0.0401	105

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGD0804

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGD0272-01 Samp QC RPD %	PGD0272-11 Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	806 791 1.88	20000 19900 0.802	110

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGD0969

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGD0969-DUP1# Samp QC RPD %	BGD0969-DUP2# Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	735 740 0.678	412 397 3.71	100

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-006 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGD0775

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGD0272-01 Samp QC RPD %	PGD0272-11 Samp QC RPD %	
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	146 146 0.0547	11.2 11.2 [NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	146 146 0.0553	11.2 11.2 [NA]	86.7

INORG-006 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGD0776

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGD0272-21 Samp QC RPD %	BGD0776-DUP2# Samp QC RPD %	
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	228 246 7.67	84.4 84.6 0.284	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	228 246 7.67	89.1 89.0 0.0908	84.6

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGD0914

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGD0272-01 Samp QC RPD %	PGD0272-11 Samp QC RPD %		
Sulfate	mg/L	1.0	<1.0	30.9 31.0 0.400	2220 2220 0.129	94.0	106

Quality Control PGD0272

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGD0915

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				BGD0915-DUP1#			BGD0915-DUP2#				
				Samp	QC	RPD %	Samp	QC	RPD %		
Chloride	mg/L	1.0	<1.0	213	212	0.412	18.0	18.0	0.0769	98.1	95.6
Sulfate	mg/L	1.0	<1.0	5.48	5.55	1.20	5.88	5.82	0.877	94.6	123

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGD1144

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				BGD1144-DUP1#			BGD1144-DUP2#				
				Samp	QC	RPD %	Samp	QC	RPD %		
Calcium	mg/L	0.50	<0.50	50.5	50.4	0.141	143	143	0.0210	106	97.8
Magnesium	mg/L	0.50	<0.50	48.9	48.4	0.952	10.9	11.0	0.988	103	99.5
Potassium	mg/L	0.50	<0.50	8.24	8.19	0.698	13.9	14.0	0.251	104	102
Sodium	mg/L	0.50	<0.50	122	122	0.467	131	131	0.374	101	92.3
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	327	325	0.639	402	403	0.129	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGD1145

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				PGD0272-08			PGD0272-17				
				Samp	QC	RPD %	Samp	QC	RPD %		
Calcium	mg/L	0.50	<0.50	11.3	11.2	1.17	5.94	5.93	0.199	107	100
Magnesium	mg/L	0.50	<0.50	21.0	20.9	0.477	15.2	15.2	0.0394	105	96.3
Potassium	mg/L	0.50	<0.50	15.7	15.7	0.280	10.9	10.8	0.876	105	100
Sodium	mg/L	0.50	<0.50	138	137	0.719	97.4	96.9	0.504	99.5	92.0
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	115	114	0.648	77.5	77.5	0.00612	[NA]	[NA]

INORG-055 | Inorganics - Nutrients (Water) | Batch BGD0879

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				BGD0879-DUP1#			BGD0879-DUP2#				
				Samp	QC	RPD %	Samp	QC	RPD %		
Nitrate as N	mg/L	0.0050	<0.0050	<0.050	<0.050	[NA]	<0.0050	<0.0050	[NA]	101	114
Nitrate as NO3 by calculation	mg/L	0.020	<0.020							[NA]	[NA]
Nitrite as N	mg/L	0.0050	<0.0050	<0.050	<0.050	[NA]	<0.0050	<0.0050	[NA]	102	129
Nitrite as NO2 by calculation	mg/L	0.020	<0.020							[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Nutrients (Water) | Batch BGD0914

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				PGD0272-01			PGD0272-11				
				Samp	QC	RPD %	Samp	QC	RPD %		
Nitrate as N	mg/L	0.10	<0.10	8.65	8.68	0.285	11.0	10.9	0.256	89.2	102
Nitrate as NO3 by calc	mg/L	0.50	<0.50							[NA]	[NA]
Nitrite as N	mg/L	0.10	<0.10	<0.10	<0.10	[NA]	<2.0	<2.0	[NA] [2]	94.3	101
Nitrite as NO2 by calc	mg/L	0.50	<0.50							[NA]	[NA]

INORG-014 | Inorganics - Cyanide Species and Similar (Water) | Batch BGD0690

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				PGD0272-01			PGD0272-12				
				Samp	QC	RPD %	Samp	QC	RPD %		
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	[NA]	<0.0040	<0.0040	[NA]	109	86.4

Quality Control PGD0272

QC Comments

Identifier	Description
[1]	Spike recovery is not applicable due to the relatively high analyte background in the sample (>3* spike level). However, the LCS recovery is within acceptance criteria.
[2]	PQL(s) has/have been raised due to the high concentration of analyte(s) in the sample, resulting in the sample requiring a dilution.



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Certificate of Analysis PGG1234

Client Details

Client Warriedar Resources Ltd
Contact [REDACTED]
Address Suite 3, 41-47 Colin St, WEST PERTH, WA, 6005

Sample Details

Your Reference Golden Range Project
Number of Samples 21 Water
Date Samples Received 21/07/2025
Date Instructions Received 21/07/2025

Analysis Details

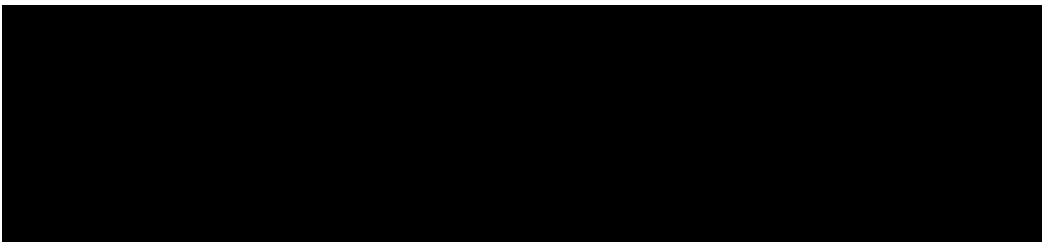
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

Report Details

Date Final Results Expected 04/08/2025
Date of Issue 01/08/2025

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Authorisation Details



Certificate of Analysis PGG1234

Samples in this Report

Envirolab ID	Sample ID	Matrix	Date Sampled	Date Received
PGG1234-01	T1-D	Water	20/07/2025	21/07/2025
PGG1234-02	T3-D	Water	20/07/2025	21/07/2025
PGG1234-03	T4-D	Water	20/07/2025	21/07/2025
PGG1234-04	T5-D	Water	20/07/2025	21/07/2025
PGG1234-05	T6-D	Water	20/07/2025	21/07/2025
PGG1234-06	T8-D	Water	20/07/2025	21/07/2025
PGG1234-07	T9-D	Water	20/07/2025	21/07/2025
PGG1234-08	T10-D	Water	20/07/2025	21/07/2025
PGG1234-09	T11-D	Water	20/07/2025	21/07/2025
PGG1234-10	T12-D	Water	20/07/2025	21/07/2025
PGG1234-11	T12-S	Water	20/07/2025	21/07/2025
PGG1234-12	T13-D	Water	20/07/2025	21/07/2025
PGG1234-13	T14-D	Water	20/07/2025	21/07/2025
PGG1234-14	T15-D	Water	20/07/2025	21/07/2025
PGG1234-15	T16-D	Water	20/07/2025	21/07/2025
PGG1234-16	T17-D	Water	20/07/2025	21/07/2025
PGG1234-17	T18	Water	20/07/2025	21/07/2025
PGG1234-18	T19	Water	20/07/2025	21/07/2025
PGG1234-19	T20	Water	20/07/2025	21/07/2025
PGG1234-20	M1-North	Water	20/07/2025	21/07/2025
PGG1234-21	M1-South	Water	20/07/2025	21/07/2025

Sample Comments

General Comment Free ice water was found to be surrounding samples within the esky(ies) provided; there is the potential for cross contamination.

Certificate of Analysis PGG1234

Dissolved Metals (Water)

Envirolab ID	Units	PQL	PGG1234-20	PGG1234-21
Your Reference			M1-North	M1-South
Date Sampled			20/07/2025	20/07/2025
Silicon	mg/L	0.10	8.9	14

Certificate of Analysis PGG1234

Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGG1234-01	PGG1234-02	PGG1234-03	PGG1234-04	PGG1234-05
Your Reference			Health	T1-D	T3-D	T4-D	T5-D	T6-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Aluminium	µg/L	10		<10	86	<10	<10	<10
Arsenic	µg/L	1.0		4.1	1.2	1.4	<1.0	4.8
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	0.50	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		2.9	1400	18	1.3	3.2
Chromium	µg/L	1.0		12	1.0	12	1.1	2.5
Copper	µg/L	1.0		<1.0	34	<1.0	<1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		1.1	63	1.4	<1.0	<1.0
Lead	µg/L	1.0		<1.0	1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	3.8	1.9	<1.0	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		1.8	47	5.2	<1.0	2.6

Envirolab ID	Units	PQL	ADWG	PGG1234-06	PGG1234-07	PGG1234-08	PGG1234-09	PGG1234-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Aluminium	µg/L	10		<10	<10	<10	<10	69
Arsenic	µg/L	1.0		8.4	1.2	<1.0	1.5	1.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	0.60
Cobalt	µg/L	1.0		<1.0	1.1	<1.0	7.3	680
Chromium	µg/L	1.0		7.8	17	9.5	<1.0	1.7
Copper	µg/L	1.0		<1.0	1.1	<1.0	<1.0	1.4
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		<1.0	1.5	<1.0	<1.0	100
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		<1.0	18	7.2	1.6	16

Certificate of Analysis PGG1234

Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGG1234-11	PGG1234-12	PGG1234-13	PGG1234-14	PGG1234-15
Your Reference			Health	T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Aluminium	µg/L	10		280	<10	<10	<10	<10
Arsenic	µg/L	1.0		11	<1.0	<1.0	1.0	<1.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		6.6	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		3400	<1.0	210	<1.0	<1.0
Chromium	µg/L	1.0		2.7	5.5	1.5	11	<1.0
Copper	µg/L	1.0		15	<1.0	1.5	<1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		2.8 [5]	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		1000	<1.0	2.7	1.9	2.2
Lead	µg/L	1.0		9.6	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		1.9	<1.0	2.0	1.5	1.1
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		160	5.2	14	8.1	8.2

Envirolab ID	Units	PQL	ADWG	PGG1234-16	PGG1234-17	PGG1234-18	PGG1234-19	PGG1234-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		<1.0	1.8	<1.0	1.3	56
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	870
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	4.8
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	<0.50
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	µg/L	1.0		16	10	<1.0	<1.0	3.2
Copper	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	<10
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	<1.0
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	1.3
Nickel	µg/L	1.0		<1.0	4.6	3.0	<1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	[NA]
Selenium	µg/L	1.0		1.5	<1.0	<1.0	1.6	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	130
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	1.2
Zinc	µg/L	1.0		4.5	5.3	17	<1.0	<1.0

Certificate of Analysis PGG1234

Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGG1234-21
Your Reference			Health	M1-South
Date Sampled			Value	20/07/2025
Aluminium	µg/L	10		<10
Arsenic	µg/L	1.0		18
Boron	µg/L	20	4000	820
Barium	µg/L	1.0	2000	14
Beryllium	µg/L	0.50		<0.50
Cadmium	µg/L	0.10		<0.10
Cobalt	µg/L	1.0		1.6
Chromium	µg/L	1.0		5.6
Copper	µg/L	1.0		<1.0
Iron	µg/L	10		<10
Mercury	µg/L	0.050		<0.050
Manganese	µg/L	1.0		12
Molybdenum	µg/L	1.0		4.5
Nickel	µg/L	1.0		<1.0
Lead	µg/L	1.0		<1.0
Antimony	µg/L	1.0		[NA]
Selenium	µg/L	1.0		<1.0
Strontium	µg/L	1.0		98
Titanium	µg/L	1.0		<1.0
Vanadium	µg/L	1.0		7.6
Zinc	µg/L	1.0		<1.0

Certificate of Analysis PGG1234

Inorganics - Physical Parameters (Water)

Envirolab ID	Units	PQL	ADWG	PGG1234-01	PGG1234-02	PGG1234-03	PGG1234-04	PGG1234-05
Your Reference			Health	T1-D	T3-D	T4-D	T5-D	T6-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
pH	pH units		6.5-8.5	7.3	7.0	7.4	7.7	7.6
Electrical Conductivity	µS/cm	2.0		1100	17000	1400	690	1300
Total Dissolved Solids	mg/L	5.0	600	800	11000	1300 [1]	690 [1]	830

Envirolab ID	Units	PQL	ADWG	PGG1234-06	PGG1234-07	PGG1234-08	PGG1234-09	PGG1234-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
pH	pH units		6.5-8.5	8.0	7.2	7.3	7.5	6.1
Electrical Conductivity	µS/cm	2.0		1000	420	500	820	3300
Total Dissolved Solids	mg/L	5.0	600	770	500 [1]	590 [1]	550	2600

Envirolab ID	Units	PQL	ADWG	PGG1234-11	PGG1234-12	PGG1234-13	PGG1234-14	PGG1234-15
Your Reference			Health	T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
pH	pH units		6.5-8.5	5.5	7.7	7.5	7.4	7.1
Electrical Conductivity	µS/cm	2.0		21000	1400	2100	1100	1800
Total Dissolved Solids	mg/L	5.0	600	16000	1100	1500	680	1500 [1]

Envirolab ID	Units	PQL	ADWG	PGG1234-16	PGG1234-17	PGG1234-18	PGG1234-19	PGG1234-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
pH	pH units		6.5-8.5	7.3	6.9	6.6	7.5	7.6
Electrical Conductivity	µS/cm	2.0		1600	610	320	980	990
Total Dissolved Solids	mg/L	5.0	600	1000	350	450 [1]	560	560

Envirolab ID	Units	PQL	ADWG	PGG1234-21
Your Reference			Health	M1-South
Date Sampled			Value	20/07/2025
pH	pH units		6.5-8.5	7.8
Electrical Conductivity	µS/cm	2.0		1200
Total Dissolved Solids	mg/L	5.0	600	670

Certificate of Analysis PGG1234

Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGG1234-01	PGG1234-02	PGG1234-03	PGG1234-04	PGG1234-05
Your Reference			T1-D	T3-D	T4-D	T5-D	T6-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	25	1400	130	24	45
Calcium	mg/L	0.50	8.5	550	28	5.5	8.8
Magnesium	mg/L	0.50	25	360	43	8.6	20
Potassium	mg/L	0.50	20	100	27	6.8	12
Sodium	mg/L	0.50	200	2500	360	92	150
Hardness (calc) equivalent CaCO3	mg/L	3.0	120	2900	250	49	100
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGG1234-06	PGG1234-07	PGG1234-08	PGG1234-09	PGG1234-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	23	30	33	45	300
Calcium	mg/L	0.50	2.6	10	11	10	160
Magnesium	mg/L	0.50	11	15	21	29	210
Potassium	mg/L	0.50	12	8.5	11	15	61
Sodium	mg/L	0.50	180	91	130	170	930
Hardness (calc) equivalent CaCO3	mg/L	3.0	50	86	110	140	1300
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGG1234-11	PGG1234-12	PGG1234-13	PGG1234-14	PGG1234-15
Your Reference			T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	2200	61	200	150	230

Certificate of Analysis PGG1234

Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGG1234-11	PGG1234-12	PGG1234-13	PGG1234-14	PGG1234-15
Your Reference			T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Calcium	mg/L	0.50	970	8.6	50	25	22
Magnesium	mg/L	0.50	710	16	97	42	42
Potassium	mg/L	0.50	130	13	35	25	23
Sodium	mg/L	0.50	4600	170	460	380	370
Hardness (calc) equivalent CaCO3	mg/L	3.0	5400	85	520	230	230
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGG1234-16	PGG1234-17	PGG1234-18	PGG1234-19	PGG1234-20
Your Reference			T17-D	T18	T19	T20	M1-North
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	180
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	180
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	310
Sulfate	mg/L	1.0	100	31	6.8	19	84
Calcium	mg/L	0.50	20	5.6	1.9	2.8	15
Magnesium	mg/L	0.50	29	14	4.5	11	35
Potassium	mg/L	0.50	16	9.6	2.3	6.9	19
Sodium	mg/L	0.50	250	89	29	120	240
Hardness (calc) equivalent CaCO3	mg/L	3.0	170	72	23	54	180
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	1.9

Envirolab ID	Units	PQL	PGG1234-21
Your Reference			M1-South
Date Sampled			20/07/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	210
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	210
Chloride	mg/L	1.0	270
Sulfate	mg/L	1.0	66
Calcium	mg/L	0.50	16
Magnesium	mg/L	0.50	30
Potassium	mg/L	0.50	16
Sodium	mg/L	0.50	210
Hardness (calc) equivalent CaCO3	mg/L	3.0	160
Ionic Balance	%		-0.79

