

Iluka Resources Limited

Audit of 2024 Performance Reports

Douglas Mine Pit 23 by-product disposal site

August 2026



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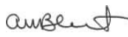
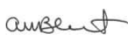
Audit of 2024 Performance Reports Douglas Mine Pit 23 by-product disposal site

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WSP acknowledges that every project we work on takes place on First Peoples lands.
We recognise Aboriginal and Torres Strait Islander Peoples as the first scientists and engineers and pay our respects to Elders past and present.

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1 Introduction

WSP Australia Pty Ltd (WSP) was engaged by Iluka Resources Limited (Iluka) to undertake an independent audit of the Performance Reports for the Pit 23 By-products Disposal Facility, located in the municipality of the Horsham Rural City in the Kanagulk area (the site). The independent audit (audit) is a requirement of Planning Permit 15-105 (the planning permit), issued by Horsham Rural City Council (Council). The Performance Reports, prepared by Iluka, provide a summary of the waste acceptance, monitoring and management undertaken at the site during the year ended 31 December 2024. The two Performance Reports prepared by Iluka for 2024 are as follows:

- Environmental Management Plan and Rehabilitation Performance Report – 2024 (Iluka, 2026a) (EMP Performance Report); and,
- Incoming Waste Monitoring Plan Performance Report - 2024 (Iluka, 2026b) (IWMP Performance Report).

The EMP Performance Report is audited against the reporting requirements listed in Section 12 of Iluka's *Pit 23 Environmental Management Plan Rev 5.1¹ (EMP)* (Iluka, 2020). Section 13.1.2 of the EMP requires that:

"... the selected auditor will be required to audit EMP and Rehabilitation Performance Report to confirm its completeness and accuracy in terms of compliance of the implementation of the plan and compliance with established standards and limits.

In addition to these audit functions the selected auditor will be invited to recommend amendments to the EMP to ensure future compliance."

Similarly, the IWMP Performance Report requires audit as per Section 5 of *Iluka's Pit 23 Incoming Waste Monitoring Plan Rev 5 (IWMP)* (Iluka, 2019), which states that:

"Reports will be provided to a suitably qualified auditor who will complete an audit of the data provided and compliance with this IWMP".

The Auditor's reviews of the 2024 Performance Reports are provided in Appendix A (IWMP) and Appendix B (EMP & RVMP). The 2024 Performance Reports are provided in Appendix C (IWMP) and Appendix D (EMP & RVMP).

The Performance Reports cover the period from 1 January 2024 to 31 December 2024. Revision 1 versions of the two Performance Reports were received by the Auditor on 20 April 2026.

A draft version of this Audit report was supplied to Iluka on 13 July 2026. Revised versions of the EMP Performance Report and IWMP Performance Report were prepared by Iluka following issue of the draft Audit report and were received by the Auditor on 27 July 2026 and 15 July 2026 respectively.

This final version of the Audit report is supplied on 12 August 2026 following receipt of updated performance reports from Iluka.

¹ In 2025, the EMP was revised to version 5.2 (Iluka, 2025a) and the IWMP was revised to version 5.1 (Iluka, 2025b). The revised management plans are awaiting approval from Horsham Rural City Council. The 2024 monitoring and reporting subject of this Audit were conducted to the requirements of version 5.1 of the EMP and version 5 of the IWMP.

2 Planning Permit Requirements

2.1 Methodology

The Performance Reports were audited against the relevant requirements of Section 5 of the IWMP and Section 12 of the EMP. Additional documentation was sought from Iluka as needed to provide evidence of compliance with relevant sections of the IWMP and EMP.

Due to the limited waste disposal activities occurring at the site during the reporting period, a site inspection was not conducted as part of the audit. Assessment was therefore limited to desktop review of the Performance Reports and supporting documentation.

The recommendations of the previous Performance Reports (2017-2023) were also considered and a review of Iluka's response to these recommendations is provided in Section 8.

The audit of the IWMP Performance Report, EMP Performance Report and actions undertaken regarding previous audit report recommendations assessed compliance according to:

- 'Compliant'. The information indicated that the relevant requirement of the planning permit or plan had been met.
 - 'Partially Compliant'. The information indicated that some, but not all, of the relevant requirement of the planning permit or plan had been met.
 - 'Not Compliant'. The information indicated that the relevant requirement of the planning permit or plan had not been met.
 - 'Not Applicable'. The relevant requirement was not applicable due to the operational status or the Auditor was unable to determine compliance due to the requirement being outside the scope of the audit.
-

2.2 Incoming Waste Monitoring Plan

The IWMP has been prepared to satisfy the requirements of Condition 14 of the Planning permit, namely:

14. Within 90 days of the commencement of this permit operating, an Incoming Waste Monitoring Plan (IWMP) must be submitted to the satisfaction of the responsible authority and the Department of Health and Human Services for approval by the responsible authority. Three copies of the IWMP must be submitted to the responsible authority. When approved by the responsible authority the IWMP will be endorsed and it will then form part of this permit. The IWMP must provide for:

- a. A monitoring and reporting system for ensuring that materials disposed of to Pit 23 are limited to those permitted under the conditions of this permit;*
- b. Recording of the origin, per load weight and radioactive properties of each incoming load;*
- c. Monitoring to ensure all vehicles transporting waste have fully secured and contained loads and that all waste loads have been transported in compliance with licensed requirements under the Radiation Act 2005;*
- d. Records of any transport incidents or spills and remedial actions taken in the event of such incidents; and*
- e. Annual auditing of records to verify compliance with the requirements of the IWMP.*

This audit has reviewed the IWMP Performance Report against relevant planning permit criteria, and Section 5 of the IWMP.

2.3 Environmental Management Plan

The EMP has been prepared by Iluka to satisfy the requirements of Conditions 16 to 33 of the Planning permit, and to provide a framework for the management and monitoring of disposal operations at Pit 23. The EMP outlines:

- The operational, environmental and legal context for the permitted development;
- The operational methods to be used;
- Environmental issues that could compromise environmental performance if not managed appropriately; and,
- The monitoring program to be used for assessing the environmental performance and impact of Pit 23.

This audit has reviewed the EMP Performance Report against relevant planning permit criteria, and Section 12 (Reporting) and 13.1 (EPA Accredited Auditor Functions) of the EMP.

2.4 Rehabilitation and Vegetation Management Plan

The *Rehabilitation and Vegetation Management Plan 2017* (RVMP) has been prepared by Iluka to provide a detailed management framework for rehabilitation of Pit 23. The RVMP outlines:

- The end use and rehabilitation objectives for the subject land;
- The methods to be used for rehabilitation and revegetation;
- Key issues that may compromise rehabilitation outcomes; and,
- Completion criteria and further monitoring post completion.

In relation to the audit of the *Rehabilitation and Vegetation Management Plan 2017*, the relevant planning permit requirements are:

42: The permit holder must prepare an EMP and Rehabilitation performance review report covering its compliance requirements under the various sub-components of the EMP and RVMP for provision to a suitably qualified environmental auditor as agreed by the Responsible Authority annually or less frequently as agreed to in writing, by the Responsible Authority.

43: The environmental auditor must review the EMP and Rehabilitation performance review report and provide conclusions on the report's content against its key sub-components, and recommendations for any required amendments to the plans ('auditor's review').

As of the writing of this audit, Pit 23 is undergoing rehabilitation through the placement of intermediate cover and overburden. Revegetation has not yet been undertaken by Iluka.

3 Environmental Auditor

This audit review was undertaken by Alex Blount who is appointed as an Environmental Auditor (Contaminated Land) under the *Environment Protection Act 2017* (the Act).

Alex is principal risk assessor, geological and environmental engineer with over 30 years of experience in analysis, design, project management and implementation of environmental investigation, management and remediation projects.

His particular focus includes health and environmental risk assessment as tools in the sustainable management of environmental issues. He has consulted to industry and regulators in the development of sustainable remediation guidance, contamination and risk assessment specifications.

Additional areas of experience include development of environmental management systems; regulatory chemical and toxicological review for industrial chemical and pesticide registration; geological engineering analysis and design; environmental due diligence audits; mineral resource estimation and design. Alex is currently engaged in environmental analysis and advisory roles for a number of significant Australian earth resource projects in sensitive environments.

In undertaking this review, Alex was supported by the following WSP personnel:

- Patrick Dunne, Associate Environmental Consultant
- Stephen Makin, Principal Hydrogeologist
- Veronica Tanti, Environmental Consultant.

4 Site Location

The Douglas Mineral Sands Mine (shown in Figure 4.1) is located in the municipality of the Horsham Rural City in the Kanagulk area. Iluka produces a number of by-products from its heavy mineral processing operation at its mineral separation plant (MSP) in Hamilton. The by-products produced from this processing are transported by truck from the Hamilton site to the Douglas Mine Site, where it is then disposed of in a mining void known as Pit 23. Pit 23 is shown in Figure 4.1. The IWMP, EMP and RVMP apply management controls specifically to Pit 23 and its associated operations.

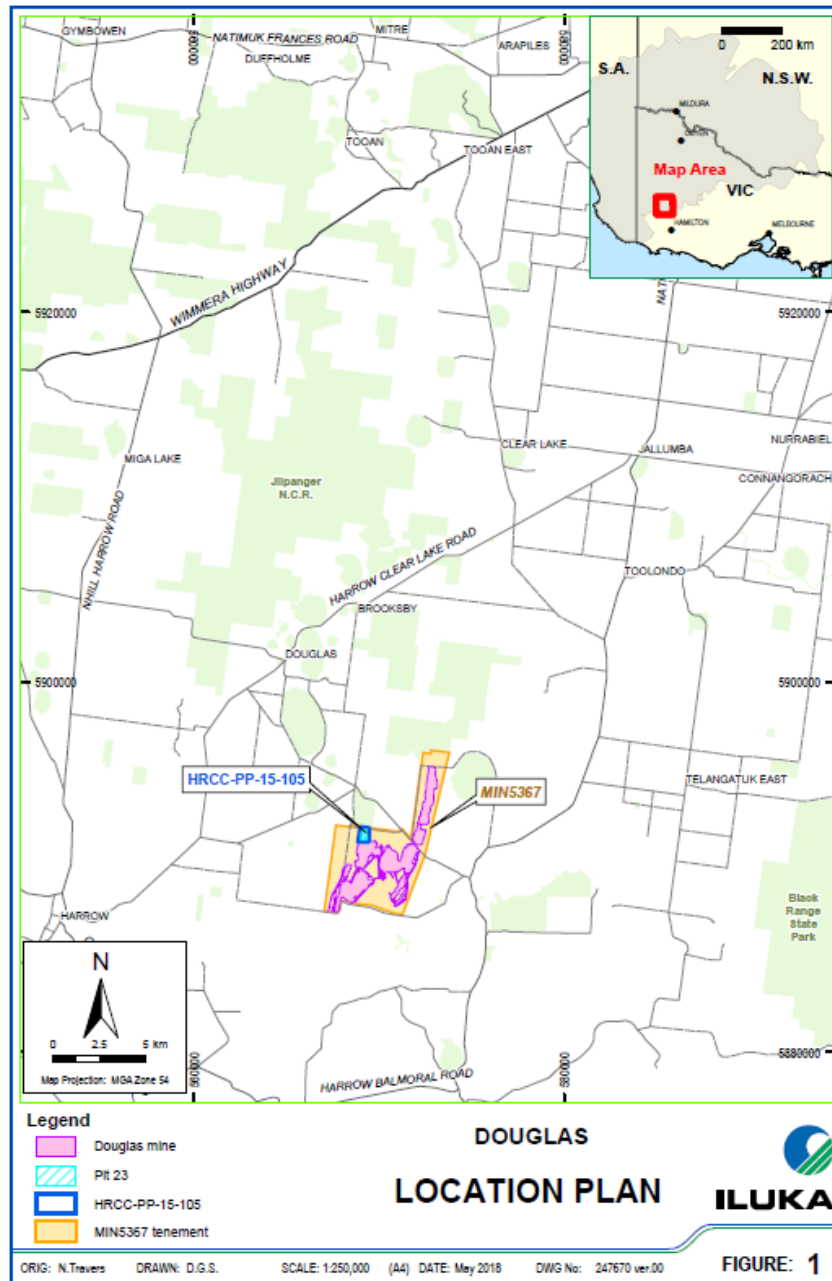


Figure 4.1 Site Location

5 Incoming Waste Monitoring Plan Performance Report

The Auditor's review of the IWMP Performance Report is attached as Appendix A. The review found that the Performance Report is in accordance with Section 5 of the IWMP.

6 Environmental Management Plan and Rehabilitation Performance Report

The Auditor's review of the EMP Performance Report is attached as Appendix B. The review found that the Performance Report is in accordance with Section 12 of the EMP with the exception of one issue as noted and the Auditor makes the following recommendation to address the issue:

- Field Quality Assurance and Quality Control (QA/QC) sampling (duplicates, blanks) was not conducted for the first part of 2024 but was compliant for groundwater from August 2024 onwards. Iluka should continue to conduct field QA/QC sampling for groundwater, as implemented in the later part of 2024. Laboratory reports including QA/QC results and assessment should be included with the annual report.

Additionally, the Auditor makes the following recommendations:

- The required QA/QC measures for surface water should be implemented and the results assessed and reported to indicate data quality.
- To allow timely auditor review of the EMP Performance Reports, it is recommended that Iluka provides Performance Reports to the auditor within a reasonable timeframe following completion of the respective reporting period. This will also allow any recommendations arising from the review to be considered and addressed in the following reporting period.

7 Rehabilitation and Vegetation Management Plan

The RVMP reporting requirements are listed in Section 2.4 of this report. Iluka's 2024 Performance Report for the RVMP was included in the 2024 EMP Performance Report.

Section 2.6 of the EMP Performance Report states that rehabilitation works continued during 2024 with 733,943 banked cubic metres of materials being deposited into Pit 23 during the 2024 reporting period, consisting of:

- Approximately 412,908 banked cubic metres of non-target materials such as sand, clays and oversize material generated during the extraction and on-site processing of ore at the Douglas mine, used as intermediate cover as per the Section 8.3 of the RVMP.
- Approximately 321,035 banked cubic metres of overburden placed on top of the intermediate cover as per Section 8.3 of the RVMP.

Waste deposited into Pit 23 is identified in Section 3 of the EMP Performance Report. The EMP Performance Report stated that no waste was deposited into Pit 23 during the reporting period.

The Auditor makes the following recommendation:

- Conduct a review of the RVMP in accordance with the review schedule.

8 Other Previous Audit Findings

The audit of 2017 Mineral Sands By-product disposal reports (AECOM, 2018) was the first audit of the IWMP and EMP undertaken. Further audits were undertaken for the period between 2018 - 2023 by Golder and WSP (Golder, 2018; Golder, 2019; Golder, 2020a; Golder, 2020b; Golder, 2021; Golder, 2022a; WSP Golder, 2022b; WSP, 2023; WSP, 2026).

Iluka has responded to recommendations in the previous reporting periods with responses documented in the audit reports applicable to those reporting periods. Ongoing or outstanding recommendations are provided in Table 8.1.

Table 8.1 Response to previous audit recommendations

Previous Audit Recommendation	Observation	Action Completed in 2024?	Recommendations
General Recommendations			
H1 2021 (Golder, 2022a)	Future revisions of the EMP & IWMP should reflect regulatory changes associated with the introduction of the <i>Environment Protection Act 2017</i> (the Act) from 1 July 2021. Under the Act, the State Environment Protection Policy (SEPP Waters) was superseded by the Environment Reference Standard (ERS). However, the elements of the SEPP referenced in the EMP have been maintained in the ERS, so the change does not require changes to the monitoring and assessment program, and updates may be made at the next required 3-year interval.	Updated versions of the Plans were provided by Iluka: - EMP (Rev 5.2 (Proposed), dated 5 September 2025. - IWMP (Rev 5.1, dated 5 September 2025. Both updated plans include the regulatory changes associated with the introduction of the Act.	None.
2022 (WSP, 2023)	The new reported groundwater quality results should be compared to previous background conditions (i.e., calculated without including the new results). If the new results are considered to be consistent with natural background, they can then be included in a revised background for comparison with future results.	Iluka advised that groundwater and surface water results had been considered in the updated EMP. However, objectives based on background concentrations in Table 11 and Table 22 of the EMP were not changed from version 5.1 to 5.2.	None.
2022 (WSP, 2023)	In the event of future exceedances of the PM ₁₀ air quality limit Iluka should consider including assessment of relevant meteorological data in its assessment of likely contributing sources.	Section 4.7 of the EMP Performance Report states that four results were recorded above the PM ₁₀ concentration limit (0.06 mg/m ³) during the 2024 reporting period at the Chadwicks or Lyons monitoring stations.	In the event of future exceedances of the PM ₁₀ air quality limit Iluka should continue to consider including assessment of relevant meteorological data in its assessment of likely contributing sources, for all elevated values.

Previous Audit Recommendation	Observation	Action Completed in 2024?	Recommendations
		Weather observations were identified as a likely contributing source for one exceedance: - December elevated result at Chadwicks notes dry and dusty conditions with harvesting occurring at the adjacent properties. Stubble burn off in adjacent paddocks was identified as a likely contributing source for the other three exceedances in February and March 2024.	
2022 (WSP, 2023)	Iluka should review Section 2.5 of the IWMP Performance Report and Section 5 of the IWMP to ensure contents align. Section 2.5 of the IWMP Performance Report incorrectly refers to Section 6 of the IWMP instead of Section 5, and the stated reporting requirements do not align with those in Section 5 of the IWMP.	This recommendation was implemented in Revision 2 of the 2024 Performance Report.	None.
2022 (WSP, 2023)	Iluka should review the radioactivity testing methodology for MSP mineral by-product as stated in Section 3 of the IWMP. Consideration should be given to the suitability of applying EPA Publication 702 to the testing of MSP mineral by-products.	No amendments were made to the radioactivity testing methodology for MSP mineral by-product. The IWMP Performance Report states that no wastes were deposited into Pit 23 in 2024. It is expected that no more waste will be received at the site, and therefore no testing will be required for future reporting periods.	None.

Previous Audit Recommendation	Observation	Action Completed in 2024?	Recommendations
2022 (WSP, 2023)	Iluka should review the units used for measuring and reporting the average concentration of uranium and thorium in used filter bags, and amend the IWMP and/or IWMP Performance Report accordingly.	No amendments were made to the units used for measuring and reporting uranium and thorium. The IWMP Performance Report states that no wastes were deposited into Pit 23 in 2024. It is expected that no more waste will be transported to site, and therefore no testing will be required for future reporting periods.	None.
2022 (WSP, 2023)	Conduct a review of the EMP, IWMP and RVMP during the 2025 reporting period in accordance with the review schedules. The EMP, IWMP and RVMP are overdue for review as per their review schedules. - EMP – three-yearly review schedule, last review 16 December 2020. - IWMP – three-yearly review schedule, last review 16 December 2020. - RVMP – two-yearly review schedule, last review 7 June 2017.	Reviews for each plan were not completed in 2024. Despite reviews not being completed in 2024, Iluka have provided updated versions of the EMP and IWMP, with review and updates completed on 5 September 2025. No updated RVMP was provided.	Conduct a review of the RVMP in accordance with the review schedule.
2023 (WSP, 2026)	Limited Quality Assurance and Quality Control (QA/QC) sampling was reported, consisting of one duplicate groundwater sample for the year, and no field blanks or surface water QA/QC, below the rate required by the EMP. QA/QC programs should be implemented as specified, the results assessed following each sampling round so corrective measures can be taken if required,	Although no field QA/QC results were supplied for the January 2024 or July 2024 site-wide groundwater sampling rounds, QA/QC sampling was conducted from August 2024, with field blanks and duplicates collected and reported. Iluka advise this was continued into 2025.	None.

Previous Audit Recommendation	Observation	Action Completed in 2024?	Recommendations
	and data quality validation reported in the annual report, including field and laboratory QA/QC measures.		

9 References

- AECOM, 2018. Audit of 2017 Mineral Sands By-product Disposal Annual Reports (60589772-R002).
- Golder Associates, 2018. Audit of 2018 Mineral Sands By-product Disposal EMP and IWMP Annual Reports (19121052-001-Rev0).
- Golder Associates, 2019. Audit of H1 2019 Mineral Sands By-product Disposal EMP and IWMP Annual Reports (19121052-003-Rev1).
- Golder Associates, 2020a. Audit of H2 2019 EMP and IWMP Performance Reports, Douglas Mine Pit 23 by-product disposal site (19121052-006-Rev1).
- Golder Associates, 2020b. Audit of H1 2020 EMP and IWMP Performance Reports, Douglas Mine Pit 23 by-product disposal site (19121052-009-Rev0).
- Golder Associates, 2020c. Review of Updated EMP and IWMP (19121052-004-L-Rev0).
- Golder Associates, 2021. Audit of H2 2020 Performance Reports, Iluka Resources Limited, Douglas Mine Pit 23 by-product disposal site (19121052-011-Rev0).
- Golder Associates, 2022a. Review of H1 2021 Performance Reports, Iluka Resources Limited, Douglas Mine Pit 23 by-product disposal site (19121052-013-R-Rev0).
- Iluka Resources Ltd, 2016. Radiation Management Plan- Murray Basin Operations (Rev2) August 2016.
- Iluka Resources Ltd, 2017. Rehabilitation and Vegetation Management Plan (Rev3) 12 April 2017.
- Iluka Resources Ltd, 2019. Incoming Waste Monitoring Plan (Rev 5), 29 October 2019. (UDOCs 0058-1414587248-851).
- Iluka Resources Ltd, 2020. Environmental Management Plan (Rev 5.1), 18 August 2020.
- Iluka Resources Ltd, 2021a. Planning Permit 15-105, EMP & Rehabilitation Performance Report – H2 2020. (UDOCs 0058-1414587248-1098, Final Rev0).
- Iluka Resources Ltd, 2021b. Planning Permit 15-105, Incoming Waste Monitoring Plan Report H2 – 2020 (UDOCs 0090-426461582-2341, Final Rev0).
- Iluka Resources Ltd, 2021c. Planning Permit 15-105, EMP & Rehabilitation Performance Report – H1 2021. (UDOCs 0058-1414587248-2780, Final Rev0).
- Iluka Resources Ltd, 2021d. Planning Permit 15-105, Incoming Waste Monitoring Plan Report H1 – 2021 (UDOCs 0090-426461582-2769, Final Rev0).
- Iluka Resources Ltd, 2021c. Planning Permit 15-105, EMP & Rehabilitation Performance Report – H2 2021. (UDOCs 0090-426461582-2779, Final Rev0).
- Iluka Resources Ltd, 2021d. Planning Permit 15-105, Incoming Waste Monitoring Plan Report H2 – 2021 (UDOCs 0090-426461582-2900, Final Rev0).
- Iluka Resources Ltd, 2023a. Planning Permit 15-105, EMP & Rehabilitation Performance Report 2022 (UDOCs 0090-426461582-2779, Final Rev v1).
- Iluka Resources Ltd, 2023b. Planning Permit 15-105, Incoming Waste Monitoring Plan Report 2022 (UDOCs 0090-426461582-2900, Final Rev1).
- Iluka Resources Ltd, 2024a. Planning Permit 15-105, EMP & Rehabilitation Performance Report 2023 (UDOCs 3867-39868-147628, Final Rev v3).

Iluka Resources Ltd, 2024b. Planning Permit 15-105, Incoming Waste Monitoring Plan Report 2023 (UDOCs 3867-39868-147945, Final Rev3).

Iluka Resources Ltd, 2025a. Environmental Management Plan (Rev 5.2 proposed), 5 September 2025. (MRXZTXADUCSC-386739868-167853).

Iluka Resources Ltd, 2025b. Incoming Waste Monitoring Plan (Rev 5.1), 5 September 2025. (RXZTXADUCSC-386739868-167910).

Iluka Resources Ltd, 2026a. Planning Permit 15-105, Environmental Management Plan and Rehabilitation Performance Report - 2024 (MRXZTXADUCSC-386739868-168699, Rev2), 15 July 2026².

Iluka Resources Ltd, 2026b. Planning Permit 15-105, Incoming Waste Monitoring Plan - Report 2024 (MRXZTXADUCSC-386739868-168353), 15 July 2026.

WSP Golder, 2022b. Audit of H2 2021 Performance Reports, Iluka Resources Limited, Douglas Mine Pit 23 by-product disposal site (PS132009-001-R-Rev0).

WSP, 2023. Audit of 2022 Performance Reports, Iluka Resources Limited, Douglas Mine Pit 23 by-product disposal site (PS207028-WSP-MEL-ENV-REP-001-RevB).

WSP, 2026. Audit of 2023 Performance Reports, Iluka Resources Limited, Douglas Mine Pit 23 by-product disposal site (PS217673-WSP-MEL-ENV-REP-001-RevC).

Iluka Analytic Sampling Procedures

Analytical - Analysis using XRF 11/06/2015.

Analytical - Moisture Determination 10/09/2015.

Analytical - Sample Preparation - Fusion of Heavy Mineral 4/12/2008.

Analytical - Sample Preparation - Pulverising Grinding Samples 18/10/2014.

Analytical - Sample Preparation - Riffle Splitting 23/10/2014.

Analytical - XRF QA 23/07/2018.

High Volume Air Sampler, Sampling Procedure 26/07/2017.

Trucking Procedures

Work Instruction for Loading of Monazite & Ilmenite CL product at Iluka MSP V8 Kalari P/L 28/09/2015.

Emergency Response Procedure for Non Conductor Magnetics V2 Kalari P/L 8/02/2011.

Work Instruction for unloading MSP rejects at Pit 23 V2 Kalari P/L 13/08/2015.

² Received by the Auditor on 27 July 2026.

10 Limitations

This Report is provided by WSP Australia Pty Limited (*WSP*) for Iluka Resources Limited (*Client*) in response to specific instructions from the Client and in accordance with WSP's proposal dated 8 December 2025 and agreement with the Client dated 8 December 2025 (*Agreement*).

PERMITTED PURPOSE

This Report is provided by WSP for the purpose described in the Agreement and no responsibility is accepted by WSP for the use of the Report in whole or in part, for any other purpose (*Permitted Purpose*).

QUALIFICATIONS AND ASSUMPTIONS

The services undertaken by WSP in preparing this Report were limited to those specifically detailed in the Report and are subject to the scope, qualifications, assumptions and limitations set out in the Report or otherwise communicated to the Client.

Except as otherwise stated in the Report and to the extent that statements, opinions, facts, conclusion and / or recommendations in the Report (*Conclusions*) are based in whole or in part on information provided by the Client and other parties identified in the report (*Information*), those Conclusions are based on assumptions by WSP of the reliability, adequacy, accuracy and completeness of the Information and have not been verified. WSP accepts no responsibility for the Information.

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This Report can only be relied upon for the Permitted Purpose and may not be relied upon for any other purpose. The Report does not purport to recommend or induce a decision to make (or not make) any purchase, disposal, investment, divestment, financial commitment or otherwise. It is the responsibility of the Client to accept (if the Client so chooses) any Conclusions contained within the Report and implement them in an appropriate, suitable and timely manner.

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DISCLAIMER

No warranty, undertaking or guarantee whether expressed or implied, is made with respect to the data reported or the Conclusions drawn. To the fullest extent permitted at law, WSP, its related bodies corporate and its officers, employees and agents assumes no responsibility and will not be liable to any third party for, or in relation to any losses, damages or expenses (including any indirect, consequential or punitive losses or damages or any amounts for loss of profit, loss of revenue, loss of opportunity to earn profit, loss of production, loss of contract, increased operational costs, loss of business opportunity, site depredation costs, business interruption or economic loss) of any kind whatsoever, suffered on incurred by a third party.

Appendix A

IWMP Performance Report Review



Source & Requirement	Observations (2024)	Compliance	Recommendations
Planning Permit			
Clause 14: Within 90 days of the commencement of this permit operating, an Incoming Waste Monitoring Plan (IWMP) must be submitted to the satisfaction of the responsible authority and the Department of Health and Human Services for approval by the responsible authority. Three copies of the IWMP must be submitted to the responsible authority. When approved by the responsible authority the IWMP will be endorsed and it will then form part of this permit. The IWMP must provide for:		Compliant	
A monitoring and reporting system for ensuring that materials disposed of to Pit 23 are limited to those permitted under the conditions of this permit.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
Recording the origin, per load weight and radioactive properties of each incoming load.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period. Therefore, there is no data to populate Section 3.1 and 3.2 of the IWMP Performance Report, detailing individual load data, and quantities and radioactivity for disposed MSP by-products.	Compliant	
Monitoring to ensure all vehicles transporting waste have fully secured and contained loads and that all waste loads have been transported in compliance with licensed requirements under the Radiation Act 2005.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period. Therefore, there were no vehicles transporting waste which would require monitoring.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
Records of any transport incidents or spills and remedial actions taken in the event of such incidents.	Section 3.3.1 of the IWMP Performance Report states that no transport incidents or spillages occurred during the 2024 reporting period.	Compliant	
Annual auditing of records to verify compliance with the requirements of the IWMP.	This report is provided in accordance with the requirement of the IWMP.	Compliant	
Clause 15: Amendments to the IWMP must be to the satisfaction of the responsible authority and Department of Health and Human Services and must only be made on written approval of the responsible authority.	No amendments to the IWMP were undertaken during the 2024 reporting period. However, Iluka have provided an updated version of the IWMP, with an update to reflect regulatory changes. The updated IWMP was dated 5 September 2025. Iluka provided evidence that the IWMP was sent to the Responsible Authority (Council) for endorsement on 20 April 2026, and the Department of Health and Human Services for endorsement on 16 July 2026.	Compliant	
IWMP Section 2 Acceptance Criteria			
2.1 Source Sites. Disposal to Pit 23 is restricted to materials that are listed under Section 1.4, above. <i>i.e.</i> : - the Hamilton Mineral Separation Plant (MSP); - the Douglas Mineral Sands Mine; - the Kulwin mineral sands mine site; - Woornack, Rownack and Pirro (WRP) mine site; - Heavy Mineral Concentrate (HMC) storage and train loading facilities at Hopetoun; and	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
- Facilities operated by transport contractors associated with the Port of Portland.			
2.2 NORM contamination. Disposal to Pit 23 is restricted to materials that contain and are contaminated with naturally occurring radioactive material (NORM), which are: - mineral by-products from the Hamilton MSP, including gypsum produced at the MSP; - used Bag-house dust filter bags (used filter bags); and - concrete or steel from the sites listed in Section 1.4 of the IWMP (<i>summarised above</i>).	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
2.2.1 Mineral separation plant by-products. The Hamilton MSP by-products to disposed into Pit 23 are: - Wet circuit rejects; - Dry circuit rejects; - Gypsum; and - any combination of the above (i.e. where these waste streams are mixed or blended to improve consistency and to achieve the required ‘spadeable’ consistency). Ongoing monitoring of by-product materials destined for Pit 23 will be conducted as confirmation of compliance to the waste acceptance criteria specified in the Permit.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
2.2.2 Bag-house dust filter bags. Monitoring of dust filter bags will be conducted to confirm that they contain NORM prior to transport to Douglas for disposal.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
2.2.3 NORM-contaminated concrete and steel. The classification of material for acceptance or otherwise into Pit 23 is outlined in Section 3.3.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
2.3 Material Description and physical form. Import for disposal into Pit 23 is restricted to the following materials: - non-liquid waste by-products associated with or sourced through mineral sands processing undertaken at the Hamilton MSP containing or contaminated with NORM; - used dust filter bags from the Hamilton MSP containing or contaminated with NORM; and - NORM-contaminated concrete and steel associated with plant and infrastructure from the sites listed in Section 1.4 above. The waste acceptance criteria related to material description and physical form relates principally to the MSP by-products which must be in dry or moist 'spadeable' (i.e. non-liquid or slurry) form.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
IWMP Section 3. Monitoring program			
3.1.1 Sampling. During normal MSP operations, the presence of NORM within MSP by-products is monitored as per Table 2. This includes automated or manual sampling and quality measurement of relevant by-product streams. Under non-routine MSP operations (e.g. maintenance shut-downs and idle periods), sampling and measurement of by-	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period. Therefore, no sampling was undertaken.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations																																	
products occurs through representative manual sampling as/when required. The number of samples collected is determined by the volume of by-product material in accordance with the <i>EPA Victoria Soil Sampling for Waste Soils Guidance (EPA Publication 702.2, May 2024)</i>, and the <i>Sampling and Analysis of Waters, Wastewaters, Soils and Waste Guidance (EPA Publication 701, June 2009)</i>. Table 2: MSP by-product sampling and quantity measurement <table><tr><th></th><th>Sampling Method</th><th>Quantity Measurement Method</th></tr><tr><td colspan="3">Wet Circuits Rejects</td></tr><tr><td>FPC Sand Tailing</td><td>Automatic Sampler within plant producing daily composite sample.</td><td>Continuous flow and density measurement to provide daily solids tonnage</td></tr><tr><td>FPC Fines</td><td>Manual sample from thickener underflow collected daily</td><td>Continuous density measurement and volume measurement from positive displacement pump operation to provide daily solids tonnage</td></tr><tr><td>ZWC Sand Tailings</td><td>Automatic Sampler within plant producing daily composite sample.</td><td>Continuous flow and density measurement to provide daily solids tonnage</td></tr><tr><td colspan="3">Dry Circuits Rejects</td></tr><tr><td>PDC Non-Conductor magnetics</td><td>Automatic Sampler within plant producing daily composite sample.</td><td>Weightometer integrated to provide daily tonnage.</td></tr><tr><td>PDC Magnetics</td><td>Automatic Sampler within plant producing daily composite sample.</td><td>Weightometer integrated to provide daily tonnage.</td></tr><tr><td colspan="3">Gypsum</td></tr><tr><td>Gypsum</td><td>Manual sample from bunker collected daily</td><td>Continuous density measurement and volume measurement from positive displacement pump operation to provide daily solids tonnage</td></tr><tr><td colspan="3">FPC = Feed prep circuit ZWC = Zircon wet circuit PDC = Primary dry circuit</td></tr></table>		Sampling Method	Quantity Measurement Method	Wet Circuits Rejects			FPC Sand Tailing	Automatic Sampler within plant producing daily composite sample.	Continuous flow and density measurement to provide daily solids tonnage	FPC Fines	Manual sample from thickener underflow collected daily	Continuous density measurement and volume measurement from positive displacement pump operation to provide daily solids tonnage	ZWC Sand Tailings	Automatic Sampler within plant producing daily composite sample.	Continuous flow and density measurement to provide daily solids tonnage	Dry Circuits Rejects			PDC Non-Conductor magnetics	Automatic Sampler within plant producing daily composite sample.	Weightometer integrated to provide daily tonnage.	PDC Magnetics	Automatic Sampler within plant producing daily composite sample.	Weightometer integrated to provide daily tonnage.	Gypsum			Gypsum	Manual sample from bunker collected daily	Continuous density measurement and volume measurement from positive displacement pump operation to provide daily solids tonnage	FPC = Feed prep circuit ZWC = Zircon wet circuit PDC = Primary dry circuit					
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Source & Requirement	Observations (2024)	Compliance	Recommendations
3.1.2 Analysis Analysis of MSP by-product samples to determine uranium and thorium concentrations in ppm is undertaken using X-ray fluorescence (XRF) spectrometry either by an Iluka internal laboratory or an external laboratory. During routine MSP operations, assay results are uploaded into Iluka's production statistics database as are the results of tonnage measurements of the various streams. The data is then used to calculate the uranium and thorium concentrations in each of the wet circuits rejects, dry circuits rejects and gypsum. Under non-routine MSP operations, analytical results (such as laboratory reports) are retained with corresponding tonnage information obtained through weighbridge data per Section 3.4 below.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period. Therefore, no sampling was undertaken.	Compliant	
3.1.3 Classification for disposal to Pit 23 Analysis for uranium and thorium concentrations is undertaken for purposes of confirming that the by-products contain or are contaminated with NORM in accordance with waste acceptance criteria under the Permit.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
3.2 Bag-house dust filter bags 3.2.1 Sampling Sampling of used bag-house dust filter bags is to be undertaken prior to transport to Pit 23. Samples approximately 100x100 mm are cut from at least five randomly-selected filter bags per consignment with each sample submitted for analysis. For small consignments of five bags or less a sample is taken from each bag.	No bag-house dust filter bags were disposed to Pit 23 during the 2024 reporting period.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
3.2.2 Analysis Filter bag samples are submitted to an external laboratory for analysis of uranium and thorium. Gamma spectrometry is used to determine activity concentrations for uranium and thorium decay chain, reported as Bq/g.	No bag-house dust filter bags were disposed to Pit 23 during the 2024 reporting period.	Compliant	
3.2.3 Classification for disposal to Pit 23 Analysis for uranium and thorium concentrations is undertaken only for purposes of confirming that they contain or are contaminated with NORM in accordance with waste acceptance criteria under the Permit.	No bag-house dust filter bags were disposed to Pit 23 during the 2024 reporting period.	Compliant	
3.3 NORM contaminated concrete and steel NORM contamination on concrete and steel wastes is predominantly as surface contamination within paints, coatings and residues on the surface of such wastes. The underlying concrete and steel substrate is typically not contaminated however the radioactive paints, coatings and residues cannot be effectively, safely or economically removed. On this basis, the determination of whether steel is radiologically-contaminated (i.e. classified as ‘radioactive’ under the Act and suitable for disposal into Pit 23) is based on the total mass of the steel or concrete waste.	No NORM contaminated concrete or steel was disposed to Pit 23 during the 2024 reporting period.	Compliant	
3.3.1 Identification of NORM-contamination Identification of NORM-contamination on concrete and steel will be through a combination of surface radiation survey with handheld detectors measuring alpha and beta radiation, and gamma dose rates.	No NORM contaminated concrete or steel was disposed to Pit 23 during the 2024 reporting period.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
3.3.2 Classification for disposal to Pit 23 NORM-contaminated concrete and steel will be classified and disposed as per Section 3.3.2 of the IWMP, i.e.: - items exhibiting no or low alpha/beta levels and dose rates and assessed as being not-radioactive will be disposed to third-party facilities as either recyclable scrap or waste-to-landfill. - Items identified as surface-contaminated and classified as radioactive will be disposed to Pit 23. - Items identified as inherently radioactive will be disposed to Pit 23.	No NORM contaminated concrete or steel was disposed to Pit 23 during the 2024 reporting period.	Compliant	
3.4 Load weights and records 3.4.1 Load weights In accordance with heavy vehicle mass management requirements under Chain of Responsibility legislation administered by the Department of Jobs, Precincts and Regions (DJPR), the weight of every truck load of material to be disposed of is measured at the point of loading, or the nearest possible location, prior to transport to Pit 23. The load weight is measured by one of the following means: - calibrated weighbridge; - calibrated on-board weighing systems (such as airbag weightometers); - any other mass measurement system or methodology approved by the DEDJTR for demonstrating compliance with heavy vehicle mass management requirement.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
3.4.2 Load descriptions For each individual load, the following information shall be recorded in an electronic data management system: - source site; - load weight; - material description; - radioactive properties of the material to be transported, being: — for MSP by-products, the average concentrations of uranium and thorium in MSP by-products determined through weekly analysis (normal MSP operations) or representative sampling (non-routine MSP operations); — for used filter bags, the measured concentrations of uranium and thorium; — for contaminated scrap steel and concrete, the activity concentration of the radionuclides present in the fixed-contamination or associated with the object (whichever applies).	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
3.5 Summary of monitoring program The monitoring program associated with this IWMP is summarised in Table 3.	No wastes were disposed into Pit 23 during the 2024 reporting period, therefore observations on the monitoring program are not applicable.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
IWMP Section 4 Control of access for disposal			
Prior to transport of materials to be disposed of in Pit 23, vehicles and loads will be checked for compliance with the ARPANSA Code of Practice for Safe Transport of Radioactive Material. Deliveries of waste for disposal to Pit 23 must enter the site via Elliotts Road and the mine access road shown on the site plan (Figure 2). All vehicles entering the site, including those carrying materials for disposal to Pit 23, must be authorised and must pass through a boom gate that may only be opened with a swipe card issued to authorised personnel or by an authorised Iluka employee at the site office. Each vehicle must then stop at the site office to: - provide a record of the load being delivered (origin, material type, load weight); and - comply with any site-specific requirements that apply for entering the site. Vehicles carrying materials for disposal for which the required information is not provided or is not in conformance with the permitted use will not be allowed transport wastes to Pit 23.	No wastes were disposed into Pit 23 during the 2024 reporting period and no waste materials were transported to site, therefore no vehicle or load checks were required.	Compliant	
IWMP Section 5 Reporting			
All data generated from the monitoring described above will be recorded electronically in a data base managed by Iluka.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
On an annual basis (or other frequency as agreed with the Responsible Authority) a report will be prepared showing the following: For each load: - Iluka source site; - load weight; - material description; - radioactive properties being: — for MSP by-products, the average concentrations of uranium and thorium in determined through weekly analysis (normal MSP operations) or representative sampling (non-routine MSP operations); — for used filter bags, the measured concentrations of uranium and thorium in Bq/g; — for contaminated scrap steel and concrete, NORM nuclide activity concentrations in Bq/g, as determined through representative sampling.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23 during the 2024 reporting period.	Compliant	
For the report period: - the total quantities of materials disposed of to Pit 23; and - records of any transport incidents or spills and remedial actions taken in the event of such incidents.	Section 3 of the IWMP Performance Report states that no wastes were disposed into Pit 23, and no transport incidents or spillages occurred during the 2024 reporting period.	Compliant	
Reports will be provided to a suitably qualified auditor who will complete an audit of the data provided and compliance with this IWMP.	This report is provided in accordance with the requirement of the IWMP.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
Copies of the Iluka Report and the audit report will be submitted to the Responsible Authority.	As the Auditor understands that Iluka will submit the performance reports and the audit report when complete, compliance with this requirement cannot be verified. Iluka has advised that the previous IWMP Performance Report has been submitted to Council.	Compliant	
IWMP Section 6 Plan review and amendment			
This plan will be reviewed every three (3) years at a minimum, but may be reviewed at any time for the following reasons: - advances in knowledge and technology pertaining to disposal. This includes updated information obtained through technical studies and investigations; - changes in application legislation, environmental protection policies and regulatory standards and guidelines; - any significant changes in operations; - changes in applicable legislation or standards; - changes in Iluka's HSEC Management System standards; and - in response to recommendations of an EPA Accredited Auditor made when undertaking plan review/endorsement or Performance Report Reviews.	Section 2.3 of the IWMP Performance Report states that a review of the IWMP (Rev 4) was undertaken in 2020 with the revised plan (Rev 5) submitted to Council for review and approval on the 16 December 2020. Council provided formal endorsement of the plans on the 29 September 2021. EPA Publication 702 was superseded by EPA Publication 702.2 in May 2024 and does not provide information on soil sampling for solid wastes other than soil.	Compliant	

Source & Requirement	Observations (2024)	Compliance	Recommendations
Amendments of this plan will be prepared to the satisfaction of the Responsible Authority and the Department of Health and Human Services.	No amendments to the IWMP were undertaken during the 2024 reporting period. A review of the IWMP was completed in September 2025 to address WSP auditor recommendations. Iluka provided evidence of the revised IWMP being sent to the Responsible Authority (Council) for endorsement on 20 April 2026, and the Department of Health and Human Services for endorsement on 14 July 2026.	Compliant	

Appendix B

EMP Performance Report Review



EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
General			
Applicable Reporting Period Time period covered by report	The 2024 EMP Performance Report covers the reporting period from 1 January 2024 to 31 December 2024.	Compliant	-
Executive Summary Summary of compliance to environmental objectives. Summary of rehabilitation activities and performance.	Section 1 contains an Executive Summary which includes a summary of compliance with environmental objectives.	Compliant	-
Waste Disposal Summary			
Waste Disposed Summary of waste volumes disposed in the reporting period.	Section 2.6 of the EMP Performance Report states that rehabilitation works continued with 733,943 banked cubic metres of materials from the site being deposited into Pit 23 during the 2024 reporting period. The source of the material is specified as follows: - 412,908 cubic metres of intermediate cover, consisting of non-target materials such as sand, clays and oversize material generated during the extraction and on-site processing of ore at the Douglas mine, as described in Section 8.3 of the RVMP and Section 1.4.1 of the IWMP. - 321,035 cubic metres of overburden was placed on the intermediate cover as described in Section 8.3 of the RVMP.	Compliant	-

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
	Waste deposited into Pit 23 is identified in Section 3 of the EMP Performance Report. Where it states that no wastes were disposed into Pit 23 during the 2024 reporting period.		
Pit Backfill Status The maximum elevation of the upper surface of materials disposed of at the end of the reporting period.	Section 5.2 of the EMP Performance Report states that the upper surface of material deposited into Pit 23 was raised to 202 m AHD from 196 m AHD (2023 figure), an increase of 6 m.	Compliant	-
Environmental Performance			
Groundwater Routine reporting as detailed in GWMMP (Table 19*): - groundwater quality monitoring results (screened against GWQOs), including discussion on any relevant trends or trigger exceedances; - issues with monitoring bore integrity and accessibility, including any actions undertaken to resolve; - if applicable, information on the outcome of any groundwater model reviews or other groundwater	Sections 4.1.3 and 4.1.4 of the EMP Performance Report include results of groundwater level gauging and groundwater quality monitoring, respectively. Generally, groundwater level gauging and sampling was conducted as required by the EMP, with monthly monitoring at four compliance bores and at least six-monthly monitoring at the remainder of the nominated bores. Groundwater gauging results indicate generally stable water levels over the period of monitoring, with the following exceptions: - Groundwater level at up-gradient well GW06 increased by 0.68 m between January 2024 and October 2024, with an increase of 0.29 m between May 2024 and July 2024. This was stated to be due to surface water pooling in this area following rainfall events, leading to locally higher groundwater recharge. Groundwater quality results were included in Appendix B and C and the laboratory reports were supplied separately	Groundwater sampling and reporting – compliant Field QA/AC – Partially compliant	Iluka should continue to conduct field QA/QC sampling, as implemented in the later part of 2024. The annual report notes that equipment rinsate blanks will also be collected with future sampling. Laboratory reports including QA/QC results and assessment should be included with the annual report.

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
studies pertinent to Pit 23 and the GWMMP. This includes modelling/studies undertaken: — for routine purposes; and — in response to previous reported exceedances and exception reporting. *Correct reference for reporting requirements is Table 18.	by Iluka. The EMP requires that groundwater quality results are screened against the GWQOs, which are listed in Table 11 of the EMP as either threshold concentrations for single results, criteria for three consecutive data points, or comparison to the rolling median of the last eight data points. The Annual report states that there were no elevated results for the compliance bores. Charts showing the analysis results and rolling median concentrations compared to the GWQOs for a number of analytes are included in Appendix E, which support that GWQOs were not triggered in 2024. The EMP (Section 7.5.6) requires internal and external quality control measures including field blanks samples, duplicate samples and laboratory QA/QC. Although no QA/QC results were supplied for the January 2024 or July 2024 site-wide groundwater sampling rounds, field QA/QC sampling was conducted from August 2024. Field QA/QC results are shown in Appendix D, including field blanks for the September, October and December 2024 sampling events and duplicates from August, September, October and December 2024. Relative percentage differences (RPDs) for the duplicate samples are included in the table. Results are discussed in Section 4.1.4. The report states that TDS, calcium, nickel and/or selenium were detected in one or more field blanks. These detections were generally close to the laboratory limit of reporting and may be due to impurities in the rinsate water. The blind field duplicate samples were reported to have acceptable RPD,		

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
	with most results within 50%, and those exceeding being due to small differences close to (or below) the LOR. The report states that there were no QA/QC non-conformances reported by the laboratories. Although laboratory QA/QC reports were not included, the Auditor was provided with communications from the primary laboratory (EML Chem Pty Ltd) confirming that internal laboratory QA/QC was undertaken consistent with the laboratory's NATA accreditation. Section 4.1.1 reports that there were no issues with bore integrity. Section 5.1 states that the final groundwater flow modelling report was completed and provided to the Responsible Authority in Q3 2019. The requirement to update the groundwater modelling was not triggered during the monitoring period.		
Surface Water Routine reporting as detailed in SWMMP (Table 28*): - surface water quality monitoring results (screened against SWQOs), including discussion on any relevant trends or trigger exceedances. - if applicable, information on the outcome of any surface water exceedances	Section 4.2.1 and 4.2.2 report surface water quality monitoring, with laboratory results in Appendix A. Locations were sampled monthly, when sufficient water was present, in accordance with the EMP. No water discharge from the Pit 23 area to surface water was reported, so additional 'on-event' sampling of run-off fed surface water sites DUSW11 and DUSW25 or reference/analogue sites was not required during the monitoring period. The EMP provides that an investigation trigger will only apply for these sites if there has been runoff from material stockpiled along the Pit 23 crest or final capped surface of Pit 23.	Compliant	The required QA/QC measures should be implemented and the results assessed and reported to indicate data quality.