Certificate of Analysis PGG1234

Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGG1234-01	PGG1234-02	PGG1234-03	PGG1234-04	PGG1234-05
Your Reference			Health	T1-D	T3-D	T4-D	T5-D	T6-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		8.2	32	15	1.5	3.5
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	36	140	65	6.5	16
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGG1234-06	PGG1234-07	PGG1234-08	PGG1234-09	PGG1234-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		5.7	6.7	8.5	8.2	12
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	25	29	38	36	51
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<1.0 [3]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<5.0 [3]
Envirolab ID	Units	PQL	ADWG	PGG1234-11	PGG1234-12	PGG1234-13	PGG1234-14	PGG1234-15
Your Reference			Health	T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		8.4	3.2	3.5	9.7	3.5
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	37	14	16	43	16
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<2.0 [3]	<0.10	<0.10	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<10 [3]	<0.50	<0.50	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGG1234-16	PGG1234-17	PGG1234-18	PGG1234-19	PGG1234-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	1.9
Nitrate as N	mg/L	0.10		7.3	6.1	2.0	3.8	[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	8.6
Nitrate as NO3 by calc	mg/L	0.50	50	32	27	8.9	17	[NA]
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	<0.0050
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	[NA]

Certificate of Analysis PGG1234

Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGG1234-16	PGG1234-17	PGG1234-18	PGG1234-19	PGG1234-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	<0.020
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	[NA]

Envirolab ID	Units	PQL	ADWG	PGG1234-21
Your Reference			Health	M1-South
Date Sampled			Value	20/07/2025
Nitrate as N	mg/L	0.0050		2.4
Nitrate as N	mg/L	0.10		[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	10
Nitrate as NO3 by calc	mg/L	0.50	50	[NA]
Nitrite as N	mg/L	0.0050		<0.0050
Nitrite as N	mg/L	0.10		[NA]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	<0.020
Nitrite as NO2 by calc	mg/L	0.50		[NA]

Certificate of Analysis PGG1234

Inorganics - Cyanide Species and Similar (Water) - Analysed By Envirolab Services Melbourne

Envirolab ID	Units	PQL	PGG1234-01	PGG1234-02	PGG1234-03	PGG1234-04	PGG1234-05
Your Reference			T1-D	T3-D	T4-D	T5-D	T6-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGG1234-06	PGG1234-07	PGG1234-08	PGG1234-09	PGG1234-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGG1234-11	PGG1234-12	PGG1234-13	PGG1234-14	PGG1234-15
Your Reference			T12-S	T13-D	T14-D	T15-D	T16-D
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025	20/07/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGG1234-16	PGG1234-17	PGG1234-18	PGG1234-19
Your Reference			T17-D	T18	T19	T20
Date Sampled			20/07/2025	20/07/2025	20/07/2025	20/07/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Certificate of Analysis PGG1234

Result Comments

Identifier	Description
[1]	Some EC to TDS ratios are outside normal expected values. Results were confirmed.
[3]	PQL(s) has/have been raised due to the high concentration of analyte(s) in the sample, resulting in the sample requiring a dilution.
[5]	Result confirmed through re-analysis

Certificate of Analysis PGG1234

Method Summary

Method ID	Methodology Summary
INORG-001	pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis can be completed outside of the recommended holding times. Solids are reported from a 1:5 water extract unless otherwise specified. Alternatively, pH is determined in a 1:5 extract using 0.01M calcium chloride or a solid is extracted at a ratio of 1:2.5 (AS1289.4.3.1), pH is measured in the extract.
INORG-002	Conductivity and Salinity - measured using a conductivity cell at 25°C. Soil results reported from a 1:5 Soil:Water extract unless otherwise specified. Please note Resistivity is estimated by calculation and may not correlate with results otherwise obtained using the Resistivity current method (based on AS 1289.4.4.1), depending on the nature of the soil being analysed. Blanks may yield EC readings >1µS/cm, this is likely due to adsorption of Carbon Dioxide while the blank sample is sat on the instrument autosampler prior to analysis. The values are generally insignificant (<5µS/cm) compared to most actual sample conductivities.
INORG-006	Alkalinity - determined titrimetrically based on APHA latest edition 2320-B. Solids reported from a 1:5 water extract unless otherwise specified. Total Carbon Dioxide - determined by calculation in accordance with APHA latest edition,4500-CO2 D.
INORG-014	Cyanide - free, total, weak acid dissociable by segmented flow analyser (in line dialysis with colourimetric finish). Solids/Filters and sorbents are extracted in a caustic media prior to analysis. Impingers are pH adjusted as required prior to analysis. Cyanides amenable to Chlorination - samples are analysed untreated and treated with hypochlorite to assess the potential for chlorination of cyanide forms.
INORG-018	Total Dissolved Solids - determined gravimetrically. The solids are dried at 180±10°C. NOTE: Where the EC of the sample is <100µS/cm, the TDS will typically be below 70mg/L (as the sample is very likely to be at least drinking water quality). Therefore to ensure data quality for TDS, the TDS is typically calculated as per the equation: $TDS = EC * 0.6$
INORG-040	The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 15% i.e. total anions = total cations +/-15%.
INORG-055	Nitrate/Nitrite/NOx/TKN - determined colourimetrically. Waters samples are filtered on receipt prior to analysis. Soils/solids are analysed following a water extraction.
INORG-081	Anions determined by Ion Chromatography. Waters samples are filtered on receipt prior to analysis. Solids are analysed from a water extract. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
METALS-020	Determination of various metals by ICP-OES. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
METALS-021	Determination of Mercury by Cold Vapour AAS.
METALS-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.

Certificate of Analysis PGG1234

Result Definitions

Identifier	Description
NR	Not reported
NEPM	National Environment Protection Measure
NS	Not specified
LCS	Laboratory Control Sample
RPD	Relative Percent Difference
>	Greater than
<	Less than
PQL	Practical Quantitation Limit
INS	Insufficient sample for this test
NA	Test not required
NT	Not tested
DOL	Samples rejected due to particulate overload (air filters only)
RFD	Samples rejected due to filter damage (air filters only)
RUD	Samples rejected due to uneven deposition (air filters only)
##	Indicates a laboratory acceptance criteria outlier, for further details, see Result Comments and/or QC Comments

Quality Control Definitions

Blank

This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, and is determined by processing solvents and reagents in exactly the same manner as for samples.

Surrogate Spike

Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

LCS (Laboratory Control Sample)

This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Matrix Spike

A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

Duplicate

This is the complete duplicate analysis of a sample from the process batch. The sample selected should be one where the analyte concentration is easily measurable.

Certificate of Analysis PGG1234

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria. Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction. Spikes for Physical and Aggregate Tests are not applicable. For VOCs in water samples, three vials are required for duplicate or spike analysis.

General Acceptance Criteria (GAC) - Analyte specific criteria applies for some analytes and is reflected in QC recovery tables.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% - see ELN-P05 QAQC tables for details (available on request); <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase. Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was typically insufficient in order to satisfy laboratory QA/QC protocols.

Miscellaneous Information

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached. We have taken the sampling date as being the date received at the laboratory.

Two significant figures are reported for the majority of tests and with a high degree of confidence, for results <10*PQL, the second significant figure may be in doubt i.e. has a relatively high degree of uncertainty and is provided for information only.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS where sediment/solids are included by default.

Urine Analysis - The BEI values listed are taken from the 2022 edition of *TLVs and BEIs Threshold Limits by ACGIH*.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volume(s) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from the latest "Australian Drinking Water Guidelines", published by NHMRC. No guideline values have been set for Total Coliforms in drinking water. Increased concentrations should be investigated. Total Coliforms are not considered useful as indicators of the presence of faecal contamination.

Where we have provided guideline values eg. ADWG Health Value, it is the responsibility of the reader to decide if the water is fit for consumption. Please note that the tests we have conducted are just a selection of common tests to give you a general idea of drinking water quality. There are many other tests included in the ADWG that we have not tested for.

Data Quality Assessment Summary PGG1234

Client Details

Client	Warriedar Resources Ltd
Your Reference	Golden Range Project
Date Issued	01/08/2025

Recommended Holding Time Compliance

Recommended holding time exceedances exist - See detailed list below

Quality Control and QC Frequency

QC Type	Compliant	Details
Blank	Yes	No Outliers
LCS	Yes	No Outliers
Duplicates	Yes	No Outliers
Matrix Spike	No	Matrix Spike Outliers Exist - See detailed list below
Surrogates / Extracted Internal Standards	Yes	No Outliers
QC Frequency	Yes	No Outliers

Surrogates/Extracted Internal Standards, Duplicates and/or Matrix Spikes are not always relevant/applicable to certain analyses and matrices. Therefore, said QC measures are deemed compliant in these situations by default. See Laboratory Acceptance Criteria for more information

Data Quality Assessment Summary PGG1234

Recommended Holding Time Compliance

Analysis	Sample Number(s)	Date Sampled	Date Extracted	Date Analysed	Compliant
Dissolved Metals Water	20-21	20/07/2025	28/07/2025	30/07/2025	Yes
Dissolved Metals (LL) Water	1-16	20/07/2025	25/07/2025	30/07/2025	Yes
	17-19	20/07/2025	28/07/2025	29/07/2025	Yes
	20-21	20/07/2025	28/07/2025	30/07/2025	Yes
Dissolved Metals (LL)-Hg Water	11	20/07/2025	30/07/2025	01/08/2025	Yes
	1-10, 12-21	20/07/2025	30/07/2025	30/07/2025	Yes
EC Water	1-19	20/07/2025	22/07/2025	22/07/2025	Yes
	20-21	20/07/2025	22/07/2025	23/07/2025	Yes
pH Water	1-19	20/07/2025	22/07/2025	22/07/2025	No
	20-21	20/07/2025	22/07/2025	23/07/2025	No
TDS Water	1-21	20/07/2025	22/07/2025	22/07/2025	Yes
Alkalinity Suite Water	20-21	20/07/2025	22/07/2025	23/07/2025	Yes
Chloride Water	20-21	20/07/2025	22/07/2025	22/07/2025	Yes
Dissolved Cations Water	1-16	20/07/2025	25/07/2025	30/07/2025	Yes
	17-21	20/07/2025	28/07/2025	30/07/2025	Yes
Ion Balance Water	20-21	20/07/2025	22/07/2025	01/08/2025	Yes
Sulfate Water	1, 3-9, 12-21	20/07/2025	22/07/2025	22/07/2025	Yes
	2, 10-11	20/07/2025	22/07/2025	28/07/2025	Yes
Nitrogen - Nitrate Water	1, 3-9, 12-21	20/07/2025	22/07/2025	22/07/2025	Yes
	2, 10-11	20/07/2025	22/07/2025	28/07/2025	Yes
Nitrogen - Nitrite Water	1, 3-9, 12-21	20/07/2025	22/07/2025	22/07/2025	Yes
	2, 10-11	20/07/2025	22/07/2025	28/07/2025	Yes
Cyanide - WAD Water	1-10	20/07/2025	28/07/2025	28/07/2025	Yes
	11-19	20/07/2025	28/07/2025	29/07/2025	Yes

Data Quality Assessment Summary PGG1234

Outliers: Matrix Spike

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGG3731

Sample ID	Analyte	% Limits	% Recovery
PGG1234-02	Calcium	70 - 130	##[2]
PGG1234-02	Magnesium	70 - 130	##[2]
PGG1234-02	Potassium	70 - 130	##[2]
PGG1234-02	Sodium	70 - 130	##[2]

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGG3730

Sample ID	Analyte	% Limits	% Recovery
PGG1234-02	Cobalt	70 - 130	##[2]

Quality Control PGG1234

METALS-020 | Dissolved Metals (Water) | Batch BGG3840

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-17 Samp QC RPD %	BGG3840-DUP2# Samp QC RPD %		
Silicon	mg/L	0.10	<0.10	6.43 6.73 4.49	17.6 18.0 2.08	102	115

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGG3730

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-01 Samp QC RPD %	PGG1234-11 Samp QC RPD %		
Aluminium	µg/L	10	<10	<10 <10 [NA]	281 285 1.44	99.0	102
Antimony	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	102	125
Arsenic	µg/L	1.0	<1.0	4.12 4.11 [NA]	10.5 10.6 0.284	103	118
Cadmium	µg/L	0.10	<0.10	<0.10 <0.10 [NA]	6.65 6.88 3.40	101	115
Chromium	µg/L	1.0	<1.0	12.0 12.1 0.687	2.68 2.69 [NA]	104	114
Cobalt	µg/L	1.0	<1.0	2.87 2.87 [NA]	3390 3380 0.122	106	##[2]
Copper	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	15.4 14.9 3.57	104	75.1
Lead	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	9.58 9.28 3.18	102	102
Nickel	µg/L	1.0	<1.0	1.06 1.05 [NA]	1040 1030 0.202	103	91.7
Selenium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	1.88 1.96 [NA]	107	114
Titanium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	104	124
Zinc	µg/L	1.0	<1.0	1.83 1.80 [NA]	161 159 1.51	105	77.8

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGG3838

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-17 Samp QC RPD %	BGG3838-DUP2# Samp QC RPD %		
Aluminium	µg/L	10	<10	<10 <10 [NA]	<10 <10 [NA]	90.1	85.1
Antimony	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	101	100
Arsenic	µg/L	1.0	<1.0	1.80 1.76 [NA]	1.12 1.05 [NA]	98.2	98.9
Barium	µg/L	1.0	<1.0	11.6 11.8 1.33	65.6 66.4 1.36	93.4	90.1
Beryllium	µg/L	0.50	<0.50	<0.50 <0.50 [NA]	<0.50 <0.50 [NA]	101	106
Boron	µg/L	20	<20	379 376 0.854	58.4 51.8 [NA]	120	74.2
Cadmium	µg/L	0.10	<0.10	<0.10 <0.10 [NA]	<0.10 <0.10 [NA]	104	102
Chromium	µg/L	1.0	<1.0	10.5 10.6 0.704	<1.0 <1.0 [NA]	93.6	93.2
Cobalt	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	6.98 7.04 0.885	98.8	98.0
Copper	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	94.8	96.4
Iron	µg/L	10	<10	<10 <10 [NA]	3660 3640 0.388	99.0	98.6
Lead	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	98.3	95.2
Manganese	µg/L	1.0	<1.0	4.07 4.18 [NA]	115 116 1.05	87.3	88.0
Molybdenum	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	1.46 1.47 [NA]	96.4	99.1
Nickel	µg/L	1.0	<1.0	4.63 4.55 [NA]	3.13 3.32 [NA]	95.7	94.7
Selenium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	102	103
Strontium	µg/L	1.0	<1.0	76.1 76.2 0.0985	503 521 3.40	92.0	89.8
Titanium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	87.0	86.4
Vanadium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	95.5	96.7
Zinc	µg/L	1.0	<1.0	5.32 5.20 2.38	5.02 5.02 0.00	93.3	90.1

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGG4260

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGG4260-DUP1# Samp QC RPD %	PGG1234-10 Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	<0.050 <0.050 [NA]	102	98.4

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGG1234

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGG4261

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-20 Samp QC RPD %	BGG4261-DUP2# Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	0.0670 0.0680 [NA] [5]	104	95.2

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGG3410

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGG3410-DUP1# Samp QC RPD %	PGG1234-10 Samp QC RPD %	
pH	pH units		5.8	7.3 7.3 0.137	6.1 6.1 0.329	102
Electrical Conductivity	µS/cm	2.0	<2.0	421 421 0.0475	3260 3740 13.7	101

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGG3411

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGG3411-DUP1# Samp QC RPD %	PGG1234-20 Samp QC RPD %	
pH	pH units		5.8	7.8 7.8 0.256	7.6 7.6 0.132	102
Electrical Conductivity	µS/cm	2.0	<2.0	725 723 0.290	987 988 0.0506	100

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGG3419

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGG3419-DUP1# Samp QC RPD %	BGG3419-DUP2# Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	745 720 3.41	923 893 3.30	98.0

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGG3420

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGG1234-05 Samp QC RPD %	PGG1234-15 Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	829 833 0.481	1500 1510 0.465	112

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGG3372

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-01 Samp QC RPD %	PGG1234-11 Samp QC RPD %		
Chloride	mg/L	1.0	<1.0	319 322 0.922	10400 10400 0.143	93.3	98.6
Sulfate	mg/L	1.0	<1.0	25.3 25.5 0.720	2190 2200 0.259	90.7	91.9

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGG3373

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGG3373-DUP1# Samp QC RPD %	BGG3373-DUP2# Samp QC RPD %		
Chloride	mg/L	1.0	<1.0	64.6 64.6 0.0178	858 854 0.417	93.6	108
Sulfate	mg/L	1.0	<1.0	198 198 0.147	54.6 54.2 0.663	91.1	105

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGG1234

INORG-006 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGG3411

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	
				BGG3411-DUP1#	PGG1234-20		
				Samp QC RPD %	Samp QC RPD %		
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	71.5 68.5 4.29	180 172 4.37	[NA]	
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]	
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]	
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	71.5 68.5 4.29	180 172 4.37	99.2	

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGG3731

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-01	PGG1234-11		
				Samp QC RPD %	Samp QC RPD %		
Calcium	mg/L	0.50	<0.50	8.46 8.92 5.26	973 967 0.644	107	##[2]
Magnesium	mg/L	0.50	<0.50	24.6 25.9 5.17	713 710 0.541	111	##[2]
Potassium	mg/L	0.50	<0.50	19.8 20.1 1.49	134 132 1.60	99.0	##[2]
Sodium	mg/L	0.50	<0.50	202 212 4.97	4560 4510 1.21	115	##[2]
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	122 129 5.18	5370 5340 0.588	[NA]	[NA]