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
or uncontrolled off-site discharges and status of any corrective/preventative actions planned or completed. *Correct reference for reporting requirements is Table 27.	Exceedances of SWQOs by single results were reported at groundwater-fed surface water quality monitoring site DUSW05b for boron in January and February 2024, however, the rolling median remained below the applicable SWQO. It is noted in the EMP that the boron SWQOs for DUSW05b are of low reliability due to limited historical data available at the time of preparation of the EMP. At DUSW24 pH exceeded the SWQO in every monthly sampling event in 2024, and the rolling median exceeded the SWQO from June to December 2024. This indicates a shift from chemically neutral conditions in early 2023 (pH around 7.5) to alkaline conditions (pH 10 to 11). The historical dataset was reviewed, which indicated a trend of increasing pH and EC from 2022 to 2024 as the water body dried, noting that this water body was dry in 2025. Similar pH and EC concentrations were previously reported in 2019 following a similar increasing trend. The rolling median phosphorus concentration at DUSW24 exceeded the SWQO from January 2024 to April 2024, however, this was driven by higher values reported from 2023, with individual 2024 results each being below the SWQO. The change in phosphorus concentration may be related to the change in pH conditions. The SWQO for phosphorus is noted in the EMP to be an interim value, based on limited historical data. Due to dry conditions, it was reported that no sampling of DUSW20 (located between the Pit 23 area and DUSW24) took place during the reporting period.		

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
	These exceedances were inferred to be unrelated to mining or waste disposal activities at the site, as coincident changes in ionic ratios or other analytes were not observed. Concentration of lake water due to evaporation was proposed as a possible reason for the observed changes rather than a change in groundwater discharge chemistry. No further actions were proposed. The EMP (Section 8.5.1) requires a QA/QC program for surface water monitoring, as for groundwater monitoring. No QA/QC assessment such as field blanks or duplicates, or discussion of laboratory QA/QC was reported for the surface water monitoring program. Due to the low number of primary samples collected (one or two per sampling round) and use of dedicated sampling bottles per site, this has not been raised as a non-conformance.		
Air Quality Routine reporting as detailed in AQMP (Table 35): - Results of dust (PM10) monitoring undertaken in the reporting period, including discussion of any relevant trends and any exceedances attributed to Pit 23 activities; - Summary of any dust complaints received; and	Section 4.7 of the EMP Performance Report states that four results were recorded above the PM₁₀ concentration limit (0.06 mg/m³) during the 2024 reporting period at the Chadwicks or Lyons monitoring stations, and that the elevated results were unlikely to be attributable to site activities, based on the following: - February 14th: two elevated results were reported at both Lyons and Chadwicks. Locations coincided with annual stubble burn off practices in adjacent paddocks. - March: one elevated result at Lyons coincided with stubble burn off and it was reported that no site activities were undertaken on that day.	Compliant	

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
- For dust complaints or PM₁₀ exceedances linked to Pit 23 activities, the actions undertaken to resolve.	- December: one elevated result at Chadwicks noted dry and dusty conditions with harvesting occurring at the adjacent properties. Section 4.8 of the EMP Performance Report includes the result of the airborne radionuclide monitoring program. No exceedances of the reportable levels for radon (100 Bq/m³) or thoron (1,000 Bq/m³) were observed during the 2024 reporting period. Note that the EMP does not require reporting of radionuclide monitoring in the EMP Performance Report. Section 5.4 of the EMP Performance Report states that no complaints or comments were received during the 2024 reporting period.		
Noise Routine reporting as detailed in Table 39: - Summary of any complaints received and results of noise monitoring/ investigation; and - For noise events deemed as site-related, the outcomes of any Action Plan(s) that were implemented.	Section 4.3 of the EMP Performance Report states that no noise related complaints or comments were received during the 2024 reporting period. Noise level measurements were therefore not undertaken.	Compliant	

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
Weeds Routinely Reporting as detailed in Table 42: - Summary of any declared weed incursions; and - Actions undertaken to resolve.	Section 4.4 of the EMP Performance Report states that no Weeds of National Significance were identified during the reporting period.	Compliant	
Vehicle Hygiene Routinely reporting as detailed in Table 45: - Summary of any vehicle hygiene non-compliance events in the reporting period; and - Actions undertaken to resolve.	Section 4.5 of the EMP Performance Report states that no vehicle hygiene incidents were identified during the reporting period.	Compliant	
Public Safety Reporting as detailed in Table 48: - Summary of any public safety incidents in the reporting period; and - Actions undertaken to resolve.	Section 4.6 of the EMP Performance Report states that no breaches of the security perimeter occurred vehicle during the reporting period.	Compliant	

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
- Summary of any geotechnical incidents in the reporting period; and - Actions undertaken to resolve.			
Rehabilitation Performance			
Rehabilitation Summary Detailed summary of rehabilitation activities undertaken in the reporting period (e.g. decommissioning, overburden return, revegetation activities).	Section 2.6 of the EMP Performance Report describes rehabilitation activities undertaken during the reporting period. Rehabilitation works continued with material from the site being hauled into the Pit 23 void. The total material hauled into Pit 23 during 2024 was 733,943 BCM. This included both intermediate cover and overburden.	Compliant	
Other			
Comments / Complaints Summary of comments / complaints received and resulting actions	Section 5.4 of the EMP Performance Report states that no complaints or comments were received during the reporting period.	Compliant	
Outlook	Section 5.5 of the EMP Performance Report details actions completed during the reporting period. For 2024, this included:	Compliant	To allow timely auditor review of the EMP Performance Reports, it is recommended that Iluka provides Performance Reports to the auditor within a reasonable timeframe following completion of the respective

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
Completed actions during the current Plans for the next reporting period.	- Review of the Pit 23 Risk Register This item was proposed in the 2023 EMP Performance Report. Section 5.6 of the EMP Performance Report describes proposed actions for the next reporting period. For the 2025 reporting period, this includes: - Implementation of the ongoing monitoring requirements as per the EMP (Revision 5.1); - Continued rehabilitation works; - Review of the Pit 23 Risk Register; and - Review of the EMP. The EMP Performance Report does not state that a review of the EMP occurred in 2024 as per the actions proposed in the 2023 EMP Performance Report, however the EMP provided by Iluka (Revision 5.2) states that a review was completed in September 2025. The 2024 EMP Performance Report was provided to the auditor in May 2026. In accordance with Planning Permit 15-105, point 42 states: <i>The permit holder must prepare an EMP and Rehabilitation performance review report covering its compliance requirements under the various sub-components of the EMP and R&VMP for provision to a suitably qualified environmental auditor as agreed by the Responsible Authority annually or less frequently as agreed to in writing by the Responsible Authority.</i>		reporting period. This will also allow any recommendations arising from the review to be considered and addressed in the following reporting period.

EMP Requirement (Section 12)	Observations (2024)	Compliance	Recommendations
Other Matters Discussion on other matters considered relevant by the Responsible Authority or Iluka.	Section 5.7 of the EMP Performance Report describes other matters considered relevant by Iluka or the Responsible Authority. For the 2024 reporting period, this included: - A Geotechnical Audit was conducted in October 2023 by AMC Consultants as required on a biennial basis. The next geotechnical report is scheduled for 2025. - A review of the Pit 23 Risk Analysis and Response Plan was undertaken in H2 2024. The next review is scheduled for H2 2025 as required on an annual basis.	Compliant	
Plan Amendment(s) Summary of any amendments/updates to the EMP, IWMP or RVMP in the reporting period (if applicable)	Reviews for each plan were not completed in 2024. The EMP, IWMP and RVMP were overdue for review in 2024 as per their review schedules. - EMP – three-yearly review schedule, last review 16 December 2020. - IWMP – three-yearly review schedule, last review 16 December 2020. - RVMP – two-yearly review schedule, last review 7 June 2017. Despite reviews not being completed in 2024, Iluka have provided updated versions of the EMP and IWMP, with review and updates completed on 5 September 2025. No updated RVMP was provided.	Compliant	Conduct a review of the RVMP in accordance with the review schedule.

Appendix C

Iluka IWMP Performance Report 2024





Iluka Resources Limited Mineral Sands By-Product Disposal

Planning Permit 15-105

**Crown Allotments 91, 94, 95, 96
Parish of Telangatuk**

Incoming Waste Monitoring Plan Report – 2024

Iluka Ref: MRXZTXADUCSC-386739868-168353

Contact:
Stuart Alexander
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Document control

Revision	Details of review or changes	Prepared by	Date
1	Final	C Minter	9-10-2025
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1 Executive Summary

Iluka Resources Limited (Iluka) operates the Pit 23 by-products disposal facility located at the Douglas Mine in the Kanagulk area and within the municipality of the Horsham Rural City. Pursuant to Planning Permit 15-105 issued by Horsham Rural City Council (HRCC), and the subsidiary Pit 23 Incoming Waste Monitoring Plan (IWMP), the Pit 23 facility is approved for the disposal of:

- non-liquid waste by-products associated with or sourced through mineral sands processing undertaken at the Iluka Hamilton Mineral Separation Plant (MSP) containing or contaminated with Naturally Occurring Radioactive Material (NORM);
- used dust filter bags from the Hamilton MSP containing or contaminated with NORM; and
- NORM-contaminated concrete and steel associated with plant and infrastructure from nominated Iluka sites within Victoria.

This report is submitted in accordance with Section 5 of the IWMP and provides a summary of the wastes received into Pit 23 (origin, volumes/weights and radioactive properties) and records of incidents and remedial actions applicable to the reporting period of 1st January 2024 to 31st December 2024.

Key commentary on monitoring outcomes and performance against compliance objectives in the IWMP for the 2024 reporting period:

- No waste disposed into Pit 23 in the 2024 reporting period; and
- No transport incidents or spillages occurred.

Summary incoming waste data and incident information is provided in Section 3.

2 Introduction

Iluka Resources Limited (Iluka) operates the Pit 23 by-products disposal facility located at the Douglas Mine in the Kanagulk area and within the municipality of the Horsham Rural City (Figure 1 and Figure 2).

Pursuant to Planning Permit 15-105 issued by Horsham Rural City Council (HRCC), and the subsidiary Pit 23 Incoming Waste Monitoring Plan (IWMP), the Pit 23 facility is approved for the disposal of mineral separation by-products and used dust filter bags from the Iluka Hamilton Mineral Separation (MSP) which contain or are contaminated with Naturally Occurring Radioactive Material (NORM), and concrete and steel which contains or is contaminated with NORM associated with plant and infrastructure from nominated Iluka sites within Victoria.

2.1 Planning Permit 15-105

Under the Horsham Planning Scheme the subject land is in the Farming Zone and under the provisions of that zone a permit is required for use and development for Industry (Refuse Disposal). On 25th February 2017 Planning Permit 15-105, (the Permit) was issued by the Horsham Rural City Council as the Responsible Authority to allow:

Use and development of the land for the disposal of waste by-products associated with or sourced through mineral sands processing undertaken at the Hamilton Mineral Separation Plant (MSP), including waste by-products and contaminated materials resulting from the processing and transport operations as follows:

- *By-products from the processing of heavy mineral concentrate at the Hamilton MSP;*
- *used dust filter bags from the Hamilton MSP; and*
- *Other chemically inert material contaminated with naturally occurring radioactive material.*

in accordance with the endorsed plans.

2.2 Commencement of the Permit

Condition 1 of the Permit states:

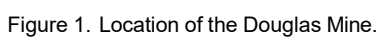
This permit does not come into operation until:

- a. Iluka has applied to the Department of Economic Development, Jobs, Transport and Resources to vary the 2003 Work Plan to identify a new endues utilisation of Pit 23 and to vary the rehabilitation plan; and*
- b. Iluka has applied to the Minister to surrender part of MIN 5367¹ (Pit 23); and*
- c. The Department of Economic Development, Jobs, Transport and Resources has approved the Work Plan Variation; and*
- d. The Minister has registered the partial surrender of MIN 5367.*

The permit comes into operation on the same day the Work Plan Variation is approved, and the partial surrender of MIN 5367 is registered.

The Variation to the 2003 Douglas Mine Work Plan was approved on the 13th April 2017, and the partial surrender of MIN 5367 was registered on 11th May 2017, this being the date of commencement of the Permit.

¹ Iluka Resources Douglas Mine – Mining Licence No. 5367 ('MIN 5367')



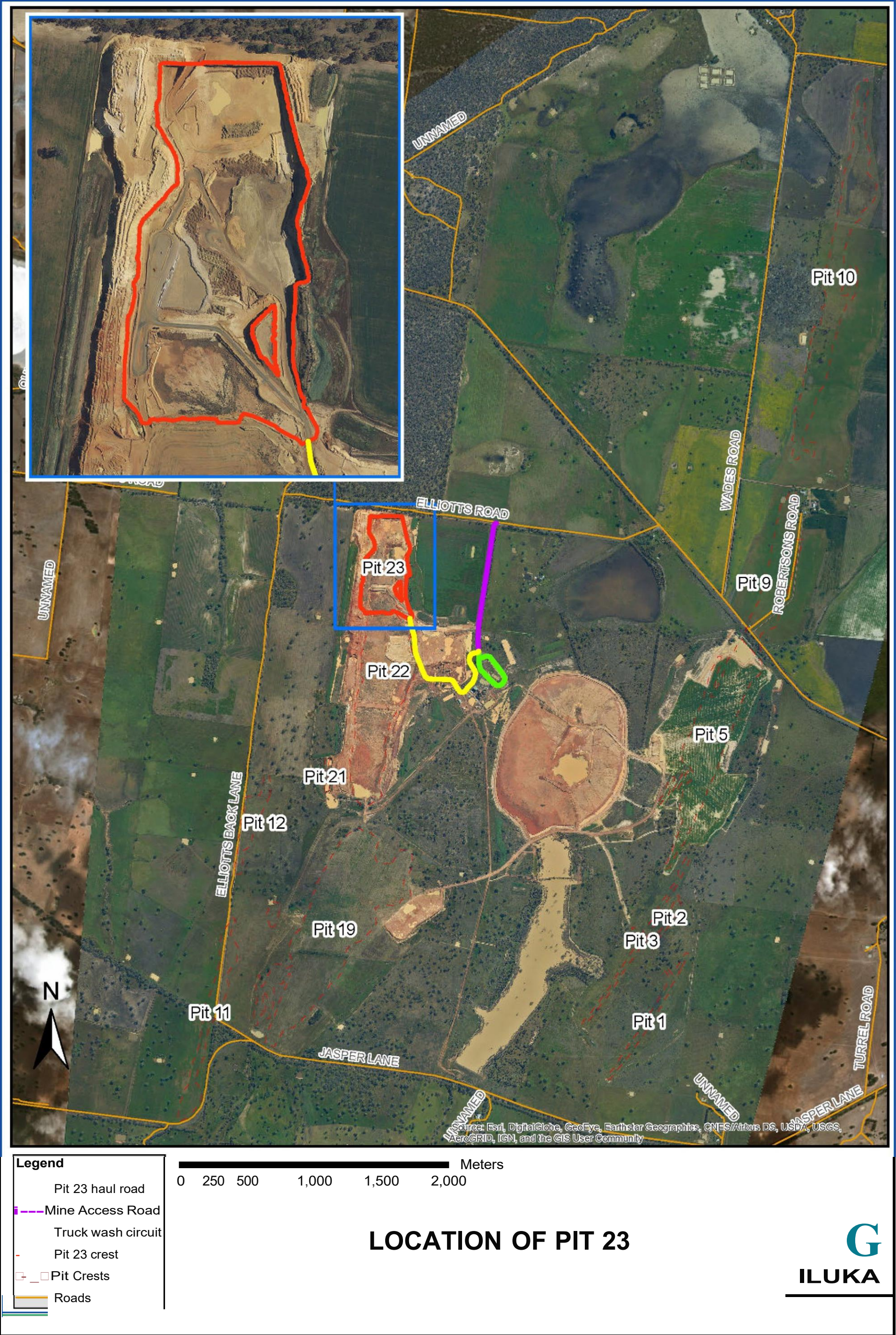


Figure 2. Location of Pit 23.

2.3 Endorsed Plans

Conditions 2, 3, 9, 14, 16 and 34 of the Permit relate to various management plans that once approved by the Responsible Authority will be endorsed to form part of the Permit, which includes:

- Incoming Waste Monitoring Plan (IWMP);
- Environmental Management Plan (EMP), incorporating;
 - Groundwater Monitoring and Management Plan (GWMMP);
 - Surface Water Monitoring and Management Plan (SWMMP);
 - Air Quality/Dust Control Plan (AQMP); and
- Rehabilitation and Vegetation Management Plan (R&VMP)

A review of the EMP (Rev 4) and IWMP (Rev 4) was undertaken in 2020 with the revised plans (Rev 5.1 and 5 respectively) submitted to HRCC for review and approval on the 16th of December 2020. HRCC provided formal endorsement of the plans on the 29th September 2021.

2.4 Permit condition requirement for an IWMP

To ensure compliance with the permitted use (Section 2.1) the Permit includes the following condition concerning the requirement for and content of an IWMP:

Incoming Waste Monitoring Plan

14. *Within 90 days of the commencement of this permit operation, an Incoming Waste Management Plan (IWMP) must be prepared to the satisfaction of the Responsible Authority in consultation with the Department of Health and Human Services for the approval by the responsible authority. Three copies of the plan must be provided to the responsible authority. When approved by the responsible authority the IWMP will be endorsed and it will then form part of this permit. The IWMP must provide for*
- a) *A monitoring and reporting system for ensuring that materials disposed of to Pit 23 are limited to those approved under the conditions of this permit;*
 - b) *Recording of the origin, per load weight and radioactive properties of each incoming load;*
 - c) *Monitoring to ensure all vehicles transporting waste have fully secured and contained loads and that all waste loads have been transported in compliance with licence requirements under the Radiation Act 2005;*
 - d) *Records of any transport incidents or spill and remedial actions taken in the event of such incidents; and*
 - e) *Annual audits of records to verify compliance with the requirements of the IWMP*

2.5 IWMP reporting requirements

Section 5 of the IWMP states the following reporting requirements:

All data generated from the monitoring described above will be recorded electronically in a database managed by Iluka. On an annual basis (or other frequency as agreed with the Responsible Authority) a report will be prepared showing the following:

- *For each load:*
 - *Iluka source site;*
 - *load weight;*
 - *material description;*
 - *radioactive properties of the material to be transported, being:*
 - *for MSP by-products, the average concentrations of uranium and thorium in ppm determined through weekly analysis (normal MSP operations) or representative sampling (non-routine MSP operations);*
 - *for used filter bags, the measured concentrations of uranium and thorium in Bq/g;*
 - *for contaminated scrap steel and concrete, NORM nuclide activity concentrations in Bq/g, as determined through representative sampling.*
- *For the report period:*
 - *the total quantities of materials disposed of to Pit 23; and*
 - *records of any transport incidents or spills and remedial actions taken in the event of such incidents.*

Reports will be provided to a suitably qualified auditor who will complete an audit of the data provided and compliance with this IWMP.

Copies of the Iluka report and the auditor's report will be submitted to the Responsible Authority.

These reporting requirements are addressed in the following sections.

3 Monitoring Results

3.1 Per load monitoring data

In accordance with Section 5 of the endorsed IWMP, data associated with each load of incoming waste is shown in Table 1. No loads of material were received into Pit 23 in the 2024 reporting period.

Table 1: Individual load data for incoming wastes to Pit 23, 2024

Date	Week No.	Source site	Location Code	Material Code	Load weight (t)

3.2 Reporting period monitoring data

In accordance with Section 5 of the endorsed IWMP, the monthly average radioactivity of by-products shall be reported. However, no by-products were disposed into Pit 23 during the reporting period. No samples required for radionuclide analysis as shown in Table 2.

Table 2: Quantities and radioactivity results for disposed MSP by-products, 2024

Product	Product (tonnes)	Th (Bq/g)	Th (ppm)	U (Bq/g)	U (ppm)
Dry circuit rejects	0	n/a	n/a	n/a	n/a
Wet circuit rejects	0	n/a	n/a	n/a	n/a
Baghouse dust filter bags	0	n/a	n/a	n/a	n/a
Total	0				

3.3 Incidents and remedial actions

3.3.1 Incidents or spills

No transport incidents or spillages occurred during the reporting period

3.3.2 Remedial actions taken

None required

3.4 Other matters

None identified.

Appendix D

Iluka EMP Performance Report 2024





Iluka Resources Limited Mineral Sands By-Product Disposal

Planning Permit 15-105

**Crown Allotments 91, 94, 95, 96
Parish of Telangatuk**

Environmental Management Plan and Rehabilitation Performance Report – 2024

Rev v2 July 2026

Iluka Ref: [MRXZTXADUCSC-386739868-168699](#)

Contact: Stuart Alexander
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v2	Final	C. Mintern	15/07/2026

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1 Executive Summary

Iluka Resources Limited (Iluka) operates the Pit 23 by-products disposal facility located at the Douglas Mine in the Kanagulk area and within the municipality of the Horsham Rural City.

Pursuant to Planning Permit 15-105 issued by Horsham Rural City Council (HRCC), and the subsidiary Pit 23 Incoming Waste Monitoring Plan (IWMP), the Pit 23 facility is approved for the disposal of mineral separation by-products and used dust filter bags from the Iluka Hamilton Mineral Separation Plant (MSP) which contain or are contaminated with Naturally Occurring Radioactive Material (NORM), and concrete and steel which contains or is contaminated with NORM associated with plant and infrastructure from nominated Iluka sites within Victoria.

Complementing the IWMP are the endorsed Pit 23 Environmental Management Plan (EMP) which addresses the identification, management and monitoring of environmental risks associated with the approved development and use; and the endorsed Rehabilitation and Vegetation Management Plan (RVMP) which addresses rehabilitation of the Pit 23 facility including infrastructure decommissioning, landform reinstatement and end land use.

This report is submitted in accordance with Section 12.2 of the endorsed Iluka Pit 23 EMP and outlines the results of monitoring and management actions undertaken during the period 1st January 2024 to 31st December 2024.

Key commentary on environmental monitoring outcomes and performance against compliance objectives in the Pit 23 EMP for the 2024 reporting period:

- There were no exceedances of applicable limits for radionuclides or any other analytes in groundwater compliance bores down-gradient of Pit 23 attributable to disposal activities;
- There was no surface water discharge from the Pit 23 disturbance area;
- There were no exceedances of applicable limits for any analytes in groundwater-fed surface water sites down-gradient of Pit 23 attributable to disposal activities;
- No noise complaints were received;
- There were no exceedances of the air concentration limit for PM₁₀ attributable to disposal activities;
- There were no exceedances of the air concentration limits for radon or thoron;
- Measured concentrations of gross alpha radiation in airborne dust were within the range of historical values; and
- Rehabilitation earthworks at Pit 23 continued and are anticipated to be completed in 2026.

Detailed assessment of compliance, key results and management actions are provided in Section 4 of the enclosed report.

2 Introduction

Iluka Resources Limited (Iluka) operates the Pit 23 by-products disposal facility located at the Douglas Mine in the Kanagulk area and within the municipality of the Horsham Rural City (Figure 1 and Figure 2).

Pursuant to Planning Permit 15-105 issued by Horsham Rural City Council (HRCC), and the subsidiary Pit 23 Incoming Waste Monitoring Plan (IWMP), the Pit 23 facility is approved for the disposal of mineral separation by-products and used dust filter bags from the Iluka Hamilton Mineral Separation (MSP) which contain or are contaminated with Naturally Occurring Radioactive Material (NORM), and concrete and steel which contains or is contaminated with NORM associated with plant and infrastructure from nominated Iluka sites within Victoria.

2.1 Planning Permit 15-105

Under the Horsham Planning Scheme the subject land is in the Farming Zone and under the provisions of that zone a permit is required for use and development for Industry (Refuse Disposal). On 25th February 2017 Planning Permit 15-105, (the Permit) was issued by the Horsham Rural City Council as the Responsible Authority to allow:

Use and development of the land for the disposal of waste by-products associated with or sourced through mineral sands processing undertaken at the Hamilton Mineral Separation Plant (MSP), including waste by-products and contaminated materials resulting from the processing and transport operations as follows:

- *By-products from the processing of heavy mineral concentrate at the Hamilton MSP;*
- *used dust filter bags from the Hamilton MSP; and*
- *Other chemically inert material contaminated with naturally occurring radioactive material.*

in accordance with the endorsed plans.

2.2 Commencement of the Permit

Condition 1 of the Permit states:

This permit does not come into operation until:

- a. Iluka has applied to the Department of Economic Development, Jobs, Transport and Resources to vary the 2003 Work Plan to identify a new end use utilisation of Pit 23 and to vary the rehabilitation plan; and*
- b. Iluka has applied to the Minister to surrender part of MIN 5367 (Pit 23); and*
- c. The Department of Economic Development, Jobs, Transport and Resources has approved the Work Plan Variation; and*
- d. The Minister has registered the partial surrender of MIN 5367.*

The permit comes into operation on the same day the Work Plan Variation is approved, and the partial surrender of MIN 5367 is registered.

The Variation to the 2003 Douglas Mine Work Plan was approved on the 13th April 2017, and the partial surrender of MIN5367 was registered on 11th May 2017, this being the date of commencement of the Permit.

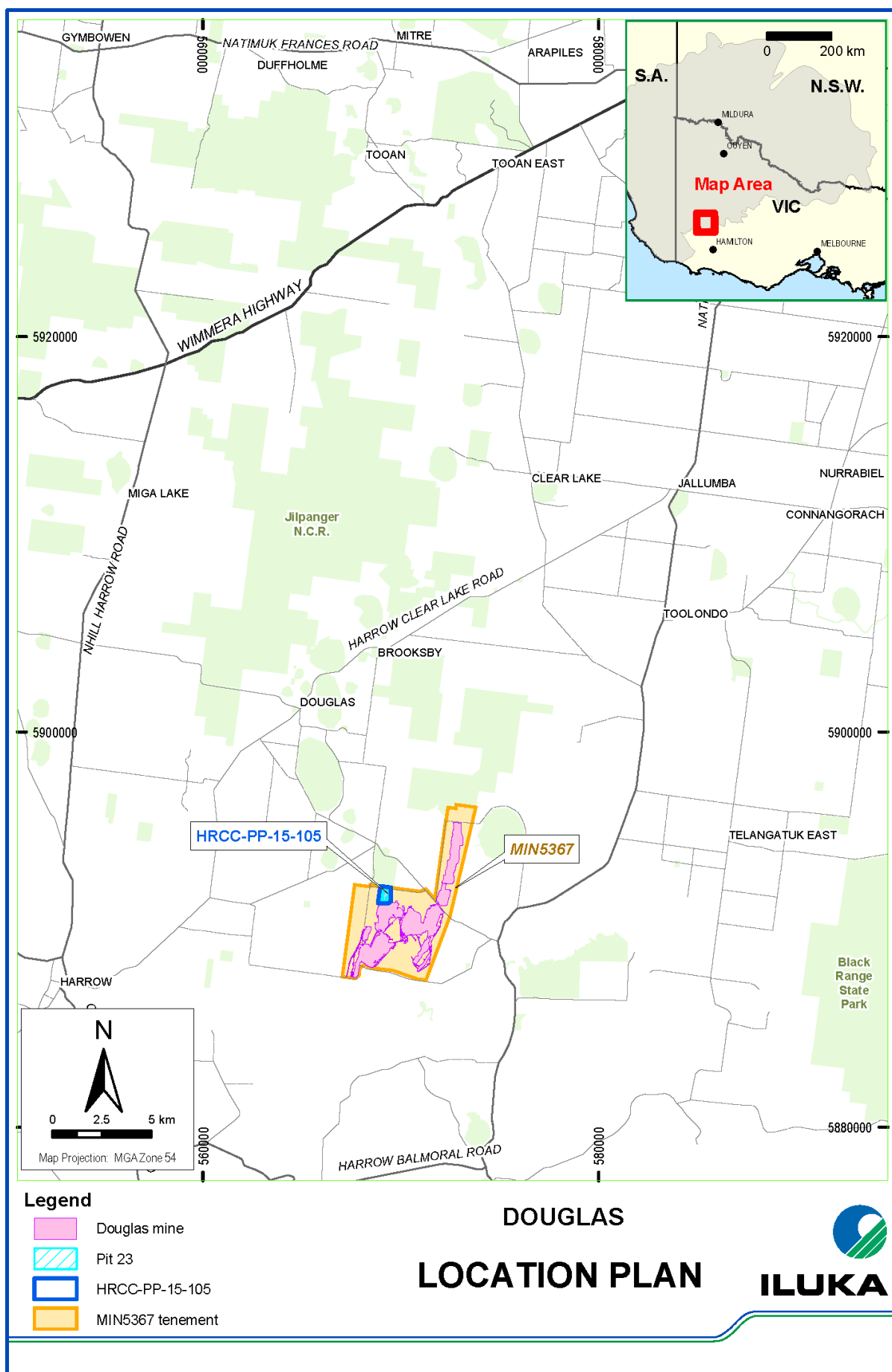


Figure 1. Douglas Mine and Pit 23 regional location.

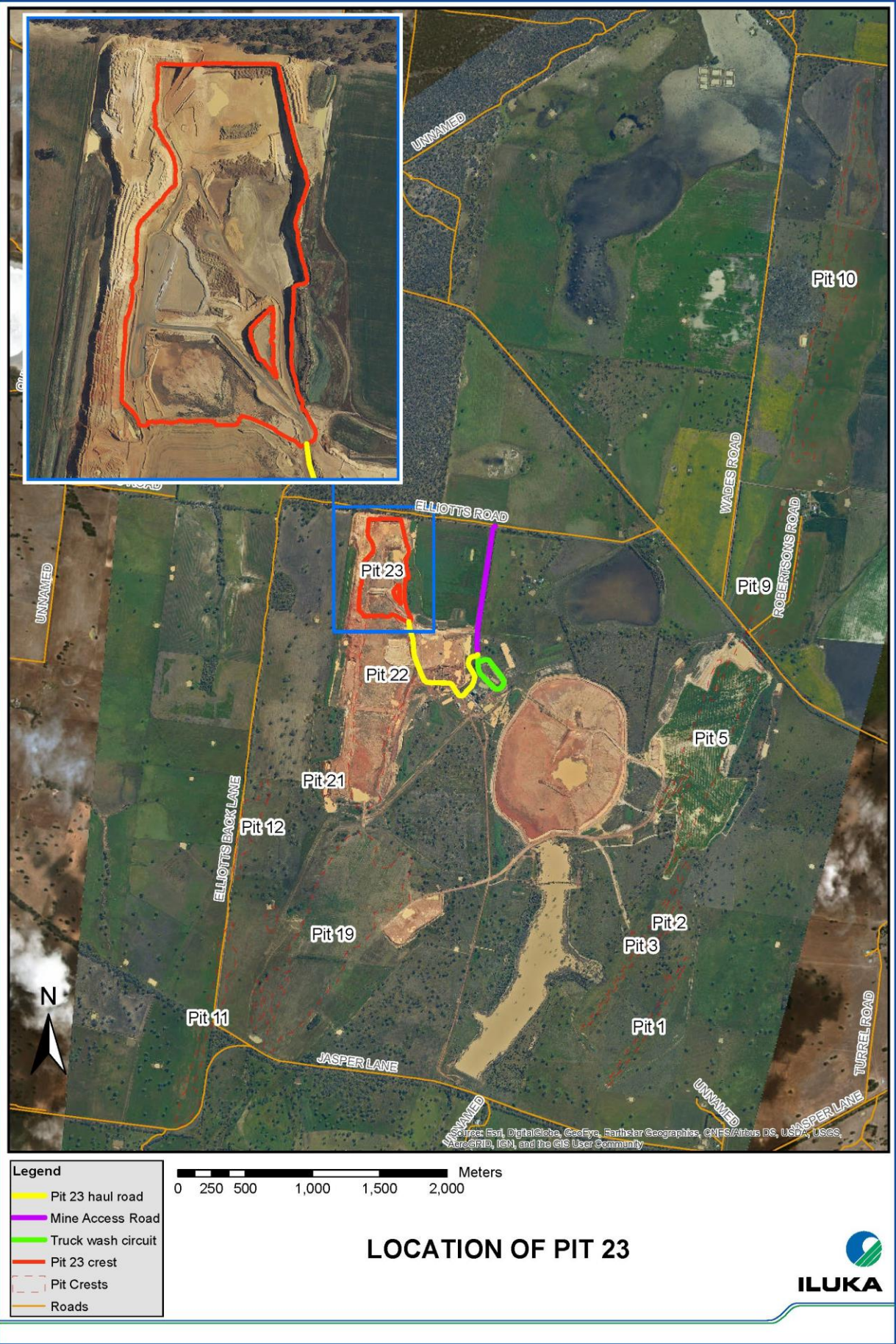


Figure 2. Pit 23 location

2.3 Endorsed Plans

Conditions 2, 3, 9, 14, 16 and 34 of the Permit relate to various management plans that once approved by the Responsible Authority will be endorsed to form part of the Permit, which includes:

- Incoming Waste Monitoring Plan (IWMP);
- Environmental Management Plan (EMP), incorporating;
 - Groundwater Monitoring and Management Plan (GWMMP);
 - Surface Water Monitoring and Management Plan (SWMMP);
 - Air Quality/Dust Control Plan (AQMP); and
- Rehabilitation and Vegetation Management Plan (RVMP).

The original plans were endorsed by Horsham Rural City Council on 17th July 2017.

A review of the EMP (Rev 4) and IWMP (Rev 4) was undertaken in 2020 with the revised plans (Rev 5.1 and 5 respectively) submitted to HRCC for review and approval on the 16th of December 2020. HRCC provided formal endorsement of the plans on the 29th September 2021.

A review of the EMP and IWMP was undertaken in 2025 with proposed revisions for the EMP (5.2) and the IWMP (5.1) provided to the HRCC for review and approval on the 20th of April 2026 and is currently under review by the HRCC. As part of the EMP revision the groundwater and surface water results were compared to previous background conditions but were considered to be not consistent with existing natural background, therefore no changes were made to water quality objectives based on natural background concentrations in Table 11 and Table 22 of the EMP.

2.4 Plan Amendments

No amendments were made to the EMP, IWMP or RVMP during the reporting period.

2.5 Performance reporting

Section 12.1 of the endorsed EMP (Rev 5.1, September 2021) outlines the routine reporting requirements for the mineral sands by-product disposal operations which are:

A review of performance will be completed and an EMP and Rehabilitation Performance Report prepared annually on a calendar year basis, or as otherwise agreed with the Responsible Authority.

The structure and content of each report will follow that given in Table 49. Where no activities applied in the reporting period for a certain aspect or activity this will be referenced as “Not Applicable” in the report with a brief supporting explanation provided.

Table 49. Structure of EMP and Rehabilitation Performance Reports.

Item	Item Information to be provided
General	
Applicable Reporting Period	Time period covered by report
Executive Summary	Summary of compliance to environmental objectives Summary of rehabilitation activities and performance
Waste Disposal Summary	
Waste Disposed	
Pit Backfill Status	
Environmental Performance	
Groundwater	Groundwater Reporting as detailed in GWMMP (Table 18)
Surface Water	Surface Water Reporting as detailed in SWMMP (Table 27)
Air Quality	Air Quality Reporting as detailed in AQMP (Table 35)
Noise	Noise Reporting as detailed in Table 39

Weeds	Weeds Reporting as detailed in Table 42
Vehicle Hygiene	Vehicle Hygiene Reporting as detailed in Table 45
Public Safety	Public Safety Reporting as detailed in Table 48
Rehabilitation Performance	
Rehabilitation Summary	Detailed summary of rehabilitation activities undertaken in the reporting period (e.g. decommissioning, overburden return, revegetation activities).
Other	
Comments / Complaints	Summary of comments / complaints received and resulting actions

Outlook	Plans for the next reporting period
Other Matters	Discussion on other matters considered relevant by the Responsible Authority or Iluka.
Plan Amendment(s)	Summary of any amendment/updates to the EMP, IWMP or RVWMP in the reporting period (if applicable).

Per Section 13.1.2 of the EMP, the EMP and Rehabilitation Performance Reports will be subject to review by an independent auditor prior to submission to the Responsible Authority.

2.6 Rehabilitation and Vegetation Management Plan

Rehabilitation works continued at Douglas during 2024 with intermediate material providing cover over deposited wastes within Pit 23. Approximately 412,908 BCM of intermediate cover was transferred into Pit 23 during 2024.

As described in Section 1.4.1 of the Incoming Waste Management Plan, materials used as intermediate cover include non-target materials such as sand, clays and oversize material generated during the extraction and onsite processing of ore at the Douglas mine.

As per the RVMP a 5m cover of overburden material will be placed on top of the intermediate cover followed by sub and top soil. Overburden placement continued in 2024 with 321,035 BCM placed over the intermediate cover.

3 Delivery and Disposal of Materials into Pit 23

No wastes were disposed into Pit 23 during the 2024 reporting period.

4 Monitoring Results

4.1 Groundwater

4.1.1 Bore network status

The Pit 23 bore network includes additional monitoring bores installed in 2018 per the recommendations in the independent desktop review of proposed by-product disposal (EES, 2016). Since the installation of these bores, the augmented bore network satisfies Condition 28(c) of the Permit.

In accordance with Section 7.5.1 of the current endorsed EMP (Rev 5.1, September 2021) groundwater monitoring bores are designated as compliance, impact or background as defined in Table 1.

Table 1: Pit 23 groundwater monitoring bores categories

Category	Description
Impact Bores	Bores immediately adjacent the Pit 23 crest and expected to be influenced by historical mine/tailings disposal, as based on groundwater arrival time predictions (EMM, 2019) and Pit 23 solute transport modelling (per Jacobs, 2016). Not subject to exceedance reporting.
Compliance / Indicator Bores	Bores not impacted by mining or Pit 23 by-product disposal activities and sited down-gradient of Pit 23 and directly on the path of groundwater flow. These bores are used to indicate the occurrence (or otherwise) of potentially-contaminated groundwater flows from Pit 23 and adverse impacts on stock water beneficial use. Subject to exceedance reporting.
Background Bores	Bores sited up-gradient, cross-gradient and far down-gradient of Pit 23 and representative of local or broader background groundwater condition not associated with Pit 23. Monitoring of these bores allows comparison of groundwater trends or observations in nominated compliance bores. Not subject to exceedance reporting.

The category and status of the Pit 23 monitoring bore network is given in Table 2. Monitoring bore locations are provided in Figure 3.

Table 2: Pit 23 bore status (as at 31/12/2024)

Well ID	Comment	Status / Condition
IMPACT BORES		
WRK300	Adjacent Pit 23 pit crest (NE corner)	OK
BW36A	Adjacent Pit 23 pit crest (NW corner)	OK
COMPLIANCE / INDICATOR BORES		
GW01	Down-gradient / on flow path	OK
GW02	Down-gradient / on flow path	OK
GW03	Down-gradient / on flow path	OK
GW04A	Down-gradient / on flow path	OK
BACKGROUND BORES		

Well ID	Comment	Status / Condition
WRK301	Up-gradient of Pit 23	OK
GW04	Cross-gradient of flow path	OK
GW05	Cross-gradient of flow path	OK
WRK302	Up-gradient of Pit 23	OK
GW06	Up-gradient of Pit 23	OK
GW08	Up-gradient of Pit 23	OK
GW07	Up-gradient of flow path	OK
BW45B	Cross-gradient of flow path	OK
BW28A	Cross-gradient of flow path	OK
BW05	Far down-gradient	OK
IWB2	Background - other	OK
IWB6	Background - other	OK

4.1.2 Bore monitoring schedule

As per Section 7.5 of the EMP bi-annual sampling and analysis will continue for all bores listed in Table 2 above.

Compliance bores (GW01, GW02, GW03 and GW04A) will in addition be sampled in all remaining months outside of bi-annual sampling with a reduced suite of analytes to align with the site specific water quality objectives that have been set for analytes (pH – lower criterion, Se and U₂₃₈ along with ionic ratio's Na:Ca and Cl:SO₄) whose natural background values exceed the groundwater objectives, thereby, the background values become the groundwater objectives.

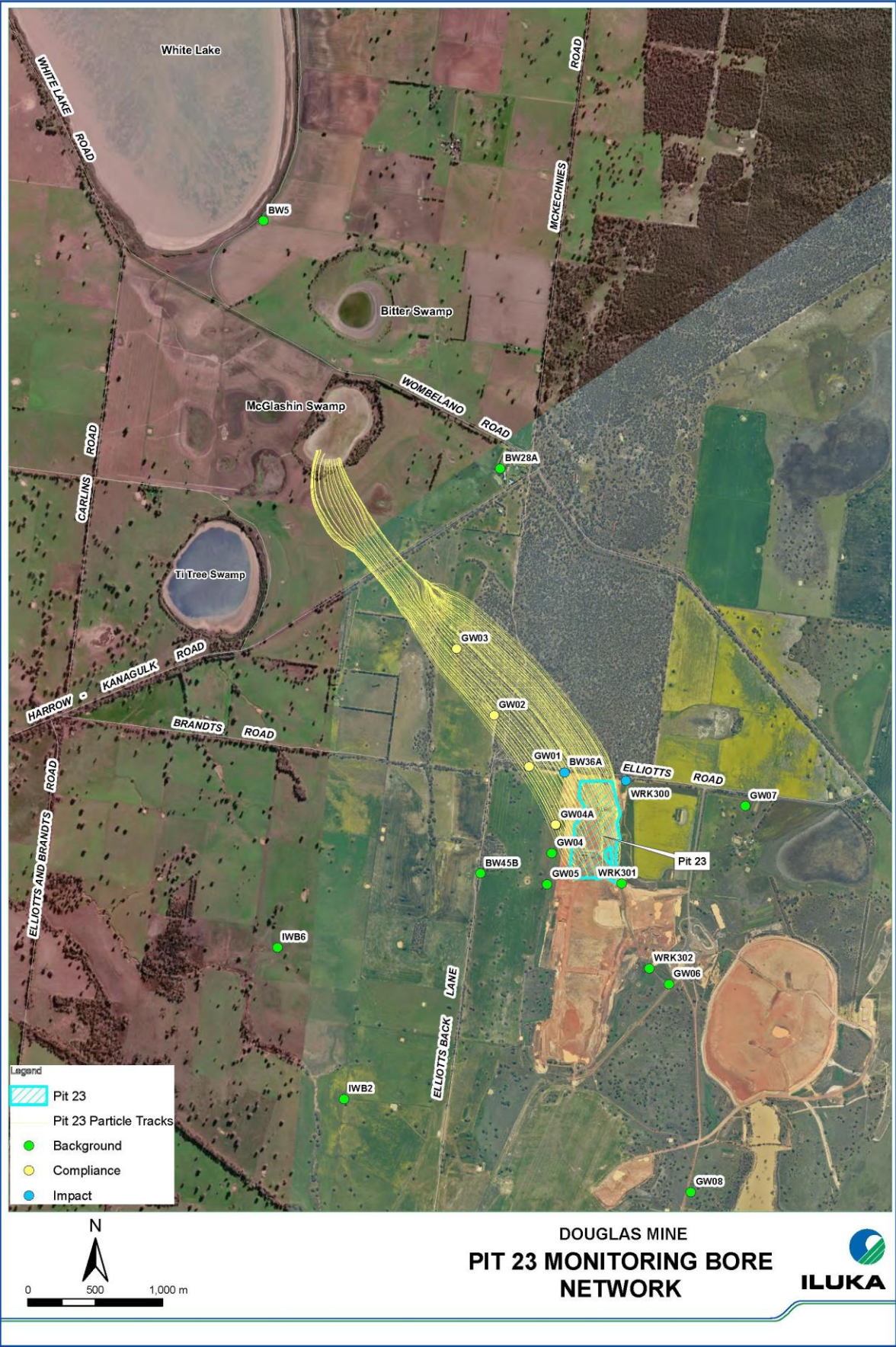


Figure 3. Pit 23 updated groundwater monitoring network.

4.1.3 Standing water levels

In accordance with Section 7.5 of the current endorsed EMP (Rev 5.1, September 2021) groundwater level monitoring will be undertaken in the course of groundwater quality sampling.

Groundwater level hydrographs for these bores (expressed in groundwater elevation (meters above Australian Height Datum, mAHD) are provided in Table 3 and Figure 4 to Figure 6. Data includes that obtained during scheduled events and ad-hoc measurements.

All bores along the predicted flow path (Figure 4) have exhibited stable standing water levels in the preceding 24-month period and in comparison to long-term trends; background bores and bores up and cross-gradient of Pit 23 (Figure 5 and Figure 6) have exhibited relatively stable water levels with minor fluctuation. GW06 (an up gradient bore) experienced a rising trend from May to August (the rate of rise was up to 0.29m over a two month period) due to frequent rainfall events over during this period, causing runoff to pool in low lying areas and additional recharge to the area of bore GW06. This groundwater fluctuation is within historic natural variation. This trend is a similar to the trend observed during 2021. The raw data for GW06 was checked to confirm that this change in groundwater level was actual.

Table 3: Monitoring bores - standing water levels (mAHD).

Bore ID	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
IMPACT BORES												
WRK300	175.22	*	*	*	175.34	*	175.32	*	*	175.35	*	*
BW36A	174.32	*	*	*	174.45	*	174.47	*	*	174.18	*	*
INDICATOR / COMPLIANCE BORES												
GW01	173.51	173.63	174.20	173.86	174.16	174.1	174.22	174.30	174.22	174.18	174.22	174.26
GW02	170.79	170.67	171.9	170.91	170.87	170.92	170.89	170.94	170.98	170.99	170.96	170.98
GW03	161.49	161.42	161.92	161.56	161.81	162.01	162.3	162.2	162.38	162.18	162.03	162.16
GW04A	177.09	177.13	177.32	177.27	177.26	177.20	177.25	177.26	177.28	177.26	177.26	177.31
BORES REPRESENTATIVE OF BACKGROUND												
WRK301	178.4	*	*	*	178.43	*	178.46	*	*	178.41	*	*
GW04	178.33	*	*	*	178.34	*	178.34	*	*	178.34	*	*
GW05	178.94	*	*	*	178.92	*	178.89	*	*	178.93	*	*
WRK302	176.87	*	*	*	176.88	*	176.88	*	*	176.89	*	*
GW06	176.42	*	*	*	176.52	*	176.81	177.0	*	177.1	*	*
GW08	177.54	*	*	*	177.53	*	177.60	*	*	177.59	*	*
GW07	172.58	*	*	*	172.55	*	172.54	*	*	172.85	*	*
BW45B	177.65	*	*	*	177.65	*	177.66	178.02	*	177.95	*	*
BW28A	152.1	*	*	*	152.14	*	152.21	*	*	152.24	*	*
BW05	147.48	*	*	*	147.53	*	147.54	*	*	147.55	*	*
IWB2	179.72	*	*	*	179.71	*	179.69	*	*	179.73	*	*
IWB6	176.3	*	*	*	176.4	*	176.44	*	*	176.35	*	*
Notes dates marked with an asterisk (*) indicates no scheduled sampling required												

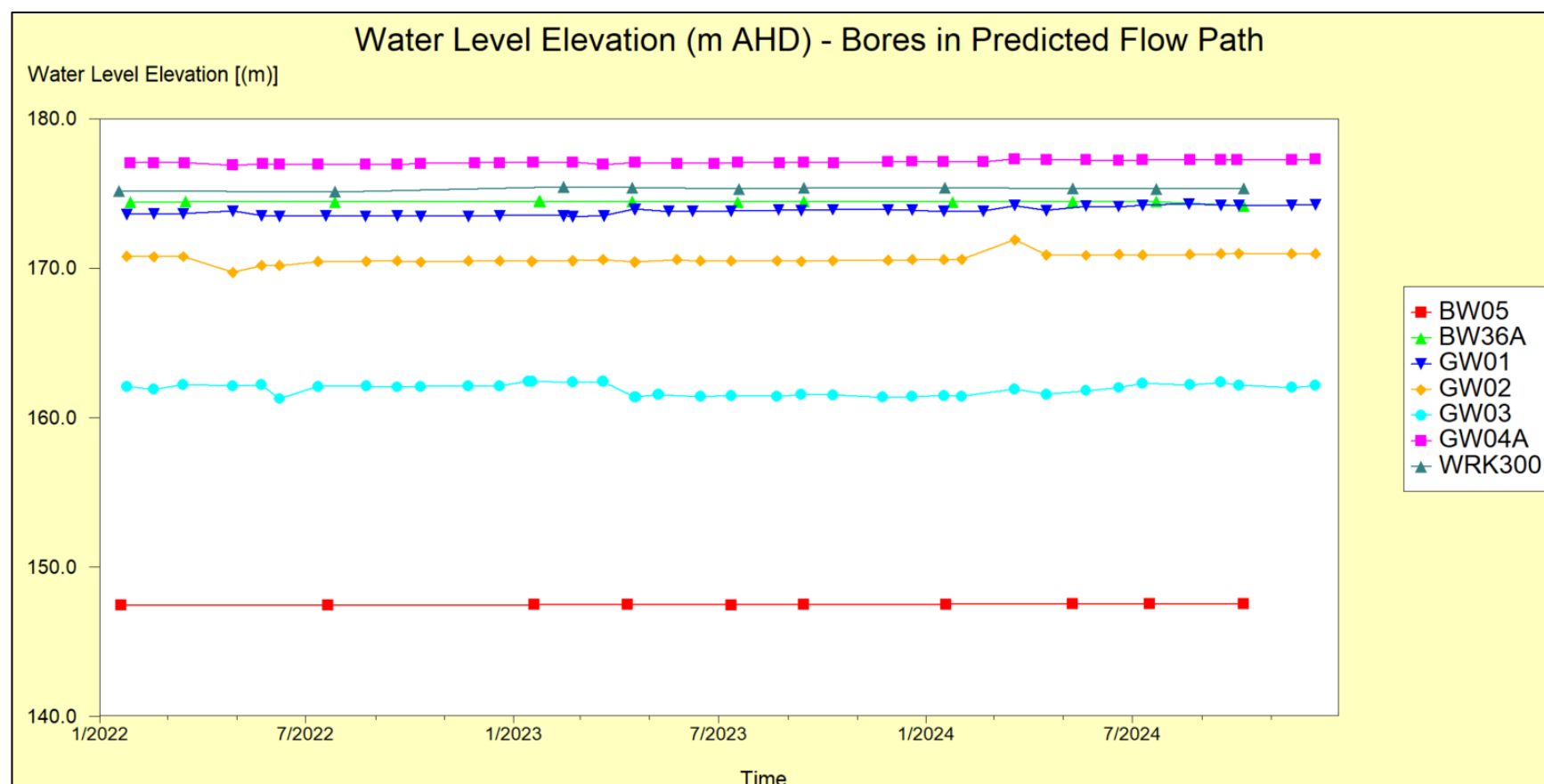


Figure 4. Groundwater elevation (mAHD) bores in predicted flow path.

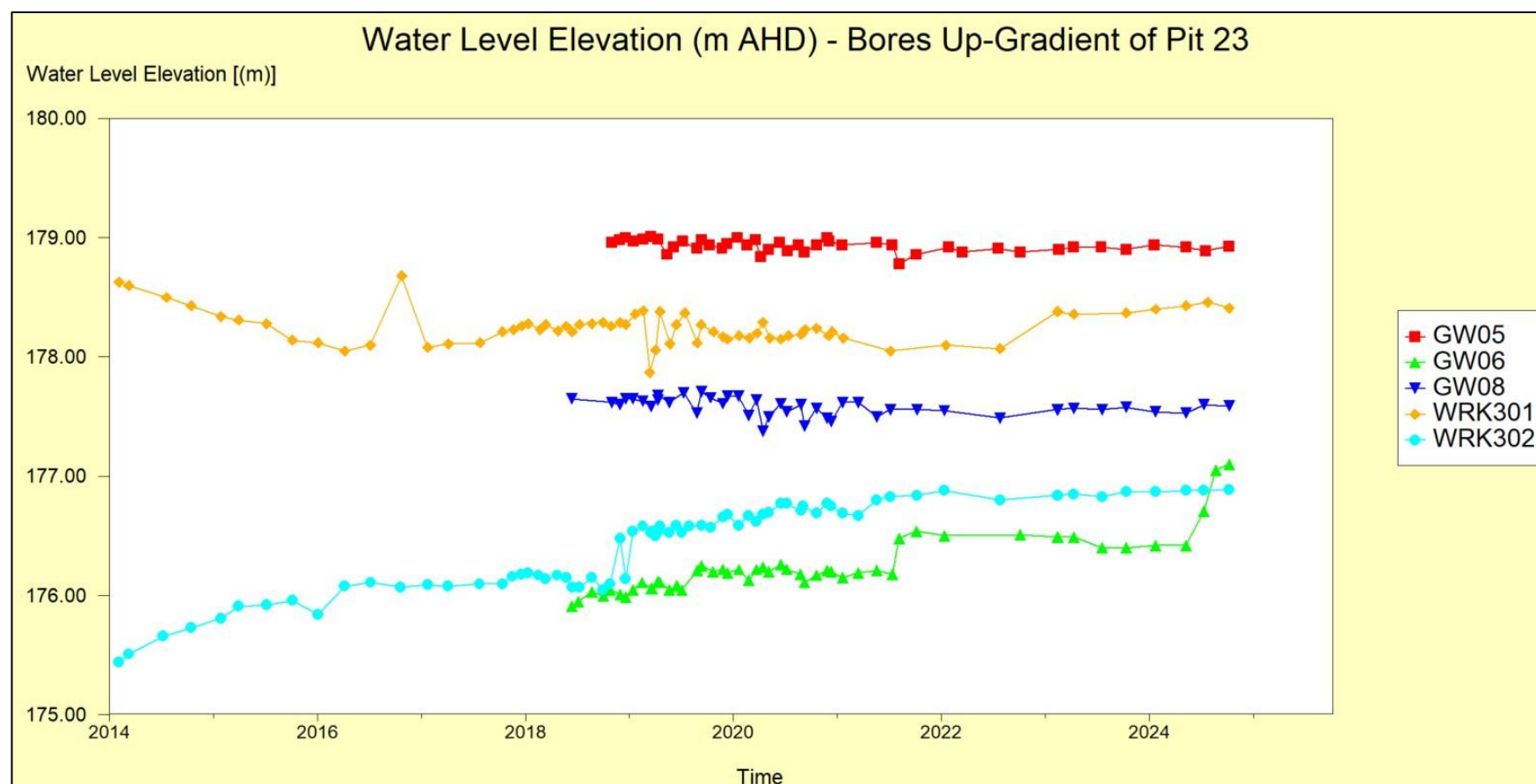


Figure 5. Groundwater elevation (mAHD) up-gradient bores.

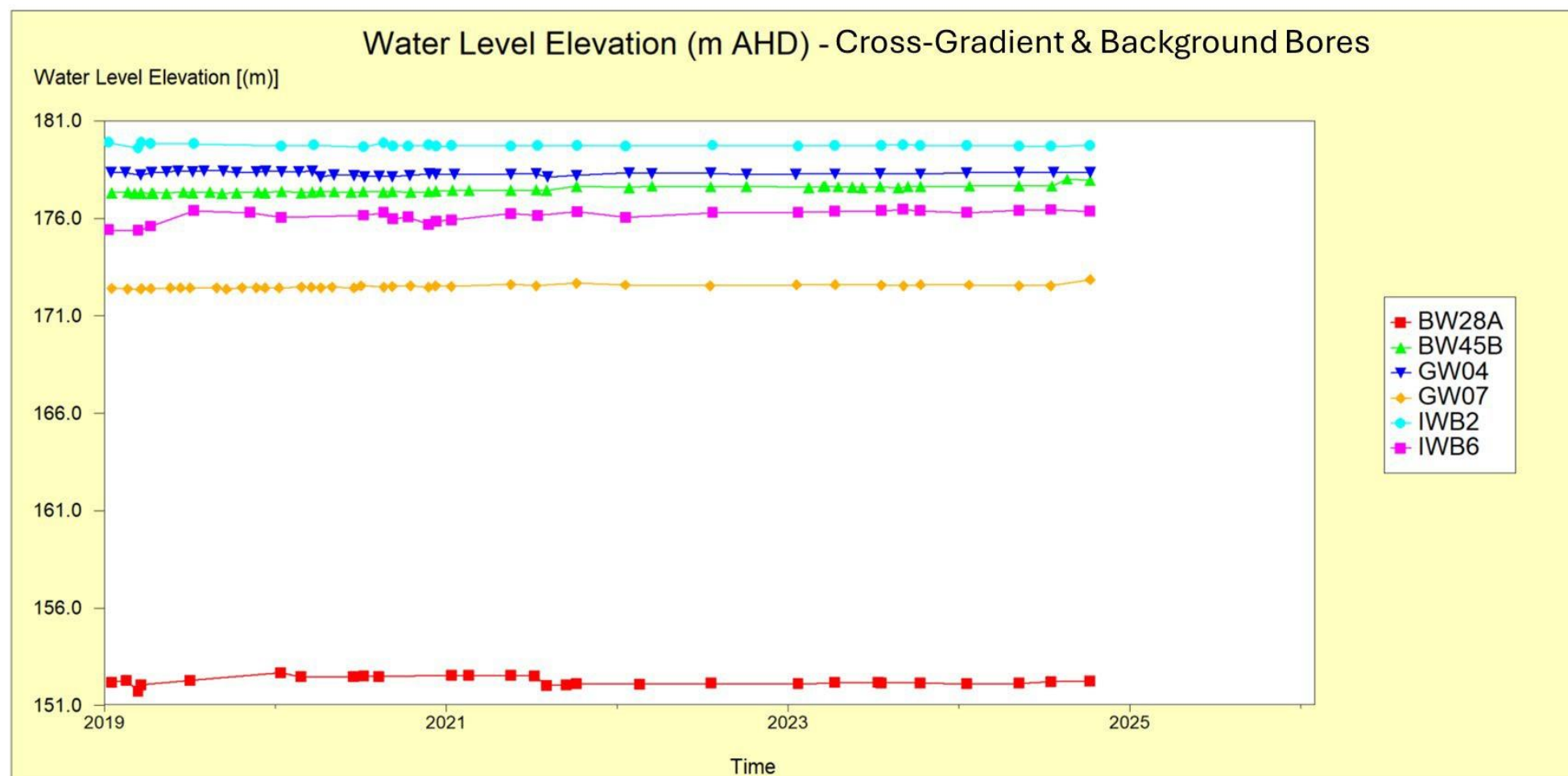


Figure 6. Groundwater elevation (mAHD) cross-gradient and background bores.

4.1.4 Groundwater quality

As per Section 7.3.2 of the EMP, groundwater is dominated by the Na-Cl ion pair whereas the results of laboratory leach tests on MSP by-products show that leachate is dominated by the Ca-SO₄ ion pair. Thus, leachate migration would be indicated by a decline in the Cl:SO₄ and Na:Ca ratios as the concentrations of sulfate or calcium increases relative to the concentrations of chloride or sodium, respectively.

Groundwater water quality objectives (GWQOs) are used to evaluate changes in groundwater chemistry that may be associated with seepage from Pit 23, however, objectives for these ionic ratios are not prescribed in the Environmental Reference Standard (ERS), Environmental Protection Act 2017 (the Act) and the GWQOs for these ratios do not apply as standalone limits to be maintained and are only taken into consideration where they correspond to a simultaneous trend of concern in one or more other analytes. They are used to confirm the likelihood of a Pit 23 related influence on groundwater quality and expression into surface waters where trends of concern are first observed for other analytes.

Per Section 7.6 of the EMP in the event that an exceedance of one or more GWQOs occurs the following will occur:

- Follow up confirmation sampling and analysis
- Referring to the predicted groundwater particle arrival times from the updated hydrogeological model (per EMM, 2019), confirmation of the arrival of seepage from Pit 23 in a bore will be assumed if all the below apply:
 - the results of the follow-up sampling and analysis confirms a continued adverse trend/exceedance;
 - the exceedance(s) correspond with a simultaneous trend of concern/exceedance in Cl:SO₄ and/or Na:Ca ratios;
 - the results are not consistent with the natural background chemistry in that bore or bores; and
 - the timing of the above adverse trends/exceedances is less than 90% of that predicted in the hydrogeological model (i.e. seepage from Pit 23 may have arrived at the bore(s) sooner than expected).

During the reporting period there were no elevated results for GW compliance bores (GW01, GW02, GW03 and GW04A) received in 2024.

All groundwater quality monitoring data (laboratory and field data) for the reporting period for all parameters monitored is provided in **Appendix B** and **Appendix C** of this report, respectively. Charts within **Appendix E** compare the rolling average median of the last eight results against GWQO's.

Groundwater sampling and analysis QA/QC assessment and validation provided by external laboratories did not report any non-conformances.

Three field blanks (September, October and December 2024) and four blind duplicates (August, September, October and December 2024) were taken during the reporting period. The field blanks were prepared in the field using laboratory verified analyte-free water. The results of the QA/QC assessment of the field blanks taken during 2024 indicate there were low detection of various cations/anions (Calcium), metals (Nickel and Selenium) and Total Dissolved Solids detected. This may be an indication of cross-contamination from sampling equipment of the detected elements and or may have been present as impurities in the water used. However, concentrations were generally close to the laboratory limit of reporting, so do not indicate gross contamination. Assessment of the results for the field blanks and blind duplicates is provided in **Appendix D**. While there were no rinsate blanks taken, this has been incorporated into the monitoring schedule.

Blind duplicate samples taken in August, September, October and December 2024 had acceptable repeatability for all results being within 66% relative percentage difference (RPD) with the exception of one analyte (Selenium) from October where the RPD was 120% (<0.001 v 0.004).

The results of a blind duplicate taken during the reporting period is provided in **Appendix D**.

4.2 Surface water quality

4.2.1 Run-off fed surface water sites

In accordance with Section 8.4.3.2 of the EMP, surface water samples are required monthly (when available) and/or must be obtained from nominated run-off fed surface water monitoring points if a discharge of run-off water from the disturbed area of Pit 23 and surrounds occurs.

No discharges occurred during the reporting period and subsequently no follow-up monitoring was required. All surface water quality monitoring data for the reporting period is provided in **Appendix A** of this report.

4.2.2 Groundwater-fed surface water sites

In accordance with Section 8.4.3.1 of the EMP, monthly surface water samples (when available) obtained from the nominated groundwater-fed surface water monitoring points down-gradient of Pit 23 (i.e. surface water features receiving groundwater base-flow) are analysed for a suite of target parameters to identify the potential expression of Pit 23 groundwater seepage.

As per Section 7.3.2 of the EMP groundwater is dominated by the Na-Cl ion pair whereas the results of laboratory leach tests on MSP by-products show that leachate is dominated by the Ca-SO₄ ion pair. Thus, leachate migration would be indicated by a decline in the Cl:SO₄ and Na:Ca ratios as the concentrations of sulfate or calcium increases relative to the concentrations of chloride or sodium, respectively.

Surface water quality objectives (SWQOs) as described per Table 22 of the EMP are used to evaluate changes in water chemistry that may be associated with seepage from Pit 23, however, objectives for these ionic ratios are not prescribed in the Environmental Reference Standard (ERS) and the SWQOs for these ratios do not apply as standalone limits to be maintained and are only taken into consideration where they correspond to a simultaneous trend of concern in one or more other analytes. i.e. they are used to confirm the likelihood of a Pit 23 related influence on groundwater quality and expression into surface waters where trends of concern are first observed for other analytes.

Per Section 8.6 of the EMP in the event that an exceedance of one or more SWQOs occurs the following will occur:

- Follow up confirmation sampling and analysis

- Exceedances will be assumed as related to Pit 23 if **all** the below apply:
 - the results of the follow-up sampling and analysis confirms a continued adverse trend/exceedance;
 - the exceedance(s) correspond with a simultaneous trend of concern/exceedance in Cl:SO₄ and/or Na:Ca ratios;
 - the results are not consistent with the natural background chemistry at that site (where sufficient depth of data exists to allow this assessment). This recognises that some receptor sites have unique and variable chemistry that may naturally exceed the site-specific SWQOs);
 - similar trends of concern/exceedances are **not** observed in samples obtained from reference/analogue sites as listed in Table 19 of the EMP; and
 - the timing of the above adverse trends/exceedances is less than 90% of that predicted in the hydrogeological model (i.e. seepage from Pit 23 may have arrived at the bore(s) sooner than expected).

Table 4 listed below describes surface water locations and sampling frequency.

Table 4: Surface water monitoring program

Receptor Sites	Frequency
Receptors: Groundwater-fed	
DUSW20 – North-west drainage line DUSW05B – White Lake DUSW24 – McGlashin Swamp	• Monthly; or • During or following an off-site discharge event (creek and drainage lines only)
Receptors: Runoff-fed	
DUSW11 – Chadwicks Wetland DUSW25 – Red Hill drainage line	• Monthly; or • During or following an off-site discharge event (creek and drainage lines only)

Nil exceedances or trends of concern attributable to Pit 23 seepage or mining influences as per the SWQO's following surface water sampling and analysis at groundwater fed receptor locations DUSW24, DUSW05B and DUSW20 were identified during the 2024 reporting period.

Due to dry conditions during the monitoring period, no samples were able to be collected from sites: DUSW11, DUSW20 and DUSW25. Only two samples were collected from DUSW05B site during 2024 with DUSW05B drying out towards the end of February.

Sampling results at location DUSW05B (White Lake) in 2024 showed elevated results for Boron in January 9.3 mg/L and February 9.5 mg/L (refer to Table 5) however, the last 8 results rolling median remained within the SWQO and the elevated results did not coincide with a simultaneous trend or exceedance in ionic balance ratios and is potentially an effect of evapoconcentration as the lake dried out.

Sampling results from location DUSW24 (McGlashin Swamp) show values outside of the 75th percentiles SWQO's for total phosphorous and pH (refer to Table 6). However the elevated values

align with natural background levels and or do not coincide with a simultaneous trend or exceedance in ionic balance ratios and are not considered attributable to Pit 23 seepage or mining impact. Historically, there have been several instances where elevated pH values has have coincided with a rise in EC due to drying periods and evapoconcentration. Figure 7 below shows this has occurred in January 2017 and December 2024, indicating these fluctuations of pH is typical behavior for DUSW24. Similar findings were reported by EMM (2018) following an investigation into elevated pH values at McGlashin Swamp (DUSW24, 2017).

All surface water quality monitoring data for the reporting period is provided in **Appendix A** of this report.

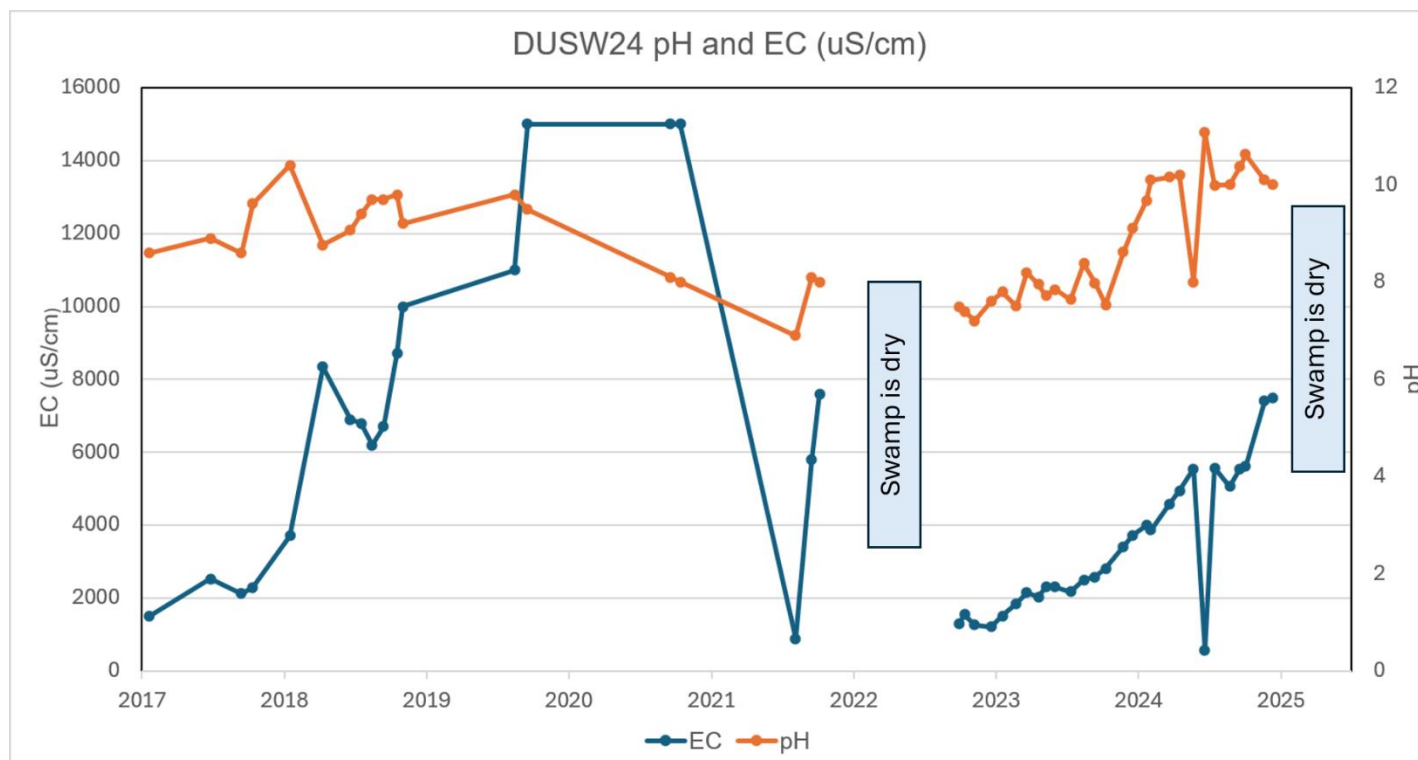


Figure 7. DUSW24 pH and EC monitoring results.

Site ID	Sample date	Boron			
	SWQO's	B (mg/l)	Rolling median of last 8 results	80th %ile limit	95th %ile limit
DUSW05B	17/01/2023	2.3		4.5	6.5
	21/02/2023	3.5		4.5	6.5
	20/03/2023	3		4.5	6.5
	19/04/2023	1.9		4.5	6.5
	9/05/2023	3.2		4.5	6.5
	1/06/2023	4.8		4.5	6.5
	11/07/2023	2.1	2.65	4.5	6.5
	14/08/2023	2.3	2.65	4.5	6.5
	11/09/2023	2.4	2.7	4.5	6.5
	9/10/2023	3.1	2.7	4.5	6.5
	23/11/2023	1.1	2.35	4.5	6.5
	18/12/2023	7.3	2.75	4.5	6.5
	22/01/2024	9.5	2.75	4.5	6.5
	1/02/2024	9.3	2.75	4.5	6.5
	Natural Background (av + 2SD)	7.36			

Table 5. DUSW05B surface water monitoring results.

Site ID	Sample date	Total Phosphorus			pH			
	SWQO's	TP (mg/l)	Rolling median of last 8 results	75th %ile limit	pH	Rolling median of last 8 results	25th %ile limit	75th %ile limit
DUSW24	17/01/2023	1.8		0.76	7.8		6.5	9.4
	21/02/2023	2.1		0.76	7.5		6.5	9.4
	20/03/2023	2.4		0.76	8.2		6.5	9.4
	19/04/2023	2.4		0.76	7.95		6.5	9.4
	9/05/2023	2.2		0.76	7.72		6.5	9.4
	1/06/2023	1.9		0.76	7.85		6.5	9.4
	11/07/2023	1.5		0.76	7.64		6.5	9.4
	14/08/2023	1.4		0.76	8.38		6.5	9.4
	11/09/2023	1.5		0.76	7.98		6.5	9.4
	9/10/2023	1.5		0.76	7.53		6.5	9.4
	23/11/2023	1.5		0.76	8.62		6.5	9.4
	18/12/2023	1.4		0.76	9.11		6.5	9.4
	22/01/2024	0.6	1.5	0.76	9.67	8.18	6.5	9.4
	1/02/2024	0.31	1.45	0.76	10.1	8.5	6.5	9.4
	20/03/2024	0.37	1.4	0.76	10.16	8.865	6.5	9.4
	16/04/2024	0.24	1	0.76	10.2	9.39	6.5	9.4
	21/05/2024	0.31	0.485	0.76	8	9.39	6.5	9.4
	19/06/2024	0.35	0.36	0.76	11.08	9.885	6.5	9.4
	15/07/2024	0.33	0.34	0.76	9.99	10.045	6.5	9.4
	22/08/2024	0.28	0.32	0.76	10	10.05	6.5	9.4
	17/09/2024	0.15	0.31	0.76	10.37	10.13	6.5	9.4
	2/10/2024	0.11	0.295	0.76	10.63	10.18	6.5	9.4
	19/11/2024	0.17	0.26	0.76	10.1	10.15	6.5	9.4
	10/12/2024	0.24	0.26	0.76	10	10.05	6.5	9.4
	Natural Background (av + 2SD)	2.29			10.4			

Table 6. DUSW24 surface water monitoring results.

4.3 Noise

In accordance with Section 10.1.4 of the endorsed EMP, noise level measurements will be undertaken in the unlikely event that noise complaints are received.

No noise related complaints were received during the reporting period, and hence no noise levels measurements were undertaken.

4.4 Weeds

No Weeds of national significance were identified during the reporting period.

4.5 Vehicle Hygiene

No incidents were identified during the reporting period.

4.6 Public Safety

No breaches of the security perimeter occurred during the reporting period.

4.7 PM₁₀ concentrations in air

In accordance with Sections 9.6 and 10.1.4 of the endorsed EMP, the concentration of PM₁₀ dust in air at the Lyon's and Chadwick's residences is measured using high volume ('hi-vol') air samplers on a one-in-six day monitoring cycle. The location of these hi-vol air samplers relative to Pit 23 are shown in Figure 9.

12-month rolling results for PM₁₀ compared to daily rainfall are shown in Figure 8. Results adhere to the expected year-on-year pattern of lower airborne PM₁₀ concentrations in winter months. Four elevated results above the PM₁₀ concentration limit of 0.06 mg/m³ at Lyons and Chadwicks were recorded during the reporting period and are unlikely to be attributable to site activities.

On the 14th of February elevated values were recorded at both Lyons and Chadwicks locations coinciding with annual stubble burn off practices in adjacent paddocks during that time of year (Feb-Apr). Similarly, the March elevated result at Lyons can be attributed to stubble burn off, additionally there were no site activities undertaken at that time (due to a rostered day off for the site). Field observations during the elevated result at Chadwicks in December note dry and dusty conditions with harvesting occurring at adjacent properties to the Hivol location.

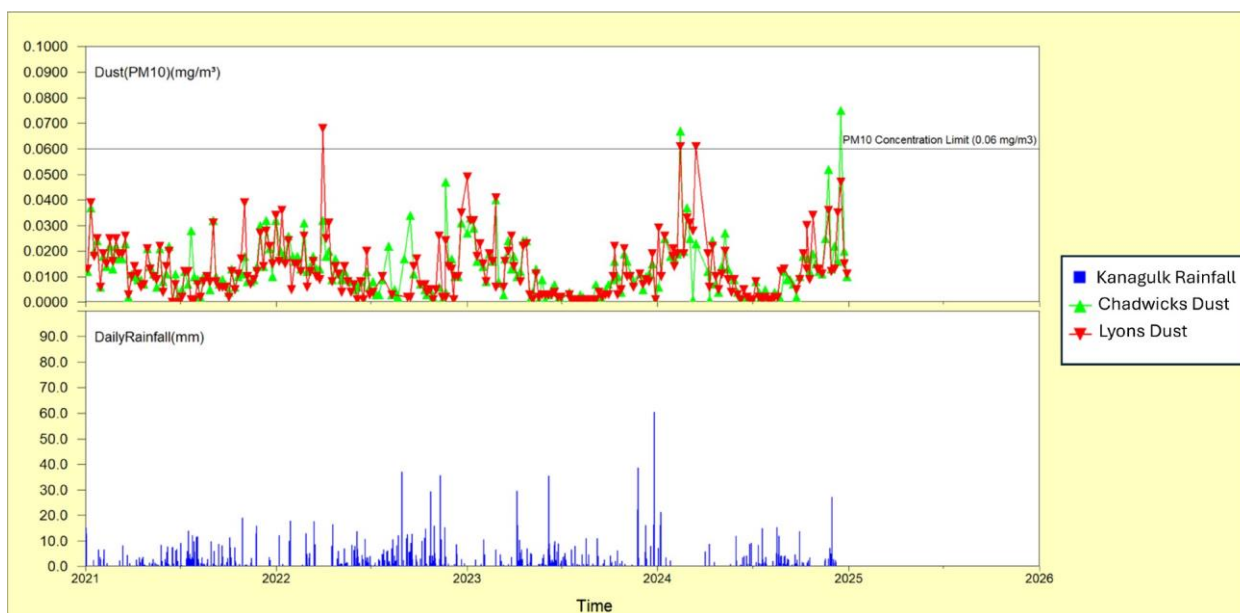


Figure 8. PM₁₀ dust concentrations at neighboring residences vs. daily rainfall.



Figure 9. Pit 23 air quality (PM10) monitoring locations.

4.8 Radiation monitoring – other

While radionuclide monitoring for radon and thoron is not a requirement of the EMP and RVMP performance report, it is a requirement of the Iluka Radiation Management Licence 300042022 whereby works relating to the minerals sands by-product disposal into Pit 23 are conducted in accordance with a Radiation Management Plan (RMP) and a Radioactive Waste Management Plan (RWMP), including the monitoring programs under those plans, to ensure that radiation doses are below the prescribed limit.

Radiation monitoring relevant to this performance report includes:

- Radon concentrations in air;
- Gross alpha activity concentration of airborne dust; and
- Radionuclide concentrations in groundwater and surface water.

Results for radon concentrations in air and gross alpha activity concentration of airborne dust are detailed below. Results for radionuclides in groundwater and surface water are detailed in Sections 4.1 and 4.2 respectively.

4.8.1 Air Radon and Thoron Concentrations

Monitoring of radon concentrations in air is undertaken at four locations within Pit 23 and at two residences east of Pit 23 (Chadwick's) and south of Pit 23 (Rises), refer Figure 9 for the monitoring locations. Radon monitoring is undertaken using Rapidos High Sensitivity ("Rapidos HS") radon detectors and thoron monitoring is undertaken using Landauer Thoron Progeny Detectors, refer to Figure 10 below.

New high-sensitivity thoron detectors from Landauer were installed at the start of 2021 to replace the Radtrak2 detectors. The new thoron progeny meters have a lower detectable limit of $\sim 0.5 \text{ Bq/m}^3$ compared with the previous Radtrak2 detectors that had a higher detection limit of 30 Bq/m^3 .

Radon and Thoron monitoring results for the reporting period are presented in Table 6 and Table 7, and also in Figure 11 and Figure 12.

All measured radon and thoron levels during 2024 were well below the reportable levels.



Figure 10. Thoron and Radon detectors.

Table 7: Radon concentrations within Pit 23 to 2024.

Location	Radon concentration in air (Bq/m ³)											
	Reportable level	Apr22 to Jun22	Jul22 to Sep22	Oct22 to Dec22	Feb23 to Apr23	Apr23 to Jul23	Jul23 to Sep23	Oct23 to Jan24	Jan24 to Apr24	Apr24 to Jul24	Jul24 to Oct24	Oct24 to Jan25
Pit 23 East	100	<10	<6	<8	<5	<5	NR	<4	20	6	<6	<6
Pit 23 North	100	<9	<6	<8	<5	<3	NR	72	<10	6	<6	<6
Pit 23 West	100	<10	8 ± 6	<8	<5	4	NR	<4	1	<7	<6	<6
Pit 23 South	100	<9	<6	<8	<5	6	NR	<4	1	8	<6	<6
Chadwick's	100	<10	<6	<8	<5	9	NR	<4	4	11	<8	<6
Rises	100	11 ± 8	<6	<8	<5	8	NR	<4	8	15	6	<6

Table 8: Thoron concentrations within Pit 23 to 2024.

Location	Thoron concentration in air (Bq/m³)										
	Reportable level	Apr22 to Jun22	Jul22 to Sep22	Oct22 to Feb23	Feb23 to Apr23	Apr23 to Jul23	Jul23 to Oct23	Jan24 to Apr24	Apr24 to Jul24	Jul24 to Oct24	Oct24 to Jan25
Pit 23 East	1000	2.4 ± 2.1	<1.6	<2.4	1.7 ± 0.54	<2.0	1.6 ± 0.48	-	<1.5	4.3	3.1 ± 0.42
Pit 23 North	1000	2.7 ± 2.2	<1.5	<2.0	1.3 ±0.50	<2.5	3.1 ± 1.3	<6.7	<4.4	2.8	0.86 ± 0.25
Pit 23 West	1000	10 ± 2.6	<1.6	2.1 ± 1.6	2.2 ± 0.57	<0.54	1.6 ± 0.79	7.1	<3.2	<2.2	5.7± 0.56
Pit 23 South	1000	8.6 ± 2.5	3.2 ± 1.7	6.0 ± 2.7	2.2 ± 0.57	<6.0	0.10 ± 0.046	9.3	4.1	<3.4	3.7 ± 0.47
Chadwick's	1000	3.2 ± 2.2	<1.6	<3.6	1.5 ± 0.51	<0.75	1.4 ± 0.27	2.5	8.1	<3.1	2.1 ± 0.37
Rises	1000	<2.0	<1.5	1.4 ± 0.68	4.7± 0.73	<0.73 ± 0.35	0.85 ± 0.11	1.7	<2.2	<2.4	3.5 ± 0.46

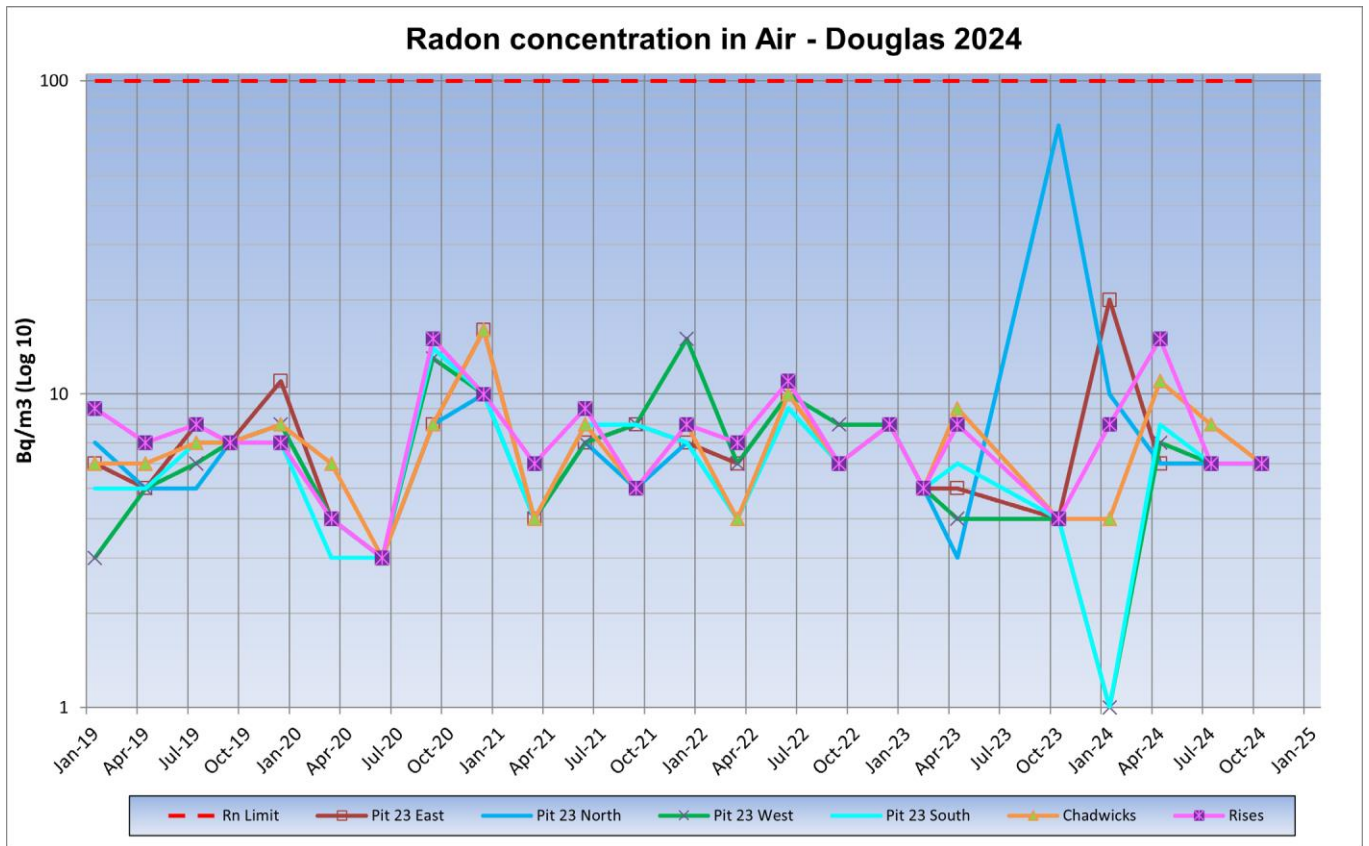


Figure 11. Radon concentration results for 2024.

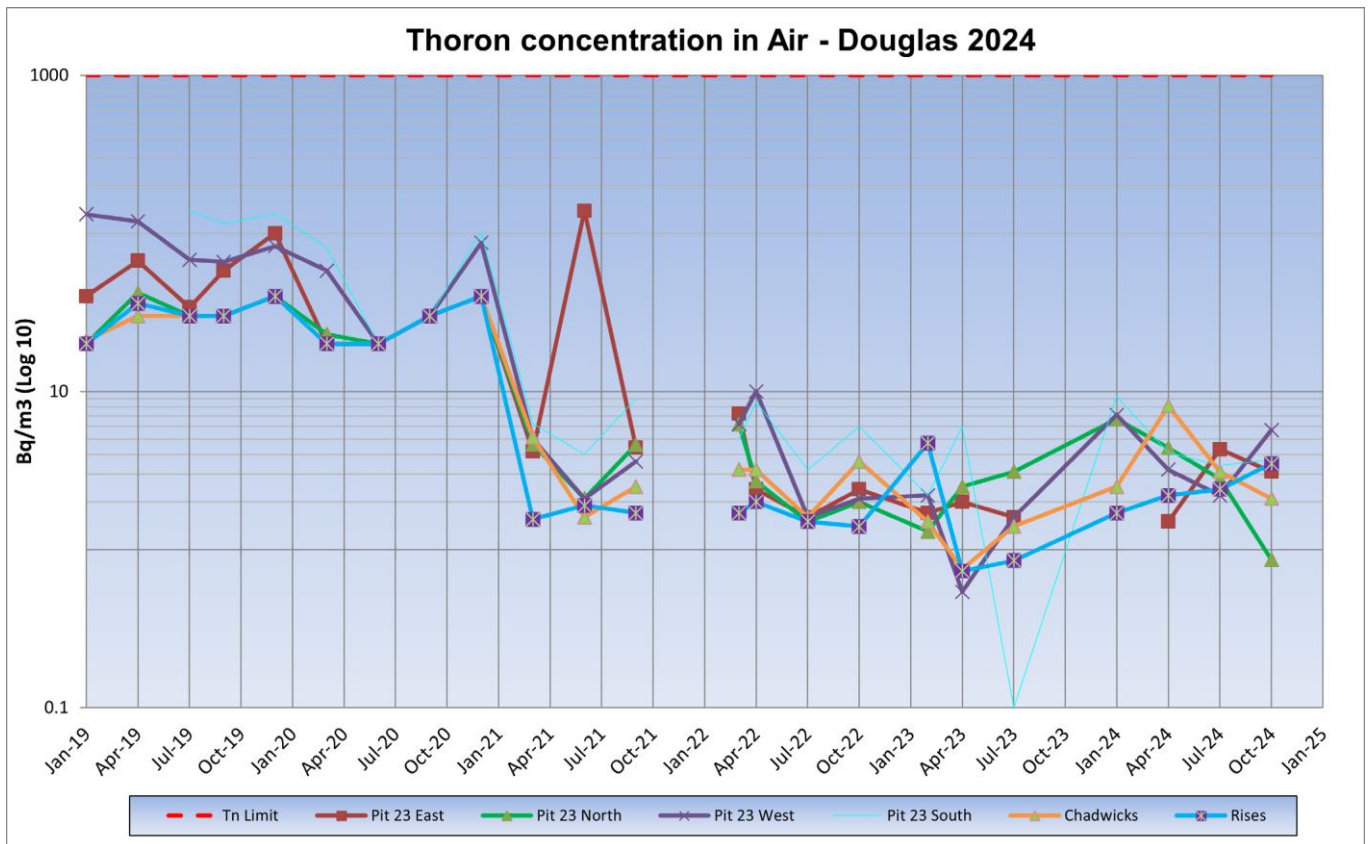


Figure 12. Thoron concentration results for 2024.

4.8.2 Gross alpha concentrations in airborne dust

As noted in Section 4.7, sampling for airborne particulates in PM₁₀ dust is conducted using high volume (hi-vol) air samplers located at the Chadwick's and Lyons residences (see Figure 9).

On a quarterly basis hi-vol units are run at the Lyons, Chadwicks and Rises residences for a continuous 96 hour period for purposes of monitoring gross alpha concentration in air, which represents a total air sample volume of approximately 6,000 m³. The filters are weighed to determine the total dust loading in mg/m³ and then analysed for gross alpha activity expressed as millibecquerels/m³ (mBq/m³).

The results for the monitoring period are in line with historical values and are shown in Table 9 and Figure 13.

Table 9: Gross Alpha radiation in PM₁₀ dust.

Location	Run Date	Sample No / Filter No.	Air Volume (m ³)	Activity Conc (mBq/m ³)
Chadwick's	27/08/2021	150121GF34	6149	0.17
Lyon's	27/08/2021	150121GF33	6159	0.18
Rises	27/08/2021	150121GF32	6108	0.20
Chadwick's	7/11/2021	060921GF7	6051	0.08
Lyon's	7/11/2021	060921GF6	6052	0.08
Rises	26/11/2021	060921GF14	6009	0.10
Chadwick's	6/4/2022	060921GF62	5966	0.212
Lyon's	6/4/2022	060921GF63	5998	0.138
Rises	6/4/2022	160522GF52	6259	0.209
Chadwick's	14/6/2022	060921GF33	5747	0.353
Lyon's	14/6/2022	060921GF27	5799	0.487
Rises	14/6/2022	060921GF57	6002	0.035
Chadwick's	2/8/2022	060921GF96	6230	0.135
Lyon's	2/8/2022	060921GF97	5323	0.143
Rises	2/8/2022	060921GF98	6220	0.148
Chadwick's	13/10/2022	160522GF30	6060	0.237
Lyon's	13/10/2022	160522GF29	6091	0.348
Rises	13/10/2022	160522GF31	6127	0.344
Chadwick's	12/3/2023	ME334488.007	6012	0.078
Lyon's	12/03/2023	ME334488.008	5964	0.073
Rises	18/3/2023	ME334488.009	5913	0.172
Chadwick's	13/5/2023	ME337126.016	6159	0.614
Lyon's	13/05/2023	ME337126.015	6212	0.581
Rises	13/5/2023	ME337126.017	6227	0.585
Chadwick's	16/7/2023	ME344746.005	6167	0.655
Lyon's	16/07/2023	ME344746.004	6177	0.535
Rises	16/7/2023	ME344746.003	6223	0.708
Chadwick's	8/10/2023	ME348247.001	6176	0.123
Lyon's	8/10/2023	ME348247.002	6210	0.069
Rises	16/10/2023	ME348247.005	6061.5	0.046
Chadwick's	26/01/2024	010323GF99	5699.64	0.215
Lyon's	30/01/2024	010323GF100	5881.75	0.197
Rises	14/02/2024	010323GF108	5187.7	0.119
Chadwick's	6/04/2024	010323GF125	6051.06	0.183
Lyon's	6/04/2024	010323GF124	6094.45	0.162

Location	Run Date	Sample No / Filter No.	Air Volume (m ³)	Activity Conc (mBq/m ³)
Rises	4/05/2024	010323GF138	6055.1	0.344
Chadwick's	7/07/2024	010323GF161	6143.39	0.354
Lyon's	7/07/2024	010323GF160	6227.22	0.431
Rises	2/07/2024	010323GF149	6394.49	0.331
Chadwick's	15/10/2024	010323GF190	6073.56	0.163
Lyon's	29/10/2024	ME346287.002	5634.29	0.121

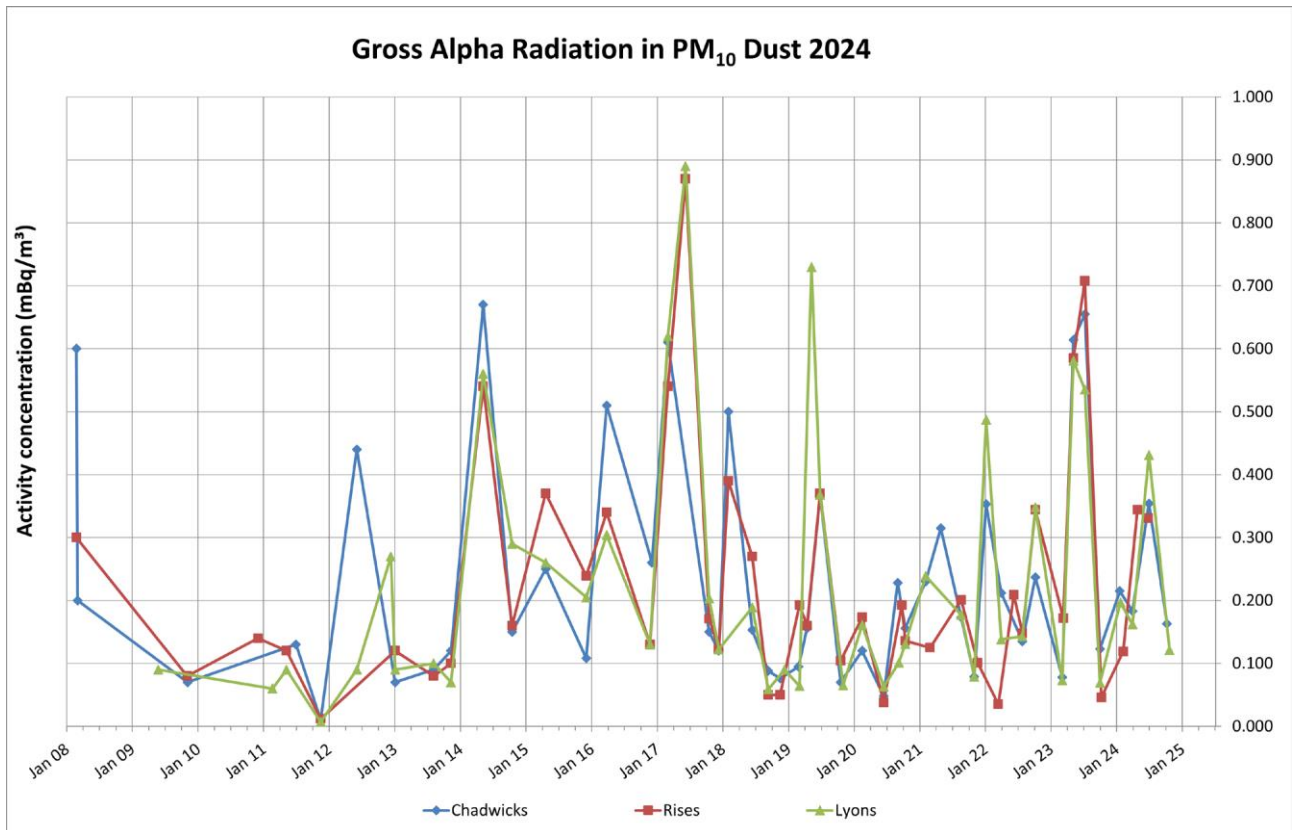


Figure 13. Gross Alpha Radiation in PM₁₀ Dust for 2024.