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGG3840

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-17	BGG3840-DUP2#		
				Samp QC RPD %	Samp QC RPD %		
Calcium	mg/L	0.50	<0.50	5.56 5.82 4.46	33.8 34.0 0.575	116	106
Magnesium	mg/L	0.50	<0.50	14.2 14.8 4.28	85.1 85.9 0.959	120	105
Potassium	mg/L	0.50	<0.50	9.55 10.2 6.81	4.00 4.10 2.41	112	99.3
Sodium	mg/L	0.50	<0.50	88.6 92.6 4.46	358 363 1.34	106	112
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	72.4 75.6 4.31	435 439 0.884	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Nutrients (Water) | Batch BGG3372

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-01	PGG1234-11		
				Samp QC RPD %	Samp QC RPD %		
Nitrate as N	mg/L	0.10	<0.10	8.17 8.24 0.792	8.43 8.62 [NA]	93.6	105
Nitrate as NO3 by calc	mg/L	0.50	<0.50			[NA]	[NA]
Nitrite as N	mg/L	0.10	<0.10	<0.10 <0.10 [NA]	<2.00 <0.10 [NA]	105	105
Nitrite as NO2 by calc	mg/L	0.50	<0.50			[NA]	[NA]

INORG-055 | Inorganics - Nutrients (Water) | Batch BGG3374

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGG3374-DUP1#	BGG3374-DUP2#		
				Samp QC RPD %	Samp QC RPD %		
Nitrate as N	mg/L	0.0050	<0.0050	<0.0050 <0.0050 [NA]	1.79 1.80 0.509	86.6	97.4
Nitrate as NO3 by calculation	mg/L	0.020	<0.020			[NA]	[NA]
Nitrite as N	mg/L	0.0050	<0.0050	<0.0050 <0.0050 [NA]	<0.0050 <0.0050 [NA]	103	118
Nitrite as NO2 by calculation	mg/L	0.020	<0.020			[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-014 | Inorganics - Cyanide Species and Similar (Water) | Batch BGG3821

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGG3821-DUP1#	PGG1234-02		
				Samp QC RPD %	Samp QC RPD %		
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	31.6 31.6 0.0316	<0.0040 <0.0040 [NA]	91.5	95.0

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGG1234

INORG-014 | Inorganics - Cyanide Species and Similar (Water) | Batch BGG3822

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGG1234-11 Samp QC RPD %	BGG3822-DUP2# Samp QC RPD %		
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040 <0.0040 [NA]	<0.0040 <0.0040 [NA]	110	109

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

QC Comments

Identifier	Description
[2]	Spike recovery is not applicable due to the relatively high analyte background in the sample (>3* spike level). However, the LCS recovery is within acceptance criteria.
[5]	Result confirmed through re-analysis



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Certificate of Analysis PGI1508

Client Details

Client Warriedar Resources Ltd
Contact [REDACTED]
Address Suite 3, 41-47 Colin St, WEST PERTH, WA, 6005

Sample Details

Your Reference Golden Range Project
Number of Samples 21 Water
Date Samples Received 22/09/2025
Date Instructions Received 22/09/2025

Analysis Details

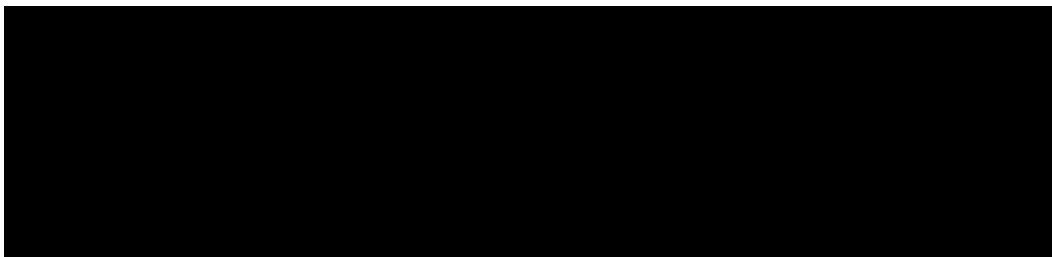
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

Report Details

Date Final Results Expected 30/09/2025
Date of Issue 30/09/2025

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Authorisation Details



Certificate of Analysis PGI1508

Samples in this Report

Envirolab ID	Sample ID	Matrix	Date Sampled	Date Received
PGI1508-01	T1-D	Water	21/09/2025	22/09/2025
PGI1508-02	T2-D	Water	21/09/2025	22/09/2025
PGI1508-03	T3-D	Water	21/09/2025	22/09/2025
PGI1508-04	T4-D	Water	21/09/2025	22/09/2025
PGI1508-05	T6-D	Water	21/09/2025	22/09/2025
PGI1508-06	T8-D	Water	21/09/2025	22/09/2025
PGI1508-07	T9-D	Water	21/09/2025	22/09/2025
PGI1508-08	T10-D	Water	21/09/2025	22/09/2025
PGI1508-09	T11-D	Water	21/09/2025	22/09/2025
PGI1508-10	T12-D	Water	21/09/2025	22/09/2025
PGI1508-11	T13-D	Water	21/09/2025	22/09/2025
PGI1508-12	T14-D	Water	21/09/2025	22/09/2025
PGI1508-13	T15-D	Water	21/09/2025	22/09/2025
PGI1508-14	T16-D	Water	21/09/2025	22/09/2025
PGI1508-15	T17-D	Water	21/09/2025	22/09/2025
PGI1508-16	T18	Water	21/09/2025	22/09/2025
PGI1508-17	T19	Water	21/09/2025	22/09/2025
PGI1508-18	T20	Water	21/09/2025	22/09/2025
PGI1508-19	M1-North	Water	21/09/2025	22/09/2025
PGI1508-20	M1-South	Water	21/09/2025	22/09/2025
PGI1508-21	Office Potable Water	Water	22/09/2025	22/09/2025

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Acid Extractable Low Level Metals (Water)

EnviroLab ID	Units	PQL	ADWG	PGI1508-21
Your Reference			Health	Office Potable Water
Date Sampled			Value	22/09/2025
Aluminium	µg/L	10		<10
Arsenic	µg/L	1.0	10	<1.0
Cadmium	µg/L	0.10	2.0	<0.10
Chromium	µg/L	1.0		1.0
Copper	µg/L	1.0	2000	7.0
Mercury	µg/L	0.050	1.0	<0.050
Nickel	µg/L	1.0	20	<1.0
Lead	µg/L	1.0	5.0	<1.0
Zinc	µg/L	1.0		21

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Dissolved Metals (Water)

Envirolab ID	Units	PQL	PGI1508-19	PGI1508-20
Your Reference			M1-North	M1-South
Date Sampled			21/09/2025	21/09/2025
Silicon	mg/L	0.10	12	10

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Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-01	PGI1508-02	PGI1508-03	PGI1508-04	PGI1508-05
Your Reference			Health	T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		3.4	1.8	<1.0	<1.0	3.9
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	0.26	<0.10	<0.10
Cobalt	µg/L	1.0		35	<1.0	870	5.0	2.0
Chromium	µg/L	1.0		9.2	3.4	<1.0	5.7	2.1
Copper	µg/L	1.0		<1.0	<1.0	10	<1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		4.6	<1.0	36	<1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	2.8	1.1	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		1.5	<1.0	2.6	<1.0	<1.0

Envirolab ID	Units	PQL	ADWG	PGI1508-06	PGI1508-07	PGI1508-08	PGI1508-09	PGI1508-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		4.6	<1.0	<1.0	<1.0	<1.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	0.40
Cobalt	µg/L	1.0		<1.0	<1.0	<1.0	4.3	640
Chromium	µg/L	1.0		4.5	11	6.8	<1.0	2.3
Copper	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		<1.0	1.0	<1.0	<1.0	75
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		<1.0	1.7	<1.0	<1.0	6.9

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Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-11	PGI1508-12	PGI1508-13	PGI1508-14	PGI1508-15
Your Reference			Health	T13-D	T14-D	T15-D	T16-D	T17-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	1.8
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		2.1	130	<1.0	<1.0	65
Chromium	µg/L	1.0		4.7	4.4	7.3	<1.0	28
Copper	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	1.3
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		<1.0	1.8	1.1	2.7	3.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		1.0	1.7	<1.0	1.0	2.9
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		2.1	1.6	1.3	4.9	1.2

Envirolab ID	Units	PQL	ADWG	PGI1508-16	PGI1508-17	PGI1508-18	PGI1508-19	PGI1508-20
Your Reference			Health	T18	T19	T20	M1-North	M1-South
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		1.2	<1.0	2.4	55	16
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	1000	970
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	6.4	16
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	<0.50	<0.50
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		<1.0	6.7	2.5	<1.0	<1.0
Chromium	µg/L	1.0		5.3	<1.0	1.0	3.8	8.1
Copper	µg/L	1.0		<1.0	<1.0	<1.0	3.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	<10	<10
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	1.4	<1.0
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	1.3	3.8
Nickel	µg/L	1.0		1.9	9.8	1.2	<1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	[NA]	[NA]
Selenium	µg/L	1.0		<1.0	<1.0	2.5	<1.0	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	140	94
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	1.3	10
Zinc	µg/L	1.0		1.9	14	2.1	<1.0	<1.0

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Inorganics - Physical Parameters (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-01	PGI1508-02	PGI1508-03	PGI1508-04	PGI1508-05
Your Reference			Health	T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
pH	pH units		6.5-8.5	7.6	7.9	7.3	7.5	7.9
Electrical Conductivity	µS/cm	2.0		1500	1900	13000	2300	770
Total Dissolved Solids	mg/L	5.0	600	820	1000	7100	1200	400

Envirolab ID	Units	PQL	ADWG	PGI1508-06	PGI1508-07	PGI1508-08	PGI1508-09	PGI1508-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
pH	pH units		6.5-8.5	8.3	7.5	8.0	7.8	6.6
Electrical Conductivity	µS/cm	2.0		1100	680	810	680	7300
Total Dissolved Solids	mg/L	5.0	600	600	370	600	360	3900

Envirolab ID	Units	PQL	ADWG	PGI1508-11	PGI1508-12	PGI1508-13	PGI1508-14	PGI1508-15
Your Reference			Health	T13-D	T14-D	T15-D	T16-D	T17-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
pH	pH units		6.5-8.5	7.9	7.6	7.7	7.2	7.7
Electrical Conductivity	µS/cm	2.0		1500	2800	1700	2800	3700
Total Dissolved Solids	mg/L	5.0	600	780	1600	860	1500	2000

Envirolab ID	Units	PQL	ADWG	PGI1508-16	PGI1508-17	PGI1508-18	PGI1508-19	PGI1508-20
Your Reference			Health	T18	T19	T20	M1-North	M1-South
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
pH	pH units		6.5-8.5	7.2	6.7	7.8	8.3	8.2
Electrical Conductivity	µS/cm	2.0		370	590	1300	1600	1400
Total Dissolved Solids	mg/L	5.0	600	210	300	670	830	770

Envirolab ID	Units	PQL	ADWG	PGI1508-21
Your Reference			Health	Office Potable Water
Date Sampled			Value	22/09/2025
pH	pH units		6.5-8.5	6.6
Electrical Conductivity	µS/cm	2.0		31
Total Dissolved Solids	mg/L	5.0	600	19

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Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGI1508-01	PGI1508-02	PGI1508-03	PGI1508-04	PGI1508-05
Your Reference			T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	40	68	1000	120	31
Calcium	mg/L	0.50	14	10	360	12	6.5
Magnesium	mg/L	0.50	29	17	210	17	13
Potassium	mg/L	0.50	19	11	70	11	9.1
Sodium	mg/L	0.50	220	150	1700	160	120
Hardness (calc) equivalent CaCO3	mg/L	3.0	150	95	1800	100	71
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGI1508-06	PGI1508-07	PGI1508-08	PGI1508-09	PGI1508-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	25	28	23	25	300
Calcium	mg/L	0.50	1.5	7.4	7.6	5.1	140
Magnesium	mg/L	0.50	5.3	9.4	14	15	190
Potassium	mg/L	0.50	6.8	4.9	7.7	8.0	59
Sodium	mg/L	0.50	110	54	100	92	940
Hardness (calc) equivalent CaCO3	mg/L	3.0	26	57	77	73	1100
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGI1508-11	PGI1508-12	PGI1508-13	PGI1508-14	PGI1508-15
Your Reference			T13-D	T14-D	T15-D	T16-D	T17-D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	83	150	94	160	220

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Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGI1508-11	PGI1508-12	PGI1508-13	PGI1508-14	PGI1508-15
Your Reference			T13-D	T14-D	T15-D	T16-D	T17-D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Calcium	mg/L	0.50	12	44	15	24	56
Magnesium	mg/L	0.50	20	74	25	45	59
Potassium	mg/L	0.50	16	29	17	29	32
Sodium	mg/L	0.50	230	330	250	390	590
Hardness (calc) equivalent CaCO3	mg/L	3.0	110	410	140	250	380
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGI1508-16	PGI1508-17	PGI1508-18	PGI1508-19	PGI1508-20
Your Reference			T18	T19	T20	M1-North	M1-South
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	260	230
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	<5.0	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	<5.0	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	260	230
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	280	260
Sulfate	mg/L	1.0	15	21	36	82	66
Calcium	mg/L	0.50	2.7	5.7	4.3	13	14
Magnesium	mg/L	0.50	7.0	13	15	32	27
Potassium	mg/L	0.50	4.6	6.4	12	19	16
Sodium	mg/L	0.50	46	74	200	240	210
Hardness (calc) equivalent CaCO3	mg/L	3.0	36	66	73	170	140
Ionic Balance	%		[NA]	[NA]	[NA]	-2.3	-3.8

Certificate of Analysis PGI1508

Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-01	PGI1508-02	PGI1508-03	PGI1508-04	PGI1508-05
Your Reference			Health	T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		9.2	7.5	25	13	2.5
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	41	33	110	58	11
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGI1508-06	PGI1508-07	PGI1508-08	PGI1508-09	PGI1508-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		6.2	7.4	4.4	4.4	12
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	27	33	19	20	55
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGI1508-11	PGI1508-12	PGI1508-13	PGI1508-14	PGI1508-15
Your Reference			Health	T13-D	T14-D	T15-D	T16-D	T17-D
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		3.6	6.9	6.3	4.3	13
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	16	31	28	19	56
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGI1508-16	PGI1508-17	PGI1508-18	PGI1508-19	PGI1508-20
Your Reference			Health	T18	T19	T20	M1-North	M1-South
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	1.9	3.3
Nitrate as N	mg/L	0.10		2.9	5.7	7.0	[NA]	[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	8.4	15
Nitrate as NO3 by calc	mg/L	0.50	50	13	25	31	[NA]	[NA]
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	<0.0050	<0.0050
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	[NA]	[NA]

Certificate of Analysis PGI1508

Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-16	PGI1508-17	PGI1508-18	PGI1508-19	PGI1508-20
Your Reference			Health	T18	T19	T20	M1 North	M1 South
Date Sampled			Value	21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	<0.020	<0.020
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	[NA]	[NA]

Certificate of Analysis PGI1508

Inorganics - Cyanide Species and Similar (Water)

Envirolab ID	Units	PQL	PGI1508-01	PGI1508-02	PGI1508-03	PGI1508-04	PGI1508-05
Your Reference			T1 D	T2 D	T3-D	T4 D	T6 D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGI1508-06	PGI1508-07	PGI1508-08	PGI1508-09	PGI1508-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGI1508-11	PGI1508-12	PGI1508-13	PGI1508-14	PGI1508-15
Your Reference			T13-D	T14-D	T15-D	T16-D	T17-D
Date Sampled			21/09/2025	21/09/2025	21/09/2025	21/09/2025	21/09/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGI1508-16	PGI1508-17	PGI1508-18
Your Reference			T18	T19	T20
Date Sampled			21/09/2025	21/09/2025	21/09/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040

Certificate of Analysis PGI1508

Heterotrophic Plate Count (Water)

Envirolab ID	Units	PQL	PGI1508-21
Your Reference			Office Potable Water
Date Sampled			22/09/2025
Heterotrophic Plate Count 22C	cfu/mL	10	<10
Heterotrophic Plate Count 36C	cfu/mL	10	<10

Certificate of Analysis PGI1508

Microbiological Suite (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-21
Your Reference			Health	Office Potable Water
Date Sampled			Value	22/09/2025
Thermotolerant Coliforms	cfu/100mL	1	1	<1
E.coli	cfu/100mL	1	1	<1

Certificate of Analysis PGI1508

Amoebae (Water)

Envirolab ID	Units	PQL	ADWG	PGI1508-21
Your Reference			Health	Office Potable Water
Date Sampled			Value	22/09/2025
Thermophilic Amoebae	per 250mL	1.0		Not Detected
Thermophilic Naegleria	per 250mL	1.0	1.0	Not Detected