5 Management Actions

5.1 Groundwater model review and recalibration

Preliminary findings of the 2019 groundwater model update were presented to the Responsible Authority and Pit 23 Technical Reference Group (TRG) by Iluka and EMM Consulting personnel at a meeting held at the HRCC Council Chambers on 23rd May 2019. The final modelling report was completed and provided to the Responsible Authority in Q3 2019.

This modelling was used to validate existing model predictions on the groundwater flow path and groundwater flow rates from the Pit 23 facility, and to inform updates to groundwater-related content of the Pit 23 Environmental Management Plan (EMP, Rev 5.1).

Section 7.5.8 of the endorsed EMP outlines the drivers that will trigger a review and recalibration of the hydrogeological model.

5.2 Maximum surface level of disposed materials in Pit 23

In accordance with Section 12.1 of the EMP, the maximum elevation of the upper surface of materials disposed of at the end of the reporting period must be reported.

Accordingly, as rehabilitation earthworks continued within Pit 23, the upper surface of material deposited in Pit 23 (i.e. the elevation of capped material in the upper disposal area) remains at 202 mAHD.

5.3 Non-compliances

No non-compliances occurred during the reporting period.

5.4 Comments and complaints received

No complaints or comments were received during the 2024 reporting period.

5.5 2024 Completed Actions

The following actions were completed during to 2024:

- Review of the Pit 23 Risk Register

5.6 2025 Proposed Actions

The following actions are planned for 2025:

- Implementation of the ongoing monitoring requirements as per the EMP (Revision 5.1);
- Continued rehabilitation works;
- Review of the Pit 23 Risk Register; and
- Review of the EMP.

5.7 Other matters

5.7.1 Geotechnical audit

In accordance with Section 10.4.4.5 of the EMP, geotechnical audits are completed on a biennial basis with the last audit completed in October 2023 (AMC Consultants, 2023).

5.7.2 Pit 23 Risk Register annual review

Per Section 6 of the EMP, the Pit 23 Risk Analysis and Response Plan (RARP) was developed by AECOM Australia Pty Ltd who recommended that the Pit 23 Risk Register (contained as Appendix A of the RARP) be reviewed annually at the time when EMP and Rehabilitation Performance Reports are developed.

A review of the Pit 23 RARP risk register was undertaken in H2 2024 with the register's next review scheduled to be completed in H2 2025.

6 References

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EES (2016) *Independent Desktop Review For The Continuation Of Mineral By-Products Disposal Into Pit 23 At Iluka's Douglas Mine Site, Northwest Victoria No. 215071v2 dated April 2016*. Prepared by Environmental Earth Sciences, Melbourne, Victoria. (TRIM T18729).

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EMM (2019) *Groundwater Model Update and Predictive Scenario Modelling – Douglas Mine*. Prepared by EMM Consulting for Iluka Resources Ltd, September 2019.

EPA (2017) Environmental Reference Standard, Environmental Protection Act 2017 (the Act) 2017 (in effect from 1st July 2021).

Water Technology (2017) Douglas Mine Surface Water Management System Modelling – Methodology and Results Report, April 2017 (v0.4_Final)

Water Technology (2018) Rainfall Analysis and Model Update, Douglas Mine – Surface Water Management System Modelling, February 2018.

Water Technology (2023) Douglas Mine Catchment Modelling Update: Douglas Mine Catchment Modelling Surface Water Management System Modelling, April 2023.

7 Appendices

Appendix A: Monitoring Data – Surface Water

Variable	Unit	Sample Point	Date	Result
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.06
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	8.4
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	<0.01
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	0.19
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.02
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.06
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.14
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.34
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.15
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.06
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.09
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	0.02
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.05
Aluminium (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	0.05
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	1.2
Boron (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	9.5
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	1.7
Boron (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	9.5
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	1.6
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	1.3
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	1.4
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	1.2
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	1.3
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	1.2
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.96
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	1.1
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	1.2
Boron (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	1.2
Calcium	mg/L	DG_A_I_SW_DUSW24	22/01/2024	84
Calcium	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	840
Calcium	mg/L	DG_A_I_SW_DUSW24	1/02/2024	59
Calcium	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	750
Calcium	mg/L	DG_A_I_SW_DUSW24	20/03/2024	58
Calcium	mg/L	DG_A_I_SW_DUSW24	16/04/2024	56
Calcium	mg/L	DG_A_I_SW_DUSW24	21/05/2024	55
Calcium	mg/L	DG_A_I_SW_DUSW24	19/06/2024	61
Calcium	mg/L	DG_A_I_SW_DUSW24	15/07/2024	57
Calcium	mg/L	DG_A_I_SW_DUSW24	22/08/2024	NA
Calcium	mg/L	DG_A_I_SW_DUSW24	17/09/2024	54
Calcium	mg/L	DG_A_I_SW_DUSW24	2/10/2024	55
Calcium	mg/L	DG_A_I_SW_DUSW24	19/11/2024	54
Calcium	mg/L	DG_A_I_SW_DUSW24	10/12/2024	58
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	22/01/2024	19.61
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW05B	22/01/2024	17.53
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	1/02/2024	26.32
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW05B	1/02/2024	14.62
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	20/03/2024	30.43
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	16/04/2024	32.61
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	21/05/2024	29.82
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	19/06/2024	26.15
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	15/07/2024	27.59
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	22/08/2024	NA
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	17/09/2024	30.19
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	2/10/2024	28.33

Variable	Unit	Sample Point	Date	Result
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	19/11/2024	30.43
Chloride:Sulfate Ratio		DG_A_I_SW_DUSW24	10/12/2024	32.61
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.01
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.006
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.002
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	<0.001
Chromium (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.01
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	<0.001
Cobalt (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	<0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.003
Copper (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.01
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	0.002
Copper (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.003
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	<0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.002
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.002
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.002
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	<0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.001
Copper (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	<0.001
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	22/01/2024	116
Dissolved Oxygen	%	DG_A_I_SW_DUSW05B	22/01/2024	63
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	1/02/2024	134
Dissolved Oxygen	%	DG_A_I_SW_DUSW05B	1/02/2024	71
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	20/03/2024	68
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	16/04/2024	101
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	21/05/2024	139.6
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	19/06/2024	107.9
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	15/07/2024	91
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	22/08/2024	92
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	17/09/2024	74
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	2/10/2024	112.9
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	19/11/2024	112.1
Dissolved Oxygen	%	DG_A_I_SW_DUSW24	10/12/2024	113.5

Variable	Unit	Sample Point	Date	Result
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	22/01/2024	3996
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW05B	22/01/2024	222238
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	1/02/2024	3871
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW05B	1/02/2024	213668
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	20/03/2024	4564
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	16/04/2024	4940
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	21/05/2024	5540
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	19/06/2024	573
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	15/07/2024	5570
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	22/08/2024	5066
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	17/09/2024	5540
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	2/10/2024	5610
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	19/11/2024	7400
Electrical Conductivity	µS/cm	DG_A_I_SW_DUSW24	10/12/2024	7500
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.17
Iron (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	7.1
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	0.03
Iron (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	0.15
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.02
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.06
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.12
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.28
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.14
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.05
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.07
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	0.02
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.05
Iron (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	0.06
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.01
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	<0.001
Lead (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	<0.001
Na:Ca Ratio		DG_A_I_SW_DUSW24	22/01/2024	7.86
Na:Ca Ratio		DG_A_I_SW_DUSW05B	22/01/2024	119.05
Na:Ca Ratio		DG_A_I_SW_DUSW24	1/02/2024	10.68
Na:Ca Ratio		DG_A_I_SW_DUSW05B	1/02/2024	133.33
Na:Ca Ratio		DG_A_I_SW_DUSW24	20/03/2024	15
Na:Ca Ratio		DG_A_I_SW_DUSW24	16/04/2024	17.86
Na:Ca Ratio		DG_A_I_SW_DUSW24	21/05/2024	18.18
Na:Ca Ratio		DG_A_I_SW_DUSW24	19/06/2024	16.39
Na:Ca Ratio		DG_A_I_SW_DUSW24	15/07/2024	17.37
Na:Ca Ratio		DG_A_I_SW_DUSW24	22/08/2024	NA
Na:Ca Ratio		DG_A_I_SW_DUSW24	17/09/2024	18.52
Na:Ca Ratio		DG_A_I_SW_DUSW24	2/10/2024	18.18
Na:Ca Ratio		DG_A_I_SW_DUSW24	19/11/2024	25.93
Na:Ca Ratio		DG_A_I_SW_DUSW24	10/12/2024	22.41
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.01

Variable	Unit	Sample Point	Date	Result
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	0.003
Nickel (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	0.003
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.002
Nickel (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	0.002
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	2.9
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	15
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	3.3
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	5.7
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	3.7
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	3.8
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	4.1
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	4.7
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	3.5
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	3.2
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	4.3
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	3.6
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	4.1
Nitrogen (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	4.5
pH	pH units	DG_A_I_SW_DUSW24	22/01/2024	9.67
pH	pH units	DG_A_I_SW_DUSW05B	22/01/2024	7.02
pH	pH units	DG_A_I_SW_DUSW24	1/02/2024	10.1
pH	pH units	DG_A_I_SW_DUSW05B	1/02/2024	6.95
pH	pH units	DG_A_I_SW_DUSW24	20/03/2024	10.16
pH	pH units	DG_A_I_SW_DUSW24	16/04/2024	10.2
pH	pH units	DG_A_I_SW_DUSW24	21/05/2024	8
pH	pH units	DG_A_I_SW_DUSW24	19/06/2024	11.08
pH	pH units	DG_A_I_SW_DUSW24	15/07/2024	9.99
pH	pH units	DG_A_I_SW_DUSW24	22/08/2024	10
pH	pH units	DG_A_I_SW_DUSW24	17/09/2024	10.37
pH	pH units	DG_A_I_SW_DUSW24	2/10/2024	10.63
pH	pH units	DG_A_I_SW_DUSW24	19/11/2024	10.1
pH	pH units	DG_A_I_SW_DUSW24	10/12/2024	10
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.6
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	0.14
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	0.31
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	0.13
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.37
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.24
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.31
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.35
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.33
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.28
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.15
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	0.11
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.17
Phosphorus (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	0.24
Radium 226	Bq/L	DG_A_I_SW_DUSW24	22/01/2024	<0.02
Radium 226	Bq/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.07
Radium 226	Bq/L	DG_A_I_SW_DUSW24	1/02/2024	<0.02
Radium 226	Bq/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.11

Variable	Unit	Sample Point	Date	Result
Radium 226	Bq/L	DG_A_I_SW_DUSW24	20/03/2024	<0.02
Radium 226	Bq/L	DG_A_I_SW_DUSW24	16/04/2024	<0.03
Radium 226	Bq/L	DG_A_I_SW_DUSW24	21/05/2024	<0.03
Radium 226	Bq/L	DG_A_I_SW_DUSW24	19/06/2024	<0.03
Radium 226	Bq/L	DG_A_I_SW_DUSW24	15/07/2024	<0.03
Radium 226	Bq/L	DG_A_I_SW_DUSW24	22/08/2024	<0.03
Radium 226	Bq/L	DG_A_I_SW_DUSW24	17/09/2024	<0.09
Radium 226	Bq/L	DG_A_I_SW_DUSW24	2/10/2024	<0.09
Radium 226	Bq/L	DG_A_I_SW_DUSW24	19/11/2024	<0.03
Radium 226	Bq/L	DG_A_I_SW_DUSW24	10/12/2024	<0.02
Radium 228	Bq/L	DG_A_I_SW_DUSW24	22/01/2024	<0.03
Radium 228	Bq/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.13
Radium 228	Bq/L	DG_A_I_SW_DUSW24	1/02/2024	<0.03
Radium 228	Bq/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.18
Radium 228	Bq/L	DG_A_I_SW_DUSW24	20/03/2024	<0.04
Radium 228	Bq/L	DG_A_I_SW_DUSW24	16/04/2024	<0.03
Radium 228	Bq/L	DG_A_I_SW_DUSW24	21/05/2024	<0.06
Radium 228	Bq/L	DG_A_I_SW_DUSW24	19/06/2024	<0.04
Radium 228	Bq/L	DG_A_I_SW_DUSW24	15/07/2024	<0.06
Radium 228	Bq/L	DG_A_I_SW_DUSW24	22/08/2024	<0.05
Radium 228	Bq/L	DG_A_I_SW_DUSW24	17/09/2024	<0.15
Radium 228	Bq/L	DG_A_I_SW_DUSW24	2/10/2024	<0.15
Radium 228	Bq/L	DG_A_I_SW_DUSW24	19/11/2024	<0.05
Radium 228	Bq/L	DG_A_I_SW_DUSW24	10/12/2024	<0.13
Sodium	mg/L	DG_A_I_SW_DUSW24	22/01/2024	660
Sodium	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	100000
Sodium	mg/L	DG_A_I_SW_DUSW24	1/02/2024	630
Sodium	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	100000
Sodium	mg/L	DG_A_I_SW_DUSW24	20/03/2024	870
Sodium	mg/L	DG_A_I_SW_DUSW24	16/04/2024	1000
Sodium	mg/L	DG_A_I_SW_DUSW24	21/05/2024	1000
Sodium	mg/L	DG_A_I_SW_DUSW24	19/06/2024	1000
Sodium	mg/L	DG_A_I_SW_DUSW24	15/07/2024	1600
Sodium	mg/L	DG_A_I_SW_DUSW24	22/08/2024	NA
Sodium	mg/L	DG_A_I_SW_DUSW24	17/09/2024	1000
Sodium	mg/L	DG_A_I_SW_DUSW24	2/10/2024	1000
Sodium	mg/L	DG_A_I_SW_DUSW24	19/11/2024	1400
Sodium	mg/L	DG_A_I_SW_DUSW24	10/12/2024	1300
Sulfate	mg/L	DG_A_I_SW_DUSW24	22/01/2024	51
Sulfate	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	9700
Sulfate	mg/L	DG_A_I_SW_DUSW24	1/02/2024	38
Sulfate	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	13000
Sulfate	mg/L	DG_A_I_SW_DUSW24	20/03/2024	46
Sulfate	mg/L	DG_A_I_SW_DUSW24	16/04/2024	46
Sulfate	mg/L	DG_A_I_SW_DUSW24	21/05/2024	57
Sulfate	mg/L	DG_A_I_SW_DUSW24	19/06/2024	65
Sulfate	mg/L	DG_A_I_SW_DUSW24	15/07/2024	58
Sulfate	mg/L	DG_A_I_SW_DUSW24	22/08/2024	NS
Sulfate	mg/L	DG_A_I_SW_DUSW24	17/09/2024	53
Sulfate	mg/L	DG_A_I_SW_DUSW24	2/10/2024	60
Sulfate	mg/L	DG_A_I_SW_DUSW24	19/11/2024	NA
Sulfate	mg/L	DG_A_I_SW_DUSW24	10/12/2024	NA
Turbidity	NTU	DG_A_I_SW_DUSW24	22/01/2024	6.9
Turbidity	NTU	DG_A_I_SW_DUSW05B	22/01/2024	217
Turbidity	NTU	DG_A_I_SW_DUSW24	1/02/2024	3.5
Turbidity	NTU	DG_A_I_SW_DUSW05B	1/02/2024	30.9
Turbidity	NTU	DG_A_I_SW_DUSW24	20/03/2024	2.78
Turbidity	NTU	DG_A_I_SW_DUSW24	16/04/2024	6

Variable	Unit	Sample Point	Date	Result
Turbidity	NTU	DG_A_I_SW_DUSW24	21/05/2024	2.9
Turbidity	NTU	DG_A_I_SW_DUSW24	19/06/2024	23.1
Turbidity	NTU	DG_A_I_SW_DUSW24	15/07/2024	5.39
Turbidity	NTU	DG_A_I_SW_DUSW24	22/08/2024	2.9
Turbidity	NTU	DG_A_I_SW_DUSW24	17/09/2024	1.4
Turbidity	NTU	DG_A_I_SW_DUSW24	2/10/2024	0
Turbidity	NTU	DG_A_I_SW_DUSW24	19/11/2024	4.2
Turbidity	NTU	DG_A_I_SW_DUSW24	10/12/2024	16.3
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	0.01
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	0.013
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	<0.001
Uranium (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	<0.001
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	22/01/2024	0.0004
Uranium 238	Bq/L	DG_A_I_SW_DUSW05B	22/01/2024	0.01
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	1/02/2024	0.0004
Uranium 238	Bq/L	DG_A_I_SW_DUSW05B	1/02/2024	0.013
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	20/03/2024	0.0003
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	16/04/2024	0.005
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	21/05/2024	0.007
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	19/06/2024	0.006
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	15/07/2024	0.006
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	22/08/2024	<0.006
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	17/09/2024	0.004
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	2/10/2024	0.004
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	19/11/2024	0.004
Uranium 238	Bq/L	DG_A_I_SW_DUSW24	10/12/2024	0.004
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.005
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	<0.01
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	0.003
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	<0.001
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.003
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.005
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.005
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.005
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.005
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.006
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.003
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	0.002
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.001
Vanadium (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	<0.001
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	22/01/2024	0.022
Zinc (Total)	mg/L	DG_A_I_SW_DUSW05B	22/01/2024	0.05
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	1/02/2024	0.071
Zinc (Total)	mg/L	DG_A_I_SW_DUSW05B	1/02/2024	0.03
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	20/03/2024	0.011
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	16/04/2024	0.007
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	21/05/2024	0.004
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	19/06/2024	0.057

Variable	Unit	Sample Point	Date	Result
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	15/07/2024	0.003
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	22/08/2024	0.011
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	17/09/2024	0.032
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	2/10/2024	0.002
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	19/11/2024	0.019
Zinc (Total)	mg/L	DG_A_I_SW_DUSW24	10/12/2024	0.008
Results in italics represent values less than reporting limit i.e. $<0.01 = 0.01$				

Appendix B: Monitoring Data (Lab) – Groundwater

Variable	Unit	Sample Point	Date	Result
Alkalinity Carbonate	mg/L	GW01	16/01/2024	0
Alkalinity Carbonate	mg/L	GW02	16/01/2024	0
Alkalinity Carbonate	mg/L	GW03	16/01/2024	0
Alkalinity Carbonate	mg/L	GW05	17/01/2024	0
Alkalinity Carbonate	mg/L	GW04	17/01/2024	0
Alkalinity Carbonate	mg/L	WRK300	17/01/2024	0
Alkalinity Carbonate	mg/L	IWB2	18/01/2024	0
Alkalinity Carbonate	mg/L	IWB6	18/01/2024	0
Alkalinity Carbonate	mg/L	BW05	18/01/2024	0
Alkalinity Carbonate	mg/L	BW28A	18/01/2024	0
Alkalinity Carbonate	mg/L	WRK302	23/01/2024	0
Alkalinity Carbonate	mg/L	GW06	23/01/2024	0
Alkalinity Carbonate	mg/L	GW08	23/01/2024	0
Alkalinity Carbonate	mg/L	GW07	23/01/2024	0
Alkalinity Carbonate	mg/L	WRK301	24/01/2024	0
Alkalinity Carbonate	mg/L	BW45B	24/01/2024	0
Alkalinity Carbonate	mg/L	BW36A	24/01/2024	0
Alkalinity Carbonate	mg/L	GW01	10/07/2024	0
Alkalinity Carbonate	mg/L	GW03	10/07/2024	0
Alkalinity Carbonate	mg/L	GW02	10/07/2024	0
Alkalinity Carbonate	mg/L	WRK302	11/07/2024	0
Alkalinity Carbonate	mg/L	GW06	11/07/2024	0
Alkalinity Carbonate	mg/L	GW07	15/07/2024	0
Alkalinity Carbonate	mg/L	IWB6	16/07/2024	0
Alkalinity Carbonate	mg/L	IWB2	16/07/2024	0
Alkalinity Carbonate	mg/L	BW05	16/07/2024	0
Alkalinity Carbonate	mg/L	BW28A	17/07/2024	0
Alkalinity Carbonate	mg/L	BW45B	18/07/2024	0
Alkalinity Carbonate	mg/L	GW05	18/07/2024	0
Alkalinity Carbonate	mg/L	GW04	22/07/2024	0
Alkalinity Carbonate	mg/L	WRK300	22/07/2024	0
Alkalinity Carbonate	mg/L	BW36A	22/07/2024	0
Alkalinity Carbonate	mg/L	WRK301	24/07/2024	0
Alkalinity Carbonate	mg/L	BW45B	20/08/2024	0
Alkalinity Carbonate	mg/L	GW06	22/08/2024	0
Alkalinity Hydroxide	mg/L	GW01	16/01/2024	0
Alkalinity Hydroxide	mg/L	GW02	16/01/2024	0
Alkalinity Hydroxide	mg/L	GW03	16/01/2024	0
Alkalinity Hydroxide	mg/L	GW05	17/01/2024	0
Alkalinity Hydroxide	mg/L	GW04	17/01/2024	0
Alkalinity Hydroxide	mg/L	WRK300	17/01/2024	0
Alkalinity Hydroxide	mg/L	IWB2	18/01/2024	0
Alkalinity Hydroxide	mg/L	IWB6	18/01/2024	0
Alkalinity Hydroxide	mg/L	BW05	18/01/2024	0
Alkalinity Hydroxide	mg/L	BW28A	18/01/2024	0
Alkalinity Hydroxide	mg/L	WRK302	23/01/2024	0
Alkalinity Hydroxide	mg/L	GW06	23/01/2024	0
Alkalinity Hydroxide	mg/L	GW08	23/01/2024	0
Alkalinity Hydroxide	mg/L	GW07	23/01/2024	0
Alkalinity Hydroxide	mg/L	WRK301	24/01/2024	0
Alkalinity Hydroxide	mg/L	BW45B	24/01/2024	0
Alkalinity Hydroxide	mg/L	BW36A	24/01/2024	0
Alkalinity Hydroxide	mg/L	GW01	10/07/2024	0
Alkalinity Hydroxide	mg/L	GW03	10/07/2024	0
Alkalinity Hydroxide	mg/L	GW02	10/07/2024	0
Alkalinity Hydroxide	mg/L	WRK302	11/07/2024	0

Variable	Unit	Sample Point	Date	Result
Alkalinity Hydroxide	mg/L	GW06	11/07/2024	0
Alkalinity Hydroxide	mg/L	GW07	15/07/2024	0
Alkalinity Hydroxide	mg/L	IWB6	16/07/2024	0
Alkalinity Hydroxide	mg/L	IWB2	16/07/2024	0
Alkalinity Hydroxide	mg/L	BW05	16/07/2024	0
Alkalinity Hydroxide	mg/L	BW28A	17/07/2024	0
Alkalinity Hydroxide	mg/L	BW45B	18/07/2024	0
Alkalinity Hydroxide	mg/L	GW05	18/07/2024	0
Alkalinity Hydroxide	mg/L	GW04	22/07/2024	0
Alkalinity Hydroxide	mg/L	WRK300	22/07/2024	0
Alkalinity Hydroxide	mg/L	BW36A	22/07/2024	0
Alkalinity Hydroxide	mg/L	WRK301	24/07/2024	0
Alkalinity Hydroxide	mg/L	BW45B	20/08/2024	0
Alkalinity Hydroxide	mg/L	GW06	22/08/2024	0
Alkalinity Total	mg/L	GW01	16/01/2024	26
Alkalinity Total	mg/L	GW02	16/01/2024	21
Alkalinity Total	mg/L	GW03	16/01/2024	120
Alkalinity Total	mg/L	GW05	17/01/2024	42
Alkalinity Total	mg/L	GW04	17/01/2024	25
Alkalinity Total	mg/L	WRK300	17/01/2024	83
Alkalinity Total	mg/L	IWB2	18/01/2024	34
Alkalinity Total	mg/L	IWB6	18/01/2024	15
Alkalinity Total	mg/L	BW05	18/01/2024	450
Alkalinity Total	mg/L	BW28A	18/01/2024	400
Alkalinity Total	mg/L	WRK302	23/01/2024	87
Alkalinity Total	mg/L	GW06	23/01/2024	200
Alkalinity Total	mg/L	GW08	23/01/2024	170
Alkalinity Total	mg/L	GW07	23/01/2024	50
Alkalinity Total	mg/L	WRK301	24/01/2024	350
Alkalinity Total	mg/L	BW45B	24/01/2024	<2
Alkalinity Total	mg/L	BW36A	24/01/2024	130
Alkalinity Total	mg/L	GW01	10/07/2024	17
Alkalinity Total	mg/L	GW03	10/07/2024	120
Alkalinity Total	mg/L	GW02	10/07/2024	26
Alkalinity Total	mg/L	WRK302	11/07/2024	85
Alkalinity Total	mg/L	GW06	11/07/2024	220
Alkalinity Total	mg/L	GW07	15/07/2024	46
Alkalinity Total	mg/L	IWB6	16/07/2024	18
Alkalinity Total	mg/L	IWB2	16/07/2024	33
Alkalinity Total	mg/L	BW05	16/07/2024	450
Alkalinity Total	mg/L	BW28A	17/07/2024	400
Alkalinity Total	mg/L	BW45B	18/07/2024	<1
Alkalinity Total	mg/L	GW05	18/07/2024	41
Alkalinity Total	mg/L	GW04	22/07/2024	25
Alkalinity Total	mg/L	WRK300	22/07/2024	78
Alkalinity Total	mg/L	BW36A	22/07/2024	120
Alkalinity Total	mg/L	WRK301	24/07/2024	350
Alkalinity Total	mg/L	BW45B	20/08/2024	26
Alkalinity Total	mg/L	GW06	22/08/2024	230
Alkalinity Total	mg/L	GW01	16/01/2024	26
Alkalinity Total	mg/L	GW02	16/01/2024	21
Alkalinity Total	mg/L	GW03	16/01/2024	120
Alkalinity Total	mg/L	GW05	17/01/2024	42
Alkalinity Total	mg/L	GW04	17/01/2024	25
Alkalinity Total	mg/L	WRK300	17/01/2024	83
Alkalinity Total	mg/L	IWB2	18/01/2024	34
Alkalinity Total	mg/L	IWB6	18/01/2024	15
Alkalinity Total	mg/L	BW05	18/01/2024	450

Variable	Unit	Sample Point	Date	Result
Alkalinity Total	mg/L	BW28A	18/01/2024	400
Alkalinity Total	mg/L	WRK302	23/01/2024	87
Alkalinity Total	mg/L	GW06	23/01/2024	200
Alkalinity Total	mg/L	GW08	23/01/2024	170
Alkalinity Total	mg/L	GW07	23/01/2024	50
Alkalinity Total	mg/L	WRK301	24/01/2024	350
Alkalinity Total	mg/L	BW45B	24/01/2024	<2
Alkalinity Total	mg/L	BW36A	24/01/2024	130
Alkalinity Total	mg/L	GW01	10/07/2024	17
Alkalinity Total	mg/L	GW03	10/07/2024	120
Alkalinity Total	mg/L	GW02	10/07/2024	26
Alkalinity Total	mg/L	WRK302	11/07/2024	85
Alkalinity Total	mg/L	GW06	11/07/2024	220
Alkalinity Total	mg/L	GW07	15/07/2024	46
Alkalinity Total	mg/L	IWB6	16/07/2024	18
Alkalinity Total	mg/L	IWB2	16/07/2024	33
Alkalinity Total	mg/L	BW05	16/07/2024	450
Alkalinity Total	mg/L	BW28A	17/07/2024	400
Alkalinity Total	mg/L	BW45B	18/07/2024	<1
Alkalinity Total	mg/L	GW05	18/07/2024	41
Alkalinity Total	mg/L	GW04	22/07/2024	25
Alkalinity Total	mg/L	WRK300	22/07/2024	78
Alkalinity Total	mg/L	BW36A	22/07/2024	120
Alkalinity Total	mg/L	WRK301	24/07/2024	350
Alkalinity Total	mg/L	BW45B	20/08/2024	26
Alkalinity Total	mg/L	GW06	22/08/2024	230
Aluminium (Total)	mg/L	GW01	16/01/2024	0.9100
Aluminium (Total)	mg/L	GW04A	16/01/2024	0.03
Aluminium (Total)	mg/L	GW02	16/01/2024	0.02
Aluminium (Total)	mg/L	GW03	16/01/2024	0.0100
Aluminium (Total)	mg/L	WRK300	17/01/2024	0.0600
Aluminium (Total)	mg/L	GW04	17/01/2024	0.0200
Aluminium (Total)	mg/L	GW05	17/01/2024	0.0100
Aluminium (Total)	mg/L	IWB6	18/01/2024	0.3300
Aluminium (Total)	mg/L	BW05	18/01/2024	0.1700
Aluminium (Total)	mg/L	IWB2	18/01/2024	0.0700
Aluminium (Total)	mg/L	BW28A	18/01/2024	0.0300
Aluminium (Total)	mg/L	GW08	23/01/2024	<0.01
Aluminium (Total)	mg/L	GW06	23/01/2024	1.8000
Aluminium (Total)	mg/L	WRK302	23/01/2024	0.2500
Aluminium (Total)	mg/L	GW07	23/01/2024	0.0900
Aluminium (Total)	mg/L	BW36A	24/01/2024	<0.01
Aluminium (Total)	mg/L	BW45B	24/01/2024	11.0000
Aluminium (Total)	mg/L	WRK301	24/01/2024	0.3000
Aluminium (Total)	mg/L	GW01	10/07/2024	0.6800
Aluminium (Total)	mg/L	GW02	10/07/2024	0.02
Aluminium (Total)	mg/L	GW03	10/07/2024	0.0200
Aluminium (Total)	mg/L	GW04A	10/07/2024	0.02
Aluminium (Total)	mg/L	WRK302	11/07/2024	0.2900
Aluminium (Total)	mg/L	GW06	11/07/2024	0.0900
Aluminium (Total)	mg/L	GW07	15/07/2024	0.1100
Aluminium (Total)	mg/L	IWB6	16/07/2024	0.3700
Aluminium (Total)	mg/L	BW05	16/07/2024	0.0600
Aluminium (Total)	mg/L	IWB2	16/07/2024	0.0400
Aluminium (Total)	mg/L	BW28A	17/07/2024	0.01
Aluminium (Total)	mg/L	BW45B	18/07/2024	11.0000
Aluminium (Total)	mg/L	GW05	18/07/2024	0.01
Aluminium (Total)	mg/L	GW04	22/07/2024	0.0700

Variable	Unit	Sample Point	Date	Result
Aluminium (Total)	mg/L	WRK300	22/07/2024	0.0600
Aluminium (Total)	mg/L	BW36A	22/07/2024	0.02
Aluminium (Total)	mg/L	WRK301	24/07/2024	2.7000
Aluminium (Total)	mg/L	BW45B	20/08/2024	11.0000
Aluminium (Total)	mg/L	GW06	22/08/2024	0.37
Ammonia	mg/L	GW01	16/01/2024	<0.01
Ammonia	mg/L	GW02	16/01/2024	<0.01
Ammonia	mg/L	GW03	16/01/2024	<0.01
Ammonia	mg/L	GW05	17/01/2024	<0.004
Ammonia	mg/L	GW04	17/01/2024	<0.004
Ammonia	mg/L	WRK300	17/01/2024	<0.004
Ammonia	mg/L	IWB2	18/01/2024	0.011
Ammonia	mg/L	IWB6	18/01/2024	0.015
Ammonia	mg/L	BW05	18/01/2024	0.1
Ammonia	mg/L	BW28A	18/01/2024	0.083
Ammonia	mg/L	WRK302	23/01/2024	0.089
Ammonia	mg/L	GW06	23/01/2024	0.089
Ammonia	mg/L	GW08	23/01/2024	0.054
Ammonia	mg/L	GW07	23/01/2024	0.054
Ammonia	mg/L	WRK301	24/01/2024	<0.01
Ammonia	mg/L	BW45B	24/01/2024	0.13
Ammonia	mg/L	BW36A	24/01/2024	0.022
Ammonia	mg/L	GW01	10/07/2024	0.04
Ammonia	mg/L	GW03	10/07/2024	0.019
Ammonia	mg/L	GW02	10/07/2024	0.037
Ammonia	mg/L	WRK302	11/07/2024	0.2
Ammonia	mg/L	GW06	11/07/2024	0.028
Ammonia	mg/L	GW07	15/07/2024	0.064
Ammonia	mg/L	IWB6	16/07/2024	0.01
Ammonia	mg/L	IWB2	16/07/2024	0.006
Ammonia	mg/L	BW05	16/07/2024	0.087
Ammonia	mg/L	BW28A	17/07/2024	0.08
Ammonia	mg/L	BW45B	18/07/2024	0.085
Ammonia	mg/L	GW05	18/07/2024	0.009
Ammonia	mg/L	GW04	22/07/2024	0.058
Ammonia	mg/L	WRK300	22/07/2024	0.018
Ammonia	mg/L	BW36A	22/07/2024	0.027
Ammonia	mg/L	WRK301	24/07/2024	0.13
Ammonia	mg/L	BW45B	20/08/2024	0.041
Ammonia	mg/L	GW06	22/08/2024	0.032
Arsenic (Total)	mg/L	GW01	16/01/2024	0.0080
Arsenic (Total)	mg/L	GW04A	16/01/2024	0.001
Arsenic (Total)	mg/L	GW02	16/01/2024	<0.001
Arsenic (Total)	mg/L	GW03	16/01/2024	0.0020
Arsenic (Total)	mg/L	WRK300	17/01/2024	0.0020
Arsenic (Total)	mg/L	GW04	17/01/2024	0.0070
Arsenic (Total)	mg/L	GW05	17/01/2024	0.0020
Arsenic (Total)	mg/L	IWB6	18/01/2024	0.019
Arsenic (Total)	mg/L	BW05	18/01/2024	0.0090
Arsenic (Total)	mg/L	IWB2	18/01/2024	0.0020
Arsenic (Total)	mg/L	BW28A	18/01/2024	0.16
Arsenic (Total)	mg/L	GW08	23/01/2024	0.0010
Arsenic (Total)	mg/L	GW06	23/01/2024	0.0160
Arsenic (Total)	mg/L	WRK302	23/01/2024	0.0020
Arsenic (Total)	mg/L	GW07	23/01/2024	0.0020
Arsenic (Total)	mg/L	BW36A	24/01/2024	0.023
Arsenic (Total)	mg/L	BW45B	24/01/2024	<0.01
Arsenic (Total)	mg/L	WRK301	24/01/2024	0.0110

Variable	Unit	Sample Point	Date	Result
Arsenic (Total)	mg/L	GW01	10/07/2024	0.0050
Arsenic (Total)	mg/L	GW02	10/07/2024	<0.001
Arsenic (Total)	mg/L	GW03	10/07/2024	0.0020
Arsenic (Total)	mg/L	GW04A	10/07/2024	0.001
Arsenic (Total)	mg/L	WRK302	11/07/2024	0.0020
Arsenic (Total)	mg/L	GW06	11/07/2024	0.0050
Arsenic (Total)	mg/L	GW07	15/07/2024	0.0030
Arsenic (Total)	mg/L	IWB6	16/07/2024	0.024
Arsenic (Total)	mg/L	BW05	16/07/2024	0.0080
Arsenic (Total)	mg/L	IWB2	16/07/2024	0.0020
Arsenic (Total)	mg/L	BW28A	17/07/2024	0.15
Arsenic (Total)	mg/L	BW45B	18/07/2024	0.0060
Arsenic (Total)	mg/L	GW05	18/07/2024	0.0020
Arsenic (Total)	mg/L	GW04	22/07/2024	0.0060
Arsenic (Total)	mg/L	WRK300	22/07/2024	0.0030
Arsenic (Total)	mg/L	BW36A	22/07/2024	0.007
Arsenic (Total)	mg/L	WRK301	24/07/2024	0.0090
Arsenic (Total)	mg/L	BW45B	20/08/2024	0.0060
Arsenic (Total)	mg/L	GW06	22/08/2024	0.01
Barium Ba	mg/L	GW01	16/01/2024	0.048
Barium Ba	mg/L	GW02	16/01/2024	0.022
Barium Ba	mg/L	GW03	16/01/2024	0.003
Barium Ba	mg/L	GW05	17/01/2024	0.009
Barium Ba	mg/L	GW04	17/01/2024	0.015
Barium Ba	mg/L	WRK300	17/01/2024	0.013
Barium Ba	mg/L	IWB2	18/01/2024	0.002
Barium Ba	mg/L	IWB6	18/01/2024	0.024
Barium Ba	mg/L	BW05	18/01/2024	0.036
Barium Ba	mg/L	BW28A	18/01/2024	0.044
Barium Ba	mg/L	WRK302	23/01/2024	0.024
Barium Ba	mg/L	GW06	23/01/2024	0.027
Barium Ba	mg/L	GW08	23/01/2024	0.006
Barium Ba	mg/L	GW07	23/01/2024	0.026
Barium Ba	mg/L	WRK301	24/01/2024	0.01
Barium Ba	mg/L	BW45B	24/01/2024	0.02
Barium Ba	mg/L	BW36A	24/01/2024	0.15
Barium Ba	mg/L	GW01	10/07/2024	0.028
Barium Ba	mg/L	GW03	10/07/2024	0.004
Barium Ba	mg/L	GW02	10/07/2024	0.018
Barium Ba	mg/L	WRK302	11/07/2024	0.018
Barium Ba	mg/L	GW06	11/07/2024	0.023
Barium Ba	mg/L	GW07	15/07/2024	0.022
Barium Ba	mg/L	IWB6	16/07/2024	0.022
Barium Ba	mg/L	IWB2	16/07/2024	0.003
Barium Ba	mg/L	BW05	16/07/2024	0.03
Barium Ba	mg/L	BW28A	17/07/2024	0.039
Barium Ba	mg/L	BW45B	18/07/2024	0.012
Barium Ba	mg/L	GW05	18/07/2024	0.008
Barium Ba	mg/L	GW04	22/07/2024	0.018
Barium Ba	mg/L	WRK300	22/07/2024	0.012
Barium Ba	mg/L	BW36A	22/07/2024	0.12
Barium Ba	mg/L	WRK301	24/07/2024	0.013
Barium Ba	mg/L	BW45B	20/08/2024	0.011
Barium Ba	mg/L	GW06	22/08/2024	0.023
Barium Ba	mg/L	GW01	16/01/2024	0.048
Barium Ba	mg/L	GW02	16/01/2024	0.022
Barium Ba	mg/L	GW03	16/01/2024	0.003
Barium Ba	mg/L	GW05	17/01/2024	0.009

Variable	Unit	Sample Point	Date	Result
Barium Ba	mg/L	GW04	17/01/2024	0.015
Barium Ba	mg/L	WRK300	17/01/2024	0.013
Barium Ba	mg/L	IWB2	18/01/2024	0.002
Barium Ba	mg/L	IWB6	18/01/2024	0.024
Barium Ba	mg/L	BW05	18/01/2024	0.036
Barium Ba	mg/L	BW28A	18/01/2024	0.044
Barium Ba	mg/L	WRK302	23/01/2024	0.024
Barium Ba	mg/L	GW06	23/01/2024	0.027
Barium Ba	mg/L	GW08	23/01/2024	0.006
Barium Ba	mg/L	GW07	23/01/2024	0.026
Barium Ba	mg/L	WRK301	24/01/2024	0.01
Barium Ba	mg/L	BW45B	24/01/2024	0.02
Barium Ba	mg/L	BW36A	24/01/2024	0.15
Barium Ba	mg/L	GW01	10/07/2024	0.028
Barium Ba	mg/L	GW03	10/07/2024	0.004
Barium Ba	mg/L	GW02	10/07/2024	0.018
Barium Ba	mg/L	WRK302	11/07/2024	0.018
Barium Ba	mg/L	GW06	11/07/2024	0.023
Barium Ba	mg/L	GW07	15/07/2024	0.022
Barium Ba	mg/L	IWB6	16/07/2024	0.022
Barium Ba	mg/L	IWB2	16/07/2024	0.003
Barium Ba	mg/L	BW05	16/07/2024	0.03
Barium Ba	mg/L	BW28A	17/07/2024	0.039
Barium Ba	mg/L	BW45B	18/07/2024	0.012
Barium Ba	mg/L	GW05	18/07/2024	0.008
Barium Ba	mg/L	GW04	22/07/2024	0.018
Barium Ba	mg/L	WRK300	22/07/2024	0.012
Barium Ba	mg/L	BW36A	22/07/2024	0.12
Barium Ba	mg/L	WRK301	24/07/2024	0.013
Barium Ba	mg/L	BW45B	20/08/2024	0.011
Barium Ba	mg/L	GW06	22/08/2024	0.023
Bi Carbonate Alkalinity CaCO3	mg/L	GW01	16/01/2024	26
Bi Carbonate Alkalinity CaCO3	mg/L	GW02	16/01/2024	21
Bi Carbonate Alkalinity CaCO3	mg/L	GW03	16/01/2024	120
Bi Carbonate Alkalinity CaCO3	mg/L	GW05	17/01/2024	42
Bi Carbonate Alkalinity CaCO3	mg/L	GW04	17/01/2024	25
Bi Carbonate Alkalinity CaCO3	mg/L	WRK300	17/01/2024	83
Bi Carbonate Alkalinity CaCO3	mg/L	IWB2	18/01/2024	34
Bi Carbonate Alkalinity CaCO3	mg/L	IWB6	18/01/2024	15
Bi Carbonate Alkalinity CaCO3	mg/L	BW05	18/01/2024	450
Bi Carbonate Alkalinity CaCO3	mg/L	BW28A	18/01/2024	400
Bi Carbonate Alkalinity CaCO3	mg/L	WRK302	23/01/2024	87
Bi Carbonate Alkalinity CaCO3	mg/L	GW06	23/01/2024	200
Bi Carbonate Alkalinity CaCO3	mg/L	GW08	23/01/2024	170
Bi Carbonate Alkalinity CaCO3	mg/L	GW07	23/01/2024	50
Bi Carbonate Alkalinity CaCO3	mg/L	WRK301	24/01/2024	350
Bi Carbonate Alkalinity CaCO3	mg/L	BW45B	24/01/2024	<2
Bi Carbonate Alkalinity CaCO3	mg/L	BW36A	24/01/2024	130
Bi Carbonate Alkalinity CaCO3	mg/L	GW01	10/07/2024	17
Bi Carbonate Alkalinity CaCO3	mg/L	GW03	10/07/2024	120
Bi Carbonate Alkalinity CaCO3	mg/L	GW02	10/07/2024	26
Bi Carbonate Alkalinity CaCO3	mg/L	WRK302	11/07/2024	85
Bi Carbonate Alkalinity CaCO3	mg/L	GW06	11/07/2024	220
Bi Carbonate Alkalinity CaCO3	mg/L	GW07	15/07/2024	46
Bi Carbonate Alkalinity CaCO3	mg/L	IWB6	16/07/2024	18
Bi Carbonate Alkalinity CaCO3	mg/L	IWB2	16/07/2024	33
Bi Carbonate Alkalinity CaCO3	mg/L	BW05	16/07/2024	450
Bi Carbonate Alkalinity CaCO3	mg/L	BW28A	17/07/2024	400

Variable	Unit	Sample Point	Date	Result
Bi Carbonate Alkalinity CaCO3	mg/L	BW45B	18/07/2024	<1
Bi Carbonate Alkalinity CaCO3	mg/L	GW05	18/07/2024	41
Bi Carbonate Alkalinity CaCO3	mg/L	GW04	22/07/2024	25
Bi Carbonate Alkalinity CaCO3	mg/L	WRK300	22/07/2024	78
Bi Carbonate Alkalinity CaCO3	mg/L	BW36A	22/07/2024	120
Bi Carbonate Alkalinity CaCO3	mg/L	WRK301	24/07/2024	350
Bi Carbonate Alkalinity CaCO3	mg/L	BW45B	20/08/2024	26
Bi Carbonate Alkalinity CaCO3	mg/L	GW06	22/08/2024	230
Boron (Total)	mg/L	GW01	16/01/2024	0.1100
Boron (Total)	mg/L	GW04A	16/01/2024	0.43
Boron (Total)	mg/L	GW02	16/01/2024	0.08
Boron (Total)	mg/L	GW03	16/01/2024	0.3300
Boron (Total)	mg/L	WRK300	17/01/2024	0.1500
Boron (Total)	mg/L	GW04	17/01/2024	0.6200
Boron (Total)	mg/L	GW05	17/01/2024	1.1000
Boron (Total)	mg/L	IWB6	18/01/2024	0.0500
Boron (Total)	mg/L	BW05	18/01/2024	1.5000
Boron (Total)	mg/L	IWB2	18/01/2024	0.0700
Boron (Total)	mg/L	BW28A	18/01/2024	0.87
Boron (Total)	mg/L	GW08	23/01/2024	1.3000
Boron (Total)	mg/L	GW06	23/01/2024	2.1000
Boron (Total)	mg/L	WRK302	23/01/2024	1.5000
Boron (Total)	mg/L	GW07	23/01/2024	1.5000
Boron (Total)	mg/L	BW36A	24/01/2024	0.12
Boron (Total)	mg/L	BW45B	24/01/2024	0.9000
Boron (Total)	mg/L	WRK301	24/01/2024	0.6500
Boron (Total)	mg/L	GW01	10/07/2024	0.0600
Boron (Total)	mg/L	GW02	10/07/2024	0.07
Boron (Total)	mg/L	GW03	10/07/2024	0.2100
Boron (Total)	mg/L	GW04A	10/07/2024	0.16
Boron (Total)	mg/L	WRK302	11/07/2024	1.6000
Boron (Total)	mg/L	GW06	11/07/2024	1.8000
Boron (Total)	mg/L	GW07	15/07/2024	1.9000
Boron (Total)	mg/L	IWB6	16/07/2024	0.0500
Boron (Total)	mg/L	BW05	16/07/2024	1.5000
Boron (Total)	mg/L	IWB2	16/07/2024	0.0800
Boron (Total)	mg/L	BW28A	17/07/2024	0.88
Boron (Total)	mg/L	BW45B	18/07/2024	1.1000
Boron (Total)	mg/L	GW05	18/07/2024	1.1000
Boron (Total)	mg/L	GW04	22/07/2024	0.5200
Boron (Total)	mg/L	WRK300	22/07/2024	0.1600
Boron (Total)	mg/L	BW36A	22/07/2024	0.1
Boron (Total)	mg/L	WRK301	24/07/2024	0.5900
Boron (Total)	mg/L	BW45B	20/08/2024	1.1000
Boron (Total)	mg/L	GW06	22/08/2024	2
Cadmium (Total)	mg/L	GW01	16/01/2024	<0.0002
Cadmium (Total)	mg/L	GW04A	16/01/2024	<0.0002
Cadmium (Total)	mg/L	GW02	16/01/2024	<0.0002
Cadmium (Total)	mg/L	GW03	16/01/2024	<0.0002
Cadmium (Total)	mg/L	WRK300	17/01/2024	<0.0002
Cadmium (Total)	mg/L	GW04	17/01/2024	<0.0002
Cadmium (Total)	mg/L	GW05	17/01/2024	<0.0002
Cadmium (Total)	mg/L	IWB6	18/01/2024	<0.0002
Cadmium (Total)	mg/L	BW05	18/01/2024	<0.0002
Cadmium (Total)	mg/L	IWB2	18/01/2024	<0.0002
Cadmium (Total)	mg/L	BW28A	18/01/2024	<0.0002
Cadmium (Total)	mg/L	GW08	23/01/2024	0.0002
Cadmium (Total)	mg/L	GW06	23/01/2024	<0.0002

Variable	Unit	Sample Point	Date	Result
Cadmium (Total)	mg/L	WRK302	23/01/2024	<0.0002
Cadmium (Total)	mg/L	GW07	23/01/2024	<0.0002
Cadmium (Total)	mg/L	BW36A	24/01/2024	<0.0002
Cadmium (Total)	mg/L	BW45B	24/01/2024	<0.002
Cadmium (Total)	mg/L	WRK301	24/01/2024	<0.0002
Cadmium (Total)	mg/L	GW01	10/07/2024	<0.0002
Cadmium (Total)	mg/L	GW02	10/07/2024	<0.0002
Cadmium (Total)	mg/L	GW03	10/07/2024	<0.0002
Cadmium (Total)	mg/L	GW04A	10/07/2024	<0.0002
Cadmium (Total)	mg/L	WRK302	11/07/2024	<0.0002
Cadmium (Total)	mg/L	GW06	11/07/2024	<0.0002
Cadmium (Total)	mg/L	GW07	15/07/2024	<0.0002
Cadmium (Total)	mg/L	IWB6	16/07/2024	<0.0002
Cadmium (Total)	mg/L	BW05	16/07/2024	<0.0002
Cadmium (Total)	mg/L	IWB2	16/07/2024	<0.0002
Cadmium (Total)	mg/L	BW28A	17/07/2024	<0.0002
Cadmium (Total)	mg/L	BW45B	18/07/2024	<0.0002
Cadmium (Total)	mg/L	GW05	18/07/2024	<0.0002
Cadmium (Total)	mg/L	GW04	22/07/2024	<0.0002
Cadmium (Total)	mg/L	WRK300	22/07/2024	<0.0002
Cadmium (Total)	mg/L	BW36A	22/07/2024	<0.0002
Cadmium (Total)	mg/L	WRK301	24/07/2024	<0.0002
Cadmium (Total)	mg/L	BW45B	20/08/2024	<0.0002
Cadmium (Total)	mg/L	GW06	22/08/2024	<0.0002
Calcium	mg/L	GW01	16/01/2024	77.00
Calcium	mg/L	GW02	16/01/2024	6.80
Calcium	mg/L	GW03	16/01/2024	170.00
Calcium	mg/L	GW04A	16/01/2024	94
Calcium	mg/L	GW04	17/01/2024	90.00
Calcium	mg/L	GW05	17/01/2024	83.00
Calcium	mg/L	WRK300	17/01/2024	100.00
Calcium	mg/L	BW05	18/01/2024	310.00
Calcium	mg/L	BW28A	18/01/2024	490
Calcium	mg/L	IWB2	18/01/2024	6.80
Calcium	mg/L	IWB6	18/01/2024	5.60
Calcium	mg/L	GW06	23/01/2024	600.00
Calcium	mg/L	GW07	23/01/2024	360.0000
Calcium	mg/L	GW08	23/01/2024	530.00
Calcium	mg/L	WRK302	23/01/2024	430.00
Calcium	mg/L	BW36A	24/01/2024	110
Calcium	mg/L	BW45B	24/01/2024	330
Calcium	mg/L	WRK301	24/01/2024	260.00
Calcium	mg/L	GW02	1/02/2024	17.00
Calcium	mg/L	GW03	1/02/2024	160.00
Calcium	mg/L	GW01	20/02/2024	71.00
Calcium	mg/L	GW04A	20/02/2024	87
Calcium	mg/L	GW01	19/03/2024	90.00
Calcium	mg/L	GW02	19/03/2024	13.00
Calcium	mg/L	GW03	19/03/2024	160.00
Calcium	mg/L	GW04A	19/03/2024	70
Calcium	mg/L	GW01	16/04/2024	82.00
Calcium	mg/L	GW02	16/04/2024	16.00
Calcium	mg/L	GW03	16/04/2024	170.00
Calcium	mg/L	GW04A	16/04/2024	100
Calcium	mg/L	GW01	21/05/2024	84.00
Calcium	mg/L	GW02	21/05/2024	15.00
Calcium	mg/L	GW03	21/05/2024	170.00
Calcium	mg/L	GW04A	21/05/2024	73

Variable	Unit	Sample Point	Date	Result
Calcium	mg/L	GW01	19/06/2024	81.00
Calcium	mg/L	GW02	19/06/2024	13.00
Calcium	mg/L	GW03	19/06/2024	180.00
Calcium	mg/L	GW04A	19/06/2024	95
Calcium	mg/L	GW01	10/07/2024	76.00
Calcium	mg/L	GW02	10/07/2024	13.00
Calcium	mg/L	GW03	10/07/2024	160.00
Calcium	mg/L	GW04A	10/07/2024	66
Calcium	mg/L	GW06	11/07/2024	530.00
Calcium	mg/L	WRK302	11/07/2024	400.00
Calcium	mg/L	GW07	15/07/2024	360.0000
Calcium	mg/L	BW05	16/07/2024	260.00
Calcium	mg/L	IWB2	16/07/2024	6.80
Calcium	mg/L	IWB6	16/07/2024	5.60
Calcium	mg/L	BW28A	17/07/2024	490
Calcium	mg/L	GW05	18/07/2024	85.00
Calcium	mg/L	BW45B	18/07/2024	300
Calcium	mg/L	GW04	22/07/2024	100.00
Calcium	mg/L	BW36A	22/07/2024	88
Calcium	mg/L	WRK300	22/07/2024	99.00
Calcium	mg/L	WRK301	24/07/2024	250.00
Calcium	mg/L	GW01	20/08/2024	260.00
Calcium	mg/L	BW45B	20/08/2024	98
Calcium	mg/L	GW02	21/08/2024	9.70
Calcium	mg/L	GW03	21/08/2024	170.00
Calcium	mg/L	GW04A	21/08/2024	89
Calcium	mg/L	GW06	22/08/2024	590
Calcium	mg/L	GW01	17/09/2024	92.00
Calcium	mg/L	GW02	17/09/2024	13.00
Calcium	mg/L	GW03	17/09/2024	170.00
Calcium	mg/L	GW04A	17/09/2024	87
Calcium	mg/L	GW04A	2/10/2024	71
Calcium	mg/L	GW01	3/10/2024	84.00
Calcium	mg/L	GW02	3/10/2024	12.00
Calcium	mg/L	GW03	3/10/2024	170.00
Calcium	mg/L	GW01	19/11/2024	91.00
Calcium	mg/L	GW02	19/11/2024	8.90
Calcium	mg/L	GW03	19/11/2024	150.00
Calcium	mg/L	GW04A	19/11/2024	91
Calcium	mg/L	GW01	10/12/2024	98.00
Calcium	mg/L	GW02	10/12/2024	12.00
Calcium	mg/L	GW03	10/12/2024	190.00
Calcium	mg/L	GW04A	10/12/2024	93
Chloride	mg/L	GW01	16/01/2024	3400.00
Chloride	mg/L	GW02	16/01/2024	1400.00
Chloride	mg/L	GW03	16/01/2024	3300.00
Chloride	mg/L	GW04A	16/01/2024	2300
Chloride	mg/L	GW04	17/01/2024	2300.00
Chloride	mg/L	GW05	17/01/2024	2700.00
Chloride	mg/L	WRK300	17/01/2024	1600.00
Chloride	mg/L	BW05	18/01/2024	9000.00
Chloride	mg/L	BW28A	18/01/2024	7000.00
Chloride	mg/L	IWB2	18/01/2024	1000.00
Chloride	mg/L	IWB6	18/01/2024	340.00
Chloride	mg/L	GW06	23/01/2024	6500.00
Chloride	mg/L	GW07	23/01/2024	5800.00
Chloride	mg/L	GW08	23/01/2024	6800.00
Chloride	mg/L	WRK302	23/01/2024	6200.00

Variable	Unit	Sample Point	Date	Result
Chloride	mg/L	BW36A	24/01/2024	2800
Chloride	mg/L	WRK301	24/01/2024	3200.00
Chloride	mg/L	GW02	1/02/2024	1700.00
Chloride	mg/L	GW03	1/02/2024	3300.00
Chloride	mg/L	GW01	20/02/2024	3300.00
Chloride	mg/L	GW04A	20/02/2024	2100
Chloride	mg/L	GW01	19/03/2024	3400.00
Chloride	mg/L	GW02	19/03/2024	1600.00
Chloride	mg/L	GW03	19/03/2024	3300.00
Chloride	mg/L	GW04A	19/03/2024	1500
Chloride	mg/L	GW01	16/04/2024	3300.00
Chloride	mg/L	GW02	16/04/2024	1600.00
Chloride	mg/L	GW03	16/04/2024	3200.00
Chloride	mg/L	GW04A	16/04/2024	2200
Chloride	mg/L	GW01	21/05/2024	3500.00
Chloride	mg/L	GW02	21/05/2024	1700.00
Chloride	mg/L	GW03	21/05/2024	3500.00
Chloride	mg/L	GW04A	21/05/2024	1900
Chloride	mg/L	GW01	19/06/2024	3200.00
Chloride	mg/L	GW02	19/06/2024	1600.00
Chloride	mg/L	GW03	19/06/2024	3200.00
Chloride	mg/L	GW04A	19/06/2024	2000
Chloride	mg/L	GW01	10/07/2024	3300.00
Chloride	mg/L	GW02	10/07/2024	1600.00
Chloride	mg/L	GW03	10/07/2024	3300.00
Chloride	mg/L	GW04A	10/07/2024	1700
Chloride	mg/L	GW06	11/07/2024	6500.00
Chloride	mg/L	WRK302	11/07/2024	6100.00
Chloride	mg/L	GW07	15/07/2024	5600.00
Chloride	mg/L	BW05	16/07/2024	8400.00
Chloride	mg/L	IWB2	16/07/2024	1000.00
Chloride	mg/L	IWB6	16/07/2024	340.00
Chloride	mg/L	BW28A	17/07/2024	7100
Chloride	mg/L	GW05	18/07/2024	2900.00
Chloride	mg/L	GW04	22/07/2024	2300.00
Chloride	mg/L	BW36A	22/07/2024	3000
Chloride	mg/L	WRK300	22/07/2024	1600.00
Chloride	mg/L	WRK301	24/07/2024	3100.00
Chloride	mg/L	GW01	20/08/2024	5600.00
Chloride	mg/L	GW02	21/08/2024	1400.00
Chloride	mg/L	GW03	21/08/2024	3400.00
Chloride	mg/L	GW04A	21/08/2024	2000
Chloride	mg/L	GW06	22/08/2024	6500
Chloride	mg/L	GW01	17/09/2024	3400.00
Chloride	mg/L	GW02	17/09/2024	1500.00
Chloride	mg/L	GW03	17/09/2024	3300.00
Chloride	mg/L	GW04A	17/09/2024	2000
Chloride	mg/L	GW04A	2/10/2024	1600
Chloride	mg/L	GW01	3/10/2024	3400.00
Chloride	mg/L	GW02	3/10/2024	1500.00
Chloride	mg/L	GW03	3/10/2024	3300.00
Chloride	mg/L	GW01	19/11/2024	3400.00
Chloride	mg/L	GW02	19/11/2024	1400.00
Chloride	mg/L	GW03	19/11/2024	3100.00
Chloride	mg/L	GW04A	19/11/2024	2300
Chloride	mg/L	GW01	10/12/2024	3400.00
Chloride	mg/L	GW02	10/12/2024	1500.00
Chloride	mg/L	GW03	10/12/2024	3300.00

Variable	Unit	Sample Point	Date	Result
Chloride	mg/L	GW04A	10/12/2024	2300
Chloride:Sulfate Ratio		GW01	16/01/2024	8.50
Chloride:Sulfate Ratio		GW02	16/01/2024	10.77
Chloride:Sulfate Ratio		GW03	16/01/2024	7.33
Chloride:Sulfate Ratio		GW04A	16/01/2024	6.05
Chloride:Sulfate Ratio		GW04	17/01/2024	3.59
Chloride:Sulfate Ratio		GW05	17/01/2024	5.40
Chloride:Sulfate Ratio		WRK300	17/01/2024	5.00
Chloride:Sulfate Ratio		BW05	18/01/2024	10.71
Chloride:Sulfate Ratio		BW28A	18/01/2024	8.64
Chloride:Sulfate Ratio		IWB2	18/01/2024	7.69
Chloride:Sulfate Ratio		IWB6	18/01/2024	1.89
Chloride:Sulfate Ratio		GW06	23/01/2024	5.00
Chloride:Sulfate Ratio		GW07	23/01/2024	6.67
Chloride:Sulfate Ratio		GW08	23/01/2024	6.18
Chloride:Sulfate Ratio		WRK302	23/01/2024	5.17
Chloride:Sulfate Ratio		BW36A	24/01/2024	7.57
Chloride:Sulfate Ratio		BW45B	24/01/2024	2900
Chloride:Sulfate Ratio		WRK301	24/01/2024	6.67
Chloride:Sulfate Ratio		GW02	1/02/2024	6.30
Chloride:Sulfate Ratio		GW03	1/02/2024	7.17
Chloride:Sulfate Ratio		GW01	20/02/2024	6.88
Chloride:Sulfate Ratio		GW04A	20/02/2024	5.25
Chloride:Sulfate Ratio		GW01	19/03/2024	8.10
Chloride:Sulfate Ratio		GW02	19/03/2024	10.00
Chloride:Sulfate Ratio		GW03	19/03/2024	7.02
Chloride:Sulfate Ratio		GW04A	19/03/2024	13.64
Chloride:Sulfate Ratio		GW01	16/04/2024	8.05
Chloride:Sulfate Ratio		GW02	16/04/2024	7.62
Chloride:Sulfate Ratio		GW03	16/04/2024	6.81
Chloride:Sulfate Ratio		GW04A	16/04/2024	7.33
Chloride:Sulfate Ratio		GW01	21/05/2024	8.33
Chloride:Sulfate Ratio		GW02	21/05/2024	8.10
Chloride:Sulfate Ratio		GW03	21/05/2024	6.88
Chloride:Sulfate Ratio		GW04A	21/05/2024	8.26
Chloride:Sulfate Ratio		GW01	19/06/2024	7.62
Chloride:Sulfate Ratio		GW02	19/06/2024	8.00
Chloride:Sulfate Ratio		GW03	19/06/2024	6.81
Chloride:Sulfate Ratio		GW04A	19/06/2024	8
Chloride:Sulfate Ratio		GW01	10/07/2024	7.67
Chloride:Sulfate Ratio		GW02	10/07/2024	8.00
Chloride:Sulfate Ratio		GW03	10/07/2024	6.73
Chloride:Sulfate Ratio		GW04A	10/07/2024	10
Chloride:Sulfate Ratio		GW06	11/07/2024	4.33
Chloride:Sulfate Ratio		WRK302	11/07/2024	4.69
Chloride:Sulfate Ratio		GW07	15/07/2024	6.15
Chloride:Sulfate Ratio		BW05	16/07/2024	10.50
Chloride:Sulfate Ratio		IWB2	16/07/2024	7.69
Chloride:Sulfate Ratio		IWB6	16/07/2024	1.89
Chloride:Sulfate Ratio		BW28A	17/07/2024	8.26
Chloride:Sulfate Ratio		GW05	18/07/2024	5.47
Chloride:Sulfate Ratio		BW45B	18/07/2024	3000
Chloride:Sulfate Ratio		GW04	22/07/2024	3.71
Chloride:Sulfate Ratio		BW36A	22/07/2024	7.89
Chloride:Sulfate Ratio		WRK300	22/07/2024	4.21
Chloride:Sulfate Ratio		WRK301	24/07/2024	6.20
Chloride:Sulfate Ratio		GW01	20/08/2024	6.36
Chloride:Sulfate Ratio		BW45B	20/08/2024	2000

Variable	Unit	Sample Point	Date	Result
Chloride:Sulfate Ratio		GW02	21/08/2024	10.00
Chloride:Sulfate Ratio		GW03	21/08/2024	7.23
Chloride:Sulfate Ratio		GW04A	21/08/2024	8
Chloride:Sulfate Ratio		GW06	22/08/2024	4.33
Chloride:Sulfate Ratio		GW01	17/09/2024	8.29
Chloride:Sulfate Ratio		GW02	17/09/2024	7.50
Chloride:Sulfate Ratio		GW03	17/09/2024	7.50
Chloride:Sulfate Ratio		GW04A	17/09/2024	8.33
Chloride:Sulfate Ratio		GW04A	2/10/2024	10.67
Chloride:Sulfate Ratio		GW01	3/10/2024	7.08
Chloride:Sulfate Ratio		GW02	3/10/2024	8.82
Chloride:Sulfate Ratio		GW03	3/10/2024	6.35
Chloride:Sulfate Ratio		GW01	19/11/2024	7.56
Chloride:Sulfate Ratio		GW02	19/11/2024	9.33
Chloride:Sulfate Ratio		GW03	19/11/2024	6.33
Chloride:Sulfate Ratio		GW04A	19/11/2024	7.19
Chloride:Sulfate Ratio		GW01	10/12/2024	7.56
Chloride:Sulfate Ratio		GW02	10/12/2024	7.89
Chloride:Sulfate Ratio		GW03	10/12/2024	6.88
Chloride:Sulfate Ratio		GW04A	10/12/2024	5.75
Chromium (Total)	mg/L	GW01	16/01/2024	0.0090
Chromium (Total)	mg/L	GW04A	16/01/2024	<0.001
Chromium (Total)	mg/L	GW02	16/01/2024	<0.001
Chromium (Total)	mg/L	GW03	16/01/2024	<0.001
Chromium (Total)	mg/L	WRK300	17/01/2024	0.0020
Chromium (Total)	mg/L	GW04	17/01/2024	0.0060
Chromium (Total)	mg/L	GW05	17/01/2024	0.0030
Chromium (Total)	mg/L	IWB6	18/01/2024	0.0080
Chromium (Total)	mg/L	BW05	18/01/2024	<0.001
Chromium (Total)	mg/L	IWB2	18/01/2024	<0.002
Chromium (Total)	mg/L	BW28A	18/01/2024	<0.001
Chromium (Total)	mg/L	GW08	23/01/2024	<0.001
Chromium (Total)	mg/L	GW06	23/01/2024	<0.001
Chromium (Total)	mg/L	WRK302	23/01/2024	<0.001
Chromium (Total)	mg/L	GW07	23/01/2024	<0.001
Chromium (Total)	mg/L	BW36A	24/01/2024	<0.001
Chromium (Total)	mg/L	BW45B	24/01/2024	<0.01
Chromium (Total)	mg/L	WRK301	24/01/2024	<0.001
Chromium (Total)	mg/L	GW01	10/07/2024	0.0010
Chromium (Total)	mg/L	GW02	10/07/2024	<0.001
Chromium (Total)	mg/L	GW03	10/07/2024	<0.001
Chromium (Total)	mg/L	GW04A	10/07/2024	<0.001
Chromium (Total)	mg/L	WRK302	11/07/2024	<0.001
Chromium (Total)	mg/L	GW06	11/07/2024	0.0030
Chromium (Total)	mg/L	GW07	15/07/2024	0.0090
Chromium (Total)	mg/L	IWB6	16/07/2024	0.0050
Chromium (Total)	mg/L	BW05	16/07/2024	<0.001
Chromium (Total)	mg/L	IWB2	16/07/2024	<0.001
Chromium (Total)	mg/L	BW28A	17/07/2024	<0.001
Chromium (Total)	mg/L	BW45B	18/07/2024	0.0020
Chromium (Total)	mg/L	GW05	18/07/2024	0.0060
Chromium (Total)	mg/L	GW04	22/07/2024	0.0050
Chromium (Total)	mg/L	WRK300	22/07/2024	<0.001
Chromium (Total)	mg/L	BW36A	22/07/2024	<0.001
Chromium (Total)	mg/L	WRK301	24/07/2024	0.0040
Chromium (Total)	mg/L	BW45B	20/08/2024	<0.001
Chromium (Total)	mg/L	GW06	22/08/2024	0.004
Cobalt (Total)	mg/L	GW01	16/01/2024	0.0440

Variable	Unit	Sample Point	Date	Result
Cobalt (Total)	mg/L	GW04A	16/01/2024	0.004
Cobalt (Total)	mg/L	GW02	16/01/2024	0.008
Cobalt (Total)	mg/L	GW03	16/01/2024	<0.001
Cobalt (Total)	mg/L	WRK300	17/01/2024	<0.001
Cobalt (Total)	mg/L	GW04	17/01/2024	0.0110
Cobalt (Total)	mg/L	GW05	17/01/2024	0.0020
Cobalt (Total)	mg/L	IWB6	18/01/2024	0.0020
Cobalt (Total)	mg/L	BW05	18/01/2024	<0.001
Cobalt (Total)	mg/L	IWB2	18/01/2024	0.0030
Cobalt (Total)	mg/L	BW28A	18/01/2024	0.016
Cobalt (Total)	mg/L	GW08	23/01/2024	<0.001
Cobalt (Total)	mg/L	GW06	23/01/2024	0.0060
Cobalt (Total)	mg/L	WRK302	23/01/2024	0.0280
Cobalt (Total)	mg/L	GW07	23/01/2024	0.0450
Cobalt (Total)	mg/L	BW36A	24/01/2024	0.006
Cobalt (Total)	mg/L	BW45B	24/01/2024	0.0300
Cobalt (Total)	mg/L	WRK301	24/01/2024	<0.001
Cobalt (Total)	mg/L	GW01	10/07/2024	0.0270
Cobalt (Total)	mg/L	GW02	10/07/2024	0.008
Cobalt (Total)	mg/L	GW03	10/07/2024	0.0020
Cobalt (Total)	mg/L	GW04A	10/07/2024	0.002
Cobalt (Total)	mg/L	WRK302	11/07/2024	0.0270
Cobalt (Total)	mg/L	GW06	11/07/2024	0.0080
Cobalt (Total)	mg/L	GW07	15/07/2024	0.0510
Cobalt (Total)	mg/L	IWB6	16/07/2024	0.0020
Cobalt (Total)	mg/L	BW05	16/07/2024	<0.001
Cobalt (Total)	mg/L	IWB2	16/07/2024	0.0020
Cobalt (Total)	mg/L	BW28A	17/07/2024	0.015
Cobalt (Total)	mg/L	BW45B	18/07/2024	0.0290
Cobalt (Total)	mg/L	GW05	18/07/2024	0.0020
Cobalt (Total)	mg/L	GW04	22/07/2024	0.0110
Cobalt (Total)	mg/L	WRK300	22/07/2024	<0.001
Cobalt (Total)	mg/L	BW36A	22/07/2024	0.007
Cobalt (Total)	mg/L	WRK301	24/07/2024	0.0040
Cobalt (Total)	mg/L	BW45B	20/08/2024	0.0320
Cobalt (Total)	mg/L	GW06	22/08/2024	0.003
Copper (Total)	mg/L	GW01	16/01/2024	0.0100
Copper (Total)	mg/L	GW04A	16/01/2024	0.005
Copper (Total)	mg/L	GW02	16/01/2024	0.003
Copper (Total)	mg/L	GW03	16/01/2024	0.0040
Copper (Total)	mg/L	WRK300	17/01/2024	0.0060
Copper (Total)	mg/L	GW04	17/01/2024	0.0040
Copper (Total)	mg/L	GW05	17/01/2024	0.0100
Copper (Total)	mg/L	IWB6	18/01/2024	0.0010
Copper (Total)	mg/L	BW05	18/01/2024	<0.001
Copper (Total)	mg/L	IWB2	18/01/2024	0.0020
Copper (Total)	mg/L	BW28A	18/01/2024	<0.001
Copper (Total)	mg/L	GW08	23/01/2024	<0.001
Copper (Total)	mg/L	GW06	23/01/2024	0.0020
Copper (Total)	mg/L	WRK302	23/01/2024	<0.001
Copper (Total)	mg/L	GW07	23/01/2024	<0.001
Copper (Total)	mg/L	BW36A	24/01/2024	<0.001
Copper (Total)	mg/L	BW45B	24/01/2024	0.0100
Copper (Total)	mg/L	WRK301	24/01/2024	0.0040
Copper (Total)	mg/L	GW01	10/07/2024	0.0440
Copper (Total)	mg/L	GW02	10/07/2024	0.008
Copper (Total)	mg/L	GW03	10/07/2024	0.0030
Copper (Total)	mg/L	GW04A	10/07/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Copper (Total)	mg/L	WRK302	11/07/2024	0.0020
Copper (Total)	mg/L	GW06	11/07/2024	<0.001
Copper (Total)	mg/L	GW07	15/07/2024	0.0020
Copper (Total)	mg/L	IWB6	16/07/2024	0.0030
Copper (Total)	mg/L	BW05	16/07/2024	<0.001
Copper (Total)	mg/L	IWB2	16/07/2024	0.0010
Copper (Total)	mg/L	BW28A	17/07/2024	0.001
Copper (Total)	mg/L	BW45B	18/07/2024	0.0350
Copper (Total)	mg/L	GW05	18/07/2024	0.0080
Copper (Total)	mg/L	GW04	22/07/2024	0.0050
Copper (Total)	mg/L	WRK300	22/07/2024	0.0020
Copper (Total)	mg/L	BW36A	22/07/2024	<0.001
Copper (Total)	mg/L	WRK301	24/07/2024	0.0040
Copper (Total)	mg/L	BW45B	20/08/2024	0.0250
Copper (Total)	mg/L	GW06	22/08/2024	0.002
Fluoride (Total)	mg/L	GW04A	16/01/2024	0.16
Fluoride (Total)	mg/L	GW03	16/01/2024	0.2100
Fluoride (Total)	mg/L	GW01	16/01/2024	0.3400
Fluoride (Total)	mg/L	GW02	16/01/2024	<0.1
Fluoride (Total)	mg/L	GW05	17/01/2024	0.1300
Fluoride (Total)	mg/L	GW04	17/01/2024	0.1600
Fluoride (Total)	mg/L	WRK300	17/01/2024	0.2400
Fluoride (Total)	mg/L	IWB2	18/01/2024	0.1600
Fluoride (Total)	mg/L	BW05	18/01/2024	0.5100
Fluoride (Total)	mg/L	BW28A	18/01/2024	0.55
Fluoride (Total)	mg/L	IWB6	18/01/2024	<0.1
Fluoride (Total)	mg/L	GW08	23/01/2024	0.1400
Fluoride (Total)	mg/L	GW06	23/01/2024	0.19
Fluoride (Total)	mg/L	GW07	23/01/2024	0.1900
Fluoride (Total)	mg/L	WRK302	23/01/2024	0.3100
Fluoride (Total)	mg/L	BW36A	24/01/2024	0.35
Fluoride (Total)	mg/L	WRK301	24/01/2024	0.5700
Fluoride (Total)	mg/L	BW45B	24/01/2024	<2
Fluoride (Total)	mg/L	GW04A	10/07/2024	0.17
Fluoride (Total)	mg/L	GW03	10/07/2024	0.2700
Fluoride (Total)	mg/L	GW01	10/07/2024	0.3500
Fluoride (Total)	mg/L	GW02	10/07/2024	<0.1
Fluoride (Total)	mg/L	GW06	11/07/2024	0.3000
Fluoride (Total)	mg/L	WRK302	11/07/2024	0.4200
Fluoride (Total)	mg/L	GW07	15/07/2024	0.2100
Fluoride (Total)	mg/L	IWB2	16/07/2024	0.1600
Fluoride (Total)	mg/L	BW05	16/07/2024	0.3900
Fluoride (Total)	mg/L	IWB6	16/07/2024	<0.1
Fluoride (Total)	mg/L	BW28A	17/07/2024	0.41
Fluoride (Total)	mg/L	GW05	18/07/2024	0.12
Fluoride (Total)	mg/L	BW45B	18/07/2024	<2
Fluoride (Total)	mg/L	GW04	22/07/2024	0.1500
Fluoride (Total)	mg/L	WRK300	22/07/2024	0.2300
Fluoride (Total)	mg/L	BW36A	22/07/2024	0.36
Fluoride (Total)	mg/L	WRK301	24/07/2024	0.6700
Fluoride (Total)	mg/L	BW45B	20/08/2024	0.54
Fluoride (Total)	mg/L	GW06	22/08/2024	0.23
Iron Fe	mg/L	GW01	16/01/2024	0.01
Iron Fe	mg/L	GW02	16/01/2024	0.03
Iron Fe	mg/L	GW03	16/01/2024	0.07
Iron Fe	mg/L	GW05	17/01/2024	<0.01
Iron Fe	mg/L	GW04	17/01/2024	0.04
Iron Fe	mg/L	WRK300	17/01/2024	0.06

Variable	Unit	Sample Point	Date	Result
Iron Fe	mg/L	IWB2	18/01/2024	0.05
Iron Fe	mg/L	IWB6	18/01/2024	2.3
Iron Fe	mg/L	BW05	18/01/2024	1.1
Iron Fe	mg/L	BW28A	18/01/2024	3.1
Iron Fe	mg/L	WRK302	23/01/2024	0.02
Iron Fe	mg/L	GW06	23/01/2024	1.6
Iron Fe	mg/L	GW08	23/01/2024	0.01
Iron Fe	mg/L	GW07	23/01/2024	0.02
Iron Fe	mg/L	WRK301	24/01/2024	0.14
Iron Fe	mg/L	BW45B	24/01/2024	<0.1
Iron Fe	mg/L	BW36A	24/01/2024	3.8
Iron Fe	mg/L	GW01	10/07/2024	0.06
Iron Fe	mg/L	GW03	10/07/2024	0.09
Iron Fe	mg/L	GW02	10/07/2024	0.02
Iron Fe	mg/L	WRK302	11/07/2024	0.02
Iron Fe	mg/L	GW06	11/07/2024	0.04
Iron Fe	mg/L	GW07	15/07/2024	0.03
Iron Fe	mg/L	IWB6	16/07/2024	2.2
Iron Fe	mg/L	IWB2	16/07/2024	0.01
Iron Fe	mg/L	BW05	16/07/2024	0.94
Iron Fe	mg/L	BW28A	17/07/2024	3.3
Iron Fe	mg/L	BW45B	18/07/2024	0.05
Iron Fe	mg/L	GW05	18/07/2024	<0.01
Iron Fe	mg/L	GW04	22/07/2024	0.04
Iron Fe	mg/L	WRK300	22/07/2024	0.04
Iron Fe	mg/L	BW36A	22/07/2024	1
Iron Fe	mg/L	WRK301	24/07/2024	1
Iron Fe	mg/L	BW45B	20/08/2024	0.03
Iron Fe	mg/L	GW06	22/08/2024	0.7
Lead (Total)	mg/L	GW01	16/01/2024	0.0010
Lead (Total)	mg/L	GW04A	16/01/2024	<0.001
Lead (Total)	mg/L	GW02	16/01/2024	<0.001
Lead (Total)	mg/L	GW03	16/01/2024	<0.001
Lead (Total)	mg/L	WRK300	17/01/2024	<0.001
Lead (Total)	mg/L	GW04	17/01/2024	<0.001
Lead (Total)	mg/L	GW05	17/01/2024	<0.001
Lead (Total)	mg/L	IWB6	18/01/2024	<0.001
Lead (Total)	mg/L	BW05	18/01/2024	<0.001
Lead (Total)	mg/L	IWB2	18/01/2024	<0.001
Lead (Total)	mg/L	BW28A	18/01/2024	<0.001
Lead (Total)	mg/L	GW08	23/01/2024	<0.001
Lead (Total)	mg/L	GW06	23/01/2024	0.0010
Lead (Total)	mg/L	WRK302	23/01/2024	0.0060
Lead (Total)	mg/L	GW07	23/01/2024	<0.001
Lead (Total)	mg/L	BW36A	24/01/2024	<0.001
Lead (Total)	mg/L	BW45B	24/01/2024	0.0300
Lead (Total)	mg/L	WRK301	24/01/2024	<0.001
Lead (Total)	mg/L	GW01	10/07/2024	<0.001
Lead (Total)	mg/L	GW02	10/07/2024	0.020
Lead (Total)	mg/L	GW03	10/07/2024	<0.001
Lead (Total)	mg/L	GW04A	10/07/2024	<0.001
Lead (Total)	mg/L	WRK302	11/07/2024	0.0060
Lead (Total)	mg/L	GW06	11/07/2024	<0.001
Lead (Total)	mg/L	GW07	15/07/2024	<0.001
Lead (Total)	mg/L	IWB6	16/07/2024	0.0020
Lead (Total)	mg/L	BW05	16/07/2024	<0.001
Lead (Total)	mg/L	IWB2	16/07/2024	<0.001
Lead (Total)	mg/L	BW28A	17/07/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Lead (Total)	mg/L	BW45B	18/07/2024	0.0300
Lead (Total)	mg/L	GW05	18/07/2024	<0.001
Lead (Total)	mg/L	GW04	22/07/2024	<0.001
Lead (Total)	mg/L	WRK300	22/07/2024	<0.001
Lead (Total)	mg/L	BW36A	22/07/2024	<0.001
Lead (Total)	mg/L	WRK301	24/07/2024	0.0010
Lead (Total)	mg/L	BW45B	20/08/2024	0.0310
Lead (Total)	mg/L	GW06	22/08/2024	<0.001
Magnesium	mg/L	GW01	16/01/2024	250
Magnesium	mg/L	GW02	16/01/2024	98
Magnesium	mg/L	GW03	16/01/2024	220
Magnesium	mg/L	GW05	17/01/2024	100
Magnesium	mg/L	GW04	17/01/2024	130
Magnesium	mg/L	WRK300	17/01/2024	110
Magnesium	mg/L	IWB2	18/01/2024	40
Magnesium	mg/L	IWB6	18/01/2024	19
Magnesium	mg/L	BW05	18/01/2024	590
Magnesium	mg/L	BW28A	18/01/2024	550
Magnesium	mg/L	WRK302	23/01/2024	400
Magnesium	mg/L	GW06	23/01/2024	520
Magnesium	mg/L	GW08	23/01/2024	520
Magnesium	mg/L	GW07	23/01/2024	320
Magnesium	mg/L	WRK301	24/01/2024	270
Magnesium	mg/L	BW45B	24/01/2024	350
Magnesium	mg/L	BW36A	24/01/2024	170
Magnesium	mg/L	GW01	10/07/2024	230
Magnesium	mg/L	GW03	10/07/2024	210
Magnesium	mg/L	GW02	10/07/2024	110
Magnesium	mg/L	WRK302	11/07/2024	390
Magnesium	mg/L	GW06	11/07/2024	460
Magnesium	mg/L	GW07	15/07/2024	320
Magnesium	mg/L	IWB6	16/07/2024	18
Magnesium	mg/L	IWB2	16/07/2024	78
Magnesium	mg/L	BW05	16/07/2024	520
Magnesium	mg/L	BW28A	17/07/2024	580
Magnesium	mg/L	BW45B	18/07/2024	360
Magnesium	mg/L	GW05	18/07/2024	120
Magnesium	mg/L	GW04	22/07/2024	140
Magnesium	mg/L	WRK300	22/07/2024	120
Magnesium	mg/L	BW36A	22/07/2024	170
Magnesium	mg/L	WRK301	24/07/2024	260
Magnesium	mg/L	BW45B	20/08/2024	240
Magnesium	mg/L	GW06	22/08/2024	490
Magnesium	mg/L	GW01	16/01/2024	250
Magnesium	mg/L	GW02	16/01/2024	98
Magnesium	mg/L	GW03	16/01/2024	220
Magnesium	mg/L	GW05	17/01/2024	100
Magnesium	mg/L	GW04	17/01/2024	130
Magnesium	mg/L	WRK300	17/01/2024	110
Magnesium	mg/L	IWB2	18/01/2024	40
Magnesium	mg/L	IWB6	18/01/2024	19
Magnesium	mg/L	BW05	18/01/2024	590
Magnesium	mg/L	BW28A	18/01/2024	550
Magnesium	mg/L	WRK302	23/01/2024	400
Magnesium	mg/L	GW06	23/01/2024	520
Magnesium	mg/L	GW08	23/01/2024	520
Magnesium	mg/L	GW07	23/01/2024	320
Magnesium	mg/L	WRK301	24/01/2024	270

Variable	Unit	Sample Point	Date	Result
Magnesium	mg/L	BW45B	24/01/2024	350
Magnesium	mg/L	BW36A	24/01/2024	170
Magnesium	mg/L	GW01	10/07/2024	230
Magnesium	mg/L	GW03	10/07/2024	210
Magnesium	mg/L	GW02	10/07/2024	110
Magnesium	mg/L	WRK302	11/07/2024	390
Magnesium	mg/L	GW06	11/07/2024	460
Magnesium	mg/L	GW07	15/07/2024	320
Magnesium	mg/L	IWB6	16/07/2024	18
Magnesium	mg/L	IWB2	16/07/2024	78
Magnesium	mg/L	BW05	16/07/2024	520
Magnesium	mg/L	BW28A	17/07/2024	580
Magnesium	mg/L	BW45B	18/07/2024	360
Magnesium	mg/L	GW05	18/07/2024	120
Magnesium	mg/L	GW04	22/07/2024	140
Magnesium	mg/L	WRK300	22/07/2024	120
Magnesium	mg/L	BW36A	22/07/2024	170
Magnesium	mg/L	WRK301	24/07/2024	260
Magnesium	mg/L	BW45B	20/08/2024	240
Magnesium	mg/L	GW06	22/08/2024	490
Manganese Mn	mg/L	GW01	16/01/2024	0.004
Manganese Mn	mg/L	GW02	16/01/2024	0.17
Manganese Mn	mg/L	GW03	16/01/2024	0.16
Manganese Mn	mg/L	GW05	17/01/2024	0.003
Manganese Mn	mg/L	GW04	17/01/2024	0.011
Manganese Mn	mg/L	WRK300	17/01/2024	0.007
Manganese Mn	mg/L	IWB2	18/01/2024	0.01
Manganese Mn	mg/L	IWB6	18/01/2024	0.01
Manganese Mn	mg/L	BW05	18/01/2024	0.13
Manganese Mn	mg/L	BW28A	18/01/2024	0.4
Manganese Mn	mg/L	WRK302	23/01/2024	0.021
Manganese Mn	mg/L	GW06	23/01/2024	0.023
Manganese Mn	mg/L	GW08	23/01/2024	<0.001
Manganese Mn	mg/L	GW07	23/01/2024	0.008
Manganese Mn	mg/L	WRK301	24/01/2024	0.033
Manganese Mn	mg/L	BW45B	24/01/2024	0.05
Manganese Mn	mg/L	BW36A	24/01/2024	2.3
Manganese Mn	mg/L	GW01	10/07/2024	0.005
Manganese Mn	mg/L	GW03	10/07/2024	0.19
Manganese Mn	mg/L	GW02	10/07/2024	0.19
Manganese Mn	mg/L	WRK302	11/07/2024	0.019
Manganese Mn	mg/L	GW06	11/07/2024	0.017
Manganese Mn	mg/L	GW07	15/07/2024	0.011
Manganese Mn	mg/L	IWB6	16/07/2024	0.007
Manganese Mn	mg/L	IWB2	16/07/2024	0.009
Manganese Mn	mg/L	BW05	16/07/2024	0.1
Manganese Mn	mg/L	BW28A	17/07/2024	0.41
Manganese Mn	mg/L	BW45B	18/07/2024	0.048
Manganese Mn	mg/L	GW05	18/07/2024	0.002
Manganese Mn	mg/L	GW04	22/07/2024	0.013
Manganese Mn	mg/L	WRK300	22/07/2024	0.004
Manganese Mn	mg/L	BW36A	22/07/2024	1.6
Manganese Mn	mg/L	WRK301	24/07/2024	0.34
Manganese Mn	mg/L	BW45B	20/08/2024	0.048
Manganese Mn	mg/L	GW06	22/08/2024	0.01
Mercury (Total)	mg/L	GW01	16/01/2024	0.0010
Mercury (Total)	mg/L	GW04A	16/01/2024	0.0002
Mercury (Total)	mg/L	GW02	16/01/2024	<0.0001

Variable	Unit	Sample Point	Date	Result
Mercury (Total)	mg/L	GW03	16/01/2024	<0.0001
Mercury (Total)	mg/L	WRK300	17/01/2024	<0.0001
Mercury (Total)	mg/L	GW04	17/01/2024	<0.0001
Mercury (Total)	mg/L	GW05	17/01/2024	0.0001
Mercury (Total)	mg/L	IWB6	18/01/2024	<0.0001
Mercury (Total)	mg/L	BW05	18/01/2024	<0.0001
Mercury (Total)	mg/L	IWB2	18/01/2024	<0.0001
Mercury (Total)	mg/L	BW28A	18/01/2024	<0.0001
Mercury (Total)	mg/L	GW08	23/01/2024	<0.0001
Mercury (Total)	mg/L	GW06	23/01/2024	<0.0001
Mercury (Total)	mg/L	WRK302	23/01/2024	<0.0001
Mercury (Total)	mg/L	GW07	23/01/2024	0.0003
Mercury (Total)	mg/L	BW36A	24/01/2024	<0.0001
Mercury (Total)	mg/L	BW45B	24/01/2024	<0.001
Mercury (Total)	mg/L	WRK301	24/01/2024	<0.0001
Mercury (Total)	mg/L	GW01	10/07/2024	<0.0001
Mercury (Total)	mg/L	GW02	10/07/2024	<0.0001
Mercury (Total)	mg/L	GW03	10/07/2024	0.0001
Mercury (Total)	mg/L	GW04A	10/07/2024	0.0006
Mercury (Total)	mg/L	WRK302	11/07/2024	<0.0001
Mercury (Total)	mg/L	GW06	11/07/2024	0.0031
Mercury (Total)	mg/L	GW07	15/07/2024	0.0002
Mercury (Total)	mg/L	IWB6	16/07/2024	<0.0001
Mercury (Total)	mg/L	BW05	16/07/2024	<0.0001
Mercury (Total)	mg/L	IWB2	16/07/2024	0.0001
Mercury (Total)	mg/L	BW28A	17/07/2024	0.0001
Mercury (Total)	mg/L	BW45B	18/07/2024	<0.0001
Mercury (Total)	mg/L	GW05	18/07/2024	<0.0001
Mercury (Total)	mg/L	GW04	22/07/2024	<0.0001
Mercury (Total)	mg/L	WRK300	22/07/2024	<0.0001
Mercury (Total)	mg/L	BW36A	22/07/2024	<0.0001
Mercury (Total)	mg/L	WRK301	24/07/2024	<0.0001
Mercury (Total)	mg/L	BW45B	20/08/2024	<0.0001
Mercury (Total)	mg/L	GW06	22/08/2024	<0.0001
Molybdenum (Total)	mg/L	GW01	16/01/2024	<0.001
Molybdenum (Total)	mg/L	GW04A	16/01/2024	<0.001
Molybdenum (Total)	mg/L	GW02	16/01/2024	<0.001
Molybdenum (Total)	mg/L	GW03	16/01/2024	<0.001
Molybdenum (Total)	mg/L	WRK300	17/01/2024	<0.001
Molybdenum (Total)	mg/L	GW04	17/01/2024	<0.001
Molybdenum (Total)	mg/L	GW05	17/01/2024	<0.001
Molybdenum (Total)	mg/L	IWB6	18/01/2024	<0.001
Molybdenum (Total)	mg/L	BW05	18/01/2024	0.0020
Molybdenum (Total)	mg/L	IWB2	18/01/2024	<0.001
Molybdenum (Total)	mg/L	BW28A	18/01/2024	0.003
Molybdenum (Total)	mg/L	GW08	23/01/2024	0.0020
Molybdenum (Total)	mg/L	GW06	23/01/2024	<0.001
Molybdenum (Total)	mg/L	WRK302	23/01/2024	<0.001
Molybdenum (Total)	mg/L	GW07	23/01/2024	<0.001
Molybdenum (Total)	mg/L	BW36A	24/01/2024	0.002
Molybdenum (Total)	mg/L	BW45B	24/01/2024	<0.01
Molybdenum (Total)	mg/L	WRK301	24/01/2024	0.0040
Molybdenum (Total)	mg/L	GW01	10/07/2024	<0.001
Molybdenum (Total)	mg/L	GW02	10/07/2024	<0.001
Molybdenum (Total)	mg/L	GW03	10/07/2024	<0.001
Molybdenum (Total)	mg/L	GW04A	10/07/2024	<0.001
Molybdenum (Total)	mg/L	WRK302	11/07/2024	<0.001
Molybdenum (Total)	mg/L	GW06	11/07/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Molybdenum (Total)	mg/L	GW07	15/07/2024	<0.001
Molybdenum (Total)	mg/L	IWB6	16/07/2024	<0.001
Molybdenum (Total)	mg/L	BW05	16/07/2024	0.0020
Molybdenum (Total)	mg/L	IWB2	16/07/2024	<0.001
Molybdenum (Total)	mg/L	BW28A	17/07/2024	0.003
Molybdenum (Total)	mg/L	BW45B	18/07/2024	<0.001
Molybdenum (Total)	mg/L	GW05	18/07/2024	<0.001
Molybdenum (Total)	mg/L	GW04	22/07/2024	0.0010
Molybdenum (Total)	mg/L	WRK300	22/07/2024	0.0040
Molybdenum (Total)	mg/L	BW36A	22/07/2024	<0.001
Molybdenum (Total)	mg/L	WRK301	24/07/2024	<0.001
Molybdenum (Total)	mg/L	BW45B	20/08/2024	<0.001
Molybdenum (Total)	mg/L	GW06	22/08/2024	<0.001
Na:Ca Ratio		GW01	16/01/2024	23.3800
Na:Ca Ratio		GW02	16/01/2024	117.65
Na:Ca Ratio		GW03	16/01/2024	10.5900
Na:Ca Ratio		GW04A	16/01/2024	12.77
Na:Ca Ratio		GW04	17/01/2024	15.5600
Na:Ca Ratio		GW05	17/01/2024	20.48
Na:Ca Ratio		WRK300	17/01/2024	8.50
Na:Ca Ratio		BW05	18/01/2024	16.4500
Na:Ca Ratio		BW28A	18/01/2024	6.94
Na:Ca Ratio		IWB2	18/01/2024	85.2900
Na:Ca Ratio		IWB6	18/01/2024	51.7900
Na:Ca Ratio		GW06	23/01/2024	5.5000
Na:Ca Ratio		GW07	23/01/2024	8.3300
Na:Ca Ratio		GW08	23/01/2024	6.6038
Na:Ca Ratio		WRK302	23/01/2024	7.4400
Na:Ca Ratio		BW36A	24/01/2024	15.45
Na:Ca Ratio		BW45B	24/01/2024	350.00
Na:Ca Ratio		WRK301	24/01/2024	6.9231
Na:Ca Ratio		GW02	1/02/2024	58.82
Na:Ca Ratio		GW03	1/02/2024	11.8800
Na:Ca Ratio		GW01	20/02/2024	25.3500
Na:Ca Ratio		GW04A	20/02/2024	12.64
Na:Ca Ratio		GW01	19/03/2024	22.2200
Na:Ca Ratio		GW02	19/03/2024	72.31
Na:Ca Ratio		GW03	19/03/2024	12.5000
Na:Ca Ratio		GW04A	19/03/2024	12.57
Na:Ca Ratio		GW01	16/04/2024	24.3900
Na:Ca Ratio		GW02	16/04/2024	68.75
Na:Ca Ratio		GW03	16/04/2024	12.3500
Na:Ca Ratio		GW04A	16/04/2024	13
Na:Ca Ratio		GW01	21/05/2024	21.4300
Na:Ca Ratio		GW02	21/05/2024	65.33
Na:Ca Ratio		GW03	21/05/2024	10.5900
Na:Ca Ratio		GW04A	21/05/2024	13.7
Na:Ca Ratio		GW01	19/06/2024	23.4600
Na:Ca Ratio		GW02	19/06/2024	74.62
Na:Ca Ratio		GW03	19/06/2024	10.0000
Na:Ca Ratio		GW04A	19/06/2024	11.58
Na:Ca Ratio		GW01	10/07/2024	25.0000
Na:Ca Ratio		GW02	10/07/2024	73.08
Na:Ca Ratio		GW03	10/07/2024	11.2500
Na:Ca Ratio		GW04A	10/07/2024	13.94
Na:Ca Ratio		GW06	11/07/2024	6.0400
Na:Ca Ratio		WRK302	11/07/2024	8.2500
Na:Ca Ratio		GW07	15/07/2024	9.1300