Certificate of Analysis PGI1508

Method Summary

Method ID	Methodology Summary
INORG-001	pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis can be completed outside of the recommended holding times. Solids are reported from a 1:5 water extract unless otherwise specified. Alternatively, pH is determined in a 1:5 extract using 0.01M calcium chloride or a solid is extracted at a ratio of 1:2.5 (AS1289.4.3.1), pH is measured in the extract.
INORG-002	Conductivity and Salinity - measured using a conductivity cell at 25°C. Soil results reported from a 1:5 Soil:Water extract unless otherwise specified. Please note Resistivity is estimated by calculation and may not correlate with results otherwise obtained using the Resistivity current method (based on AS 1289.4.4.1), depending on the nature of the soil being analysed. Blanks may yield EC readings >1µS/cm, this is likely due to adsorption of Carbon Dioxide while the blank sample is sat on the instrument autosampler prior to analysis. The values are generally insignificant (<5µS/cm) compared to most actual sample conductivities.
INORG-006	Alkalinity - determined titrimetrically based on APHA latest edition 2320-B. Solids reported from a 1:5 water extract unless otherwise specified. Total Carbon Dioxide - determined by calculation in accordance with APHA latest edition,4500-CO2 D.
INORG-014	Cyanide - free, total, weak acid dissociable by segmented flow analyser (in line dialysis with colourimetric finish). Solids/Filters and sorbents are extracted in a caustic media prior to analysis. Impingers are pH adjusted as required prior to analysis. Cyanides amenable to Chlorination - samples are analysed untreated and treated with hypochlorite to assess the potential for chlorination of cyanide forms.
INORG-018	Total Dissolved Solids - determined gravimetrically. The solids are dried at 180±10°C. NOTE: Where the EC of the sample is <100µS/cm, the TDS will typically be below 70mg/L (as the sample is very likely to be at least drinking water quality). Therefore to ensure data quality for TDS, the TDS is typically calculated as per the equation: $TDS = EC * 0.6$
INORG-040	The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 15% i.e. total anions = total cations +/-15%.
INORG-055	Nitrate/Nitrite/NOx/TKN - determined colourimetrically. Waters samples are filtered on receipt prior to analysis. Soils/solids are analysed following a water extraction.
INORG-081	Anions determined by Ion Chromatography. Waters samples are filtered on receipt prior to analysis. Solids are analysed from a water extract. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
METALS-020	Determination of various metals by ICP-OES. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
METALS-021	Determination of Mercury by Cold Vapour AAS.
METALS-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
MICRO-001B	E. coli/Thermotolerant coliforms: Microbial Water Analysis - in accordance with MICRO-001 (AS4276.5-latest edition). Recommended maximums based on NHMRC Australian Drinking Water Guidelines. Please note that results for this test derived from counts outside of the range 10-80 are considered approximate as per AS4276.1.
MICRO-001E	Heterotrophic Plate Count: Microbial Water Analysis - in accordance with MICRO-001 (AS4276.3-latest edition). Please note that results for this test derived from counts outside of the range 10-80 are considered approximate as per AS4276.1.
MICRO-003	Microbial Water Analysis - Free Living Protozoa

Certificate of Analysis PGI1508

Result Definitions

Identifier	Description
NR	Not reported
NEPM	National Environment Protection Measure
NS	Not specified
LCS	Laboratory Control Sample
RPD	Relative Percent Difference
>	Greater than
<	Less than
PQL	Practical Quantitation Limit
INS	Insufficient sample for this test
NA	Test not required
NT	Not tested
DOL	Samples rejected due to particulate overload (air filters only)
RFD	Samples rejected due to filter damage (air filters only)
RUD	Samples rejected due to uneven deposition (air filters only)
##	Indicates a laboratory acceptance criteria outlier, for further details, see Result Comments and/or QC Comments

Quality Control Definitions

Blank

This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, and is determined by processing solvents and reagents in exactly the same manner as for samples.

Surrogate Spike

Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

LCS (Laboratory Control Sample)

This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Matrix Spike

A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

Duplicate

This is the complete duplicate analysis of a sample from the process batch. The sample selected should be one where the analyte concentration is easily measurable.

Certificate of Analysis PGI1508

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria. Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction. Spikes for Physical and Aggregate Tests are not applicable. For VOCs in water samples, three vials are required for duplicate or spike analysis.

General Acceptance Criteria (GAC) - Analyte specific criteria applies for some analytes and is reflected in QC recovery tables.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% - see ELN-P05 QAQC tables for details (available on request); <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase. Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was typically insufficient in order to satisfy laboratory QA/QC protocols.

Miscellaneous Information

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached. We have taken the sampling date as being the date received at the laboratory.

Two significant figures are reported for the majority of tests and with a high degree of confidence, for results <10*PQL, the second significant figure may be in doubt i.e. has a relatively high degree of uncertainty and is provided for information only.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS where sediment/solids are included by default.

Urine Analysis - The BEI values listed are taken from the 2022 edition of *TLVs and BEIs Threshold Limits by ACGIH*.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volume(s) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from the latest "Australian Drinking Water Guidelines", published by NHMRC. No guideline values have been set for Total Coliforms in drinking water. Increased concentrations should be investigated. Total Coliforms are not considered useful as indicators of the presence of faecal contamination.

Where we have provided guideline values eg. ADWG Health Value, it is the responsibility of the reader to decide if the water is fit for consumption. Please note that the tests we have conducted are just a selection of common tests to give you a general idea of drinking water quality. There are many other tests included in the ADWG that we have not tested for.

Data Quality Assessment Summary PGI1508

Client Details

Client	Warriedar Resources Ltd
Your Reference	Golden Range Project
Date Issued	30/09/2025

Recommended Holding Time Compliance

No recommended holding time exceedances

Quality Control and QC Frequency

QC Type	Compliant	Details
Blank	Yes	No Outliers
LCS	Yes	No Outliers
Duplicates	Yes	No Outliers
Matrix Spike	No	Matrix Spike Outliers Exist - See detailed list below
Surrogates / Extracted Internal Standards	Yes	No Outliers
QC Frequency	Yes	No Outliers

Surrogates/Extracted Internal Standards, Duplicates and/or Matrix Spikes are not always relevant/applicable to certain analyses and matrices. Therefore, said QC measures are deemed compliant in these situations by default. See Laboratory Acceptance Criteria for more information

Data Quality Assessment Summary PGI1508

Recommended Holding Time Compliance

Analysis	Sample Number(s)	Date Sampled	Date Extracted	Date Analysed	Compliant
Total Metals (LL) Water	21	22/09/2025	24/09/2025	25/09/2025	Yes
Total Metals (LL)-Hg Water	21	22/09/2025	25/09/2025	26/09/2025	Yes
Dissolved Metals Water	19-20	21/09/2025	24/09/2025	24/09/2025	Yes
Dissolved Metals (LL) Water	1-20	21/09/2025	24/09/2025	24/09/2025	Yes
Dissolved Metals (LL)-Hg Water	1-9	21/09/2025	24/09/2025	25/09/2025	Yes
	10-20	21/09/2025	24/09/2025	26/09/2025	Yes
EC Water	1-20	21/09/2025	22/09/2025	23/09/2025	Yes
	21	22/09/2025	22/09/2025	23/09/2025	Yes
pH Water	1-20	21/09/2025	22/09/2025	23/09/2025	Yes
	21	22/09/2025	22/09/2025	23/09/2025	Yes
TDS Water	1-20	21/09/2025	24/09/2025	24/09/2025	Yes
	21	22/09/2025	24/09/2025	24/09/2025	Yes
Alkalinity Suite Water	19-20	21/09/2025	22/09/2025	23/09/2025	Yes
Chloride Water	19-20	21/09/2025	23/09/2025	23/09/2025	Yes
Dissolved Cations Water	1-20	21/09/2025	24/09/2025	24/09/2025	Yes
Ion Balance Water	19-20	21/09/2025	26/09/2025	30/09/2025	Yes
Sulfate Water	1-20	21/09/2025	23/09/2025	23/09/2025	Yes
Nitrogen - Nitrate Water	1-20	21/09/2025	23/09/2025	23/09/2025	Yes
Nitrogen - Nitrite Water	1-20	21/09/2025	23/09/2025	23/09/2025	Yes
Cyanide - WAD Water	1-18	21/09/2025	23/09/2025	26/09/2025	Yes
HPC - 22C Water	21	22/09/2025	22/09/2025	22/09/2025	Yes
HPC - 36C Water	21	22/09/2025	22/09/2025	22/09/2025	Yes
E. coli & T.T.coli Water	21	22/09/2025	22/09/2025	22/09/2025	Yes
Thermophilic Amoebae Water	21	22/09/2025	22/09/2025	22/09/2025	Yes

Data Quality Assessment Summary PGI1508

Outliers: Matrix Spike

INORG-055 | Inorganics - Nutrients (Water) | Batch BGI4016

Sample ID	Analyte	% Limits	% Recovery
BGI4016-MS1#	Nitrate as N	70 - 130	##[2]

METALS-020 | Dissolved Metals (Water) | Batch BGI4237

Sample ID	Analyte	% Limits	% Recovery
PGI1508-14	Silicon	70 - 130	##[1]

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGI4237

Sample ID	Analyte	% Limits	% Recovery
PGI1508-14	Sodium	70 - 130	##[1]

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGI4234

Sample ID	Analyte	% Limits	% Recovery
PGI1508-12	Boron	70 - 130	##[1]
PGI1508-12	Strontium	70 - 130	##[1]

Quality Control PGI1508

METALS-022 | Acid Extractable Low Level Metals (Water) | Batch BGI4252

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGI4252-DUP1# Samp QC RPD %	BGI4252-DUP2# Samp QC RPD %		
Aluminium	µg/L	10	<10	171 159 7.70	<10 <10 [NA]	90.8	88.2
Arsenic	µg/L	1.0	<1.0	1.83 1.67 [NA]	<1.0 <1.0 [NA]	96.4	104
Cadmium	µg/L	0.10	<0.10	<0.10 <0.10 [NA]	0.205 0.206 [NA]	95.8	102
Chromium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	2.44 2.32 [NA]	96.2	101
Copper	µg/L	1.0	<1.0	1.22 1.15 [NA]	<1.0 <1.0 [NA]	98.6	99.7
Lead	µg/L	1.0	<1.0	12.3 12.6 2.81	<1.0 <1.0 [NA]	98.5	101
Nickel	µg/L	1.0	<1.0	2.57 2.49 [NA]	5.23 4.95 5.52	97.0	98.0
Zinc	µg/L	1.0	<1.0	1.80 <1.0 [NA] [3]	16.3 16.1 0.790	93.7	102

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-021 | Acid Extractable Low Level Metals (Water) | Batch BGI4447

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGI4447-DUP1# Samp QC RPD %	PGI1508-21 Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	<0.050 <0.050 [NA]	108	104

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Dissolved Metals (Water) | Batch BGI4237

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGI1508-13 Samp QC RPD %	BGI4237-DUP2# Samp QC RPD %		
Silicon	mg/L	0.10	<0.10	2.82 2.84 0.918	2.56 2.53 1.38	117	##[1]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGI4233

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGI4233-DUP1# Samp QC RPD %	PGI1508-01 Samp QC RPD %		
Aluminium	µg/L	10	<10	<10 <10 [NA]	<10 <10 [NA]	89.4	93.2
Antimony	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	103	103
Arsenic	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	3.36 3.32 [NA]	99.6	100
Cadmium	µg/L	0.10	<0.10	<0.10 <0.10 [NA]	<0.10 <0.10 [NA]	102	98.8
Chromium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	9.18 9.06 1.26	101	100
Cobalt	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	35.3 34.4 2.62	100	96.8
Copper	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	101	95.4
Lead	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	95.9	90.1
Nickel	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	4.63 4.55 [NA]	101	95.3
Selenium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	104	101
Titanium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	96.1	99.9
Zinc	µg/L	1.0	<1.0	5.47 5.44 0.385	1.52 1.50 [NA]	105	93.4

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGI1508

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGI4234

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGI1508-11 Samp QC RPD %	BGI4234-DUP2# Samp QC RPD %		
Aluminium	µg/L	10	<10	<10 <10 [NA]	122 125 2.48	93.6	92.3
Antimony	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	107	108
Arsenic	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	101	102
Barium	µg/L	1.0	<1.0	8.85 8.90 0.552	34.8 35.1 1.07	99.3	97.9
Beryllium	µg/L	0.50	<0.50	<0.50 <0.50 [NA]	<0.50 <0.50 [NA]	93.9	95.0
Boron	µg/L	20	<20	1150 1200 3.53	57.7 38.5 [NA] [3]	104	##[1]
Cadmium	µg/L	0.10	<0.10	<0.10 <0.10 [NA]	<0.10 <0.10 [NA]	103	102
Chromium	µg/L	1.0	<1.0	4.73 4.69 [NA]	1.51 1.53 [NA]	101	99.8
Cobalt	µg/L	1.0	<1.0	2.14 2.13 [NA]	<1.0 <1.0 [NA]	100	84.9
Copper	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	99.2	97.3
Iron	µg/L	10	<10	<10 <10 [NA]	3300 3310 0.477	98.3	99.7
Lead	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	94.4	90.0
Manganese	µg/L	1.0	<1.0	1.59 1.64 [NA]	49.6 49.7 0.0927	98.5	96.9
Molybdenum	µg/L	1.0	<1.0	1.01 <1.0 [NA] [3]	<1.0 <1.0 [NA]	98.3	102
Nickel	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	1.84 1.81 [NA]	100	96.4
Selenium	µg/L	1.0	<1.0	1.04 <1.0 [NA] [3]	<1.0 <1.0 [NA]	104	102
Strontium	µg/L	1.0	<1.0	128 127 1.02	127 127 0.143	96.1	##[1]
Titanium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	97.2	98.8
Vanadium	µg/L	1.0	<1.0	<1.0 <1.0 [NA]	<1.0 <1.0 [NA]	102	105
Zinc	µg/L	1.0	<1.0	2.13 2.05 [NA]	1.06 1.90 [NA] [3]	106	99.0

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGI4255

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGI4255-DUP1# Samp QC RPD %	BGI4255-DUP2# Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	<0.050 <0.050 [NA]	99.6	99.6

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGI4256

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGI1508-10 Samp QC RPD %	PGI1508-20 Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	<0.050 <0.050 [NA]	105	103

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGI3989

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGI3989-DUP1# Samp QC RPD %	BGI3989-DUP2# Samp QC RPD %	
pH	pH units		5.8	7.5 7.5 0.134	7.2 7.2 0.00	103
Electrical Conductivity	µS/cm	2.0	<2.0	1500 1490 0.690	1600 1600 0.0312	103

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGI3990

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGI3990-DUP1# Samp QC RPD %	BGI3990-DUP2# Samp QC RPD %	
pH	pH units		5.8	7.6 7.6 0.132	7.8 7.8 0.513	103
Electrical Conductivity	µS/cm	2.0	<2.0	2230 2230 0.180	916 923 0.707	103

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGI1508

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGI4291

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGI4291-DUP1# Samp QC RPD %	BGI4291-DUP2# Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	74.0 70.0 5.56	453 458 1.10	97.3

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGI4292

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGI1508-02 Samp QC RPD %	PGI1508-12 Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	1000 1020 2.17	1570 1780 12.4	97.3

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGI4293

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGI4293-DUP1# Samp QC RPD %	BGI4293-DUP2# Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	2410 2480 2.95	201 213 5.80	98.0

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-006 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGI3990

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGI3990-DUP1# Samp QC RPD %	BGI3990-DUP2# Samp QC RPD %	
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	560 557 0.483	105 113 7.17	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	560 557 0.483	105 113 7.17	107

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGI4122

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike % PGI1508-02
				PGI1508-01 Samp QC RPD %	PGI1508-11 Samp QC RPD %		
Chloride	mg/L	1.0	<1.0	354 354 0.147	276 276 0.00145	100	79.5
Sulfate	mg/L	1.0	1.0	39.9 39.8 0.405	82.9 82.9 0.00905	95.1	103

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGI4236

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike % BGI4236-MS1#
				BGI4236-DUP1# Samp QC RPD %	PGI1508-02 Samp QC RPD %		
Calcium	mg/L	0.50	<0.50	66.2 65.2 1.60	10.0 10.1 0.566	94.8	95.5
Magnesium	mg/L	0.50	<0.50	59.0 57.6 2.44	17.1 17.2 0.461	94.1	96.0
Potassium	mg/L	0.50	<0.50	8.06 8.12 0.813	11.2 11.3 0.665	93.4	95.8
Sodium	mg/L	0.50	<0.50	97.8 98.1 0.255	151 153 0.868	87.2	86.8
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	408 400 2.10	95.4 95.9 0.489	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGI4237

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike % PGI1508-14
				PGI1508-13 Samp QC RPD %	BGI4237-DUP2# Samp QC RPD %		
Calcium	mg/L	0.50	<0.50	15.2 15.4 0.954	20.6 20.3 1.13	97.8	93.4
Magnesium	mg/L	0.50	<0.50	24.8 25.1 1.38	4.52 4.52 0.0841	114	75.1
Potassium	mg/L	0.50	<0.50	17.3 17.3 0.318	28.9 28.8 0.156	117	82.1
Sodium	mg/L	0.50	<0.50	252 253 0.293	14.7 14.5 1.56	106	##[1]
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	140 142 1.26	69.9 69.4 0.802	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGI1508

INORG-055 | Inorganics - Nutrients (Water) | Batch BGI4016

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				BGI4016-DUP1# Samp QC RPD %	BGI4016-DUP2# Samp QC RPD %		
Nitrate as N	mg/L	0.0050	<0.0050	0.00622 0.00630 [NA]	14.7 14.8 0.449	102	##[2]
Nitrate as NO3 by calculation	mg/L	0.020	<0.020			[NA]	[NA]
Nitrite as N	mg/L	0.0050	<0.0050	<0.0050 <0.0050 [NA]	0.482 0.484 0.390	[NA]	[NA]
Nitrite as NO2 by calculation	mg/L	0.020	<0.020			[NA]	[NA]

Analyte	Units	PQL	Blank	LCS %	Spike %
					BGI4016-MS2#
Nitrate as N	mg/L	0.0050	<0.0050	[NA]	[NA]
Nitrate as NO3 by calculation	mg/L	0.020	<0.020	[NA]	[NA]
Nitrite as N	mg/L	0.0050	<0.0050	106	120
Nitrite as NO2 by calculation	mg/L	0.020	<0.020	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Nutrients (Water) | Batch BGI4122

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGI1508-01 Samp QC RPD %	PGI1508-11 Samp QC RPD %		
Nitrate as N	mg/L	0.10	<0.10	9.20 9.20 0.00978	3.63 3.63 0.0909	106	89.8
Nitrate as NO3 by calc	mg/L	0.50	<0.50			[NA]	[NA]
Nitrite as N	mg/L	0.10	<0.10	<0.10 <0.10 [NA]	<0.10 <0.10 [NA]	99.7	98.5
Nitrite as NO2 by calc	mg/L	0.50	<0.50			[NA]	[NA]

INORG-014 | Inorganics - Cyanide Species and Similar (Water) | Batch BGI4171

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGI1508-01 Samp QC RPD %	PGI1508-11 Samp QC RPD %		
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040 <0.0040 [NA]	<0.0040 <0.0040 [NA]	112	99.0

MICRO-001E | Heterotrophic Plate Count (Water) | Batch BGI4118

Analyte	Units	PQL	Blank	DUP1	LCS %
				PGI1508-21 Samp QC RPD %	
Heterotrophic Plate Count 22C	cfu/mL	10	<10	<10 <10 [NA]	[NA]

MICRO-001E | Heterotrophic Plate Count (Water) | Batch BGI4119

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGI1508-21 Samp QC RPD %	BGI4119-DUP2# Samp QC RPD %	
Heterotrophic Plate Count 36C	cfu/mL	10	<10	<10 <10 [NA]	<10 <10 [NA]	[NA]

Analyte	Units	PQL	Blank	DUP3	DUP4	LCS %
				BGI4119-DUP3# Samp QC RPD %	BGI4119-DUP4# Samp QC RPD %	
Heterotrophic Plate Count 36C	cfu/mL	10	<10	<10 <10 [NA]	<10 <10 [NA]	[NA]

Analyte	Units	PQL	Blank	DUP5	DUP6	LCS %
				BGI4119-DUP5# Samp QC RPD %	BGI4119-DUP6# Samp QC RPD %	
Heterotrophic Plate Count 36C	cfu/mL	10	<10	<10 <10 [NA]	<10 <10 [NA]	[NA]

Analyte	Units	PQL	Blank	DUP7	LCS %
				BGI4119-DUP7# Samp QC RPD %	
Heterotrophic Plate Count 36C	cfu/mL	10	<10	<10 <10 [NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGI1508

MICRO-001B | Microbiological Suite (Water) | Batch BGI4116

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGI1508-21 Samp QC RPD %	BGI4116-DUP2# Samp QC RPD %	
Thermotolerant Coliforms	cfu/100mL	1	<1	<1 <1 [NA]	1.00 <1 [NA]	[NA]
E.coli	cfu/100mL	1	1	1 1 [NA]	1.00 1 [NA]	[NA]

Analyte	Units	PQL	Blank	DUP3	DUP4	LCS %
				BGI4116-DUP3# Samp QC RPD %	BGI4116-DUP4# Samp QC RPD %	
Thermotolerant Coliforms	cfu/100mL	1		<1 <1 [NA]	<1 <1 [NA]	[NA]
E.coli	cfu/100mL	1		<1 <1 [NA]	<1 <1 [NA]	[NA]

Analyte	Units	PQL	Blank	DUP5	DUP6	LCS %
				BGI4116-DUP5# Samp QC RPD %	BGI4116-DUP6# Samp QC RPD %	
Thermotolerant Coliforms	cfu/100mL	1		<1 <1 [NA]	<1 <1 [NA]	[NA]
E.coli	cfu/100mL	1		<1 <1 [NA]	<1 <1 [NA]	[NA]

Analyte	Units	PQL	Blank	DUP7	DUP8	LCS %
				BGI4116 DUP7# Samp QC RPD %	BGI4116 DUP8# Samp QC RPD %	
Thermotolerant Coliforms	cfu/100mL	1		1 1 [NA]	1 1 [NA]	[NA]
E.coli	cfu/100mL	1		<1 <1 [NA]	<1 <1 [NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

MICRO-003 | Amoebae (Water) | Batch BGI4115

Analyte	Units	PQL	Blank	LCS %
Thermophilic Amoebae	per 250mL	1.0	Not Detected	[NA]
Thermophilic Naegleria	per 250mL	1.0	Not Detected	[NA]

QC Comments

Identifier	Description
[1]	Spike recovery is not applicable due to the relatively high analyte background in the sample (>3* spike level). However, the LCS recovery is within acceptance criteria.
[2]	Spike recovery is outside routine acceptance criteria (70-130%), this may be due to suspected non-homogeneity and/or matrix interference effects. However, an acceptable recovery was achieved for the LCS.
[3]	Duplicate %RPD may be flagged as an outlier to routine laboratory acceptance, however, where one or both results are <10*PQL, the RPD acceptance criteria increases exponentially.



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Certificate of Analysis PGK0525

Client Details

Client Warriedar Resources Ltd
Contact [REDACTED]
Address Suite 3, 41-47 Colin St, WEST PERTH, WA, 6005

Sample Details

Your Reference Golden Range Project
Number of Samples 21 Water
Date Samples Received 10/11/2025
Date Instructions Received 17/11/2025

Analysis Details

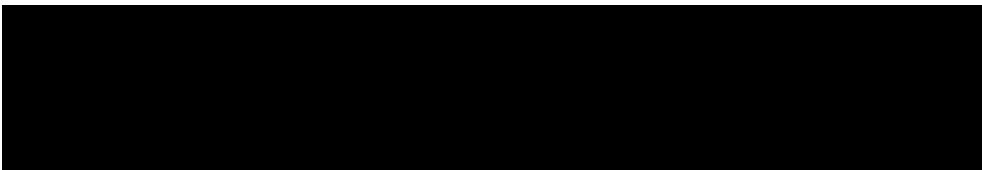
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for soils and on an as received basis for other matrices.

Report Details

Date Final Results Expected 24/11/2025
Date of Issue 24/11/2025

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Authorisation Details



Certificate of Analysis PGK0525

Samples in this Report

Envirolab ID	Sample ID	Matrix	Date Sampled	Date Received
PGK0525-01	T1-D	Water	09/11/2025	17/11/2025
PGK0525-02	T2-D	Water	09/11/2025	17/11/2025
PGK0525-03	T3-D	Water	09/11/2025	17/11/2025
PGK0525-04	T4-D	Water	09/11/2025	17/11/2025
PGK0525-05	T6-D	Water	09/11/2025	17/11/2025
PGK0525-06	T8-D	Water	09/11/2025	17/11/2025
PGK0525-07	T9-D	Water	09/11/2025	17/11/2025
PGK0525-08	T10-D	Water	09/11/2025	17/11/2025
PGK0525-09	T11-D	Water	09/11/2025	17/11/2025
PGK0525-10	T12-S	Water	09/11/2025	17/11/2025
PGK0525-11	T12-D	Water	09/11/2025	17/11/2025
PGK0525-12	T13-D	Water	09/11/2025	17/11/2025
PGK0525-13	T14-D	Water	09/11/2025	17/11/2025
PGK0525-14	T15-D	Water	09/11/2025	17/11/2025
PGK0525-15	T16-D	Water	09/11/2025	17/11/2025
PGK0525-16	T17-D	Water	09/11/2025	17/11/2025
PGK0525-17	T18	Water	09/11/2025	17/11/2025
PGK0525-18	T19	Water	09/11/2025	17/11/2025
PGK0525-19	T20	Water	09/11/2025	17/11/2025
PGK0525-20	M1-North	Water	09/11/2025	17/11/2025
PGK0525-21	M1-South	Water	09/11/2025	17/11/2025

Sample Comments

General Comment Proof of payment received 17/11/25.

Certificate of Analysis PGK0525

Dissolved Metals (Water)

Envirolab ID	Units	PQL	PGK0525-20	PGK0525-21
Your Reference			M1-North	M1-South
Date Sampled			09/11/2025	09/11/2025
Silicon	mg/L	0.10	22	18

Certificate of Analysis PGK0525

Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGK0525-01	PGK0525-02	PGK0525-03	PGK0525-04	PGK0525-05
Your Reference			Health	T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		4.0	4.0	1.2	1.2	7.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	0.43	<0.10	<0.10
Cobalt	µg/L	1.0		16	<1.0	1500	11	3.6
Chromium	µg/L	1.0		10	5.3	<1.0	12	3.5
Copper	µg/L	1.0		<1.0	<1.0	15	<1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		1.6	<1.0	63	1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	3.6	1.7	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		2.0	2.3	8.5	3.8	1.6

Envirolab ID	Units	PQL	ADWG	PGK0525-06	PGK0525-07	PGK0525-08	PGK0525-09	PGK0525-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-S
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Aluminium	µg/L	10		<10	<10	<10	<10	140
Arsenic	µg/L	1.0		9.9	1.3	<1.0	1.2	10
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	5.5
Cobalt	µg/L	1.0		<1.0	<1.0	<1.0	7.4	2800
Chromium	µg/L	1.0		9.4	21	10	<1.0	4.0
Copper	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	15
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	0.88
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		<1.0	1.5	<1.0	<1.0	910
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	2.5
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	1.4
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		<1.0	9.3	2.3	1.5	110

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Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGK0525-11	PGK0525-12	PGK0525-13	PGK0525-14	PGK0525-15
Your Reference			Health	T12-D	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		1.2	<1.0	<1.0	<1.0	<1.0
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	[NA]
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	[NA]
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	[NA]
Cadmium	µg/L	0.10		0.47	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		640	3.6	190	<1.0	1.3
Chromium	µg/L	1.0		2.6	4.4	4.3	12	1.6
Copper	µg/L	1.0		1.6	<1.0	1.2	<1.0	<1.0
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	[NA]
Mercury	µg/L	0.050		4.5	<0.050	0.20	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Nickel	µg/L	1.0		81	<1.0	2.5	1.4	4.5
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	µg/L	1.0		1.4	1.3	2.0	1.3	1.7
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	[NA]
Zinc	µg/L	1.0		20	3.5	13	3.0	7.9

Envirolab ID	Units	PQL	ADWG	PGK0525-16	PGK0525-17	PGK0525-18	PGK0525-19	PGK0525-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Aluminium	µg/L	10		<10	<10	<10	<10	<10
Arsenic	µg/L	1.0		1.5	1.6	<1.0	2.7	50
Boron	µg/L	20	4000	[NA]	[NA]	[NA]	[NA]	960
Barium	µg/L	1.0	2000	[NA]	[NA]	[NA]	[NA]	4.5
Beryllium	µg/L	0.50		[NA]	[NA]	[NA]	[NA]	<0.50
Cadmium	µg/L	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	µg/L	1.0		35	<1.0	<1.0	<1.0	<1.0
Chromium	µg/L	1.0		29	11	1.4	1.2	5.1
Copper	µg/L	1.0		1.6	1.2	<1.0	<1.0	2.5
Iron	µg/L	10		[NA]	[NA]	[NA]	[NA]	<10
Mercury	µg/L	0.050		<0.050	<0.050	<0.050	<0.050	<0.050
Manganese	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	<1.0
Molybdenum	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	1.1
Nickel	µg/L	1.0		1.9	4.8	11	<1.0	<1.0
Lead	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Antimony	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	[NA]
Selenium	µg/L	1.0		2.7	<1.0	<1.0	3.4	<1.0
Strontium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	150
Titanium	µg/L	1.0		<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/L	1.0		[NA]	[NA]	[NA]	[NA]	1.7
Zinc	µg/L	1.0		3.2	9.8	9.2	4.6	14

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Dissolved Low Level Metals (Water)

Envirolab ID	Units	PQL	ADWG	PGK0525-21
Your Reference			Health	M1-South
Date Sampled			Value	09/11/2025
Aluminium	µg/L	10		<10
Arsenic	µg/L	1.0		16
Boron	µg/L	20	4000	940
Barium	µg/L	1.0	2000	16
Beryllium	µg/L	0.50		<0.50
Cadmium	µg/L	0.10		<0.10
Cobalt	µg/L	1.0		<1.0
Chromium	µg/L	1.0		8.2
Copper	µg/L	1.0		<1.0
Iron	µg/L	10		<10
Mercury	µg/L	0.050		<0.050
Manganese	µg/L	1.0		<1.0
Molybdenum	µg/L	1.0		4.1
Nickel	µg/L	1.0		<1.0
Lead	µg/L	1.0		<1.0
Antimony	µg/L	1.0		[NA]
Selenium	µg/L	1.0		<1.0
Strontium	µg/L	1.0		100
Titanium	µg/L	1.0		<1.0
Vanadium	µg/L	1.0		10
Zinc	µg/L	1.0		3.8

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Inorganics - Physical Parameters (Water)

Envirolab ID	Units	PQL	ADWG	PGK0525-01	PGK0525-02	PGK0525-03	PGK0525-04	PGK0525-05
Your Reference			Health	T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
pH	pH units		6.5-8.5	8.0	8.2	7.8	8.2	8.3
Electrical Conductivity	µS/cm	2.0		1500	2000	17000	2500	1400
Total Dissolved Solids	mg/L	5.0	600	860	1100	11000	1500	830

Envirolab ID	Units	PQL	ADWG	PGK0525-06	PGK0525-07	PGK0525-08	PGK0525-09	PGK0525-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-S
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
pH	pH units		6.5-8.5	8.5	7.9	8.0	8.1	6.3
Electrical Conductivity	µS/cm	2.0		1300	890	990	1200	25000
Total Dissolved Solids	mg/L	5.0	600	790	530	550	700	18000

Envirolab ID	Units	PQL	ADWG	PGK0525-11	PGK0525-12	PGK0525-13	PGK0525-14	PGK0525-15
Your Reference			Health	T12-D	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
pH	pH units		6.5-8.5	7.3	8.3	8.1	8.2	7.9
Electrical Conductivity	µS/cm	2.0		7000	2200	3400	2500	4700
Total Dissolved Solids	mg/L	5.0	600	4700	1300	2100	1500	2800

Envirolab ID	Units	PQL	ADWG	PGK0525-16	PGK0525-17	PGK0525-18	PGK0525-19	PGK0525-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
pH	pH units		6.5-8.5	8.2	7.6	7.2	8.1	7.9
Electrical Conductivity	µS/cm	2.0		3500	720	780	1700	1600
Total Dissolved Solids	mg/L	5.0	600	2100	440	470	940	950

Envirolab ID	Units	PQL	ADWG	PGK0525-21
Your Reference			Health	M1-South
Date Sampled			Value	09/11/2025
pH	pH units		6.5-8.5	7.9
Electrical Conductivity	µS/cm	2.0		1500
Total Dissolved Solids	mg/L	5.0	600	850

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Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGK0525-01	PGK0525-02	PGK0525-03	PGK0525-04	PGK0525-05
Your Reference			T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	30	65	1300	120	56
Calcium	mg/L	0.50	12	18	600	27	12
Magnesium	mg/L	0.50	30	37	390	46	28
Potassium	mg/L	0.50	22	24	120	30	19
Sodium	mg/L	0.50	240	320	2900	410	240
Hardness (calc) equivalent CaCO3	mg/L	3.0	150	200	3100	260	150
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGK0525-06	PGK0525-07	PGK0525-08	PGK0525-09	PGK0525-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-S
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	28	35	33	41	1700
Calcium	mg/L	0.50	3.2	13	11	10	840
Magnesium	mg/L	0.50	14	21	22	30	610
Potassium	mg/L	0.50	16	11	12	17	150
Sodium	mg/L	0.50	250	120	150	190	4300
Hardness (calc) equivalent CaCO3	mg/L	3.0	64	120	120	150	4600
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGK0525-11	PGK0525-12	PGK0525-13	PGK0525-14	PGK0525-15
Your Reference			T12-D	T13-D	T14-D	T15-D	T16-D
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	[NA]
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	[NA]
Sulfate	mg/L	1.0	270	120	190	150	300

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Inorganics - Ionic Balance and Indexes (Water)