Variable	Unit	Sample Point	Date	Result
Na:Ca Ratio		BW05	16/07/2024	18.8500
Na:Ca Ratio		IWB2	16/07/2024	85.2900
Na:Ca Ratio		IWB6	16/07/2024	51.7900
Na:Ca Ratio		BW28A	17/07/2024	7.35
Na:Ca Ratio		GW05	18/07/2024	22.35
Na:Ca Ratio		BW45B	18/07/2024	360.00
Na:Ca Ratio		GW04	22/07/2024	14.0000
Na:Ca Ratio		BW36A	22/07/2024	21.59
Na:Ca Ratio		WRK300	22/07/2024	10.10
Na:Ca Ratio		WRK301	24/07/2024	6.8000
Na:Ca Ratio		GW01	20/08/2024	11.9200
Na:Ca Ratio		BW45B	20/08/2024	240.00
Na:Ca Ratio		GW02	21/08/2024	88.66
Na:Ca Ratio		GW03	21/08/2024	11.7600
Na:Ca Ratio		GW04A	21/08/2024	12.36
Na:Ca Ratio		GW06	22/08/2024	5.76
Na:Ca Ratio		GW01	17/09/2024	18.4800
Na:Ca Ratio		GW02	17/09/2024	66.15
Na:Ca Ratio		GW03	17/09/2024	10.5900
Na:Ca Ratio		GW04A	17/09/2024	11.38
Na:Ca Ratio		GW04A	2/10/2024	11.69
Na:Ca Ratio		GW01	3/10/2024	21.4300
Na:Ca Ratio		GW02	3/10/2024	70.00
Na:Ca Ratio		GW03	3/10/2024	10.5900
Na:Ca Ratio		GW01	19/11/2024	19.7800
Na:Ca Ratio		GW02	19/11/2024	92.13
Na:Ca Ratio		GW03	19/11/2024	11.3300
Na:Ca Ratio		GW04A	19/11/2024	13.19
Na:Ca Ratio		GW01	10/12/2024	17.3500
Na:Ca Ratio		GW02	10/12/2024	69.17
Na:Ca Ratio		GW03	10/12/2024	8.9500
Na:Ca Ratio		GW04A	10/12/2024	13.98
Nickel (Total)	mg/L	GW01	16/01/2024	0.0170
Nickel (Total)	mg/L	GW04A	16/01/2024	0.005
Nickel (Total)	mg/L	GW02	16/01/2024	0.003
Nickel (Total)	mg/L	GW03	16/01/2024	0.0050
Nickel (Total)	mg/L	WRK300	17/01/2024	0.0040
Nickel (Total)	mg/L	GW04	17/01/2024	0.0090
Nickel (Total)	mg/L	GW05	17/01/2024	0.0020
Nickel (Total)	mg/L	IWB6	18/01/2024	0.0020
Nickel (Total)	mg/L	BW05	18/01/2024	<0.001
Nickel (Total)	mg/L	IWB2	18/01/2024	0.0030
Nickel (Total)	mg/L	BW28A	18/01/2024	0.0120
Nickel (Total)	mg/L	GW08	23/01/2024	0.0090
Nickel (Total)	mg/L	GW06	23/01/2024	0.0210
Nickel (Total)	mg/L	WRK302	23/01/2024	0.0210
Nickel (Total)	mg/L	GW07	23/01/2024	0.0410
Nickel (Total)	mg/L	BW36A	24/01/2024	0.012
Nickel (Total)	mg/L	BW45B	24/01/2024	0.0600
Nickel (Total)	mg/L	WRK301	24/01/2024	0.0020
Nickel (Total)	mg/L	GW01	10/07/2024	0.0080
Nickel (Total)	mg/L	GW02	10/07/2024	0.002
Nickel (Total)	mg/L	GW03	10/07/2024	0.0030
Nickel (Total)	mg/L	GW04A	10/07/2024	0.004
Nickel (Total)	mg/L	WRK302	11/07/2024	0.0200
Nickel (Total)	mg/L	GW06	11/07/2024	0.0190
Nickel (Total)	mg/L	GW07	15/07/2024	0.0470
Nickel (Total)	mg/L	IWB6	16/07/2024	0.0020

Variable	Unit	Sample Point	Date	Result
Nickel (Total)	mg/L	BW05	16/07/2024	<0.001
Nickel (Total)	mg/L	IWB2	16/07/2024	0.0030
Nickel (Total)	mg/L	BW28A	17/07/2024	0.011
Nickel (Total)	mg/L	BW45B	18/07/2024	0.0600
Nickel (Total)	mg/L	GW05	18/07/2024	0.0020
Nickel (Total)	mg/L	GW04	22/07/2024	0.0130
Nickel (Total)	mg/L	WRK300	22/07/2024	0.0060
Nickel (Total)	mg/L	BW36A	22/07/2024	0.014
Nickel (Total)	mg/L	WRK301	24/07/2024	0.0080
Nickel (Total)	mg/L	BW45B	20/08/2024	0.0600
Nickel (Total)	mg/L	GW06	22/08/2024	0.02
Nitrate-Nitrogen	mg/L	GW01	16/01/2024	1.0000
Nitrate-Nitrogen	mg/L	GW04A	16/01/2024	5.2
Nitrate-Nitrogen	mg/L	GW02	16/01/2024	5.90
Nitrate-Nitrogen	mg/L	GW03	16/01/2024	2.2000
Nitrate-Nitrogen	mg/L	WRK300	17/01/2024	6.7000
Nitrate-Nitrogen	mg/L	GW04	17/01/2024	4.5000
Nitrate-Nitrogen	mg/L	GW05	17/01/2024	5.6000
Nitrate-Nitrogen	mg/L	IWB6	18/01/2024	9.7000
Nitrate-Nitrogen	mg/L	BW05	18/01/2024	1.3000
Nitrate-Nitrogen	mg/L	IWB2	18/01/2024	5.6000
Nitrate-Nitrogen	mg/L	BW28A	18/01/2024	0.28
Nitrate-Nitrogen	mg/L	GW08	23/01/2024	0.3400
Nitrate-Nitrogen	mg/L	GW06	23/01/2024	0.1300
Nitrate-Nitrogen	mg/L	WRK302	23/01/2024	0.4400
Nitrate-Nitrogen	mg/L	GW07	23/01/2024	0.8200
Nitrate-Nitrogen	mg/L	BW36A	24/01/2024	0.092
Nitrate-Nitrogen	mg/L	BW45B	24/01/2024	0.1400
Nitrate-Nitrogen	mg/L	WRK301	24/01/2024	0.1500
Nitrate-Nitrogen	mg/L	GW01	10/07/2024	1.6000
Nitrate-Nitrogen	mg/L	GW02	10/07/2024	4.70
Nitrate-Nitrogen	mg/L	GW03	10/07/2024	1.9000
Nitrate-Nitrogen	mg/L	GW04A	10/07/2024	6
Nitrate-Nitrogen	mg/L	WRK302	11/07/2024	0.4500
Nitrate-Nitrogen	mg/L	GW06	11/07/2024	0.1100
Nitrate-Nitrogen	mg/L	GW07	15/07/2024	0.8200
Nitrate-Nitrogen	mg/L	IWB6	16/07/2024	9.4000
Nitrate-Nitrogen	mg/L	BW05	16/07/2024	1.5000
Nitrate-Nitrogen	mg/L	IWB2	16/07/2024	5.7000
Nitrate-Nitrogen	mg/L	BW28A	17/07/2024	0.37
Nitrate-Nitrogen	mg/L	BW45B	18/07/2024	0.2200
Nitrate-Nitrogen	mg/L	GW05	18/07/2024	5.5000
Nitrate-Nitrogen	mg/L	GW04	22/07/2024	4.6000
Nitrate-Nitrogen	mg/L	WRK300	22/07/2024	6.8000
Nitrate-Nitrogen	mg/L	BW36A	22/07/2024	0.24
Nitrate-Nitrogen	mg/L	WRK301	24/07/2024	0.1900
Nitrate-Nitrogen	mg/L	BW45B	20/08/2024	0.9600
Nitrate-Nitrogen	mg/L	GW06	22/08/2024	0.12
Nitrite-Nitrogen	mg/L	GW01	16/01/2024	<0.001
Nitrite-Nitrogen	mg/L	GW04A	16/01/2024	<0.001
Nitrite-Nitrogen	mg/L	GW02	16/01/2024	0.016
Nitrite-Nitrogen	mg/L	GW03	16/01/2024	0.0020
Nitrite-Nitrogen	mg/L	WRK300	17/01/2024	0.0070
Nitrite-Nitrogen	mg/L	GW04	17/01/2024	<0.001
Nitrite-Nitrogen	mg/L	GW05	17/01/2024	0.0060
Nitrite-Nitrogen	mg/L	IWB6	18/01/2024	0.0040
Nitrite-Nitrogen	mg/L	BW05	18/01/2024	<0.001
Nitrite-Nitrogen	mg/L	IWB2	18/01/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Nitrite-Nitrogen	mg/L	BW28A	18/01/2024	0.011
Nitrite-Nitrogen	mg/L	GW08	23/01/2024	<0.001
Nitrite-Nitrogen	mg/L	GW06	23/01/2024	<0.001
Nitrite-Nitrogen	mg/L	WRK302	23/01/2024	<0.001
Nitrite-Nitrogen	mg/L	GW07	23/01/2024	<0.001
Nitrite-Nitrogen	mg/L	BW36A	24/01/2024	0.004
Nitrite-Nitrogen	mg/L	BW45B	24/01/2024	<0.001
Nitrite-Nitrogen	mg/L	WRK301	24/01/2024	<0.001
Nitrite-Nitrogen	mg/L	GW01	10/07/2024	<0.001
Nitrite-Nitrogen	mg/L	GW02	10/07/2024	0.024
Nitrite-Nitrogen	mg/L	GW03	10/07/2024	0.0310
Nitrite-Nitrogen	mg/L	GW04A	10/07/2024	0.005
Nitrite-Nitrogen	mg/L	WRK302	11/07/2024	0.0010
Nitrite-Nitrogen	mg/L	GW06	11/07/2024	<0.001
Nitrite-Nitrogen	mg/L	GW07	15/07/2024	0.0020
Nitrite-Nitrogen	mg/L	IWB6	16/07/2024	0.0040
Nitrite-Nitrogen	mg/L	BW05	16/07/2024	<0.001
Nitrite-Nitrogen	mg/L	IWB2	16/07/2024	<0.001
Nitrite-Nitrogen	mg/L	BW28A	17/07/2024	0.014
Nitrite-Nitrogen	mg/L	BW45B	18/07/2024	0.0010
Nitrite-Nitrogen	mg/L	GW05	18/07/2024	0.0020
Nitrite-Nitrogen	mg/L	GW04	22/07/2024	0.0030
Nitrite-Nitrogen	mg/L	WRK300	22/07/2024	<0.001
Nitrite-Nitrogen	mg/L	BW36A	22/07/2024	0.009
Nitrite-Nitrogen	mg/L	WRK301	24/07/2024	0.0030
Nitrite-Nitrogen	mg/L	BW45B	20/08/2024	<0.001
Nitrite-Nitrogen	mg/L	GW06	22/08/2024	0.002
Phosphorus (Reactive)	mg/L	GW01	16/01/2024	<0.004
Phosphorus (Reactive)	mg/L	GW02	16/01/2024	<0.004
Phosphorus (Reactive)	mg/L	GW03	16/01/2024	0.022
Phosphorus (Reactive)	mg/L	GW05	17/01/2024	<0.004
Phosphorus (Reactive)	mg/L	GW04	17/01/2024	0.007
Phosphorus (Reactive)	mg/L	WRK300	17/01/2024	0.008
Phosphorus (Reactive)	mg/L	IWB2	18/01/2024	0.012
Phosphorus (Reactive)	mg/L	IWB6	18/01/2024	0.005
Phosphorus (Reactive)	mg/L	BW05	18/01/2024	<0.004
Phosphorus (Reactive)	mg/L	BW28A	18/01/2024	0.076
Phosphorus (Reactive)	mg/L	WRK302	23/01/2024	<0.004
Phosphorus (Reactive)	mg/L	GW06	23/01/2024	0.016
Phosphorus (Reactive)	mg/L	GW08	23/01/2024	0.011
Phosphorus (Reactive)	mg/L	GW07	23/01/2024	<0.004
Phosphorus (Reactive)	mg/L	WRK301	24/01/2024	0.014
Phosphorus (Reactive)	mg/L	BW45B	24/01/2024	0.005
Phosphorus (Reactive)	mg/L	BW36A	24/01/2024	0.008
Phosphorus (Reactive)	mg/L	GW01	10/07/2024	<0.004
Phosphorus (Reactive)	mg/L	GW03	10/07/2024	<0.004
Phosphorus (Reactive)	mg/L	GW02	10/07/2024	<0.004
Phosphorus (Reactive)	mg/L	WRK302	11/07/2024	<0.004
Phosphorus (Reactive)	mg/L	GW06	11/07/2024	0.013
Phosphorus (Reactive)	mg/L	GW07	15/07/2024	<0.004
Phosphorus (Reactive)	mg/L	IWB6	16/07/2024	<0.004
Phosphorus (Reactive)	mg/L	IWB2	16/07/2024	0.01
Phosphorus (Reactive)	mg/L	BW05	16/07/2024	<0.004
Phosphorus (Reactive)	mg/L	BW28A	17/07/2024	0.028
Phosphorus (Reactive)	mg/L	BW45B	18/07/2024	0.005
Phosphorus (Reactive)	mg/L	GW05	18/07/2024	<0.004
Phosphorus (Reactive)	mg/L	GW04	22/07/2024	<0.004
Phosphorus (Reactive)	mg/L	WRK300	22/07/2024	0.008

Variable	Unit	Sample Point	Date	Result
Phosphorus (Reactive)	mg/L	BW36A	22/07/2024	<0.004
Phosphorus (Reactive)	mg/L	WRK301	24/07/2024	0.007
Phosphorus (Reactive)	mg/L	BW45B	20/08/2024	<0.004
Phosphorus (Reactive)	mg/L	GW06	22/08/2024	0.012
Potassium	mg/L	BW05	16/01/2024	17
Potassium	mg/L	BW05	16/01/2024	17
Potassium	mg/L	BW28A	16/01/2024	27
Potassium	mg/L	BW28A	17/01/2024	15
Potassium	mg/L	BW36A	17/01/2024	13
Potassium	mg/L	BW36A	17/01/2024	12
Potassium	mg/L	BW45B	18/01/2024	4.5
Potassium	mg/L	BW45B	18/01/2024	1.5
Potassium	mg/L	BW45B	18/01/2024	87
Potassium	mg/L	GW01	23/01/2024	20
Potassium	mg/L	GW01	23/01/2024	18
Potassium	mg/L	GW02	23/01/2024	16
Potassium	mg/L	GW02	24/01/2024	23
Potassium	mg/L	GW03	24/01/2024	16
Potassium	mg/L	GW03	24/01/2024	20
Potassium	mg/L	GW04	20/02/2024	12
Potassium	mg/L	GW04	10/07/2024	18
Potassium	mg/L	GW05	10/07/2024	27
Potassium	mg/L	GW05	10/07/2024	19
Potassium	mg/L	GW06	11/07/2024	23
Potassium	mg/L	GW06	11/07/2024	20
Potassium	mg/L	GW06	15/07/2024	16
Potassium	mg/L	GW07	16/07/2024	1.7
Potassium	mg/L	GW07	16/07/2024	4.6
Potassium	mg/L	GW08	16/07/2024	85
Potassium	mg/L	IWB2	17/07/2024	42
Potassium	mg/L	IWB2	17/07/2024	12
Potassium	mg/L	IWB6	18/07/2024	17
Potassium	mg/L	IWB6	18/07/2024	15
Potassium	mg/L	WRK300	22/07/2024	14
Potassium	mg/L	WRK300	22/07/2024	13
Potassium	mg/L	WRK301	22/07/2024	22
Potassium	mg/L	WRK301	24/07/2024	23
Potassium	mg/L	WRK302	20/08/2024	19
Potassium	mg/L	WRK302	22/08/2024	20
Radium 226	Bq/L	GW01	16/01/2024	1.3000
Radium 226	Bq/L	GW02	16/01/2024	<0.07
Radium 226	Bq/L	GW03	16/01/2024	<0.03
Radium 226	Bq/L	GW04A	16/01/2024	0.85
Radium 226	Bq/L	GW04	17/01/2024	<0.07
Radium 226	Bq/L	GW05	17/01/2024	<0.05
Radium 226	Bq/L	WRK300	17/01/2024	<0.06
Radium 226	Bq/L	BW05	18/01/2024	<0.03
Radium 226	Bq/L	BW28A	18/01/2024	<0.04
Radium 226	Bq/L	IWB2	18/01/2024	<0.06
Radium 226	Bq/L	IWB6	18/01/2024	<0.05
Radium 226	Bq/L	GW06	23/01/2024	<0.05
Radium 226	Bq/L	GW07	23/01/2024	0.9300
Radium 226	Bq/L	GW08	23/01/2024	<0.04
Radium 226	Bq/L	WRK302	23/01/2024	1.5000
Radium 226	Bq/L	BW36A	24/01/2024	0.12
Radium 226	Bq/L	BW45B	24/01/2024	6.1000
Radium 226	Bq/L	WRK301	24/01/2024	<0.06
Radium 226	Bq/L	GW01	10/07/2024	1.6000

Variable	Unit	Sample Point	Date	Result
Radium 226	Bq/L	GW02	10/07/2024	<0.06
Radium 226	Bq/L	GW03	10/07/2024	<0.04
Radium 226	Bq/L	GW04A	10/07/2024	<0.07
Radium 226	Bq/L	GW06	11/07/2024	<0.05
Radium 226	Bq/L	WRK302	11/07/2024	1.3000
Radium 226	Bq/L	GW07	15/07/2024	0.7900
Radium 226	Bq/L	BW05	16/07/2024	<0.07
Radium 226	Bq/L	IWB2	16/07/2024	<0.10
Radium 226	Bq/L	IWB6	16/07/2024	<0.07
Radium 226	Bq/L	BW28A	17/07/2024	<0.07
Radium 226	Bq/L	GW05	18/07/2024	<0.06
Radium 226	Bq/L	BW45B	18/07/2024	6.5000
Radium 226	Bq/L	GW04	22/07/2024	<0.13
Radium 226	Bq/L	BW36A	22/07/2024	<0.06
Radium 226	Bq/L	WRK300	22/07/2024	<0.13
Radium 226	Bq/L	WRK301	24/07/2024	<0.13
Radium 226	Bq/L	BW45B	20/08/2024	4.2200
Radium 226	Bq/L	BW45B	20/08/2024	6.4000
Radium 228	Bq/L	GW01	16/01/2024	1.3000
Radium 228	Bq/L	GW02	16/01/2024	<0.07
Radium 228	Bq/L	GW03	16/01/2024	<0.03
Radium 228	Bq/L	GW04A	16/01/2024	0.85
Radium 228	Bq/L	GW04	17/01/2024	<0.07
Radium 228	Bq/L	GW05	17/01/2024	<0.05
Radium 228	Bq/L	WRK300	17/01/2024	<0.06
Radium 228	Bq/L	BW05	18/01/2024	<0.03
Radium 228	Bq/L	BW28A	18/01/2024	<0.04
Radium 228	Bq/L	IWB2	18/01/2024	<0.06
Radium 228	Bq/L	IWB6	18/01/2024	<0.05
Radium 228	Bq/L	GW06	23/01/2024	<0.05
Radium 228	Bq/L	GW07	23/01/2024	0.9300
Radium 228	Bq/L	GW08	23/01/2024	<0.04
Radium 228	Bq/L	WRK302	23/01/2024	1.5000
Radium 228	Bq/L	BW36A	24/01/2024	0.12
Radium 228	Bq/L	BW45B	24/01/2024	6.1000
Radium 228	Bq/L	WRK301	24/01/2024	<0.06
Radium 228	Bq/L	GW01	10/07/2024	1.6000
Radium 228	Bq/L	GW02	10/07/2024	<0.06
Radium 228	Bq/L	GW03	10/07/2024	<0.04
Radium 228	Bq/L	GW04A	10/07/2024	<0.07
Radium 228	Bq/L	GW06	11/07/2024	<0.05
Radium 228	Bq/L	WRK302	11/07/2024	1.3000
Radium 228	Bq/L	GW07	15/07/2024	0.7900
Radium 228	Bq/L	BW05	16/07/2024	<0.07
Radium 228	Bq/L	IWB2	16/07/2024	<0.10
Radium 228	Bq/L	IWB6	16/07/2024	<0.07
Radium 228	Bq/L	BW28A	17/07/2024	<0.07
Radium 228	Bq/L	GW05	18/07/2024	<0.06
Radium 228	Bq/L	BW45B	18/07/2024	6.5000
Radium 228	Bq/L	GW04	22/07/2024	<0.13
Radium 228	Bq/L	BW36A	22/07/2024	<0.06
Radium 228	Bq/L	WRK300	22/07/2024	<0.13
Radium 228	Bq/L	WRK301	24/07/2024	<0.13
Radium 228	Bq/L	BW45B	20/08/2024	4.2200
Radium 228	Bq/L	BW45B	20/08/2024	6.4000
Selenium (Total)	mg/L	GW01	16/01/2024	0.0370
Selenium (Total)	mg/L	GW02	16/01/2024	0.0010
Selenium (Total)	mg/L	GW03	16/01/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Selenium (Total)	mg/L	GW04A	16/01/2024	0.014
Selenium (Total)	mg/L	GW04	17/01/2024	0.0290
Selenium (Total)	mg/L	GW05	17/01/2024	0.0250
Selenium (Total)	mg/L	WRK300	17/01/2024	0.0020
Selenium (Total)	mg/L	BW05	18/01/2024	0.0120
Selenium (Total)	mg/L	BW28A	18/01/2024	0.017
Selenium (Total)	mg/L	IWB2	18/01/2024	<0.001
Selenium (Total)	mg/L	IWB6	18/01/2024	0.0030
Selenium (Total)	mg/L	GW06	23/01/2024	0.0080
Selenium (Total)	mg/L	GW07	23/01/2024	0.0130
Selenium (Total)	mg/L	GW08	23/01/2024	0.0200
Selenium (Total)	mg/L	WRK302	23/01/2024	0.0120
Selenium (Total)	mg/L	BW36A	24/01/2024	0.002
Selenium (Total)	mg/L	BW45B	24/01/2024	0.0200
Selenium (Total)	mg/L	WRK301	24/01/2024	0.0060
Selenium (Total)	mg/L	GW02	1/02/2024	0.0020
Selenium (Total)	mg/L	GW03	1/02/2024	0.0030
Selenium (Total)	mg/L	GW01	20/02/2024	0.0130
Selenium (Total)	mg/L	GW04A	20/02/2024	0.008
Selenium (Total)	mg/L	GW01	19/03/2024	0.0150
Selenium (Total)	mg/L	GW02	19/03/2024	0.0010
Selenium (Total)	mg/L	GW03	19/03/2024	0.0010
Selenium (Total)	mg/L	GW04A	19/03/2024	0.003
Selenium (Total)	mg/L	GW01	16/04/2024	0.0180
Selenium (Total)	mg/L	GW02	16/04/2024	0.0010
Selenium (Total)	mg/L	GW03	16/04/2024	0.0020
Selenium (Total)	mg/L	GW04A	16/04/2024	0.011
Selenium (Total)	mg/L	GW01	21/05/2024	0.0220
Selenium (Total)	mg/L	GW02	21/05/2024	0.0020
Selenium (Total)	mg/L	GW03	21/05/2024	0.0020
Selenium (Total)	mg/L	GW04A	21/05/2024	0.01
Selenium (Total)	mg/L	GW01	19/06/2024	0.0170
Selenium (Total)	mg/L	GW02	19/06/2024	0.0020
Selenium (Total)	mg/L	GW03	19/06/2024	0.0010
Selenium (Total)	mg/L	GW04A	19/06/2024	0.01
Selenium (Total)	mg/L	GW01	10/07/2024	0.0150
Selenium (Total)	mg/L	GW02	10/07/2024	0.0030
Selenium (Total)	mg/L	GW03	10/07/2024	0.0030
Selenium (Total)	mg/L	GW04A	10/07/2024	0.007
Selenium (Total)	mg/L	GW06	11/07/2024	0.0100
Selenium (Total)	mg/L	WRK302	11/07/2024	0.0100
Selenium (Total)	mg/L	GW07	15/07/2024	0.0110
Selenium (Total)	mg/L	BW05	16/07/2024	0.0120
Selenium (Total)	mg/L	IWB2	16/07/2024	0.0020
Selenium (Total)	mg/L	IWB6	16/07/2024	0.0020
Selenium (Total)	mg/L	BW28A	17/07/2024	0.014
Selenium (Total)	mg/L	GW05	18/07/2024	0.0200
Selenium (Total)	mg/L	BW45B	18/07/2024	0.0130
Selenium (Total)	mg/L	GW04	22/07/2024	0.0250
Selenium (Total)	mg/L	BW36A	22/07/2024	0.001
Selenium (Total)	mg/L	WRK300	22/07/2024	0.0040
Selenium (Total)	mg/L	WRK301	24/07/2024	0.0040
Selenium (Total)	mg/L	GW01	20/08/2024	0.0190
Selenium (Total)	mg/L	BW45B	20/08/2024	0.0150
Selenium (Total)	mg/L	GW02	21/08/2024	0.0020
Selenium (Total)	mg/L	GW03	21/08/2024	0.0030
Selenium (Total)	mg/L	GW04A	21/08/2024	0.011
Selenium (Total)	mg/L	GW06	22/08/2024	0.007

Variable	Unit	Sample Point	Date	Result
Selenium (Total)	mg/L	GW01	17/09/2024	0.0300
Selenium (Total)	mg/L	GW02	17/09/2024	0.0020
Selenium (Total)	mg/L	GW03	17/09/2024	0.0010
Selenium (Total)	mg/L	GW04A	17/09/2024	0.009
Selenium (Total)	mg/L	GW04A	2/10/2024	0.01
Selenium (Total)	mg/L	GW01	3/10/2024	0.0070
Selenium (Total)	mg/L	GW02	3/10/2024	<0.001
Selenium (Total)	mg/L	GW03	3/10/2024	<0.001
Selenium (Total)	mg/L	GW01	19/11/2024	0.0170
Selenium (Total)	mg/L	GW02	19/11/2024	0.0020
Selenium (Total)	mg/L	GW03	19/11/2024	0.0020
Selenium (Total)	mg/L	GW04A	19/11/2024	0.016
Selenium (Total)	mg/L	GW01	10/12/2024	0.0200
Selenium (Total)	mg/L	GW02	10/12/2024	0.0010
Selenium (Total)	mg/L	GW03	10/12/2024	0.0020
Selenium (Total)	mg/L	GW04A	10/12/2024	0.016
Silver Ag	mg/L	GW01	16/01/2024	<0.001
Silver Ag	mg/L	GW02	16/01/2024	<0.001
Silver Ag	mg/L	GW03	16/01/2024	<0.001
Silver Ag	mg/L	GW05	17/01/2024	<0.001
Silver Ag	mg/L	GW04	17/01/2024	<0.001
Silver Ag	mg/L	WRK300	17/01/2024	<0.001
Silver Ag	mg/L	IWB2	18/01/2024	<0.001
Silver Ag	mg/L	IWB6	18/01/2024	<0.001
Silver Ag	mg/L	BW05	18/01/2024	<0.001
Silver Ag	mg/L	BW28A	18/01/2024	<0.001
Silver Ag	mg/L	WRK302	23/01/2024	0.003
Silver Ag	mg/L	GW06	23/01/2024	<0.001
Silver Ag	mg/L	GW08	23/01/2024	0.006
Silver Ag	mg/L	GW07	23/01/2024	0.004
Silver Ag	mg/L	WRK301	24/01/2024	0.007
Silver Ag	mg/L	BW45B	24/01/2024	<0.01
Silver Ag	mg/L	BW36A	24/01/2024	0.005
Silver Ag	mg/L	GW01	10/07/2024	<0.001
Silver Ag	mg/L	GW03	10/07/2024	<0.001
Silver Ag	mg/L	GW02	10/07/2024	<0.001
Silver Ag	mg/L	WRK302	11/07/2024	<0.001
Silver Ag	mg/L	GW06	11/07/2024	0.001
Silver Ag	mg/L	GW07	15/07/2024	<0.001
Silver Ag	mg/L	IWB6	16/07/2024	<0.001
Silver Ag	mg/L	IWB2	16/07/2024	<0.001
Silver Ag	mg/L	BW05	16/07/2024	<0.001
Silver Ag	mg/L	BW28A	17/07/2024	<0.001
Silver Ag	mg/L	BW45B	18/07/2024	<0.001
Silver Ag	mg/L	GW05	18/07/2024	<0.001
Silver Ag	mg/L	GW04	22/07/2024	<0.001
Silver Ag	mg/L	WRK300	22/07/2024	<0.001
Silver Ag	mg/L	BW36A	22/07/2024	<0.001
Silver Ag	mg/L	WRK301	24/07/2024	<0.001
Silver Ag	mg/L	BW45B	20/08/2024	0.001
Silver Ag	mg/L	GW06	22/08/2024	<0.001
Sodium	mg/L	GW01	16/01/2024	1800.00
Sodium	mg/L	GW02	16/01/2024	800.00
Sodium	mg/L	GW03	16/01/2024	1800.00
Sodium	mg/L	GW04A	16/01/2024	1200
Sodium	mg/L	GW04	17/01/2024	1400.00
Sodium	mg/L	GW05	17/01/2024	1700.00
Sodium	mg/L	WRK300	17/01/2024	850.00

Variable	Unit	Sample Point	Date	Result
Sodium	mg/L	BW05	18/01/2024	5100.00
Sodium	mg/L	BW28A	18/01/2024	3400
Sodium	mg/L	IWB2	18/01/2024	580.00
Sodium	mg/L	IWB6	18/01/2024	290.00
Sodium	mg/L	GW06	23/01/2024	3300.00
Sodium	mg/L	GW07	23/01/2024	3000.0000
Sodium	mg/L	GW08	23/01/2024	3500.00
Sodium	mg/L	WRK302	23/01/2024	3200.00
Sodium	mg/L	BW36A	24/01/2024	1700
Sodium	mg/L	WRK301	24/01/2024	1800.00
Sodium	mg/L	GW02	1/02/2024	1000.00
Sodium	mg/L	GW03	1/02/2024	1900.00
Sodium	mg/L	GW01	20/02/2024	1800.00
Sodium	mg/L	GW04A	20/02/2024	1100
Sodium	mg/L	GW01	19/03/2024	2000.00
Sodium	mg/L	GW02	19/03/2024	940.00
Sodium	mg/L	GW03	19/03/2024	2000.00
Sodium	mg/L	GW04A	19/03/2024	880
Sodium	mg/L	GW01	16/04/2024	2000.00
Sodium	mg/L	GW02	16/04/2024	1100.00
Sodium	mg/L	GW03	16/04/2024	2100.00
Sodium	mg/L	GW04A	16/04/2024	1300
Sodium	mg/L	GW01	21/05/2024	1800.00
Sodium	mg/L	GW02	21/05/2024	980.00
Sodium	mg/L	GW03	21/05/2024	1800.00
Sodium	mg/L	GW04A	21/05/2024	1000
Sodium	mg/L	GW01	19/06/2024	1900.00
Sodium	mg/L	GW02	19/06/2024	970.00
Sodium	mg/L	GW03	19/06/2024	1800.00
Sodium	mg/L	GW04A	19/06/2024	1100
Sodium	mg/L	GW01	10/07/2024	1900.00
Sodium	mg/L	GW02	10/07/2024	950.00
Sodium	mg/L	GW03	10/07/2024	1800.00
Sodium	mg/L	GW04A	10/07/2024	920
Sodium	mg/L	GW06	11/07/2024	3200.00
Sodium	mg/L	WRK302	11/07/2024	3300.00
Sodium	mg/L	GW07	15/07/2024	3300.0000
Sodium	mg/L	BW05	16/07/2024	4900.00
Sodium	mg/L	IWB2	16/07/2024	580.00
Sodium	mg/L	IWB6	16/07/2024	290.00
Sodium	mg/L	BW28A	17/07/2024	3600
Sodium	mg/L	GW05	18/07/2024	1900.00
Sodium	mg/L	GW04	22/07/2024	1400.00
Sodium	mg/L	BW36A	22/07/2024	1900
Sodium	mg/L	WRK300	22/07/2024	1000.00
Sodium	mg/L	WRK301	24/07/2024	1700.00
Sodium	mg/L	GW01	20/08/2024	3100.00
Sodium	mg/L	GW02	21/08/2024	860.00
Sodium	mg/L	GW03	21/08/2024	2000.00
Sodium	mg/L	GW04A	21/08/2024	1100
Sodium	mg/L	GW06	22/08/2024	3400
Sodium	mg/L	GW01	17/09/2024	1700.00
Sodium	mg/L	GW02	17/09/2024	860.00
Sodium	mg/L	GW03	17/09/2024	1800.00
Sodium	mg/L	GW04A	17/09/2024	990
Sodium	mg/L	GW04A	2/10/2024	830
Sodium	mg/L	GW01	3/10/2024	1800.00
Sodium	mg/L	GW02	3/10/2024	840.00

Variable	Unit	Sample Point	Date	Result
Sodium	mg/L	GW03	3/10/2024	1800.00
Sodium	mg/L	GW01	19/11/2024	1800.00
Sodium	mg/L	GW02	19/11/2024	820.00
Sodium	mg/L	GW03	19/11/2024	1700.00
Sodium	mg/L	GW04A	19/11/2024	1200
Sodium	mg/L	GW01	10/12/2024	1700.00
Sodium	mg/L	GW02	10/12/2024	830.00
Sodium	mg/L	GW03	10/12/2024	1700.00
Sodium	mg/L	GW04A	10/12/2024	1300
Sulfate	mg/L	GW01	16/01/2024	400.00
Sulfate	mg/L	GW02	16/01/2024	130.00
Sulfate	mg/L	GW03	16/01/2024	450.00
Sulfate	mg/L	GW04A	16/01/2024	380
Sulfate	mg/L	GW04	17/01/2024	640.00
Sulfate	mg/L	GW05	17/01/2024	500.00
Sulfate	mg/L	WRK300	17/01/2024	320.00
Sulfate	mg/L	BW05	18/01/2024	840.00
Sulfate	mg/L	BW28A	18/01/2024	810.00
Sulfate	mg/L	IWB2	18/01/2024	130.00
Sulfate	mg/L	IWB6	18/01/2024	180.00
Sulfate	mg/L	GW06	23/01/2024	1300.00
Sulfate	mg/L	GW07	23/01/2024	870.0000
Sulfate	mg/L	GW08	23/01/2024	1100.00
Sulfate	mg/L	WRK302	23/01/2024	1200.00
Sulfate	mg/L	BW36A	24/01/2024	370
Sulfate	mg/L	BW45B	24/01/2024	920
Sulfate	mg/L	WRK301	24/01/2024	480.00
Sulfate	mg/L	GW02	1/02/2024	270.00
Sulfate	mg/L	GW03	1/02/2024	460.00
Sulfate	mg/L	GW01	20/02/2024	480.00
Sulfate	mg/L	GW04A	20/02/2024	400
Sulfate	mg/L	GW01	19/03/2024	420.00
Sulfate	mg/L	GW02	19/03/2024	160.00
Sulfate	mg/L	GW03	19/03/2024	470.00
Sulfate	mg/L	GW04A	19/03/2024	110
Sulfate	mg/L	GW01	16/04/2024	410.00
Sulfate	mg/L	GW02	16/04/2024	210.00
Sulfate	mg/L	GW03	16/04/2024	470.00
Sulfate	mg/L	GW04A	16/04/2024	300
Sulfate	mg/L	GW01	21/05/2024	420.00
Sulfate	mg/L	GW02	21/05/2024	210.00
Sulfate	mg/L	GW03	21/05/2024	480.00
Sulfate	mg/L	GW04A	21/05/2024	230
Sulfate	mg/L	GW01	19/06/2024	420.00
Sulfate	mg/L	GW02	19/06/2024	200.00
Sulfate	mg/L	GW03	19/06/2024	470.00
Sulfate	mg/L	GW04A	19/06/2024	250
Sulfate	mg/L	GW01	10/07/2024	430.00
Sulfate	mg/L	GW02	10/07/2024	200.00
Sulfate	mg/L	GW03	10/07/2024	490.00
Sulfate	mg/L	GW04A	10/07/2024	170
Sulfate	mg/L	GW06	11/07/2024	1500.00
Sulfate	mg/L	WRK302	11/07/2024	1300.00
Sulfate	mg/L	GW07	15/07/2024	910.0000
Sulfate	mg/L	BW05	16/07/2024	800.00
Sulfate	mg/L	IWB2	16/07/2024	130.00
Sulfate	mg/L	IWB6	16/07/2024	180.00
Sulfate	mg/L	BW28A	17/07/2024	860

Variable	Unit	Sample Point	Date	Result
Sulfate	mg/L	GW05	18/07/2024	530.00
Sulfate	mg/L	BW45B	18/07/2024	940
Sulfate	mg/L	GW04	22/07/2024	620.00
Sulfate	mg/L	BW36A	22/07/2024	380
Sulfate	mg/L	WRK300	22/07/2024	380.00
Sulfate	mg/L	WRK301	24/07/2024	500.00
Sulfate	mg/L	GW01	20/08/2024	880.00
Sulfate	mg/L	BW45B	20/08/2024	100
Sulfate	mg/L	GW02	21/08/2024	140.00
Sulfate	mg/L	GW03	21/08/2024	470.00
Sulfate	mg/L	GW04A	21/08/2024	250
Sulfate	mg/L	GW06	22/08/2024	1500
Sulfate	mg/L	GW01	17/09/2024	410.00
Sulfate	mg/L	GW02	17/09/2024	200.00
Sulfate	mg/L	GW03	17/09/2024	440.00
Sulfate	mg/L	GW04A	17/09/2024	240
Sulfate	mg/L	GW04A	2/10/2024	150
Sulfate	mg/L	GW01	3/10/2024	480.00
Sulfate	mg/L	GW02	3/10/2024	170.00
Sulfate	mg/L	GW03	3/10/2024	520.00
Sulfate	mg/L	GW01	19/11/2024	450.00
Sulfate	mg/L	GW02	19/11/2024	150.00
Sulfate	mg/L	GW03	19/11/2024	490.00
Sulfate	mg/L	GW04A	19/11/2024	320
Sulfate	mg/L	GW01	10/12/2024	450.00
Sulfate	mg/L	GW02	10/12/2024	190.00
Sulfate	mg/L	GW03	10/12/2024	480.00
Sulfate	mg/L	GW04A	10/12/2024	400
Thorium Th	mg/L	GW01	16/01/2024	<0.002
Thorium Th	mg/L	GW02	16/01/2024	<0.002
Thorium Th	mg/L	GW03	16/01/2024	<0.002
Thorium Th	mg/L	GW05	17/01/2024	<0.002
Thorium Th	mg/L	GW04	17/01/2024	<0.002
Thorium Th	mg/L	WRK300	17/01/2024	<0.002
Thorium Th	mg/L	IWB2	18/01/2024	<0.002
Thorium Th	mg/L	IWB6	18/01/2024	<0.002
Thorium Th	mg/L	BW05	18/01/2024	<0.002
Thorium Th	mg/L	BW28A	18/01/2024	<0.002
Thorium Th	mg/L	WRK302	23/01/2024	<0.002
Thorium Th	mg/L	GW06	23/01/2024	<0.002
Thorium Th	mg/L	GW08	23/01/2024	0.006
Thorium Th	mg/L	GW07	23/01/2024	0.003
Thorium Th	mg/L	WRK301	24/01/2024	0.003
Thorium Th	mg/L	BW45B	24/01/2024	<0.02
Thorium Th	mg/L	BW36A	24/01/2024	<0.002
Thorium Th	mg/L	GW01	10/07/2024	<0.002
Thorium Th	mg/L	GW03	10/07/2024	<0.002
Thorium Th	mg/L	GW02	10/07/2024	<0.002
Thorium Th	mg/L	WRK302	11/07/2024	<0.002
Thorium Th	mg/L	GW06	11/07/2024	<0.002
Thorium Th	mg/L	GW07	15/07/2024	<0.002
Thorium Th	mg/L	IWB6	16/07/2024	<0.002
Thorium Th	mg/L	IWB2	16/07/2024	<0.002
Thorium Th	mg/L	BW05	16/07/2024	<0.002
Thorium Th	mg/L	BW28A	17/07/2024	<0.002
Thorium Th	mg/L	BW45B	18/07/2024	0.002
Thorium Th	mg/L	GW05	18/07/2024	<0.002
Thorium Th	mg/L	GW04	22/07/2024	<0.002

Variable	Unit	Sample Point	Date	Result
Thorium Th	mg/L	WRK300	22/07/2024	0.003
Thorium Th	mg/L	BW36A	22/07/2024	<0.002
Thorium Th	mg/L	WRK301	24/07/2024	<0.002
Thorium Th	mg/L	BW45B	20/08/2024	<0.002
Thorium Th	mg/L	GW06	22/08/2024	<0.002
Thorium Th	mg/L	GW01	16/01/2024	<0.002
Thorium Th	mg/L	GW02	16/01/2024	<0.002
Thorium Th	mg/L	GW03	16/01/2024	<0.002
Thorium Th	mg/L	GW05	17/01/2024	<0.002
Thorium Th	mg/L	GW04	17/01/2024	<0.002
Thorium Th	mg/L	WRK300	17/01/2024	<0.002
Thorium Th	mg/L	IWB2	18/01/2024	<0.002
Thorium Th	mg/L	IWB6	18/01/2024	<0.002
Thorium Th	mg/L	BW05	18/01/2024	<0.002
Thorium Th	mg/L	BW28A	18/01/2024	<0.002
Thorium Th	mg/L	WRK302	23/01/2024	<0.002
Thorium Th	mg/L	GW06	23/01/2024	<0.002
Thorium Th	mg/L	GW08	23/01/2024	0.006
Thorium Th	mg/L	GW07	23/01/2024	0.003
Thorium Th	mg/L	WRK301	24/01/2024	0.003
Thorium Th	mg/L	BW45B	24/01/2024	<0.02
Thorium Th	mg/L	BW36A	24/01/2024	<0.002
Thorium Th	mg/L	GW01	10/07/2024	<0.002
Thorium Th	mg/L	GW03	10/07/2024	<0.002
Thorium Th	mg/L	GW02	10/07/2024	<0.002
Thorium Th	mg/L	WRK302	11/07/2024	<0.002
Thorium Th	mg/L	GW06	11/07/2024	<0.002
Thorium Th	mg/L	GW07	15/07/2024	<0.002
Thorium Th	mg/L	IWB6	16/07/2024	<0.002
Thorium Th	mg/L	IWB2	16/07/2024	<0.002
Thorium Th	mg/L	BW05	16/07/2024	<0.002
Thorium Th	mg/L	BW28A	17/07/2024	<0.002
Thorium Th	mg/L	BW45B	18/07/2024	0.002
Thorium Th	mg/L	GW05	18/07/2024	<0.002
Thorium Th	mg/L	GW04	22/07/2024	<0.002
Thorium Th	mg/L	WRK300	22/07/2024	0.003
Thorium Th	mg/L	BW36A	22/07/2024	<0.002
Thorium Th	mg/L	WRK301	24/07/2024	<0.002
Thorium Th	mg/L	BW45B	20/08/2024	<0.002
Thorium Th	mg/L	GW06	22/08/2024	<0.002
Total Anions	mg/L	GW01	16/01/2024	110
Total Anions	mg/L	GW02	16/01/2024	44
Total Anions	mg/L	GW03	16/01/2024	100
Total Anions	mg/L	GW05	17/01/2024	88
Total Anions	mg/L	GW04	17/01/2024	78
Total Anions	mg/L	WRK300	17/01/2024	53
Total Anions	mg/L	IWB2	18/01/2024	32
Total Anions	mg/L	IWB6	18/01/2024	14
Total Anions	mg/L	BW05	18/01/2024	280
Total Anions	mg/L	BW28A	18/01/2024	220
Total Anions	mg/L	WRK302	23/01/2024	200
Total Anions	mg/L	GW06	23/01/2024	210
Total Anions	mg/L	GW08	23/01/2024	220
Total Anions	mg/L	GW07	23/01/2024	180
Total Anions	mg/L	WRK301	24/01/2024	110
Total Anions	mg/L	BW45B	24/01/2024	170
Total Anions	mg/L	BW36A	24/01/2024	91
Total Anions	mg/L	GW01	10/07/2024	100