Envirolab ID	Units	PQL	PGK0525-11	PGK0525-12	PGK0525-13	PGK0525-14	PGK0525-15
Your Reference			T12-D	T13-D	T14-D	T15-D	T16-D
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Calcium	mg/L	0.50	160	19	59	26	50
Magnesium	mg/L	0.50	220	35	110	45	88
Potassium	mg/L	0.50	68	28	43	30	58
Sodium	mg/L	0.50	990	390	490	440	820
Hardness (calc) equivalent CaCO3	mg/L	3.0	1300	190	590	250	480
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	[NA]

Envirolab ID	Units	PQL	PGK0525-16	PGK0525-17	PGK0525-18	PGK0525-19	PGK0525-20
Your Reference			T17-D	T18	T19	T20	M1-North
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	260
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	[NA]	[NA]	[NA]	[NA]	260
Chloride	mg/L	1.0	[NA]	[NA]	[NA]	[NA]	320
Sulfate	mg/L	1.0	210	30	26	47	81
Calcium	mg/L	0.50	53	5.8	6.2	7.2	16
Magnesium	mg/L	0.50	61	15	17	27	38
Potassium	mg/L	0.50	36	12	9.3	17	22
Sodium	mg/L	0.50	600	100	110	290	280
Hardness (calc) equivalent CaCO3	mg/L	3.0	380	78	86	130	190
Ionic Balance	%		[NA]	[NA]	[NA]	[NA]	1.8

Envirolab ID	Units	PQL	PGK0525-21
Your Reference			M1-South
Date Sampled			09/11/2025
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	250
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	250
Chloride	mg/L	1.0	280
Sulfate	mg/L	1.0	69
Calcium	mg/L	0.50	16
Magnesium	mg/L	0.50	32
Potassium	mg/L	0.50	19
Sodium	mg/L	0.50	250
Hardness (calc) equivalent CaCO3	mg/L	3.0	170
Ionic Balance	%		1.8

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Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGK0525-01	PGK0525-02	PGK0525-03	PGK0525-04	PGK0525-05
Your Reference			Health	T1-D	T2-D	T3-D	T4-D	T6-D
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		7.6	7.0	33	12	4.6
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	34	31	150	53	20
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<1.0 [3]	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<5.0 [3]	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGK0525-06	PGK0525-07	PGK0525-08	PGK0525-09	PGK0525-10
Your Reference			Health	T8-D	T9-D	T10-D	T11-D	T12-S
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		6.6	8.8	8.6	7.7	17
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	29	39	38	34	74
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	<2.0 [3]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	<10 [3]
Envirolab ID	Units	PQL	ADWG	PGK0525-11	PGK0525-12	PGK0525-13	PGK0525-14	PGK0525-15
Your Reference			Health	T12-D	T13-D	T14-D	T15-D	T16-D
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as N	mg/L	0.10		12	4.8	6.2	9.5	7.6
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrate as NO3 by calc	mg/L	0.50	50	54	21	27	42	34
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as N	mg/L	0.10		<0.50 [3]	<0.10	<0.50 [3]	<0.10	<0.10
Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	[NA]
Nitrite as NO2 by calc	mg/L	0.50		<2.5 [3]	<0.50	<2.5 [3]	<0.50	<0.50
Envirolab ID	Units	PQL	ADWG	PGK0525-16	PGK0525-17	PGK0525-18	PGK0525-19	PGK0525-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Nitrate as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	3.4
Nitrate as N	mg/L	0.10		12	6.0	8.1	9.0	[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	[NA]	[NA]	[NA]	[NA]	15
Nitrate as NO3 by calc	mg/L	0.50	50	55	27	36	40	[NA]
Nitrite as N	mg/L	0.0050		[NA]	[NA]	[NA]	[NA]	<0.0050
Nitrite as N	mg/L	0.10		<0.10	<0.10	<0.10	<0.10	[NA]

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Inorganics - Nutrients (Water)

Envirolab ID	Units	PQL	ADWG	PGK0525-16	PGK0525-17	PGK0525-18	PGK0525-19	PGK0525-20
Your Reference			Health	T17-D	T18	T19	T20	M1-North
Date Sampled			Value	09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025

Nitrite as NO2 by calculation	mg/L	0.020	3.0	[NA]	[NA]	[NA]	[NA]	<0.020
Nitrite as NO2 by calc	mg/L	0.50		<0.50	<0.50	<0.50	<0.50	[NA]

Envirolab ID	Units	PQL	ADWG	PGK0525-21
Your Reference			Health	M1-South
Date Sampled			Value	09/11/2025

Nitrate as N	mg/L	0.0050		3.2
Nitrate as N	mg/L	0.10		[NA]
Nitrate as NO3 by calculation	mg/L	0.020	50	14
Nitrate as NO3 by calc	mg/L	0.50	50	[NA]
Nitrite as N	mg/L	0.0050		<0.0050
Nitrite as N	mg/L	0.10		[NA]
Nitrite as NO2 by calculation	mg/L	0.020	3.0	<0.020
Nitrite as NO2 by calc	mg/L	0.50		[NA]

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Inorganics - Cyanide Species and Similar (Water)

Envirolab ID	Units	PQL	PGK0525-01	PGK0525-02	PGK0525-03	PGK0525-04	PGK0525-05
Your Reference			T1 D	T2 D	T3-D	T4 D	T6 D
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGK0525-06	PGK0525-07	PGK0525-08	PGK0525-09	PGK0525-10
Your Reference			T8-D	T9-D	T10-D	T11-D	T12-S
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0044

Envirolab ID	Units	PQL	PGK0525-11	PGK0525-12	PGK0525-13	PGK0525-14	PGK0525-15
Your Reference			T12-D	T13-D	T14-D	T15-D	T16-D
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025	09/11/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	0.0081	<0.0040	<0.0040	<0.0040	<0.0040

Envirolab ID	Units	PQL	PGK0525-16	PGK0525-17	PGK0525-18	PGK0525-19
Your Reference			T17-D	T18	T19	T20
Date Sampled			09/11/2025	09/11/2025	09/11/2025	09/11/2025
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	<0.0040

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Result Comments

Identifier	Description
[3]	PQL(s) has/have been raised due to the high concentration of analyte(s) in the sample, resulting in the sample requiring a dilution.

Certificate of Analysis PGK0525

Method Summary

Method ID	Methodology Summary
INORG-001	pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis can be completed outside of the recommended holding times. Solids are reported from a 1:5 water extract unless otherwise specified. Alternatively, pH is determined in a 1:5 extract using 0.01M calcium chloride or a solid is extracted at a ratio of 1:2.5 (AS1289.4.3.1), pH is measured in the extract.
INORG-002	Conductivity and Salinity - measured using a conductivity cell at 25°C. Soil results reported from a 1:5 Soil:Water extract unless otherwise specified. Please note Resistivity is estimated by calculation and may not correlate with results otherwise obtained using the Resistivity current method (based on AS 1289.4.4.1), depending on the nature of the soil being analysed. Blanks may yield EC readings >1µS/cm, this is likely due to adsorption of Carbon Dioxide while the blank sample is sat on the instrument autosampler prior to analysis. The values are generally insignificant (<5µS/cm) compared to most actual sample conductivities.
INORG-006	Alkalinity - determined titrimetrically based on APHA latest edition 2320-B. Solids reported from a 1:5 water extract unless otherwise specified. Total Carbon Dioxide - determined by calculation in accordance with APHA latest edition,4500-CO2 D.
INORG-014	Cyanide - free, total, weak acid dissociable by segmented flow analyser (in line dialysis with colourimetric finish). Solids/Filters and sorbents are extracted in a caustic media prior to analysis. Impingers are pH adjusted as required prior to analysis. Cyanides amenable to Chlorination - samples are analysed untreated and treated with hypochlorite to assess the potential for chlorination of cyanide forms.
INORG-018	Total Dissolved Solids - determined gravimetrically. The solids are dried at 180±10°C. NOTE: Where the EC of the sample is <100µS/cm, the TDS will typically be below 70mg/L (as the sample is very likely to be at least drinking water quality). Therefore to ensure data quality for TDS, the TDS is typically calculated as per the equation: $TDS = EC * 0.6$
INORG-040	The concentrations of the major ions (mg/L) are converted to milliequivalents and summed. The ionic balance should be within +/- 15% i.e. total anions = total cations +/-15%.
INORG-055	Nitrate/Nitrite/NOx/TKN - determined colourimetrically. Waters samples are filtered on receipt prior to analysis. Soils/solids are analysed following a water extraction.
INORG-081	Anions determined by Ion Chromatography. Waters samples are filtered on receipt prior to analysis. Solids are analysed from a water extract. Alternatively determined by colourimetry/turbidity using Discrete Analyser.
METALS-020	Determination of various metals by ICP-OES. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
METALS-021	Determination of Mercury by Cold Vapour AAS.
METALS-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.

Certificate of Analysis PGK0525

Result Definitions

Identifier	Description
NR	Not reported
NEPM	National Environment Protection Measure
NS	Not specified
LCS	Laboratory Control Sample
RPD	Relative Percent Difference
>	Greater than
<	Less than
PQL	Practical Quantitation Limit
INS	Insufficient sample for this test
NA	Test not required
NT	Not tested
DOL	Samples rejected due to particulate overload (air filters only)
RFD	Samples rejected due to filter damage (air filters only)
RUD	Samples rejected due to uneven deposition (air filters only)
##	Indicates a laboratory acceptance criteria outlier, for further details, see Result Comments and/or QC Comments

Quality Control Definitions

Blank

This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, and is determined by processing solvents and reagents in exactly the same manner as for samples.

Surrogate Spike

Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

LCS (Laboratory Control Sample)

This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Matrix Spike

A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

Duplicate

This is the complete duplicate analysis of a sample from the process batch. The sample selected should be one where the analyte concentration is easily measurable.

Certificate of Analysis PGK0525

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria. Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction. Spikes for Physical and Aggregate Tests are not applicable. For VOCs in water samples, three vials are required for duplicate or spike analysis.

General Acceptance Criteria (GAC) - Analyte specific criteria applies for some analytes and is reflected in QC recovery tables.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% - see ELN-P05 QAQC tables for details (available on request); <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase. Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was typically insufficient in order to satisfy laboratory QA/QC protocols.

Miscellaneous Information

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached. We have taken the sampling date as being the date received at the laboratory.

Two significant figures are reported for the majority of tests and with a high degree of confidence, for results <10*PQL, the second significant figure may be in doubt i.e. has a relatively high degree of uncertainty and is provided for information only.

Measurement Uncertainty estimates can be downloaded from the [Envirolab Resources website](#) or obtained directly by contacting the laboratory.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS where sediment/solids are included by default.

Urine Analysis - The BEI values listed are taken from the 2022 edition of *TLVs and BEIs Threshold Limits by ACGIH*.

Air volumes are typically provided by customers (often as flow rate(s) and sampling time(s) and/or simply volume(s) sampled or exposure times (determines 'volume' passive badges are exposed to)). Hence in such circumstances the volume measurement is inevitably not covered by Envirolab's NATA accreditation. An exception may occur where Envirolab Newcastle does the sampling where accreditation exists for certain types of sampling and hence volume determination(s). Note air volumes are often used to determine concentrations for dust and/or analyses on filters, sorbents and in impingers. For canister sampling, the air volume is covered by Envirolab's NATA accreditation.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from the latest "Australian Drinking Water Guidelines", published by NHMRC. No guideline values have been set for Total Coliforms in drinking water. Increased concentrations should be investigated. Total Coliforms are not considered useful as indicators of the presence of faecal contamination.

Where we have provided guideline values eg. ADWG Health Value, it is the responsibility of the reader to decide if the water is fit for consumption. Please note that the tests we have conducted are just a selection of common tests to give you a general idea of drinking water quality. There are many other tests included in the ADWG that we have not tested for.

Data Quality Assessment Summary PGK0525

Client Details

Client	Warriedar Resources Ltd
Your Reference	Golden Range Project
Date Issued	24/11/2025

Recommended Holding Time Compliance

Recommended holding time exceedances exist - See detailed list below

Quality Control and QC Frequency

QC Type	Compliant	Details
Blank	Yes	No Outliers
LCS	Yes	No Outliers
Duplicates	No	Duplicate Outliers Exist - See detailed list below
Matrix Spike	No	Matrix Spike Outliers Exist - See detailed list below
Surrogates / Extracted Internal Standards	Yes	No Outliers
QC Frequency	Yes	No Outliers

Surrogates/Extracted Internal Standards, Duplicates and/or Matrix Spikes are not always relevant/applicable to certain analyses and matrices. Therefore, said QC measures are deemed compliant in these situations by default. See Laboratory Acceptance Criteria for more information

Data Quality Assessment Summary PGK0525

Recommended Holding Time Compliance

Analysis	Sample Number(s)	Date Sampled	Date Extracted	Date Analysed	Compliant
Dissolved Metals Water	20-21	09/11/2025	18/11/2025	19/11/2025	Yes
Dissolved Metals (LL) Water	1-21	09/11/2025	18/11/2025	19/11/2025	Yes
Dissolved Metals (LL)-Hg Water	1-14	09/11/2025	19/11/2025	19/11/2025	Yes
	15-21	09/11/2025	19/11/2025	21/11/2025	Yes
EC Water	20-21	09/11/2025	17/11/2025	17/11/2025	Yes
	1-19	09/11/2025	17/11/2025	18/11/2025	Yes
pH Water	20-21	09/11/2025	17/11/2025	17/11/2025	No
	1-19	09/11/2025	17/11/2025	18/11/2025	No
TDS Water	1-21	09/11/2025	18/11/2025	19/11/2025	No
Alkalinity Suite Water	20-21	09/11/2025	17/11/2025	17/11/2025	Yes
Chloride Water	21	09/11/2025	18/11/2025	19/11/2025	Yes
	20	09/11/2025	18/11/2025	21/11/2025	Yes
Dissolved Cations Water	1-21	09/11/2025	18/11/2025	19/11/2025	Yes
Ion Balance Water	20-21	09/11/2025	20/11/2025	24/11/2025	Yes
Sulfate Water	21	09/11/2025	18/11/2025	19/11/2025	Yes
	1-20	09/11/2025	18/11/2025	21/11/2025	Yes
Nitrogen - Nitrate Water	20-21	09/11/2025	18/11/2025	18/11/2025	Yes
	1-19	09/11/2025	18/11/2025	21/11/2025	Yes
Nitrogen - Nitrite Water	20-21	09/11/2025	18/11/2025	18/11/2025	No
	1-19	09/11/2025	18/11/2025	21/11/2025	No
Cyanide - WAD Water	1-19	09/11/2025	18/11/2025	18/11/2025	Yes

Outliers: Duplicates

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGK2620

Sample ID	Duplicate ID	Analyte	% Limits	RPD
PGK0525-11	DUP1	Iron	20.00	200[4]

Data Quality Assessment Summary PGK0525

Outliers: Matrix Spike

INORG-055 | Inorganics - Nutrients (Water) | Batch BGK2554

Sample ID	Analyte	% Limits	% Recovery
BGK2554-MS2#	Nitrite as N	70 - 130	##[2]

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2616

Sample ID	Analyte	% Limits	% Recovery
BGK2616-MS1#	Calcium	70 - 130	##[1]
BGK2616-MS1#	Magnesium	70 - 130	##[1]
BGK2616-MS1#	Sodium	70 - 130	##[1]

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2617

Sample ID	Analyte	% Limits	% Recovery
PGK0525-14	Magnesium	70 - 130	##[1]
PGK0525-14	Sodium	70 - 130	##[1]

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGK2620

Sample ID	Analyte	% Limits	% Recovery
PGK0525-12	Boron	70 - 130	##[1]

Quality Control PGK0525

METALS-020 | Dissolved Metals (Water) | Batch BGK2617

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %		
				PGK0525-13		BGK2617-DUP2#					
				Samp	QC	RPD %	Samp	QC	RPD %		
Silicon	mg/L	0.10	<0.10	11.9	11.9	0.0421	1.89	1.92	1.48	105	112

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGK2613

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %		
				BGK2613-DUP1#		PGK0525-01					
				Samp	QC	RPD %	Samp	QC	RPD %		
Aluminium	µg/L	10	<10	<10	<10	[NA]	<10	<10	[NA]	91.0	79.5
Antimony	µg/L	1.0	<1.0	13.7	13.9	1.52	<1.0	<1.0	[NA]	99.8	104
Arsenic	µg/L	1.0	<1.0	73.8	72.0	2.50	4.04	4.05	[NA]	99.2	87.0
Cadmium	µg/L	0.10	<0.10	0.170	0.150	[NA]	<0.10	<0.10	[NA]	97.1	93.3
Chromium	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	10.4	10.5	1.10	97.3	96.0
Cobalt	µg/L	1.0	<1.0	5.21	4.92	5.73	16.0	16.1	0.498	97.7	92.2
Copper	µg/L	1.0	<1.0	<1.0	1.00	[NA]	<1.0	<1.0	[NA]	98.0	90.2
Lead	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	<1.0	<1.0	[NA]	97.0	86.3
Nickel	µg/L	1.0	<1.0	6.10	5.57	9.08	1.58	1.60	[NA]	98.2	87.4
Selenium	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	<1.0	<1.0	[NA]	101	94.2
Titanium	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	<1.0	<1.0	[NA]	94.1	90.9
Zinc	µg/L	1.0	<1.0	4.78	4.95	[NA]	1.96	1.95	[NA]	98.5	87.4