Variable	Unit	Sample Point	Date	Result
Total Anions	mg/L	GW03	10/07/2024	110
Total Anions	mg/L	GW02	10/07/2024	50
Total Anions	mg/L	WRK302	11/07/2024	200
Total Anions	mg/L	GW06	11/07/2024	220
Total Anions	mg/L	GW07	15/07/2024	180
Total Anions	mg/L	IWB6	16/07/2024	14
Total Anions	mg/L	IWB2	16/07/2024	32
Total Anions	mg/L	BW05	16/07/2024	260
Total Anions	mg/L	BW28A	17/07/2024	230
Total Anions	mg/L	BW45B	18/07/2024	180
Total Anions	mg/L	GW05	18/07/2024	94
Total Anions	mg/L	GW04	22/07/2024	78
Total Anions	mg/L	WRK300	22/07/2024	54
Total Anions	mg/L	BW36A	22/07/2024	94
Total Anions	mg/L	WRK301	24/07/2024	100
Total Anions	mg/L	BW45B	20/08/2024	100
Total Anions	mg/L	GW06	22/08/2024	220
Total Cations	mg/L	GW01	16/01/2024	110
Total Cations	mg/L	GW02	16/01/2024	44
Total Cations	mg/L	GW03	16/01/2024	110
Total Cations	mg/L	GW05	17/01/2024	89
Total Cations	mg/L	GW04	17/01/2024	76
Total Cations	mg/L	WRK300	17/01/2024	52
Total Cations	mg/L	IWB2	18/01/2024	29
Total Cations	mg/L	IWB6	18/01/2024	14
Total Cations	mg/L	BW05	18/01/2024	290
Total Cations	mg/L	BW28A	18/01/2024	220
Total Cations	mg/L	WRK302	23/01/2024	190
Total Cations	mg/L	GW06	23/01/2024	220
Total Cations	mg/L	GW08	23/01/2024	220
Total Cations	mg/L	GW07	23/01/2024	180
Total Cations	mg/L	WRK301	24/01/2024	110
Total Cations	mg/L	BW45B	24/01/2024	170
Total Cations	mg/L	BW36A	24/01/2024	95
Total Cations	mg/L	GW01	10/07/2024	100
Total Cations	mg/L	GW03	10/07/2024	110
Total Cations	mg/L	GW02	10/07/2024	52
Total Cations	mg/L	WRK302	11/07/2024	200
Total Cations	mg/L	GW06	11/07/2024	200
Total Cations	mg/L	GW07	15/07/2024	190
Total Cations	mg/L	IWB6	16/07/2024	14
Total Cations	mg/L	IWB2	16/07/2024	32
Total Cations	mg/L	BW05	16/07/2024	270
Total Cations	mg/L	BW28A	17/07/2024	230
Total Cations	mg/L	BW45B	18/07/2024	170
Total Cations	mg/L	GW05	18/07/2024	98
Total Cations	mg/L	GW04	22/07/2024	79
Total Cations	mg/L	WRK300	22/07/2024	59
Total Cations	mg/L	BW36A	22/07/2024	100
Total Cations	mg/L	WRK301	24/07/2024	110
Total Cations	mg/L	BW45B	20/08/2024	110
Total Cations	mg/L	GW06	22/08/2024	220
Total Dissolved Solids	mg/L	GW01	16/01/2024	6700.00
Total Dissolved Solids	mg/L	GW02	16/01/2024	3149.00
Total Dissolved Solids	mg/L	GW03	16/01/2024	6900
Total Dissolved Solids	mg/L	GW04A	16/01/2024	4700
Total Dissolved Solids	mg/L	GW04	17/01/2024	5226.00
Total Dissolved Solids	mg/L	GW05	17/01/2024	5600.00

Variable	Unit	Sample Point	Date	Result
Total Dissolved Solids	mg/L	WRK300	17/01/2024	3400.00
Total Dissolved Solids	mg/L	BW05	18/01/2024	17000.00
Total Dissolved Solids	mg/L	BW28A	18/01/2024	14000
Total Dissolved Solids	mg/L	IWB2	18/01/2024	2100.00
Total Dissolved Solids	mg/L	IWB6	18/01/2024	1100.00
Total Dissolved Solids	mg/L	GW06	23/01/2024	15000.00
Total Dissolved Solids	mg/L	GW07	23/01/2024	11390.00
Total Dissolved Solids	mg/L	GW08	23/01/2024	15000.00
Total Dissolved Solids	mg/L	WRK302	23/01/2024	13000.00
Total Dissolved Solids	mg/L	BW36A	24/01/2024	5400
Total Dissolved Solids	mg/L	BW45B	24/01/2024	11000
Total Dissolved Solids	mg/L	WRK301	24/01/2024	6900.00
Total Dissolved Solids	mg/L	GW02	1/02/2024	3953.00
Total Dissolved Solids	mg/L	GW03	1/02/2024	7200
Total Dissolved Solids	mg/L	GW01	20/02/2024	7200.00
Total Dissolved Solids	mg/L	GW04A	20/02/2024	4600
Total Dissolved Solids	mg/L	GW01	19/03/2024	7000.00
Total Dissolved Solids	mg/L	GW02	19/03/2024	3484.00
Total Dissolved Solids	mg/L	GW03	19/03/2024	7000
Total Dissolved Solids	mg/L	GW04A	19/03/2024	3300
Total Dissolved Solids	mg/L	GW01	16/04/2024	6600.00
Total Dissolved Solids	mg/L	GW02	16/04/2024	3752.00
Total Dissolved Solids	mg/L	GW03	16/04/2024	6700
Total Dissolved Solids	mg/L	GW04A	16/04/2024	4600
Total Dissolved Solids	mg/L	GW01	21/05/2024	6700.00
Total Dissolved Solids	mg/L	GW02	21/05/2024	3752.00
Total Dissolved Solids	mg/L	GW03	21/05/2024	6900
Total Dissolved Solids	mg/L	GW04A	21/05/2024	4000
Total Dissolved Solids	mg/L	GW01	19/06/2024	6700.00
Total Dissolved Solids	mg/L	GW02	19/06/2024	3685.00
Total Dissolved Solids	mg/L	GW03	19/06/2024	6800
Total Dissolved Solids	mg/L	GW04A	19/06/2024	4000
Total Dissolved Solids	mg/L	GW01	10/07/2024	6500.00
Total Dissolved Solids	mg/L	GW02	10/07/2024	3350.00
Total Dissolved Solids	mg/L	GW03	10/07/2024	6400
Total Dissolved Solids	mg/L	GW04A	10/07/2024	3500
Total Dissolved Solids	mg/L	GW06	11/07/2024	13000.00
Total Dissolved Solids	mg/L	WRK302	11/07/2024	12000.00
Total Dissolved Solids	mg/L	GW07	15/07/2024	11000.00
Total Dissolved Solids	mg/L	BW05	16/07/2024	15000.00
Total Dissolved Solids	mg/L	IWB2	16/07/2024	2000.00
Total Dissolved Solids	mg/L	IWB6	16/07/2024	1100.00
Total Dissolved Solids	mg/L	BW28A	17/07/2024	13000
Total Dissolved Solids	mg/L	GW05	18/07/2024	5600.00
Total Dissolved Solids	mg/L	BW45B	18/07/2024	10000
Total Dissolved Solids	mg/L	GW04	22/07/2024	4700.00
Total Dissolved Solids	mg/L	BW36A	22/07/2024	5300
Total Dissolved Solids	mg/L	WRK300	22/07/2024	3300.00
Total Dissolved Solids	mg/L	WRK301	24/07/2024	6100.00
Total Dissolved Solids	mg/L	GW01	20/08/2024	12000.00
Total Dissolved Solids	mg/L	BW45B	20/08/2024	6500
Total Dissolved Solids	mg/L	GW02	21/08/2024	3283.00
Total Dissolved Solids	mg/L	GW03	21/08/2024	7000
Total Dissolved Solids	mg/L	GW04A	21/08/2024	4400
Total Dissolved Solids	mg/L	GW06	22/08/2024	14000
Total Dissolved Solids	mg/L	GW01	17/09/2024	6800.00
Total Dissolved Solids	mg/L	GW02	17/09/2024	3100.00
Total Dissolved Solids	mg/L	GW03	17/09/2024	6800

Variable	Unit	Sample Point	Date	Result
Total Dissolved Solids	mg/L	GW04A	17/09/2024	4100
Total Dissolved Solids	mg/L	GW04A	2/10/2024	3200
Total Dissolved Solids	mg/L	GW01	3/10/2024	6600.00
Total Dissolved Solids	mg/L	GW02	3/10/2024	2900.00
Total Dissolved Solids	mg/L	GW03	3/10/2024	6600
Total Dissolved Solids	mg/L	GW01	19/11/2024	7300.00
Total Dissolved Solids	mg/L	GW02	19/11/2024	3200.00
Total Dissolved Solids	mg/L	GW03	19/11/2024	7200
Total Dissolved Solids	mg/L	GW04A	19/11/2024	5100
Total Dissolved Solids	mg/L	GW01	10/12/2024	7400.00
Total Dissolved Solids	mg/L	GW02	10/12/2024	3200.00
Total Dissolved Solids	mg/L	GW03	10/12/2024	7400
Total Dissolved Solids	mg/L	GW04A	10/12/2024	5100
Uranium (Total)	mg/L	GW01	16/01/2024	0.0017
Uranium (Total)	mg/L	GW02	16/01/2024	<0.0001
Uranium (Total)	mg/L	GW03	16/01/2024	0.0002
Uranium (Total)	mg/L	GW04A	16/01/2024	<0.0001
Uranium (Total)	mg/L	GW04	17/01/2024	<0.001
Uranium (Total)	mg/L	GW05	17/01/2024	<0.0001
Uranium (Total)	mg/L	WRK300	17/01/2024	<0.001
Uranium (Total)	mg/L	BW05	18/01/2024	0.0043
Uranium (Total)	mg/L	BW28A	18/01/2024	0.0093
Uranium (Total)	mg/L	IWB2	18/01/2024	<0.0001
Uranium (Total)	mg/L	IWB6	18/01/2024	<0.001
Uranium (Total)	mg/L	GW06	23/01/2024	0.0039
Uranium (Total)	mg/L	GW07	23/01/2024	0.0005
Uranium (Total)	mg/L	GW08	23/01/2024	0.0014
Uranium (Total)	mg/L	WRK302	23/01/2024	<0.001
Uranium (Total)	mg/L	BW36A	24/01/2024	0.0004
Uranium (Total)	mg/L	BW45B	24/01/2024	0.0290
Uranium (Total)	mg/L	WRK301	24/01/2024	0.0050
Uranium (Total)	mg/L	GW02	1/02/2024	<0.0001
Uranium (Total)	mg/L	GW03	1/02/2024	0.0003
Uranium (Total)	mg/L	GW01	20/02/2024	0.0025
Uranium (Total)	mg/L	GW04A	20/02/2024	<0.0001
Uranium (Total)	mg/L	GW01	19/03/2024	0.0016
Uranium (Total)	mg/L	GW02	19/03/2024	<0.002
Uranium (Total)	mg/L	GW03	19/03/2024	0.0002
Uranium (Total)	mg/L	GW04A	19/03/2024	<0.0001
Uranium (Total)	mg/L	GW01	16/04/2024	0.0026
Uranium (Total)	mg/L	GW02	16/04/2024	<0.002
Uranium (Total)	mg/L	GW03	16/04/2024	0.0003
Uranium (Total)	mg/L	GW04A	16/04/2024	<0.0001
Uranium (Total)	mg/L	GW01	21/05/2024	0.0024
Uranium (Total)	mg/L	GW02	21/05/2024	<0.002
Uranium (Total)	mg/L	GW03	21/05/2024	0.0002
Uranium (Total)	mg/L	GW04A	21/05/2024	<0.0001
Uranium (Total)	mg/L	GW01	19/06/2024	0.0024
Uranium (Total)	mg/L	GW02	19/06/2024	<0.0001
Uranium (Total)	mg/L	GW03	19/06/2024	0.0004
Uranium (Total)	mg/L	GW04A	19/06/2024	<0.0001
Uranium (Total)	mg/L	GW01	10/07/2024	0.0023
Uranium (Total)	mg/L	GW02	10/07/2024	<0.0001
Uranium (Total)	mg/L	GW03	10/07/2024	0.0004
Uranium (Total)	mg/L	GW04A	10/07/2024	<0.0001
Uranium (Total)	mg/L	GW06	11/07/2024	0.0040
Uranium (Total)	mg/L	WRK302	11/07/2024	<0.001
Uranium (Total)	mg/L	GW07	15/07/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Uranium (Total)	mg/L	BW05	16/07/2024	0.0040
Uranium (Total)	mg/L	IWB2	16/07/2024	<0.0001
Uranium (Total)	mg/L	IWB6	16/07/2024	<0.001
Uranium (Total)	mg/L	BW28A	17/07/2024	0.01
Uranium (Total)	mg/L	GW05	18/07/2024	<0.001
Uranium (Total)	mg/L	BW45B	18/07/2024	0.0260
Uranium (Total)	mg/L	GW04	22/07/2024	<0.001
Uranium (Total)	mg/L	BW36A	22/07/2024	<0.001
Uranium (Total)	mg/L	WRK300	22/07/2024	<0.001
Uranium (Total)	mg/L	WRK301	24/07/2024	0.0050
Uranium (Total)	mg/L	GW01	20/08/2024	0.0015
Uranium (Total)	mg/L	BW45B	20/08/2024	0.0280
Uranium (Total)	mg/L	GW02	21/08/2024	<0.0005
Uranium (Total)	mg/L	GW03	21/08/2024	<0.0005
Uranium (Total)	mg/L	GW04A	21/08/2024	<0.0005
Uranium (Total)	mg/L	GW06	22/08/2024	0.005
Uranium (Total)	mg/L	GW01	17/09/2024	0.0024
Uranium (Total)	mg/L	GW02	17/09/2024	<0.0001
Uranium (Total)	mg/L	GW03	17/09/2024	0.0002
Uranium (Total)	mg/L	GW04A	17/09/2024	<0.0001
Uranium (Total)	mg/L	GW04A	2/10/2024	<0.0001
Uranium (Total)	mg/L	GW01	3/10/2024	0.0017
Uranium (Total)	mg/L	GW02	3/10/2024	<0.0001
Uranium (Total)	mg/L	GW03	3/10/2024	0.0002
Uranium (Total)	mg/L	GW01	19/11/2024	0.0019
Uranium (Total)	mg/L	GW02	19/11/2024	<0.0001
Uranium (Total)	mg/L	GW03	19/11/2024	0.0002
Uranium (Total)	mg/L	GW04A	19/11/2024	<0.0001
Uranium (Total)	mg/L	GW01	10/12/2024	0.0014
Uranium (Total)	mg/L	GW02	10/12/2024	<0.0001
Uranium (Total)	mg/L	GW03	10/12/2024	0.0002
Uranium (Total)	mg/L	GW04A	10/12/2024	<0.0001
Uranium 238	Bq/L	GW01	16/01/2024	0.0210
Uranium 238	Bq/L	GW02	16/01/2024	<0.001
Uranium 238	Bq/L	GW03	16/01/2024	0.0020
Uranium 238	Bq/L	GW04A	16/01/2024	<0.001
Uranium 238	Bq/L	GW04	17/01/2024	< 0.001
Uranium 238	Bq/L	GW05	17/01/2024	<0.001
Uranium 238	Bq/L	WRK300	17/01/2024	<0.001
Uranium 238	Bq/L	BW05	18/01/2024	0.0530
Uranium 238	Bq/L	BW28A	18/01/2024	0.1200
Uranium 238	Bq/L	IWB2	18/01/2024	<0.001
Uranium 238	Bq/L	IWB6	18/01/2024	0.0020
Uranium 238	Bq/L	GW06	23/01/2024	0.0480
Uranium 238	Bq/L	GW07	23/01/2024	0.0060
Uranium 238	Bq/L	GW08	23/01/2024	0.0170
Uranium 238	Bq/L	WRK302	23/01/2024	0.0100
Uranium 238	Bq/L	BW36A	24/01/2024	0.005
Uranium 238	Bq/L	BW45B	24/01/2024	0.3600
Uranium 238	Bq/L	WRK301	24/01/2024	0.0580
Uranium 238	Bq/L	GW02	1/02/2024	<0.001
Uranium 238	Bq/L	GW03	1/02/2024	0.0040
Uranium 238	Bq/L	GW01	20/02/2024	0.0310
Uranium 238	Bq/L	GW04A	20/02/2024	<0.001
Uranium 238	Bq/L	GW01	19/03/2024	0.0200
Uranium 238	Bq/L	GW02	19/03/2024	0.02
Uranium 238	Bq/L	GW03	19/03/2024	0.0020
Uranium 238	Bq/L	GW04A	19/03/2024	<0.001

Variable	Unit	Sample Point	Date	Result
Uranium 238	Bq/L	GW01	16/04/2024	0.0320
Uranium 238	Bq/L	GW02	16/04/2024	0.03
Uranium 238	Bq/L	GW03	16/04/2024	0.0020
Uranium 238	Bq/L	GW04A	16/04/2024	<0.001
Uranium 238	Bq/L	GW01	21/05/2024	0.0300
Uranium 238	Bq/L	GW02	21/05/2024	0.03
Uranium 238	Bq/L	GW03	21/05/2024	0.0020
Uranium 238	Bq/L	GW04A	21/05/2024	<0.001
Uranium 238	Bq/L	GW01	19/06/2024	0.0300
Uranium 238	Bq/L	GW02	19/06/2024	0.03
Uranium 238	Bq/L	GW03	19/06/2024	0.0050
Uranium 238	Bq/L	GW04A	19/06/2024	<0.001
Uranium 238	Bq/L	GW01	10/07/2024	0.0290
Uranium 238	Bq/L	GW02	10/07/2024	<0.001
Uranium 238	Bq/L	GW03	10/07/2024	0.0050
Uranium 238	Bq/L	GW04A	10/07/2024	<0.001
Uranium 238	Bq/L	GW06	11/07/2024	0.0480
Uranium 238	Bq/L	WRK302	11/07/2024	0.0090
Uranium 238	Bq/L	GW07	15/07/2024	0.0062
Uranium 238	Bq/L	BW05	16/07/2024	0.0550
Uranium 238	Bq/L	IWB2	16/07/2024	0.0010
Uranium 238	Bq/L	IWB6	16/07/2024	0.0020
Uranium 238	Bq/L	BW28A	17/07/2024	0.1200
Uranium 238	Bq/L	GW05	18/07/2024	0.0020
Uranium 238	Bq/L	BW45B	18/07/2024	0.3200
Uranium 238	Bq/L	GW04	22/07/2024	< 0.006
Uranium 238	Bq/L	BW36A	22/07/2024	<0.006
Uranium 238	Bq/L	WRK300	22/07/2024	0.0060
Uranium 238	Bq/L	WRK301	24/07/2024	0.0600
Uranium 238	Bq/L	GW01	20/08/2024	0.0190
Uranium 238	Bq/L	BW45B	20/08/2024	0.1230
Uranium 238	Bq/L	GW02	21/08/2024	<0.006
Uranium 238	Bq/L	GW03	21/08/2024	<0.006
Uranium 238	Bq/L	GW04A	21/08/2024	<0.006
Uranium 238	Bq/L	GW01	17/09/2024	0.0300
Uranium 238	Bq/L	GW02	17/09/2024	<0.001
Uranium 238	Bq/L	GW03	17/09/2024	0.0020
Uranium 238	Bq/L	GW04A	17/09/2024	<0.001
Uranium 238	Bq/L	GW04A	2/10/2024	<0.001
Uranium 238	Bq/L	GW01	3/10/2024	0.0210
Uranium 238	Bq/L	GW02	3/10/2024	<0.001
Uranium 238	Bq/L	GW03	3/10/2024	0.0020
Uranium 238	Bq/L	GW01	19/11/2024	0.0240
Uranium 238	Bq/L	GW02	19/11/2024	<0.001
Uranium 238	Bq/L	GW03	19/11/2024	0.0020
Uranium 238	Bq/L	GW04A	19/11/2024	<0.001
Uranium 238	Bq/L	GW01	10/12/2024	0.0170
Uranium 238	Bq/L	GW02	10/12/2024	<0.001
Uranium 238	Bq/L	GW03	10/12/2024	0.0020
Uranium 238	Bq/L	GW04A	10/12/2024	<0.001
Zinc (Total)	mg/L	GW01	16/01/2024	0.1300
Zinc (Total)	mg/L	GW04A	16/01/2024	0.12
Zinc (Total)	mg/L	GW02	16/01/2024	0.06
Zinc (Total)	mg/L	GW03	16/01/2024	0.0610
Zinc (Total)	mg/L	WRK300	17/01/2024	0.1600
Zinc (Total)	mg/L	GW04	17/01/2024	0.0700
Zinc (Total)	mg/L	GW05	17/01/2024	0.0670
Zinc (Total)	mg/L	IWB6	18/01/2024	0.0160

Variable	Unit	Sample Point	Date	Result
Zinc (Total)	mg/L	BW05	18/01/2024	0.0090
Zinc (Total)	mg/L	IWB2	18/01/2024	0.0140
Zinc (Total)	mg/L	BW28A	18/01/2024	0.026
Zinc (Total)	mg/L	GW08	23/01/2024	0.0170
Zinc (Total)	mg/L	GW06	23/01/2024	0.0150
Zinc (Total)	mg/L	WRK302	23/01/2024	0.0260
Zinc (Total)	mg/L	GW07	23/01/2024	0.0160
Zinc (Total)	mg/L	BW36A	24/01/2024	0.31
Zinc (Total)	mg/L	BW45B	24/01/2024	0.3700
Zinc (Total)	mg/L	WRK301	24/01/2024	0.0530
Zinc (Total)	mg/L	GW01	10/07/2024	0.0210
Zinc (Total)	mg/L	GW02	10/07/2024	0.01
Zinc (Total)	mg/L	GW03	10/07/2024	0.0200
Zinc (Total)	mg/L	GW04A	10/07/2024	0.005
Zinc (Total)	mg/L	WRK302	11/07/2024	0.0140
Zinc (Total)	mg/L	GW06	11/07/2024	0.0100
Zinc (Total)	mg/L	GW07	15/07/2024	0.0190
Zinc (Total)	mg/L	IWB6	16/07/2024	0.0140
Zinc (Total)	mg/L	BW05	16/07/2024	0.0090
Zinc (Total)	mg/L	IWB2	16/07/2024	0.0130
Zinc (Total)	mg/L	BW28A	17/07/2024	0.023
Zinc (Total)	mg/L	BW45B	18/07/2024	0.2500
Zinc (Total)	mg/L	GW05	18/07/2024	0.0660
Zinc (Total)	mg/L	GW04	22/07/2024	0.0280
Zinc (Total)	mg/L	WRK300	22/07/2024	0.0190
Zinc (Total)	mg/L	BW36A	22/07/2024	0.019
Zinc (Total)	mg/L	WRK301	24/07/2024	0.0250
Zinc (Total)	mg/L	BW45B	20/08/2024	0.1600
Zinc (Total)	mg/L	GW06	22/08/2024	0.064

Appendix C: Monitoring Data (Field) – Groundwater

Variable	Unit	Sample Point	Date	Result
Dissolved Oxygen	%	DG_A PZ_GW04A	16/01/2024	59
Dissolved Oxygen	%	DG_A PZ_GW01	16/01/2024	59
Dissolved Oxygen	%	DG_A PZ_GW02	16/01/2024	0
Dissolved Oxygen	%	DG_A PZ_GW03	16/01/2024	5
Dissolved Oxygen	%	DG_A PZ_GW05	17/01/2024	13
Dissolved Oxygen	%	DG_A PZ_GW04	17/01/2024	85
Dissolved Oxygen	%	DG_A PZ_WRK300	17/01/2024	65
Dissolved Oxygen	%	DG_A PZ_IWB2	18/01/2024	0
Dissolved Oxygen	%	DG_A PZ_IWB6	18/01/2024	41
Dissolved Oxygen	%	DG_A PZ_BW05	18/01/2024	1
Dissolved Oxygen	%	DG_A PZ_BW28A	18/01/2024	0
Dissolved Oxygen	%	DG_A PZ_WRK302	23/01/2024	49
Dissolved Oxygen	%	DG_A PZ_GW06	23/01/2024	80
Dissolved Oxygen	%	DG_A PZ_GW08	23/01/2024	57
Dissolved Oxygen	%	DG_A PZ_GW07	23/01/2024	80
Dissolved Oxygen	%	DG_A PZ_WRK301	24/01/2024	20
Dissolved Oxygen	%	DG_A PZ_BW45B	24/01/2024	28
Dissolved Oxygen	%	DG_A PZ_BW36A	24/01/2024	7
Dissolved Oxygen	%	DG_A PZ_GW03	1/02/2024	13
Dissolved Oxygen	%	DG_A PZ_GW02	1/02/2024	1
Dissolved Oxygen	%	DG_A PZ_GW04A	20/02/2024	39
Dissolved Oxygen	%	DG_A PZ_GW01	20/02/2024	59
Dissolved Oxygen	%	DG_A PZ_GW04A	16/04/2024	36
Dissolved Oxygen	%	DG_A PZ_GW01	16/04/2024	55
Dissolved Oxygen	%	DG_A PZ_GW02	16/04/2024	0
Dissolved Oxygen	%	DG_A PZ_GW03	16/04/2024	18
Dissolved Oxygen	%	DG_A PZ_GW04A	21/05/2024	28
Dissolved Oxygen	%	DG_A PZ_GW01	21/05/2024	46
Dissolved Oxygen	%	DG_A PZ_GW02	21/05/2024	0
Dissolved Oxygen	%	DG_A PZ_GW03	21/05/2024	10
Dissolved Oxygen	%	DG_A PZ_GW04A	19/06/2024	22
Dissolved Oxygen	%	DG_A PZ_GW01	19/06/2024	52
Dissolved Oxygen	%	DG_A PZ_GW03	19/06/2024	7
Dissolved Oxygen	%	DG_A PZ_GW02	19/06/2024	0
Dissolved Oxygen	%	DG_A PZ_GW04A	10/07/2024	49
Dissolved Oxygen	%	DG_A PZ_GW01	10/07/2024	68
Dissolved Oxygen	%	DG_A PZ_GW03	10/07/2024	41
Dissolved Oxygen	%	DG_A PZ_GW02	10/07/2024	0
Dissolved Oxygen	%	DG_A PZ_WRK302	11/07/2024	52
Dissolved Oxygen	%	DG_A PZ_GW06	11/07/2024	96
Dissolved Oxygen	%	DG_A PZ_GW07	15/07/2024	96
Dissolved Oxygen	%	DG_A PZ_IWB6	16/07/2024	32
Dissolved Oxygen	%	DG_A PZ_IWB2	16/07/2024	0
Dissolved Oxygen	%	DG_A PZ_BW05	16/07/2024	4
Dissolved Oxygen	%	DG_A PZ_BW28A	17/07/2024	0
Dissolved Oxygen	%	DG_A PZ_BW45B	18/07/2024	17
Dissolved Oxygen	%	DG_A PZ_GW05	18/07/2024	46
Dissolved Oxygen	%	DG_A PZ_GW04	22/07/2024	75
Dissolved Oxygen	%	DG_A PZ_WRK300	22/07/2024	63
Dissolved Oxygen	%	DG_A PZ_BW36A	22/07/2024	12
Dissolved Oxygen	%	DG_A PZ_WRK301	24/07/2024	28
Dissolved Oxygen	%	DG_A PZ_BW45B	20/08/2024	35
Dissolved Oxygen	%	DG_A PZ_GW01	20/08/2024	60
Dissolved Oxygen	%	DG_A PZ_GW03	21/08/2024	7
Dissolved Oxygen	%	DG_A PZ_GW02	21/08/2024	1
Dissolved Oxygen	%	DG_A PZ_GW04A	21/08/2024	45
Dissolved Oxygen	%	DG_A PZ_GW06	22/08/2024	83
Dissolved Oxygen	%	DG_A PZ_GW04A	17/09/2024	44
Dissolved Oxygen	%	DG_A PZ_GW01	17/09/2024	47
Dissolved Oxygen	%	DG_A PZ_GW02	17/09/2024	2
Dissolved Oxygen	%	DG_A PZ_GW03	17/09/2024	9
Dissolved Oxygen	%	DG_A PZ_GW04A	2/10/2024	21
Dissolved Oxygen	%	DG_A PZ_GW01	3/10/2024	41
Dissolved Oxygen	%	DG_A PZ_GW03	3/10/2024	8
Dissolved Oxygen	%	DG_A PZ_GW02	3/10/2024	2
Dissolved Oxygen	%	DG_A PZ_GW04A	19/11/2024	40
Dissolved Oxygen	%	DG_A PZ_GW01	19/11/2024	37
Dissolved Oxygen	%	DG_A PZ_GW02	19/11/2024	4

Variable	Unit	Sample Point	Date	Result
Dissolved Oxygen	%	DG_A PZ_GW03	19/11/2024	5
Dissolved Oxygen	%	DG_A PZ_GW04A	10/12/2024	68
Dissolved Oxygen	%	DG_A PZ_GW01	10/12/2024	54
Dissolved Oxygen	%	DG_A PZ_GW02	10/12/2024	6
Dissolved Oxygen	%	DG_A PZ_GW03	10/12/2024	20
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	16/01/2024	7630
Electrical Conductivity	µS/cm	DG_A PZ_GW01	16/01/2024	10742
Electrical Conductivity	µS/cm	DG_A PZ_GW02	16/01/2024	4870
Electrical Conductivity	µS/cm	DG_A PZ_GW03	16/01/2024	10887
Electrical Conductivity	µS/cm	DG_A PZ_GW05	17/01/2024	9351
Electrical Conductivity	µS/cm	DG_A PZ_GW04	17/01/2024	8071
Electrical Conductivity	µS/cm	DG_A PZ_WRK300	17/01/2024	5812
Electrical Conductivity	µS/cm	DG_A PZ_IWB2	18/01/2024	3586
Electrical Conductivity	µS/cm	DG_A PZ_IWB6	18/01/2024	1633
Electrical Conductivity	µS/cm	DG_A PZ_BW05	18/01/2024	26369
Electrical Conductivity	µS/cm	DG_A PZ_BW28A	18/01/2024	21400
Electrical Conductivity	µS/cm	DG_A PZ_WRK302	23/01/2024	19229
Electrical Conductivity	µS/cm	DG_A PZ_GW06	23/01/2024	20440
Electrical Conductivity	µS/cm	DG_A PZ_GW08	23/01/2024	20761
Electrical Conductivity	µS/cm	DG_A PZ_GW07	23/01/2024	17970
Electrical Conductivity	µS/cm	DG_A PZ_WRK301	24/01/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_BW45B	24/01/2024	17547
Electrical Conductivity	µS/cm	DG_A PZ_BW36A	24/01/2024	9460
Electrical Conductivity	µS/cm	DG_A PZ_GW03	1/02/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	1/02/2024	5900
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	20/02/2024	7000
Electrical Conductivity	µS/cm	DG_A PZ_GW01	20/02/2024	10100
Electrical Conductivity	µS/cm	DG_A PZ_GW01	19/03/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	19/03/2024	5100
Electrical Conductivity	µS/cm	DG_A PZ_GW03	19/03/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	19/03/2024	5200
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	16/04/2024	7300
Electrical Conductivity	µS/cm	DG_A PZ_GW01	16/04/2024	9892
Electrical Conductivity	µS/cm	DG_A PZ_GW02	16/04/2024	5600
Electrical Conductivity	µS/cm	DG_A PZ_GW03	16/04/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	21/05/2024	6400
Electrical Conductivity	µS/cm	DG_A PZ_GW01	21/05/2024	10458
Electrical Conductivity	µS/cm	DG_A PZ_GW02	21/05/2024	5600
Electrical Conductivity	µS/cm	DG_A PZ_GW03	21/05/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	19/06/2024	6600
Electrical Conductivity	µS/cm	DG_A PZ_GW01	19/06/2024	10438
Electrical Conductivity	µS/cm	DG_A PZ_GW03	19/06/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	19/06/2024	5500
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	10/07/2024	5655
Electrical Conductivity	µS/cm	DG_A PZ_GW01	10/07/2024	10200
Electrical Conductivity	µS/cm	DG_A PZ_GW03	10/07/2024	9941
Electrical Conductivity	µS/cm	DG_A PZ_GW02	10/07/2024	5223
Electrical Conductivity	µS/cm	DG_A PZ_WRK302	11/07/2024	18000
Electrical Conductivity	µS/cm	DG_A PZ_GW06	11/07/2024	20000
Electrical Conductivity	µS/cm	DG_A PZ_GW07	15/07/2024	17464
Electrical Conductivity	µS/cm	DG_A PZ_IWB6	16/07/2024	1700
Electrical Conductivity	µS/cm	DG_A PZ_IWB2	16/07/2024	3441
Electrical Conductivity	µS/cm	DG_A PZ_BW05	16/07/2024	24000
Electrical Conductivity	µS/cm	DG_A PZ_BW28A	17/07/2024	21000
Electrical Conductivity	µS/cm	DG_A PZ_BW45B	18/07/2024	17000
Electrical Conductivity	µS/cm	DG_A PZ_GW05	18/07/2024	9600
Electrical Conductivity	µS/cm	DG_A PZ_GW04	22/07/2024	7912
Electrical Conductivity	µS/cm	DG_A PZ_WRK300	22/07/2024	5700
Electrical Conductivity	µS/cm	DG_A PZ_BW36A	22/07/2024	9400
Electrical Conductivity	µS/cm	DG_A PZ_WRK301	24/07/2024	10219
Electrical Conductivity	µS/cm	DG_A PZ_BW45B	20/08/2024	17040
Electrical Conductivity	µS/cm	DG_A PZ_GW01	20/08/2024	17000
Electrical Conductivity	µS/cm	DG_A PZ_GW03	21/08/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	21/08/2024	4900
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	21/08/2024	6600
Electrical Conductivity	µS/cm	DG_A PZ_GW06	22/08/2024	20000
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	17/09/2024	6500
Electrical Conductivity	µS/cm	DG_A PZ_GW01	17/09/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	17/09/2024	5200
Electrical Conductivity	µS/cm	DG_A PZ_GW03	17/09/2024	11000

Variable	Unit	Sample Point	Date	Result
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	2/10/2024	5400
Electrical Conductivity	µS/cm	DG_A PZ_GW01	3/10/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW03	3/10/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	3/10/2024	5000
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	19/11/2024	7700
Electrical Conductivity	µS/cm	DG_A PZ_GW01	19/11/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	19/11/2024	4800
Electrical Conductivity	µS/cm	DG_A PZ_GW03	19/11/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW04A	10/12/2024	7800
Electrical Conductivity	µS/cm	DG_A PZ_GW01	10/12/2024	11000
Electrical Conductivity	µS/cm	DG_A PZ_GW02	10/12/2024	5000
Electrical Conductivity	µS/cm	DG_A PZ_GW03	10/12/2024	11000
pH	pH units	DG_A PZ_GW04A	16/01/2024	6
pH	pH units	DG_A PZ_GW01	16/01/2024	5.5
pH	pH units	DG_A PZ_GW02	16/01/2024	5.6
pH	pH units	DG_A PZ_GW03	16/01/2024	6.2
pH	pH units	DG_A PZ_GW05	17/01/2024	6
pH	pH units	DG_A PZ_GW04	17/01/2024	5.7
pH	pH units	DG_A PZ_WRK300	17/01/2024	6.5
pH	pH units	DG_A PZ_IWB2	18/01/2024	5.6
pH	pH units	DG_A PZ_IWB6	18/01/2024	5.5
pH	pH units	DG_A PZ_BW05	18/01/2024	7
pH	pH units	DG_A PZ_BW28A	18/01/2024	6.6
pH	pH units	DG_A PZ_WRK302	23/01/2024	6
pH	pH units	DG_A PZ_GW06	23/01/2024	6.6
pH	pH units	DG_A PZ_GW08	23/01/2024	6.3
pH	pH units	DG_A PZ_GW07	23/01/2024	6.2
pH	pH units	DG_A PZ_WRK301	24/01/2024	7.1
pH	pH units	DG_A PZ_BW45B	24/01/2024	4
pH	pH units	DG_A PZ_BW36A	24/01/2024	6.3
pH	pH units	DG_A PZ_GW03	1/02/2024	6.2
pH	pH units	DG_A PZ_GW02	1/02/2024	5.6
pH	pH units	DG_A PZ_GW04A	20/02/2024	5.9
pH	pH units	DG_A PZ_GW01	20/02/2024	5.2
pH	pH units	DG_A PZ_GW01	19/03/2024	5.6
pH	pH units	DG_A PZ_GW04A	19/03/2024	6.3
pH	pH units	DG_A PZ_GW03	19/03/2024	6.2
pH	pH units	DG_A PZ_GW02	19/03/2024	6.3
pH	pH units	DG_A PZ_GW04A	16/04/2024	5.9
pH	pH units	DG_A PZ_GW01	16/04/2024	5.2
pH	pH units	DG_A PZ_GW02	16/04/2024	5.6
pH	pH units	DG_A PZ_GW03	16/04/2024	6.3
pH	pH units	DG_A PZ_GW04A	21/05/2024	6
pH	pH units	DG_A PZ_GW01	21/05/2024	5.1
pH	pH units	DG_A PZ_GW02	21/05/2024	5.6
pH	pH units	DG_A PZ_GW03	21/05/2024	6.2
pH	pH units	DG_A PZ_GW04A	19/06/2024	6
pH	pH units	DG_A PZ_GW01	19/06/2024	5.2
pH	pH units	DG_A PZ_GW03	19/06/2024	6.2
pH	pH units	DG_A PZ_GW02	19/06/2024	5.6
pH	pH units	DG_A PZ_GW04A	10/07/2024	6
pH	pH units	DG_A PZ_GW01	10/07/2024	5.2
pH	pH units	DG_A PZ_GW03	10/07/2024	6.3
pH	pH units	DG_A PZ_GW02	10/07/2024	5.6
pH	pH units	DG_A PZ_WRK302	11/07/2024	6
pH	pH units	DG_A PZ_GW06	11/07/2024	6.6
pH	pH units	DG_A PZ_GW07	15/07/2024	6.2
pH	pH units	DG_A PZ_IWB6	16/07/2024	5.6
pH	pH units	DG_A PZ_IWB2	16/07/2024	5.6
pH	pH units	DG_A PZ_BW05	16/07/2024	7.03
pH	pH units	DG_A PZ_BW28A	17/07/2024	6.6
pH	pH units	DG_A PZ_BW45B	18/07/2024	4.03
pH	pH units	DG_A PZ_GW05	18/07/2024	6
pH	pH units	DG_A PZ_GW04	22/07/2024	5.8
pH	pH units	DG_A PZ_WRK300	22/07/2024	6.32
pH	pH units	DG_A PZ_BW36A	22/07/2024	6.3
pH	pH units	DG_A PZ_WRK301	24/07/2024	7.2
pH	pH units	DG_A PZ_BW45B	20/08/2024	5.4
pH	pH units	DG_A PZ_GW01	20/08/2024	5.25
pH	pH units	DG_A PZ_GW03	21/08/2024	6.2

Variable	Unit	Sample Point	Date	Result
pH	pH units	DG_A PZ_GW02	21/08/2024	5.6
pH	pH units	DG_A PZ_GW04A	21/08/2024	5.9
pH	pH units	DG_A PZ_GW06	22/08/2024	6.74
pH	pH units	DG_A PZ_GW04A	17/09/2024	5.8
pH	pH units	DG_A PZ_GW01	17/09/2024	5.3
pH	pH units	DG_A PZ_GW02	17/09/2024	5.6
pH	pH units	DG_A PZ_GW03	17/09/2024	6.2
pH	pH units	DG_A PZ_GW04A	2/10/2024	6.2
pH	pH units	DG_A PZ_GW01	3/10/2024	5.5
pH	pH units	DG_A PZ_GW03	3/10/2024	6.2
pH	pH units	DG_A PZ_GW02	3/10/2024	6
pH	pH units	DG_A PZ_GW04A	19/11/2024	5.8
pH	pH units	DG_A PZ_GW01	19/11/2024	5.5
pH	pH units	DG_A PZ_GW02	19/11/2024	5.8
pH	pH units	DG_A PZ_GW03	19/11/2024	6.4
pH	pH units	DG_A PZ_GW04A	10/12/2024	5.9
pH	pH units	DG_A PZ_GW01	10/12/2024	5.4
pH	pH units	DG_A PZ_GW02	10/12/2024	5.6
pH	pH units	DG_A PZ_GW03	10/12/2024	6.2
Redox Potential (Eh)	mV	DG_A PZ_GW04A	16/01/2024	635
Redox Potential (Eh)	mV	DG_A PZ_GW01	16/01/2024	432
Redox Potential (Eh)	mV	DG_A PZ_GW02	16/01/2024	395
Redox Potential (Eh)	mV	DG_A PZ_GW03	16/01/2024	411
Redox Potential (Eh)	mV	DG_A PZ_GW05	17/01/2024	415
Redox Potential (Eh)	mV	DG_A PZ_GW04	17/01/2024	218
Redox Potential (Eh)	mV	DG_A PZ_WRK300	17/01/2024	176
Redox Potential (Eh)	mV	DG_A PZ_IWB2	18/01/2024	350
Redox Potential (Eh)	mV	DG_A PZ_IWB6	18/01/2024	282
Redox Potential (Eh)	mV	DG_A PZ_BW05	18/01/2024	-3
Redox Potential (Eh)	mV	DG_A PZ_BW28A	18/01/2024	255
Redox Potential (Eh)	mV	DG_A PZ_WRK302	23/01/2024	418
Redox Potential (Eh)	mV	DG_A PZ_GW06	23/01/2024	572
Redox Potential (Eh)	mV	DG_A PZ_GW08	23/01/2024	704
Redox Potential (Eh)	mV	DG_A PZ_GW07	23/01/2024	618
Redox Potential (Eh)	mV	DG_A PZ_WRK301	24/01/2024	230
Redox Potential (Eh)	mV	DG_A PZ_BW45B	24/01/2024	227
Redox Potential (Eh)	mV	DG_A PZ_BW36A	24/01/2024	10
Redox Potential (Eh)	mV	DG_A PZ_GW03	1/02/2024	640
Redox Potential (Eh)	mV	DG_A PZ_GW02	1/02/2024	532
Redox Potential (Eh)	mV	DG_A PZ_GW04A	20/02/2024	187
Redox Potential (Eh)	mV	DG_A PZ_GW01	20/02/2024	206
Redox Potential (Eh)	mV	DG_A PZ_GW01	19/03/2024	20.7
Redox Potential (Eh)	mV	DG_A PZ_GW04A	19/03/2024	2.5
Redox Potential (Eh)	mV	DG_A PZ_GW03	19/03/2024	15.7
Redox Potential (Eh)	mV	DG_A PZ_GW02	19/03/2024	3
Redox Potential (Eh)	mV	DG_A PZ_GW04A	16/04/2024	190
Redox Potential (Eh)	mV	DG_A PZ_GW01	16/04/2024	2.9
Redox Potential (Eh)	mV	DG_A PZ_GW02	16/04/2024	197
Redox Potential (Eh)	mV	DG_A PZ_GW03	16/04/2024	113
Redox Potential (Eh)	mV	DG_A PZ_GW04A	21/05/2024	190
Redox Potential (Eh)	mV	DG_A PZ_GW01	21/05/2024	250
Redox Potential (Eh)	mV	DG_A PZ_GW02	21/05/2024	232
Redox Potential (Eh)	mV	DG_A PZ_GW03	21/05/2024	147
Redox Potential (Eh)	mV	DG_A PZ_GW04A	19/06/2024	215
Redox Potential (Eh)	mV	DG_A PZ_GW01	19/06/2024	250
Redox Potential (Eh)	mV	DG_A PZ_GW03	19/06/2024	128
Redox Potential (Eh)	mV	DG_A PZ_GW02	19/06/2024	220
Redox Potential (Eh)	mV	DG_A PZ_GW04A	10/07/2024	202
Redox Potential (Eh)	mV	DG_A PZ_GW01	10/07/2024	168
Redox Potential (Eh)	mV	DG_A PZ_GW03	10/07/2024	143
Redox Potential (Eh)	mV	DG_A PZ_GW02	10/07/2024	134
Redox Potential (Eh)	mV	DG_A PZ_WRK302	11/07/2024	171
Redox Potential (Eh)	mV	DG_A PZ_GW06	11/07/2024	160
Redox Potential (Eh)	mV	DG_A PZ_GW07	15/07/2024	150
Redox Potential (Eh)	mV	DG_A PZ_IWB6	16/07/2024	151
Redox Potential (Eh)	mV	DG_A PZ_IWB2	16/07/2024	144
Redox Potential (Eh)	mV	DG_A PZ_BW05	16/07/2024	0
Redox Potential (Eh)	mV	DG_A PZ_BW28A	17/07/2024	-55
Redox Potential (Eh)	mV	DG_A PZ_BW45B	18/07/2024	150
Redox Potential (Eh)	mV	DG_A PZ_GW05	18/07/2024	136

Variable	Unit	Sample Point	Date	Result
Redox Potential (Eh)	mV	DG_A PZ_GW04	22/07/2024	177
Redox Potential (Eh)	mV	DG_A PZ_WRK300	22/07/2024	160
Redox Potential (Eh)	mV	DG_A PZ_BW36A	22/07/2024	56
Redox Potential (Eh)	mV	DG_A PZ_WRK301	24/07/2024	72
Redox Potential (Eh)	mV	DG_A PZ_BW45B	20/08/2024	255
Redox Potential (Eh)	mV	DG_A PZ_GW01	20/08/2024	210
Redox Potential (Eh)	mV	DG_A PZ_GW03	21/08/2024	185
Redox Potential (Eh)	mV	DG_A PZ_GW02	21/08/2024	173
Redox Potential (Eh)	mV	DG_A PZ_GW04A	21/08/2024	185
Redox Potential (Eh)	mV	DG_A PZ_GW06	22/08/2024	172
Redox Potential (Eh)	mV	DG_A PZ_GW04A	17/09/2024	197
Redox Potential (Eh)	mV	DG_A PZ_GW01	17/09/2024	218
Redox Potential (Eh)	mV	DG_A PZ_GW02	17/09/2024	207
Redox Potential (Eh)	mV	DG_A PZ_GW03	17/09/2024	164
Redox Potential (Eh)	mV	DG_A PZ_GW04A	2/10/2024	166
Redox Potential (Eh)	mV	DG_A PZ_GW01	3/10/2024	190
Redox Potential (Eh)	mV	DG_A PZ_GW03	3/10/2024	170
Redox Potential (Eh)	mV	DG_A PZ_GW02	3/10/2024	147
Redox Potential (Eh)	mV	DG_A PZ_GW04A	19/11/2024	125
Redox Potential (Eh)	mV	DG_A PZ_GW01	19/11/2024	152
Redox Potential (Eh)	mV	DG_A PZ_GW02	19/11/2024	134
Redox Potential (Eh)	mV	DG_A PZ_GW03	19/11/2024	126
Redox Potential (Eh)	mV	DG_A PZ_GW04A	10/12/2024	137
Redox Potential (Eh)	mV	DG_A PZ_GW01	10/12/2024	153
Redox Potential (Eh)	mV	DG_A PZ_GW02	10/12/2024	118
Redox Potential (Eh)	mV	DG_A PZ_GW03	10/12/2024	98
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	16/01/2024	24.33
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	16/01/2024	18.71
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	16/01/2024	15.79
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	16/01/2024	10.93
Standing Water Level (m BTOC)	m	DG_A PZ_GW05	17/01/2024	21.36
Standing Water Level (m BTOC)	m	DG_A PZ_GW04	17/01/2024	23.91
Standing Water Level (m BTOC)	m	DG_A PZ_WRK300	17/01/2024	24.22
Standing Water Level (m BTOC)	m	DG_A PZ_IWB2	18/01/2024	12.19
Standing Water Level (m BTOC)	m	DG_A PZ_IWB6	18/01/2024	1.7
Standing Water Level (m BTOC)	m	DG_A PZ_BW05	18/01/2024	5.24
Standing Water Level (m BTOC)	m	DG_A PZ_BW28A	18/01/2024	4.59
Standing Water Level (m BTOC)	m	DG_A PZ_WRK302	23/01/2024	13.41
Standing Water Level (m BTOC)	m	DG_A PZ_GW06	23/01/2024	13.09
Standing Water Level (m BTOC)	m	DG_A PZ_GW08	23/01/2024	13.44
Standing Water Level (m BTOC)	m	DG_A PZ_GW07	23/01/2024	16.27
Standing Water Level (m BTOC)	m	DG_A PZ_WRK301	24/01/2024	18.38
Standing Water Level (m BTOC)	m	DG_A PZ_BW45B	24/01/2024	19.6
Standing Water Level (m BTOC)	m	DG_A PZ_BW36A	24/01/2024	26.3
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	1/02/2024	11
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	1/02/2024	15.77
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	20/02/2024	24.33
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	20/02/2024	18.68
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	19/03/2024	18.32
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	19/03/2024	24.14
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	19/03/2024	10.5
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	19/03/2024	14.48
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	16/04/2024	24.19
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	16/04/2024	18.66
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	16/04/2024	15.47
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	16/04/2024	10.86
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	21/05/2024	24.2
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	21/05/2024	18.36
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	21/05/2024	15.51
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	21/05/2024	10.61
Standing Water Level (m BTOC)	m	DG_A PZ_BW05	9/05/2024	5.23
Standing Water Level (m BTOC)	m	DG_A PZ_BW23A	9/05/2024	16.92
Standing Water Level (m BTOC)	m	DG_A PZ_BW27	9/05/2024	4.35
Standing Water Level (m BTOC)	m	DG_A PZ_BW28A	9/05/2024	4.55
Standing Water Level (m BTOC)	m	DG_A PZ_BW30	9/05/2024	13.72
Standing Water Level (m BTOC)	m	DG_A PZ_BW32	9/05/2024	11.08
Standing Water Level (m BTOC)	m	DG_A PZ_BW36A	9/05/2024	26.28
Standing Water Level (m BTOC)	m	DG_A PZ_BW42	9/05/2024	14.02
Standing Water Level (m BTOC)	m	DG_A PZ_BW43	9/05/2024	10.87
Standing Water Level (m BTOC)	m	DG_A PZ_BW45B	9/05/2024	19.6