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-022 | Dissolved Low Level Metals (Water) | Batch BGK2620

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %		
				PGK0525-11		PGK0525-21					
				Samp	QC	RPD %	Samp	QC	RPD %		
Aluminium	µg/L	10	<10	<10	<10	[NA]	<10	<10	[NA]	103	91.1
Antimony	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	2.60	2.64	[NA]	103	106
Arsenic	µg/L	1.0	<1.0	1.24	1.17	[NA]	16.4	16.6	0.934	96.7	99.7
Barium	µg/L	1.0	<1.0	70.0	68.5	2.17	15.8	16.2	2.26	98.2	94.7
Beryllium	µg/L	0.50	<0.50	<0.50	<0.50	[NA]	<0.50	<0.50	[NA]	87.1	90.3
Boron	µg/L	20	<20	599	630	5.02	935	958	2.44	115	##[1]
Cadmium	µg/L	0.10	<0.10	0.470	0.490	[NA]	<0.10	<0.10	[NA]	96.9	94.9
Chromium	µg/L	1.0	<1.0	2.55	2.44	[NA]	8.16	8.28	1.46	96.7	93.5
Cobalt	µg/L	1.0	<1.0	643	624	3.03	<1.0	<1.0	[NA]	96.1	91.3
Copper	µg/L	1.0	<1.0	1.59	1.52	[NA]	<1.0	<1.0	[NA]	94.8	88.5
Iron	µg/L	10	<10	89.4	<10	200 [4]	<10	<10	[NA]	107	99.3
Lead	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	<1.0	<1.0	[NA]	95.0	88.6
Manganese	µg/L	1.0	<1.0	2640	2580	2.18	<1.0	<1.0	[NA]	96.1	90.4
Molybdenum	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	4.15	4.24	[NA]	95.9	102
Nickel	µg/L	1.0	<1.0	81.2	79.7	1.85	<1.0	<1.0	[NA]	95.9	89.6
Selenium	µg/L	1.0	<1.0	1.45	1.14	[NA]	<1.0	<1.0	[NA]	98.5	96.7
Strontium	µg/L	1.0	<1.0	1850	1800	2.40	99.5	101	1.67	93.5	77.9
Titanium	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	<1.0	<1.0	[NA]	91.4	95.2
Vanadium	µg/L	1.0	<1.0	<1.0	<1.0	[NA]	10.2	10.3	0.934	98.1	99.0
Zinc	µg/L	1.0	<1.0	20.3	19.5	3.87	3.79	3.84	[NA]	97.3	88.6

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGK2971

Analyte	Units	PQL	Blank	DUP1		DUP2		LCS %	Spike %		
				BGK2971-DUP1#		PGK0525-05					
				Samp	QC	RPD %	Samp	QC	RPD %		
Mercury	µg/L	0.050	<0.050	<0.050	<0.050	[NA]	<0.050	<0.050	[NA]	100	96.4

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

Quality Control PGK0525

METALS-021 | Dissolved Low Level Metals (Water) | Batch BGK2972

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGK0525-15 Samp QC RPD %	BGK2972-DUP2# Samp QC RPD %		
Mercury	µg/L	0.050	<0.050	<0.050 <0.050 [NA]	<0.050 <0.050 [NA]	112	112

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGK2511

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGK0525-01 Samp QC RPD %	PGK0525-11 Samp QC RPD %	
pH	pH units		5.2	8.0 8.0 0.250	7.3 7.3 0.275	102
Electrical Conductivity	µS/cm	2.0	2.60	1510 1510 0.0595	7040 7000 0.573	98.3

INORG-001 | Inorganics - Physical Parameters (Water) | Batch BGK2525

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGK0525-20 Samp QC RPD %	BGK2525-DUP2# Samp QC RPD %	
pH	pH units		5.9	7.9 7.8 0.761	8.4 8.4 0.00	102
Electrical Conductivity	µS/cm	2.0	<2.0	1630 1630 0.478	26500 26300 0.805	95.1

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGK2733

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				BGK2733-DUP1# Samp QC RPD %	PGK0525-10 Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	2580 2540 1.56	18200 17200 5.65	111

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-018 | Inorganics - Physical Parameters (Water) | Batch BGK2734

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGK0525-20 Samp QC RPD %	BGK2734-DUP2# Samp QC RPD %	
Total Dissolved Solids	mg/L	5.0	<5.0	951 952 0.105	442 461 4.21	114

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-006 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2525

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %
				PGK0525-20 Samp QC RPD %	BGK2525-DUP2# Samp QC RPD %	
Bicarbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	265 256 3.34	373 357 4.49	[NA]
Carbonate Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	19.9 18.9 [NA]	[NA]
Hydroxide OH- as CaCO3	mg/L as CaCO3	5.0	<5.0	<5.0 <5.0 [NA]	<5.0 <5.0 [NA]	[NA]
Total Alkalinity as CaCO3	mg/L as CaCO3	5.0	<5.0	265 256 3.34	393 375 4.53	93.3

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2595

Analyte	Units	PQL	Blank	DUP1	DUP2	LCS %	Spike %
				PGK0525-01 Samp QC RPD %	PGK0525-11 Samp QC RPD %		
Chloride	mg/L	1.0	<1.0	295 298 1.15	1980 2000 0.619	99.8	98.2
Sulfate	mg/L	1.0	<1.0	30.5 30.9 1.48	272 274 0.811	94.0	96.5

Quality Control PGK0525

INORG-081 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2596

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				BGK2596-DUP1#			BGK2596-DUP2#				
				Samp	QC	RPD %	Samp	QC	RPD %		
Chloride	mg/L	1.0	<1.0	3180	3180	0.122	173	172	1.09	102	81.3
Sulfate	mg/L	1.0	<1.0	132	132	0.0196	24.1	23.7	1.76	99.4	88.5

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2616

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				BGK2616-DUP1#			PGK0525-02				
				Samp	QC	RPD %	Samp	QC	RPD %		
Calcium	mg/L	0.50	<0.50	275	274	0.518	18.3	18.4	0.131	103	##[1]
Magnesium	mg/L	0.50	<0.50	1790	1780	0.443	36.9	37.0	0.100	104	##[1]
Potassium	mg/L	0.50	<0.50	30.8	30.9	0.382	24.5	24.6	0.383	100	77.4
Sodium	mg/L	0.50	<0.50	6740	6700	0.536	324	323	0.210	89.6	##[1]
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	8040	8000	0.450	198	198	0.107	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

METALS-020 | Inorganics - Ionic Balance and Indexes (Water) | Batch BGK2617

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				PGK0525-13			BGK2617-DUP2#				
				Samp	QC	RPD %	Samp	QC	RPD %		
Calcium	mg/L	0.50	<0.50	59.4	59.2	0.469	56.8	55.9	1.54	104	89.9
Magnesium	mg/L	0.50	<0.50	106	106	0.509	10.4	10.5	0.897	107	##[1]
Potassium	mg/L	0.50	<0.50	42.9	42.7	0.355	6.70	6.69	0.112	105	87.8
Sodium	mg/L	0.50	<0.50	486	485	0.173	72.1	73.1	1.38	84.9	##[1]
Hardness (calc) equivalent CaCO3	mg/L	3.0	<3.0	586	583	0.499	185	183	0.964	[NA]	[NA]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-055 | Inorganics - Nutrients (Water) | Batch BGK2554

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				BGK2554-DUP1#			BGK2554-DUP2#				
				Samp	QC	RPD %	Samp	QC	RPD %		
Nitrate as N	mg/L	0.0050	<0.0050	2.59	2.58	0.112	<0.0050	0.00520	[NA] [4]	102	110
Nitrate as NO3 by calculation	mg/L	0.020	<0.020							[NA]	[NA]
Nitrite as N	mg/L	0.0050	<0.0050	0.0397	0.0390	1.75	<0.0050	<0.0050	[NA]	[NA]	[NA]
Nitrite as NO2 by calculation	mg/L	0.020	<0.020							[NA]	[NA]

Analyte	Units	PQL	Blank	LCS %	Spike %
Nitrite as N	mg/L	0.005		102	##[2]

The QC reported was not specifically part of this workorder but formed part of the QC process batch.

INORG-081 | Inorganics - Nutrients (Water) | Batch BGK2595

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				PGK0525-01			PGK0525-11				
				Samp	QC	RPD %	Samp	QC	RPD %		
Nitrate as N	mg/L	0.10	<0.10	7.57	7.72	1.97	12.1	12.2	1.11	101	91.2
Nitrate as NO3 by calc	mg/L	0.50	<0.50							[NA]	[NA]
Nitrite as N	mg/L	0.10	<0.10	<0.10	<0.10	[NA]	<0.50	<0.50	[NA]	106	99.9
Nitrite as NO2 by calc	mg/L	0.50	<0.50							[NA]	[NA]

INORG-014 | Inorganics - Cyanide Species and Similar (Water) | Batch BGK2565

Analyte	Units	PQL	Blank	DUP1			DUP2			LCS %	Spike %
				PGK0525-01			PGK0525-11				
				Samp	QC	RPD %	Samp	QC	RPD %		
Weak Acid Dissociable Cyanide	mg/L	0.0040	<0.0040	<0.0040	<0.0040	[NA]	0.00808	0.00791	[NA]	115	115

Quality Control PGK0525

QC Comments

Identifier	Description
[1]	Spike recovery is not applicable due to the relatively high analyte background in the sample ($>3^*$ spike level). However, the LCS recovery is within acceptance criteria.
[2]	Spike recovery is outside routine acceptance criteria (70-130%), this may be due to suspected non-homogeneity and/or matrix interference effects. However, an acceptable recovery was achieved for the LCS.
[4]	Duplicate %RPD may be flagged as an outlier to routine laboratory acceptance, however, where one or both results are $<10^*$ PQL, the RPD acceptance criteria increases exponentially.
[5]	The laboratory duplicate RPD is outside routine acceptance criteria, this may be due to suspected sample non-homogeneity.

Appendix 5: C&M EMP Inspection, Monitoring and Reporting Schedule, Inspection Checklists & Oct 2025 Inspection



Golden Range – •Care & Maintenance Environmental Management Plan (EC&M Plan)

Appendix 2: Inspection, Monitoring and Reporting Schedule

Item or Feature	Frequency & Date	Description	Source/s & Guidance	Outputs
Infrastructure Inspections				
Tailings storage facility (TSF), processing plant, process water ponds, workshop, fuel farm, & landfill	Monthly	Environment items	<ul style="list-style-type: none"> L8402/2009/2; Inspection Criteria & Checklist 	<ul style="list-style-type: none"> Completed checklist with corrective actions where required; Info in doc to inform Annual Environmental Reports (AERs) & Mine Closure Plan (MCP).
TSF, processing plant, process water ponds, workshop, fuel farm, & landfill	Quarterly	Environment items	<ul style="list-style-type: none"> MCP / EC&M Plan; L8402/2009/2; Inspection Criteria & Checklist 	<ul style="list-style-type: none"> Completed checklist with corrective actions where required; Info in doc to inform AERs & MCP.
Mining areas – waste rock landforms (WRLs), pits, abandonment bunds (ABs), laydowns, topsoil, roads	Quarterly	Environmental items	<ul style="list-style-type: none"> Mining proposals (MPs) & MCP Rev.4.6; Inspection Criteria & Checklist. 	<ul style="list-style-type: none"> Completed checklist with corrective actions where required; Info in doc to inform AERs & MCP.
Infrastructure Monitoring				
All Project areas – TSF, WRLs, pits, ABs, laydown areas, topsoil stockpiles, roads	Annual	Integrity, Erosion, Rehabilitation & Access: <ul style="list-style-type: none"> Ground & drone photos of all WRLs & TSF; Drone imagery – erosion & vegetation; General Environmental items. 	<ul style="list-style-type: none"> MCP; EC&M Plan; Inspection Criteria & Checklist. 	<ul style="list-style-type: none"> Rehabilitation Monitoring Report – to inform remedial works, AERs & MCP; Completed checklist & actions - to inform improvements & AERs.

Item or Feature	Frequency & Date	Description	Source/s & Guidance	Outputs
WRLs	Annual	<u>Erosion & Stability.</u> UAV and/or satellite imagery used to measure stability and erosion metrics (eg. gullies, sediment deposition etc) – to gauge progress and achievement of Closure Criteria.	WRL Erosion Monitoring Procedure.	Rehabilitation Monitoring Report
WRLs	Annual	<u>Re-vegetation:</u> UAV and/or satellite imagery used to measure <u>vegetation metrics</u> (eg. Recruitment, Veg. health, % cover etc) to gauge progress and achievement of Closure Criteria.	WRL re-vegetation monitoring procedure.	Rehabilitation Monitoring Report
Groundwater Monitoring				
<u>Pumping</u> production sources (bores & pits)	Monthly	<ul style="list-style-type: none"> SWL (bores) & RL (pits); Volumes, pH, TDS, EC (field analysis). 	<ul style="list-style-type: none"> GWL210947(2) & GLOS; Groundwater Monitoring Procedure. 	Field monitoring data sheet – for inclusion in GWL annual reports.
TSF bores	Quarterly	<ul style="list-style-type: none"> SWL, pH, EC, TDS (field analysis) & sample to lab for analysis) 	<ul style="list-style-type: none"> L8402/2009/2; Groundwater Monitoring Procedure. 	Field monitoring data sheet and Lab analysis report – for inclusion in L8402 AER.
All production water sources (bores & pit lakes)	Annual	<ul style="list-style-type: none"> Pit & bore water sampling (all); Lab analysis (all) – major component; Pit water survey (RLs) & SWLs of bores; Volumes, pH, TDS, EC (field analysis). 	<ul style="list-style-type: none"> GWL210947(2) & GLOS; Groundwater Monitoring Procedure. 	Field monitoring data sheet and Lab analysis report – for inclusion in GWL annual reports.
Statutory Reporting				
Annual Environmental Report (AER)	Annual 28 Feb.	AER for Prescribed Premise Licence (L8402/2009/2) - DWER.	L8402/2009/2.	AER & signed Annual Audit Compliance Report (AACR) - submitted via Environment Online and info@DWER.wa.gov.au to DWER
Annual Environmental Report (AER)	Annual 31 March.	AER for tenements – mining leases and miscellaneous licences (online) – DMPE.	<ul style="list-style-type: none"> AER Tenement Condition; AER Guidelines (V2.0 – Dec 2022) 	AER submission - online via EARS2 to DMPE

Item or Feature	Frequency & Date	Description	Source/s & Guidance	Outputs
Groundwater Monitoring Summary	Annual	Annual report of monitoring data for Groundwater licence (GWL210947(2) - DWER	GWL210947(2) & GLOS (V1.3 – Nov. 2024)	<ul style="list-style-type: none"> Groundwater Monitoring Summary (report) - submitted via Water Online to DWER; Update meter readings in Water Online
	31 March			
Mining Rehabilitation Fund (MRF) submission	Annual	Annual submission of disturbance data for MRF levy – DMPE.	MRF Guidelines (V4.0 - Feb. 2025)	MRF submission – online via EARS2 to DMPE.
	30 June			
Groundwater Monitoring Review	Triennial –	Three-year review report of monitoring data for GWL210947(2) - DWER	GWL210947(2) & GLOS (V1.3 – Nov. 2024)	<ul style="list-style-type: none"> Groundwater Monitoring Review (report) – submitted via Water Online to DWER; Update meter readings in Water Online
	31 March			
National Pollution Inventory (NPI)	Annual	**If thresholds triggered (haven't during C&M to date).	NPI Guide (V6.1 - Sept. 2015)	NPI submission – submitted online via NPI Portal to DWER (NPI branch).
	30 Sept			
National Greenhouse & Energy Reporting (NGER)	Annual	**If thresholds triggered - (haven't during C&M to date, however new owners with Other sites may).	NGER Guidelines (various)	NGER submission – submitted online via NGER Portal to Clean Energy Regulator (CER)
	31 Oct			
Other Documentation				
Mine Closure Plan (MCP)	31 March 2027	Revised and updated Mine Closure Plan	<ul style="list-style-type: none"> MCP Tenement condition; Approval letter for MCP Rev.4.6 (Reg. ID: 117622; 30/05/2025); Statutory Guidelines for Mine Closure Plans; & How to prepare in accordance with Part 1 of the Statutory Guidelines (V4.0 - Jan 2023). 	Revised and updated Mine Closure Plan – submitted via EARS1 to DMPE.



Golden Range – •Care & Maintenance Environmental Management Plan (EC&M Plan)

Appendix 3 - Inspection Criteria & Checklists

Item	Checklist 1A: Monthly checklist (one per week) Tailings Storage Facility (TSF)	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
TSF	Western wall toe-drain : Checked/emptied?			
	Western embankment: Seepage/stability - no evidence of "wet-patches or salt staining indicating seepage/piping through embankment walls?			
	Western embankment: Physical stability – no evidence of cracking or excessive erosion?			
	Western embankment: No stormwater against outer embankment?			
	Top Road: Physical stability – evidence of erosion?			
	Southern embankment: Seepage/stability - no evidence of "wet-patches or salt staining indicating seepage/piping through embankment walls?			
	Southern embankment: Physical stability – no evidence of cracking or excessive erosion?			
	Southern embankment: No stormwater against outer embankment?			
	Northern embankment: Seepage/stability - no evidence of "wet-patches or salt staining indicating seepage/piping through embankment walls?			
	Northern embankment: Physical stability – no evidence of cracking or excessive erosion?			
	Northern embankment: No stormwater against outer embankment?			
	Eastern embankment: Seepage/stability - no evidence of "wet-patches or salt staining indicating seepage/piping through embankment walls?			

Item	Checklist 1A: Monthly checklist (one per week) Tailings Storage Facility (TSF)	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
TSF (cont'd)	Eastern embankment: Physical stability – no evidence of cracking or excessive erosion?			
	Eastern embankment: No stormwater against outer embankment?			
	Cells (Walk up access ramp 1 to view): Any water ponded on TSF? Dust/ wind-blown tailings issues or Fauna Deaths?			
	Access Roads: Good in Condition/No erosion? and Signage and delineators present?			
	Access ramp 2: Is it in Good Condition/No erosion? and Signage, barriers, and delineators present?			
	Access ramp 1: Is it in Good Condition/No erosion? and Signage, barriers, and delineators present?			
	Northern wall sumps (*2) and toe-drain: Northern Toe-drain Checked/emptied?			
	Northern wall sumps (*2) and toe-drain: Northern Sump 1 and Sump 2 Checked/emptied? (Once daily, 2-3 times if rain)			
	Eastern embankment toe-drain sump: Checked/emptied (Once daily, 2-3 times if rain)			

Item	Checklist 1B: Monthly checklist (one per week) Admin, Workshop, Ponds, Fuel farm, Laydown	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
Admin	Geologist Office : Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Meeting rooms: Any evidence of unauthorized access/persons still on site and no new damage/hazards?			
	Admin Office : Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Empty Admin Office: Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Admin RO tanks (behind Toilets): Raw water tank full? RO processed water tank full/filling? and no leaks or alarms?			
Work shop	Workshop: Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Heavy Vehicle Maintenance Bay: Inspect Pit covers in place, Safety chains in place? Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Washdown Bay: Sump level not too high or too low? and no any new damage/hazards?			
	Washdown Bay: Any excessive hydrocarbons on water surface or Fauna Deaths?			
	Toilet Blocks: Any Leaks or running water?			
Process Ponds	Process Ponds overfull? (Are water levels above 1.80? (1.50 is considered safe level)			
	Process pond tanks <half full? (required to be >half to protect liners) and no Fauna deaths?			
	Water Tanks for Office water supply: Process pond tanks >half full and no leaks?			
	Waste water tank (holds RO bypass water): Is waste-water tank >3/4 full and no leaks or alarms?			
Electrical	Site Office Gensets: Is it running with storage tanks full? And no leakages or alarms/warnings?			

Item	Checklist 1B: Monthly checklist (one per week) Admin, Workshop, Ponds, Fuel farm, Laydown	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
Electrical (cont'd)	Electrical Power Shed: Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Electrical Power room: Any evidence of unauthorized access/persons still on site or new damage/hazards?			
Process plant area	Process plant workshops and offices: Any evidence of unauthorized access/persons still on site or new damage/hazards?			
	Process Plant (Walkaround outside danger/barricaded area): Any evidence of unauthorized access/persons still on site or new damage/hazards?			
Laydown / HV parking / fuel farm	Spills?			
	Waste removed?			

Item	Checklist 1C: Monthly Checklist (1 per week): Landfill	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
Landfill	Tipping face of active landfill trench <30m in length?			
	Compliant waste only in landfill (No oily waste, chemicals, batteries, tyres etc)			
	No waste containing visible asbestos disposed at landfill?			
	Waste covered by approximately 300mm of Inert Fill; (a) At least once a month while in use; and (b) Buried tyres to be covered as soon as practical.			
	Minimal windblown waste?			
	Any ponding?			
	Storm-water bunds maintained around landfill trenches capable of diverting storm-water away from waste.			
	Tyres in correct location, <100 in one spot?			
	Disposed tyres buried appropriately?			
	Recycling bunds orderly?			
	Oils, chemicals, batteries etc banded correctly?			
	Spills?			
	Oily waste containers have lids, banded ok, no spills?			
	Weeds?			
Feral activity?				
Fauna deaths or entrapment?				

Item	Checklist 2: Quarterly & Annual checklist – TSF & Infrastructure	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
TSF				
Integrity	Cracking present on any embankments? (Location, width, depth, spacing, photograph)			
	If existing, has the cracking got larger?			
	Large erosion gullies on external embankments? (Location, width, depth, spacing, photograph)			
	L8402: TSF A, TSF B and TSF C including all hoppers, tanks, pipes, pipeline corridors and pumps – Visual Integrity			
Seepage	Staining or discolouration on any downstream embankment slope?			
	Seepage / wet areas on the embankment slopes or toe?			
	Is seepage muddy?			
Seepage recovery	Is the seepage recovery trench and collection sumps maintained & functional downstream of the external toe of the tailings dam/s?			
	Is the seepage collection system operating effectively?			
	All seepage recovered returned to TSF?			
	Is there seepage water in any recovery sump?			
	Is the recovery bore (T12-S) operating?			
	Are the flows being recorded on the meters? Changes?			
	Are the pipelines intact and free of cracks?			
Ponding	Is water ponding on south-west (SW) side or downstream toe of any embankment? Pond size? Seepage or rainfall?			
	Generator in-place at SW pond or available on-site? Pumping?			

Item	Checklist 2: Quarterly & Annual checklist – TSF & Infrastructure	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
Ponding (cont'd)	Water ponding on TSF surface? Size pond? Against outer embankment??			
Storm water	Stormwater run-off is diverted from the tailings dam/s to prevent flooding or erosion			
Freeboard	Are the following freeboards maintained? (Based on DMP criteria) maintained at 0.67m below the embankment crest?			
Fauna	Fauna present? (eg. Kangaroos, ducks, swans)			
	Fauna deaths?			
	Any sumps or excavations which could trap fauna?			
Vegetation	Distress or death of vegetation surrounding TSF? Suspected source?			
	Vegetation >6m on embankment - requiring removal? (destabilising)			
Dust	Any dust coming off TSF surface?			
	Any vegetation in distress from dust?			
Pipelines	Is pipe bunding and spill collection sumps adequate – size, integrity?			
	Are the tailings and water return lines intact and free of cracks?			
TSF – Access & Safety				
Access roads	Condition of roads around TSF base?			
	Condition of crest access road? Internal erosion?			
	Crest safety windrow - condition & height?			

Item	Checklist 2: Quarterly & Annual checklist – TSF & Infrastructure	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
Instruments	Any damage to Piezometers installed within embankments?			
	Any damage to Monitoring Bores?			
Signage	Signage appropriate, in place and legible?			
	Barricading of access ramp in place?			
Process Plant				
Bunding	Is bunding adequate to contain spills from tanks?			
	Tank integrity - adequate?			
	Spills?			
Workshop				
	Hydrocarbons & Chemicals banded			
	Washdown bay clean & tidy			
	Oil-water separator functional?			
Process Ponds				
Freeboard	Freeboard >0.67m?			
Integrity	Cracks or other embankment integrity issues?			
	Tears in liner?			
Fuel Farm				
Integrity	Bunding Integrity?			
Spills	Spills (outside bunding)?			

Item	Checklist 2: Quarterly & Annual checklist – TSF & Infrastructure	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
	Re-fuelling bay and sump - clean & tidy?			
	Surface water?			
Laydowns & Open areas				
Housekeep	Spills?			
	Bunding?			
	Rubbish, loose tin etc - clean & tidy?			
Landfill				
Active tip	Tipping face of active landfill trench <30m in length?			
	Compliant waste only in landfill (No oily waste, chemicals, batteries, tyres etc)			
	No waste containing visible asbestos disposed at landfill?			
	Waste covered by approximately 300mm of Inert Fill; (a) At least once a month while in use; and (b) Buried tyres to be covered as soon as practical.			
	Minimal windblown waste?			
Drainage	Any ponding?			
	Water runoff diverted away from landfill?			
	Storm-water bunds maintained around landfill trenches capable of diverting storm-water away from waste.			
Tyres	Tyres in correct location, <100 in one spot?			
	Disposed tyres buried appropriately?			

Item	Checklist 2: Quarterly & Annual checklist – TSF & Infrastructure	Issues?	Name:	Date:
	Criteria	Y / N	Comments & Actions (if Yes)	
Recycling	Recycling bunds orderly?			
Oils	Oils, chemicals, batteries etc banded correctly?			
	Spills?			
	Oily waste containers have lids, banded ok, no spills?			
Flora / Fauna	Weeds?			
	Feral activity?			
	Fauna deaths or entrapment?			
General				
Comments	Further comments, remedial actions required etc?			

Appendix 3: Care & Maintenance Inspection Criteria & Checklist
 Inspection Schedule - Care & Maintenance

Date: 23/10/2025

Item	Criteria	Ok? Y / N	Comments & Actions (if No)
Integrity	No cracking present on any embankments? (Location, width, depth, spacing, photograph)	✓	Need to determine if its Yes or No to each question that triggers further comments or action? No - Exterior embankments sound All inspection criteria need to be worded accordingly
	Is cracking new or existing? If existing, has the cracking got larger?	✓	- NA.
	No large erosion gullies on external embankments? (Location, width, depth, spacing, photograph)	✓	- No Some erosion gullies on lower-lifts on East side
	L8402: TSF A, TSF B and TSF C including all hoppers, tanks, pipes, pipeline corridors and pumps - Visual Integrity	✓	- Intact, but rusting + weathering
Seepage	No staining or discolouration on any downstream embankment slope?	✓	- Nope
	No seepage / wet areas on the embankment slopes or toe?	✓	- No seepage observed anywhere
	Is there seepage water flow from the downstream toe of any of the embankments? If so is it clear? Is it existing or new?	✓	- NO
Seepage recovery	Is the seepage recovery trench and collection sumps maintained & functional downstream of the external toe of the tailings dam/s?	✓	- Seepage trench intact, but refurb required
	Is the seepage collection system operating effectively?	✓	- ^{before use} YES - but dry
	All seepage recovered returned to TSF?	NA	- No seepage
	Is there seepage water in any recovery sump?	✓	- No seepage in any surface sump → Is
	Is the recovery bore (T12-S) operating?	No	- water in North-side well - not pumping
	Are the flows being recorded on the meters? Changes?	No	- No pumping ~ 3mbgh
	Are the pipelines intact and free of cracks?	✓	- Yes

→ Submersible pump broken - SWL in T12-S at 7.82mbgh - low risk.
 Pages

Appendix 3: Care & Maintenance Inspection Criteria & Checklist Inspection Schedule – Care & Maintenance		Ok?	Date: 23/10/2025
Item	Criteria	Y/N	Comments & Actions (if No)
Ponding	Is water ponding on West side or downstream toe of any embankment? Pond size? Seepage or rainfall?	N	- No ponding anywhere - evidence of it ^{on west side}
	Generator in-place at pond or available on-site? Pumping?	Y	- Gen-set available on-site
	Water ponding on TSF surface? Size pond? Against outer embankment??	N	- No ponding
Storm water	Stormwater run-off is diverted from the tailings dam/s to prevent flooding or erosion	Y	- Yes, apart from West-side pond
Freeboard	Are the following freeboards maintained? (Based on DMP criteria) maintained at 0.67m below the embankment crest?	Y	- No water on TSF surface
Fauna	Fauna present? (eg. Kangaroos, ducks, swans)	N	- No fauna observed
	Fauna deaths?	N	- " " deaths or evidence
	Any sumps or excavations which could trap fauna?	N	- No
Vegetation	Distress or death of vegetation surrounding TSF? Suspected source?	N	- No signs of Veg distress - Photos
	Vegetation >6m on embankment - requiring removal? (destabilising)	??	- Mature veg on lower slopes - TSF dry - Low Risk
Dust	Any dust coming off TSF surface?	N	- No dust at time - Evidence on embankment
	Any vegetation in distress from dust?	N	- No
Pipelines	Is pipe bunding and spill collection sumps adequate – size, integrity?	N	- crest, slopes + into veg - west-side
	Are the tailings and water return lines intact and free of cracks?	Y	- appear sound
TSF – Access & Safety			- No Veg appears in distress - photos.
Access roads	Condition of roads around TSF base? - Good	✓	- Bunding failing in places - but No water or leaks in pipes = Low Risk. Need Re-furbishment prior to operations.
	Condition of crest access road? Internal erosion? Ok - Some	✓	- areas of internal erosion (photos) but road passable, no erosion extending across road - no outer barrier

Appendix 3: Care & Maintenance Inspection Criteria & Checklist Inspection Schedule – Care & Maintenance		Ok?	Date: 23/10/2025
Item	Criteria	Y/N	Comments & Actions (if No)
	Crest safety windrow - condition & height?	?	Crest windrow in place - not assessed
Instruments	Any damage to Piezometers installed within embankments?	✓	Look ok
	Any damage to Monitoring Bores?	✓	Operating as designed.
Signage	Signage appropriate, in place and legible?	✓	Yes
	Barricading of access ramp in place?	X	One ramp barricaded, other open - close
Process Plant			
	Is bunding adequate to contain spills from tanks?	N	- Tanks contain water only - low risk - needs bunding
	Tank integrity - adequate?	Y	- look ok refurb prior to Ops
	Spills?	N	- No new spills or visible issues
Workshop			
	Hydrocarbons & Chemicals banded	✓	All pretty good, neat and tidy, minor oils out of hands - few 10-20L drums unbanded.
	Washdown bay clean & tidy - Yes	✓	
	Oil-water separator functional? - Yes - appears ok.	✓	
Process Water Ponds			
Freeboard	Freeboard >0.67m?	✓	>1m - Plenty - Photos
Integrity	Cracks or other embankment integrity issues?	✓	Embankment in good condition
	Tears in liner?	✓	Liner in " "

Fauna Egress
Weeds - Yes - Dock increasing.

N - Top Pond Egress matting (fence wire needs repair 3 out of 4 corners, - bottom pond ok. Galahs drinking)

Appendix 3: Care & Maintenance Inspection Criteria & Checklist Inspection Schedule – Care & Maintenance		Ok?	Date: 20/10/2025
Item	Criteria	Y / N	Comments & Actions (if No)
Fuel Farm			
Integrity	Bunding Integrity?	✓	Main bund looks ok - but - doesn't hold water.
Spills	No spills (outside bunding)?	✓	None observed
	Re-fuelling bay and sump clean & tidy?	✓	Covered now in gravel - clean
	Fauna ✓ no entrapment issues.		- Oil bund wall washout - needs new bund in front + side repaired
Laydowns & Open areas			
	No spills?	✗	Under old loader - elsewhere ok
	oils etc bunding	✗	Minor oils unbanded (20L drums East side)
	No rubbish, loose tin etc, clean & tidy?	✓	clean & tidy generally
Landfill			
Active tip	Tipping face of active landfill trench <30m in length?	✓	
	Compliant waste only in landfill (No oily waste, chemicals, batteries, tyres etc)	✓	- One tyre ..
	No waste containing visible asbestos disposed at landfill?	✓	
	Waste covered by approximately 300mm of Inert Fill; (a) At least once a month while in use; and (b) Buried tyres to be covered as soon as practical.	N	- Very full - needs push up + cover
	Minimal windblown waste?	✓	- some tyres old - bury - Very clean surrounds
Drainage	Any ponding?	N	- Dry - but previous with rain
	Water runoff diverted away from landfill?	P.	- Tipping area ok, oil bay need diversion - Surface water a challenge.

Appendix 3: Care & Maintenance Inspection Criteria & Checklist Inspection Schedule - Care & Maintenance		Ok?	Date: 20/10
Item	Criteria	Y/N	Comments & Actions (if No)
	Storm-water bunds maintained around landfill trenches capable of diverting storm-water away from waste.	N	Challenge - talking to John
Tyres	Tyres in correct location, <100 in one spot?	✓	- could be buried - long storage..
	Disposed tyres buried appropriately?	✓	- yes - done well
Recycling	Recycling bunds orderly?	-	Sort of - need disposal of lots
	Oils, chemicals, batteries etc banded correctly?	N	batteries, oily waste in bags - need
	No spills?	✓	In banded areas only / disposal - have
	Oily waste containers have lids, banded ok, no spills?	N	- Partly - needs attention
Flora / Fauna	No weeds?	✓	- didn't see any dock.
	Feral activity minimal?	✓	" "
	No fauna deaths or entrapment?	✓	" "
WRL's - All			21/10
	Erosion?		
	Weeds?		- Yes. Levonima, Mags Luck (minimal but there) M1?
	Vegetation health?		
	Rehab status?		
Mags Luck ROM - sample laterite (stored - decent stockpile)			

22/10 - Bugeye WRL - South - veg ok top growing well, quite diverse, flowering + seeding A. ramulosa, Atriplex and others, still have patches but stable, ramp eroding but still drivable - just, west-side veg good, no erosion or weeds evident. Beg North WRL - Veg noticeably larger + healthy, some have patches, ramp eroding bad - exposing some dispersive rocks, but sediment captured by pit bund.