Variable	Unit	Sample Point	Date	Result
Standing Water Level (m BTOC)	m	DG_A PZ_GW04	13/05/2024	23.9
Standing Water Level (m BTOC)	m	DG_A PZ_GW05	13/05/2024	21.38
Standing Water Level (m BTOC)	m	DG_A PZ_GW06	13/05/2024	12.99
Standing Water Level (m BTOC)	m	DG_A PZ_GW07	13/05/2024	16.3
Standing Water Level (m BTOC)	m	DG_A PZ_GW08	13/05/2024	13.45
Standing Water Level (m BTOC)	m	DG_A PZ_GW09	13/05/2024	13.68
Standing Water Level (m BTOC)	m	DG_A PZ_IWB2	13/05/2024	12.2
Standing Water Level (m BTOC)	m	DG_A PZ_IWB6	13/05/2024	1.6
Standing Water Level (m BTOC)	m	DG_A PZ_WRK300	14/05/2024	24.28
Standing Water Level (m BTOC)	m	DG_A PZ_WRK301	14/05/2024	18.35
Standing Water Level (m BTOC)	m	DG_A PZ_WRK302	14/05/2024	13.4
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	19/06/2024	24.26
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	19/06/2024	18.42
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	19/06/2024	10.41
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	19/06/2024	15.46
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	10/07/2024	24.21
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	10/07/2024	18.3
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	10/07/2024	10.12
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	10/07/2024	15.49
Standing Water Level (m BTOC)	m	DG_A PZ_WRK302	11/07/2024	13.4
Standing Water Level (m BTOC)	m	DG_A PZ_GW06	11/07/2024	12.70
Standing Water Level (m BTOC)	m	DG_A PZ_GW07	15/07/2024	16.31
Standing Water Level (m BTOC)	m	DG_A PZ_IWB6	16/07/2024	1.56
Standing Water Level (m BTOC)	m	DG_A PZ_IWB2	16/07/2024	12.22
Standing Water Level (m BTOC)	m	DG_A PZ_BW05	16/07/2024	5.22
Standing Water Level (m BTOC)	m	DG_A PZ_BW28A	17/07/2024	4.48
Standing Water Level (m BTOC)	m	DG_A PZ_BW45B	18/07/2024	19.59
Standing Water Level (m BTOC)	m	DG_A PZ_GW05	18/07/2024	21.41
Standing Water Level (m BTOC)	m	DG_A PZ_GW04	22/07/2024	23.9
Standing Water Level (m BTOC)	m	DG_A PZ_WRK300	22/07/2024	24.3
Standing Water Level (m BTOC)	m	DG_A PZ_BW36A	22/07/2024	26.26
Standing Water Level (m BTOC)	m	DG_A PZ_WRK301	24/07/2024	18.32
Standing Water Level (m BTOC)	m	DG_A PZ_BW45B	20/08/2024	19.23
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	20/08/2024	18.22
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	21/08/2024	10.22
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	21/08/2024	15.44
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	21/08/2024	24.2
Standing Water Level (m BTOC)	m	DG_A PZ_GW06	22/08/2024	12.5
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	17/09/2024	24.18
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	17/09/2024	18.3
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	17/09/2024	15.4
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	17/09/2024	10.04
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	2/10/2024	24.2
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	3/10/2024	18.33
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	3/10/2024	10.24
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	3/10/2024	15.39
Standing Water Level (m BTOC)	m	DG_A PZ_BW32	8/10/2024	11.07
Standing Water Level (m BTOC)	m	DG_A PZ_BW36A	8/10/2024	26.55
Standing Water Level (m BTOC)	m	DG_A PZ_BW27	8/10/2024	4.3
Standing Water Level (m BTOC)	m	DG_A PZ_BW30	8/10/2024	13.78
Standing Water Level (m BTOC)	m	DG_A PZ_BW05	8/10/2024	5.21
Standing Water Level (m BTOC)	m	DG_A PZ_BW23A	8/10/2024	16.93
Standing Water Level (m BTOC)	m	DG_A PZ_BW42	8/10/2024	13.42
Standing Water Level (m BTOC)	m	DG_A PZ_BW43	8/10/2024	10.84
Standing Water Level (m BTOC)	m	DG_A PZ_BW28A	8/10/2024	4.45
Standing Water Level (m BTOC)	m	DG_A PZ_BW45B	8/10/2024	19.3
Standing Water Level (m BTOC)	m	DG_A PZ_GW09	13/10/2024	13.58
Standing Water Level (m BTOC)	m	DG_A PZ_GW06	13/10/2024	12.41
Standing Water Level (m BTOC)	m	DG_A PZ_GW08	13/10/2024	13.39
Standing Water Level (m BTOC)	m	DG_A PZ_GW04	13/10/2024	23.9
Standing Water Level (m BTOC)	m	DG_A PZ_IWB2	13/10/2024	12.18
Standing Water Level (m BTOC)	m	DG_A PZ_GW05	13/10/2024	21.37
Standing Water Level (m BTOC)	m	DG_A PZ_IWB6	13/10/2024	1.65
Standing Water Level (m BTOC)	m	DG_A PZ_WRK300	13/10/2024	24.27
Standing Water Level (m BTOC)	m	DG_A PZ_GW07	13/10/2024	16
Standing Water Level (m BTOC)	m	DG_A PZ_WRK302	14/10/2024	13.39
Standing Water Level (m BTOC)	m	DG_A PZ_WRK301	14/10/2024	18.37
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	19/11/2024	24.2
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	19/11/2024	18.3
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	19/11/2024	15.42

Variable	Unit	Sample Point	Date	Result
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	19/11/2024	10.39
Standing Water Level (m BTOC)	m	DG_A PZ_GW04A	10/12/2024	24.15
Standing Water Level (m BTOC)	m	DG_A PZ_GW01	10/12/2024	18.26
Standing Water Level (m BTOC)	m	DG_A PZ_GW02	10/12/2024	15.4
Standing Water Level (m BTOC)	m	DG_A PZ_GW03	10/12/2024	10.26
Temperature	°C	DG_A PZ_GW04A	16/01/2024	18.7
Temperature	°C	DG_A PZ_GW01	16/01/2024	18
Temperature	°C	DG_A PZ_GW02	16/01/2024	18.3
Temperature	°C	DG_A PZ_GW03	16/01/2024	18.7
Temperature	°C	DG_A PZ_GW05	17/01/2024	17.5
Temperature	°C	DG_A PZ_GW04	17/01/2024	17.7
Temperature	°C	DG_A PZ_WRK300	17/01/2024	18.5
Temperature	°C	DG_A PZ_IWB2	18/01/2024	17.8
Temperature	°C	DG_A PZ_IWB6	18/01/2024	16.5
Temperature	°C	DG_A PZ_BW05	18/01/2024	16.8
Temperature	°C	DG_A PZ_BW28A	18/01/2024	17.6
Temperature	°C	DG_A PZ_WRK302	23/01/2024	17.3
Temperature	°C	DG_A PZ_GW06	23/01/2024	17.7
Temperature	°C	DG_A PZ_GW08	23/01/2024	17.9
Temperature	°C	DG_A PZ_GW07	23/01/2024	18.4
Temperature	°C	DG_A PZ_WRK301	24/01/2024	19.2
Temperature	°C	DG_A PZ_BW45B	24/01/2024	18.6
Temperature	°C	DG_A PZ_BW36A	24/01/2024	19.9
Temperature	°C	DG_A PZ_GW03	1/02/2024	18.4
Temperature	°C	DG_A PZ_GW02	1/02/2024	18.3
Temperature	°C	DG_A PZ_GW04A	20/02/2024	17.6
Temperature	°C	DG_A PZ_GW01	20/02/2024	17.5
Temperature	°C	DG_A PZ_GW01	19/03/2024	17.57
Temperature	°C	DG_A PZ_GW04A	19/03/2024	17.63
Temperature	°C	DG_A PZ_GW03	19/03/2024	18.39
Temperature	°C	DG_A PZ_GW02	19/03/2024	19
Temperature	°C	DG_A PZ_GW04A	16/04/2024	17.4
Temperature	°C	DG_A PZ_GW01	16/04/2024	17.5
Temperature	°C	DG_A PZ_GW02	16/04/2024	17.5
Temperature	°C	DG_A PZ_GW03	16/04/2024	18.3
Temperature	°C	DG_A PZ_GW04A	21/05/2024	15.7
Temperature	°C	DG_A PZ_GW01	21/05/2024	17.3
Temperature	°C	DG_A PZ_GW02	21/05/2024	17.4
Temperature	°C	DG_A PZ_GW03	21/05/2024	17.3
Temperature	°C	DG_A PZ_GW04A	19/06/2024	15.4
Temperature	°C	DG_A PZ_GW01	19/06/2024	17.2
Temperature	°C	DG_A PZ_GW03	19/06/2024	17.5
Temperature	°C	DG_A PZ_GW02	19/06/2024	17.1
Temperature	°C	DG_A PZ_GW04A	10/07/2024	15.9
Temperature	°C	DG_A PZ_GW01	10/07/2024	17.3
Temperature	°C	DG_A PZ_GW03	10/07/2024	17.5
Temperature	°C	DG_A PZ_GW02	10/07/2024	17.7
Temperature	°C	DG_A PZ_WRK302	11/07/2024	16.8
Temperature	°C	DG_A PZ_GW06	11/07/2024	17.3
Temperature	°C	DG_A PZ_GW07	15/07/2024	17.8
Temperature	°C	DG_A PZ_IWB6	16/07/2024	16.6
Temperature	°C	DG_A PZ_IWB2	16/07/2024	17.5
Temperature	°C	DG_A PZ_BW05	16/07/2024	17
Temperature	°C	DG_A PZ_BW28A	17/07/2024	17.3
Temperature	°C	DG_A PZ_BW45B	18/07/2024	16.1
Temperature	°C	DG_A PZ_GW05	18/07/2024	16.3
Temperature	°C	DG_A PZ_GW04	22/07/2024	16.8
Temperature	°C	DG_A PZ_WRK300	22/07/2024	16.8
Temperature	°C	DG_A PZ_BW36A	22/07/2024	16.8
Temperature	°C	DG_A PZ_WRK301	24/07/2024	16.5
Temperature	°C	DG_A PZ_BW45B	20/08/2024	16.4
Temperature	°C	DG_A PZ_GW01	20/08/2024	16.2
Temperature	°C	DG_A PZ_GW03	21/08/2024	17.1
Temperature	°C	DG_A PZ_GW02	21/08/2024	16.6
Temperature	°C	DG_A PZ_GW04A	21/08/2024	17.2
Temperature	°C	DG_A PZ_GW06	22/08/2024	17.1
Temperature	°C	DG_A PZ_GW04A	17/09/2024	16
Temperature	°C	DG_A PZ_GW01	17/09/2024	16
Temperature	°C	DG_A PZ_GW02	17/09/2024	17.5
Temperature	°C	DG_A PZ_GW03	17/09/2024	16.9

Variable	Unit	Sample Point	Date	Result
Temperature	°C	DG_A_I_PZ_GW04A	2/10/2024	17.1
Temperature	°C	DG_A_I_PZ_GW01	3/10/2024	17.1
Temperature	°C	DG_A_I_PZ_GW03	3/10/2024	18.9
Temperature	°C	DG_A_I_PZ_GW02	3/10/2024	17.9
Temperature	°C	DG_A_I_PZ_GW04A	19/11/2024	16.7
Temperature	°C	DG_A_I_PZ_GW01	19/11/2024	17
Temperature	°C	DG_A_I_PZ_GW02	19/11/2024	17.4
Temperature	°C	DG_A_I_PZ_GW03	19/11/2024	17.8
Temperature	°C	DG_A_I_PZ_GW04A	10/12/2024	17.3
Temperature	°C	DG_A_I_PZ_GW01	10/12/2024	17.4
Temperature	°C	DG_A_I_PZ_GW02	10/12/2024	18.4
Temperature	°C	DG_A_I_PZ_GW03	10/12/2024	18.6

Appendix D: Duplicate and Field Blank Analytical Results – 2024

Sample Description			Field Blank	Field Blank	Field Blank	GW02	Blind	Relative Percent Difference (RPD)	GW02	Blind	Relative Percent Difference (RPD)	GW02	Blind	Relative Percent Difference (RPD)	GW02	Blind	Relative Percent Difference (RPD)
Sample Collection Method			Received	Received	Received	Received	Received		Received			Received	Received		Received	Received	
Sample Taken Date			17/09/2024	3/10/2024	10/12/2024	21/8/2024	21/8/2024		17/09/2024	17/9/2024		10/12/2024	10/12/2024		3/10/2024	3/10/2024	
Lab. Received Date			18/09/2024	4/10/2024	11/12/2024	22/8/2024	22/8/2024		18/09/2024	18/09/2024		11/12/2024	11/12/2024		4/10/2024	4/10/2024	
Lab No.			EML-13630	EML-14325	EML-18089	EML-12321	EML-12323		EML-13626	EML-13629		EML-18085	EML-18088		EML-14322	EML-14324	
Analyte	Unit	Method															
Aluminium (Total)	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (Total)	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (Total)	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	Cations	0.09	0.09	0.06	9.7	9.1	6.38%	13	13	0.0	12	12	-	12	11	4.46%
Chloride	mg/L	Chloride	<1	<1	<1	1400	1500	6.89%	1500	1500	0.0	1500	1800	18%	1500	1400	6.89%
Chromium (Total)	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (Total)	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (Total)	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	uS/cm	Cond-M	1.0	1.1	1.5	4900	4800	2.06%	5200	5200	0.0	5000	5100	1.98%	5000	5000	0.00
Fluoride	mg/L	Fluoride	-	<0.1		-	-	-	-	-	-	-	-	-	-	-	-
Lead (Total)	mg/L	ECO-Metals	-	<0.001		-	-	-	-	-	-	-	-	-	-	-	-
Mercury (Total)	mg/L	ECO-Metals	-	<0.0001		-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum (Total)	mg/L	ECO-Metals	-	<0.001		-	-	-	-	-	-	-	-	-	-	-	-
Nickel (Total)	mg/L	ECO-Metals	-	0.005		-	-	-	-	-	-	-	-	-	-	-	-
Nitrate-Nitrogen NO3	mg/L	ECO-Metals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrite-Nitrogen NO2	mg/L	Ton-HR-DA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH		PH	6.6	6.2	6.1	5.6	5.5	1.80%	5.6	5.5	1.80%	5.6	5.6	0.00	6	5.8	3.38%
Selenium (Total)	mg/L	ECO-Metals	<0.001	0.002	<0.001	0.002	<0.001	66%	0.002	0.001	66%	0.001	0.002	66%	<0.001	0.004	120%
Sodium	mg/L	Cations	<0.02	<0.02	<0.02	860	810	5.98%	860	930	7.82%	830	830	0.00	840	830	1.19%
Sulfate	mg/L	SO4	<2	<2	<2	140	130	7.4%	200	210	4.87%	190	190	0.00	170	160	6.06%
Total Dissolved Solids	mg/L	1001G	<20	<20	55	3100	3000	3.27%	3100	3000	3.27%	3200	3100	3.17%	2900	2800	3.50%
Uranium (Total)	mg/L	ECO-Metals	-	-	-	<0.0005	-	0.00	<0.0001	-	0.00	<0.0001	-	0.00	-	-	-

Appendix E: 2024 GW Compliance Bore Rolling Median & Values

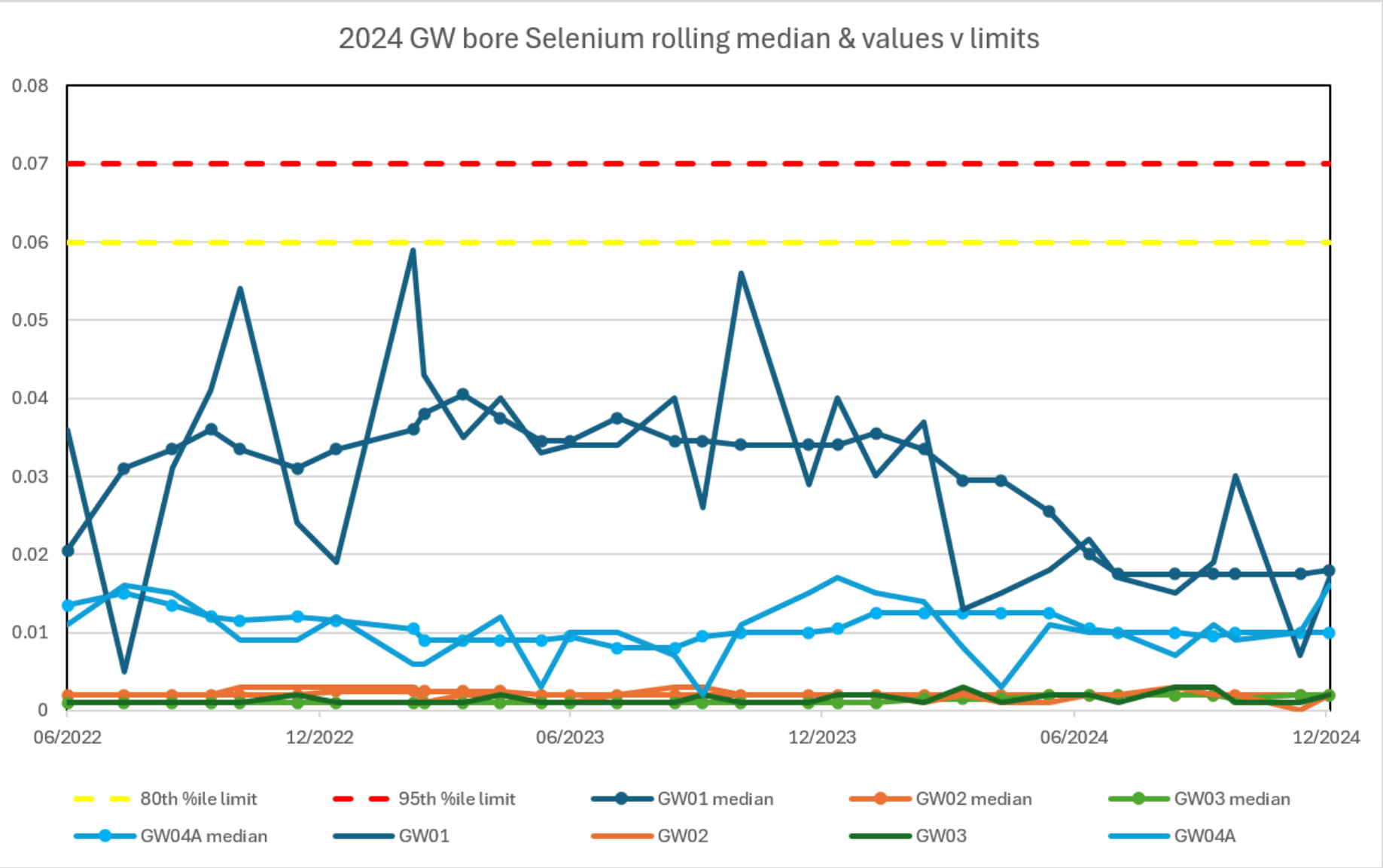


Figure 14. 2024 selenium rolling median and values vs limits for compliance bores.

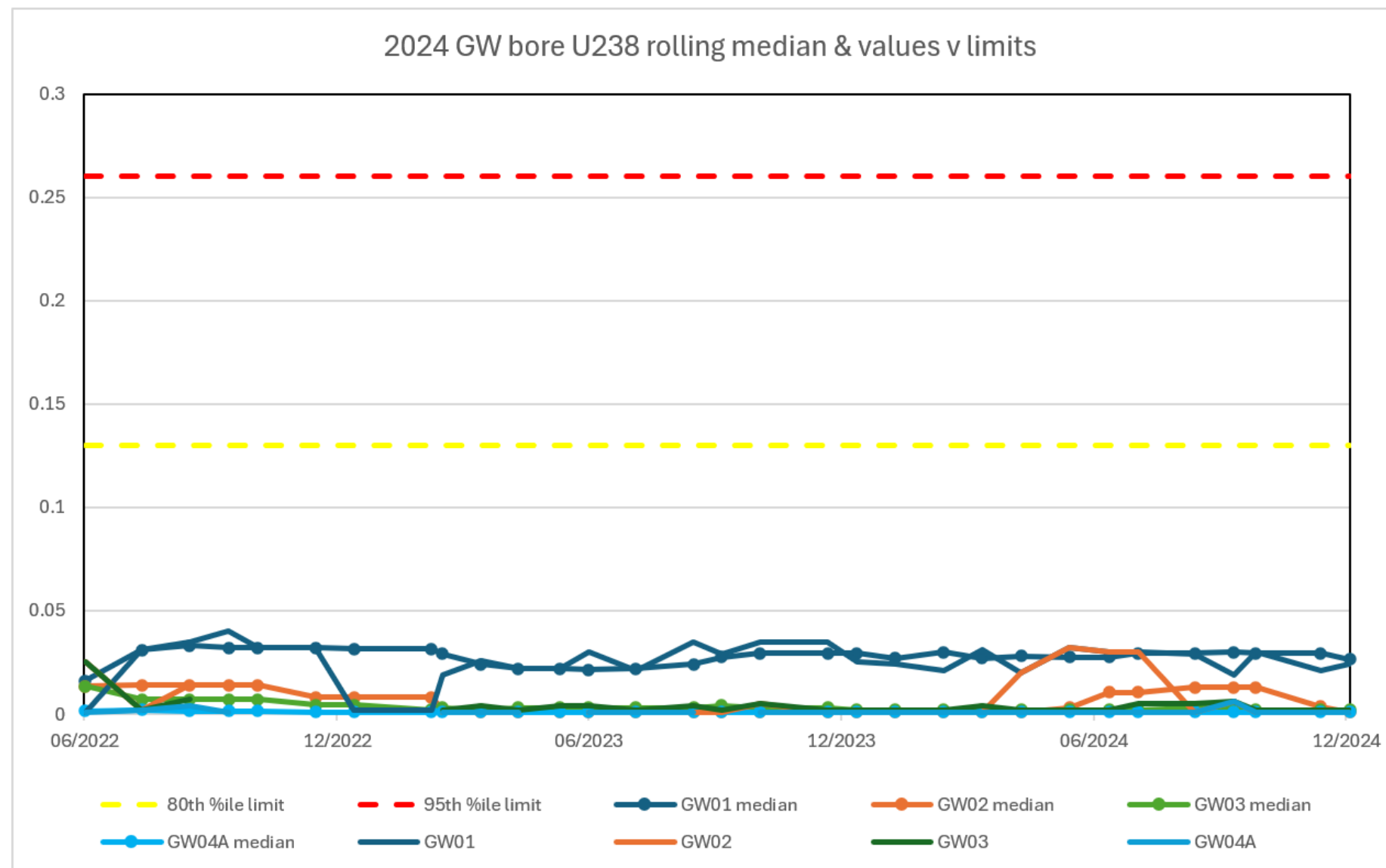


Figure 15. 2024 U238 median and values vs limits for compliance bores.

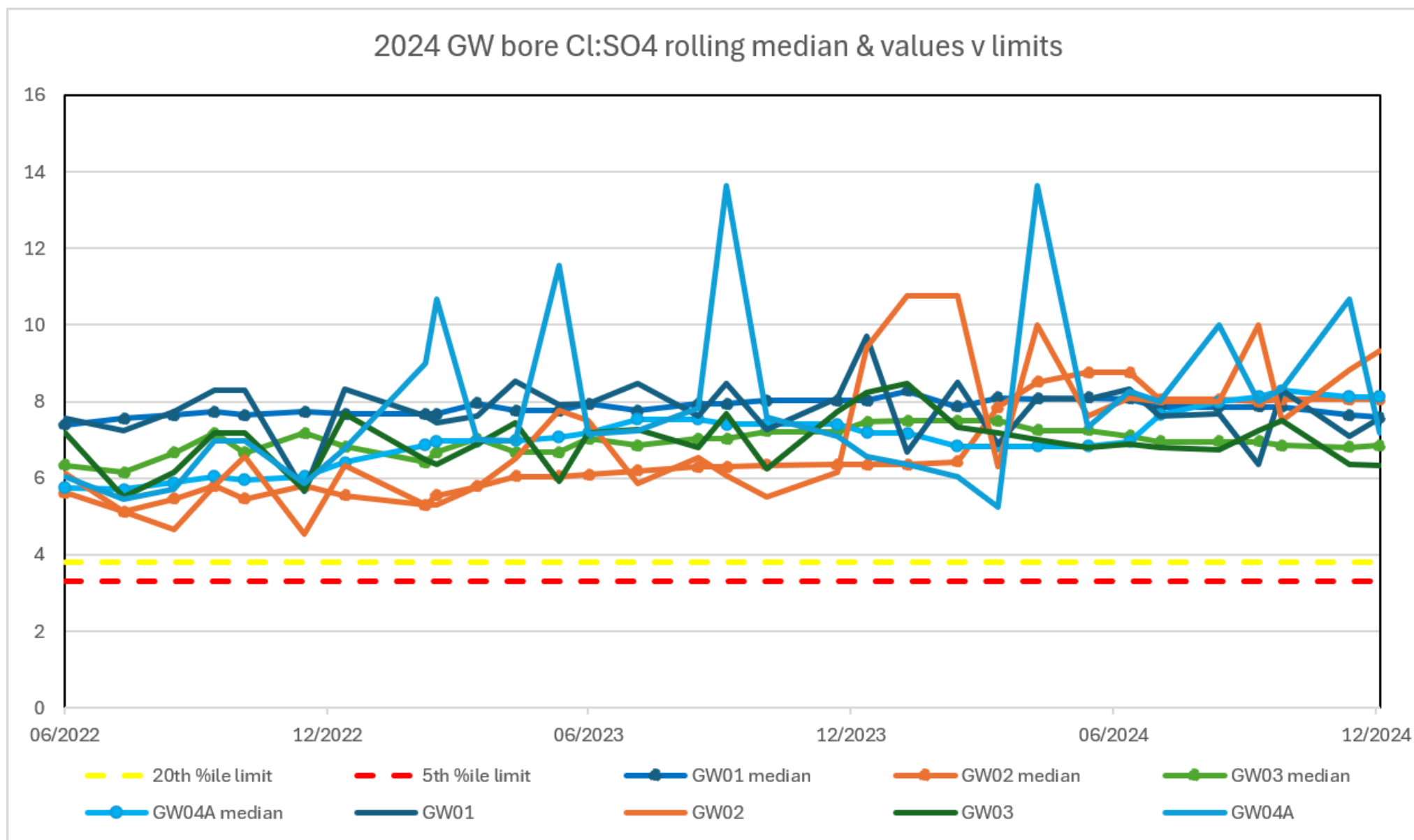


Figure 16. 2024 Cl:SO4 median and values vs limits for compliance bores.

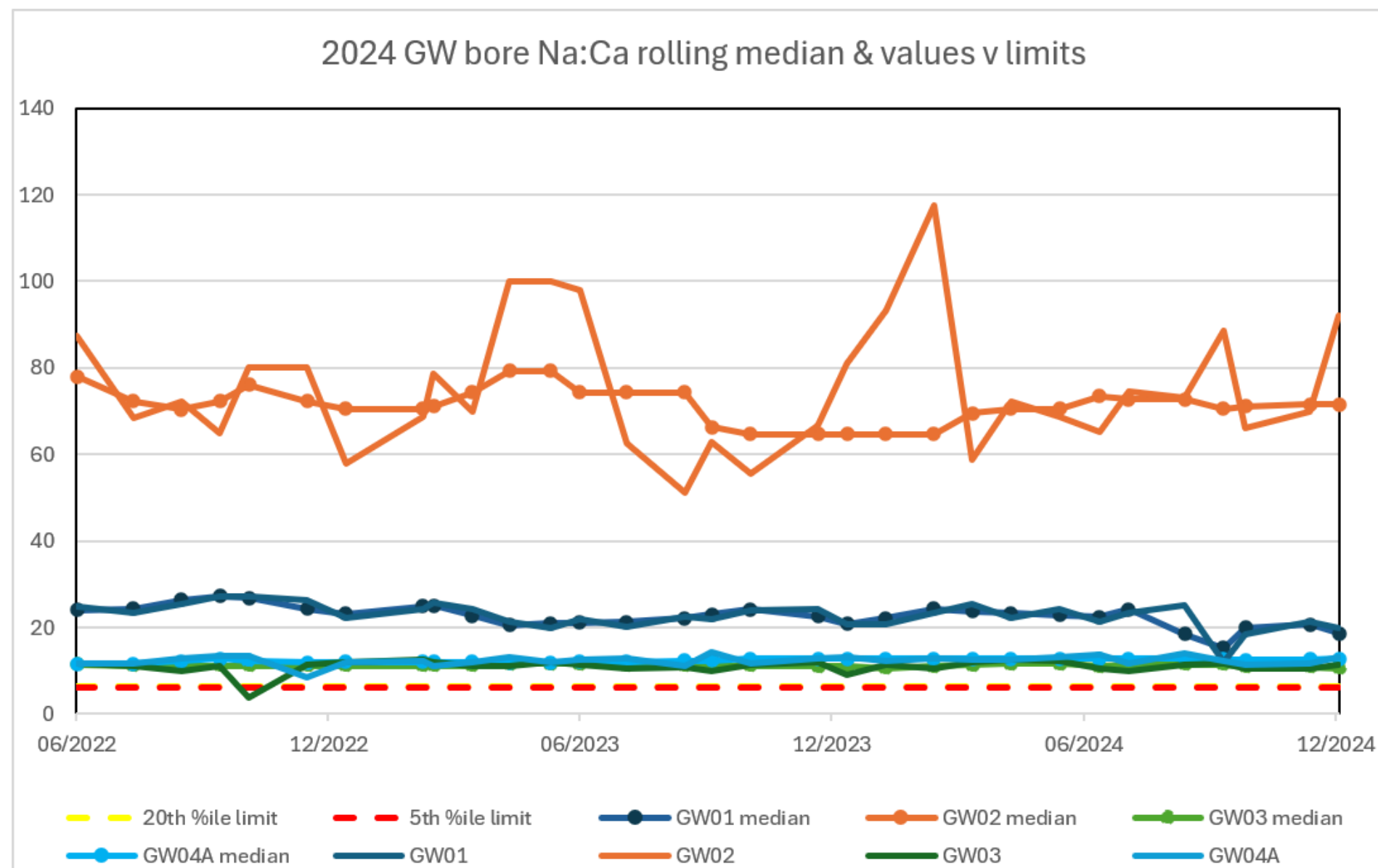


Figure 17. 2024 Na:Ca median and values vs limits for compliance bores.

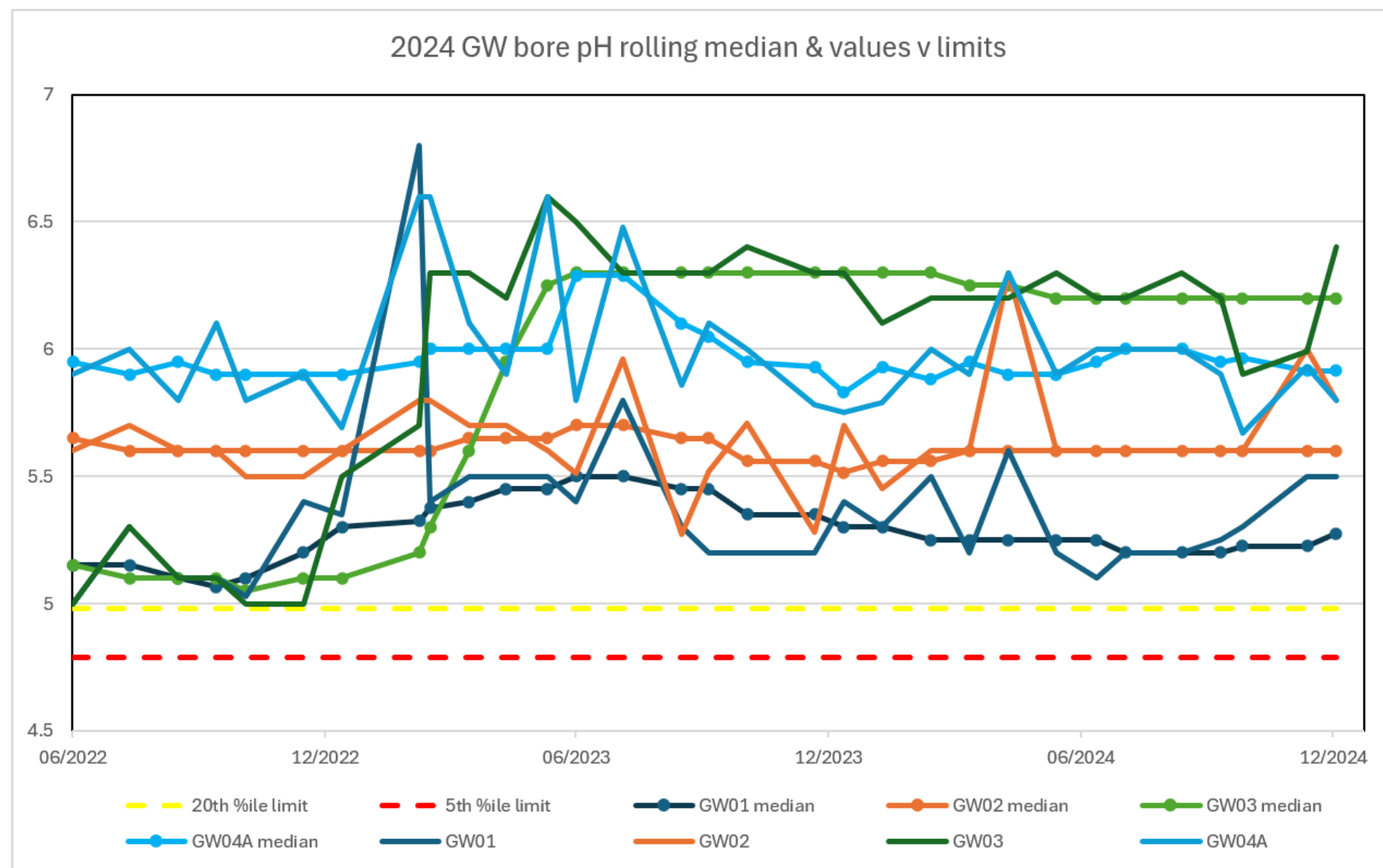


Figure 18. 2024 pH median and values vs limits for compliance bores.

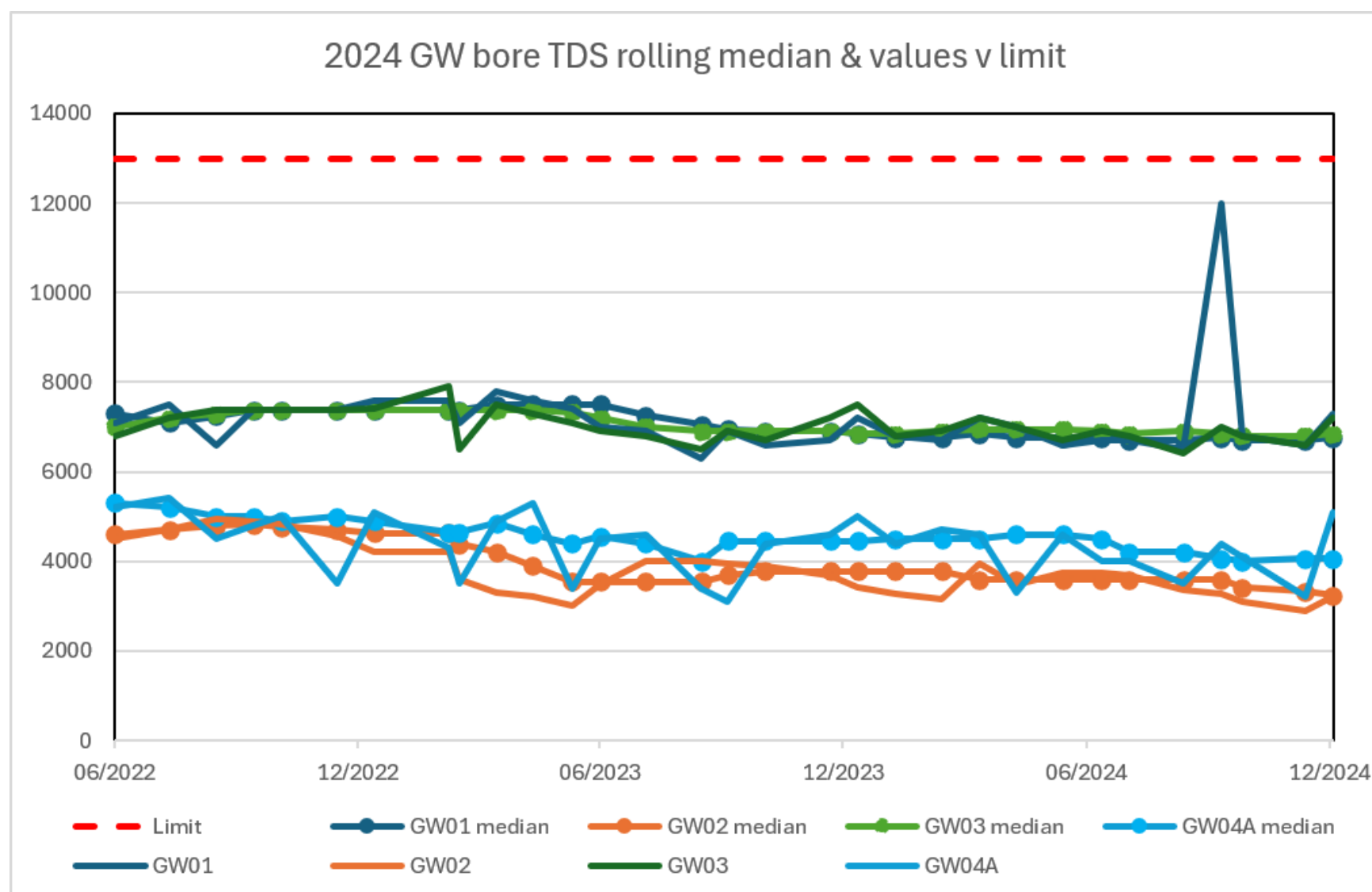


Figure 19. 2024 TDS median and values vs limit for compliance bores.

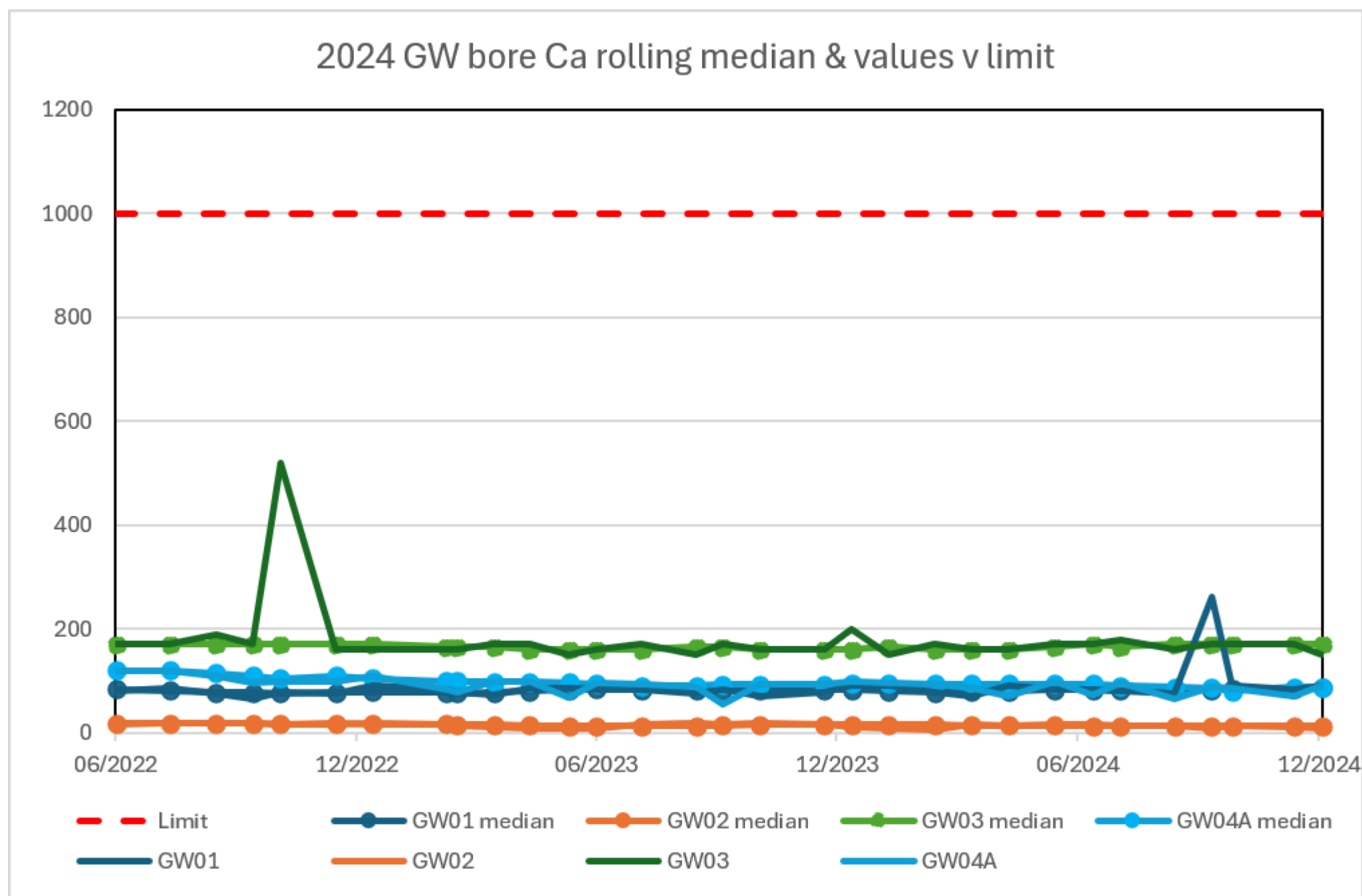


Figure 20. 2024 Calcium median and values vs limit for compliance bores.

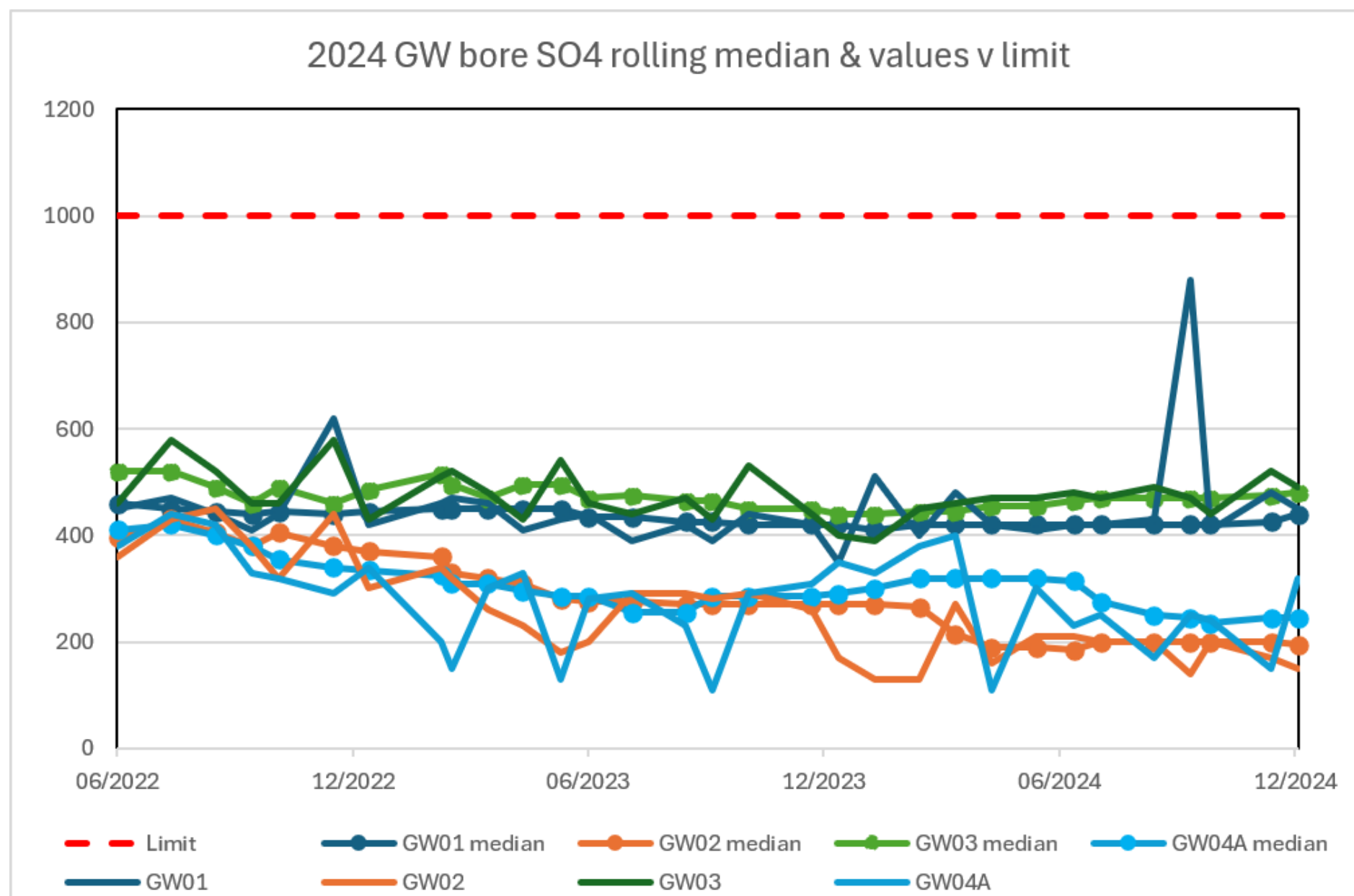


Figure 21. 2024 Sulfate median and values vs limit for compliance bores.

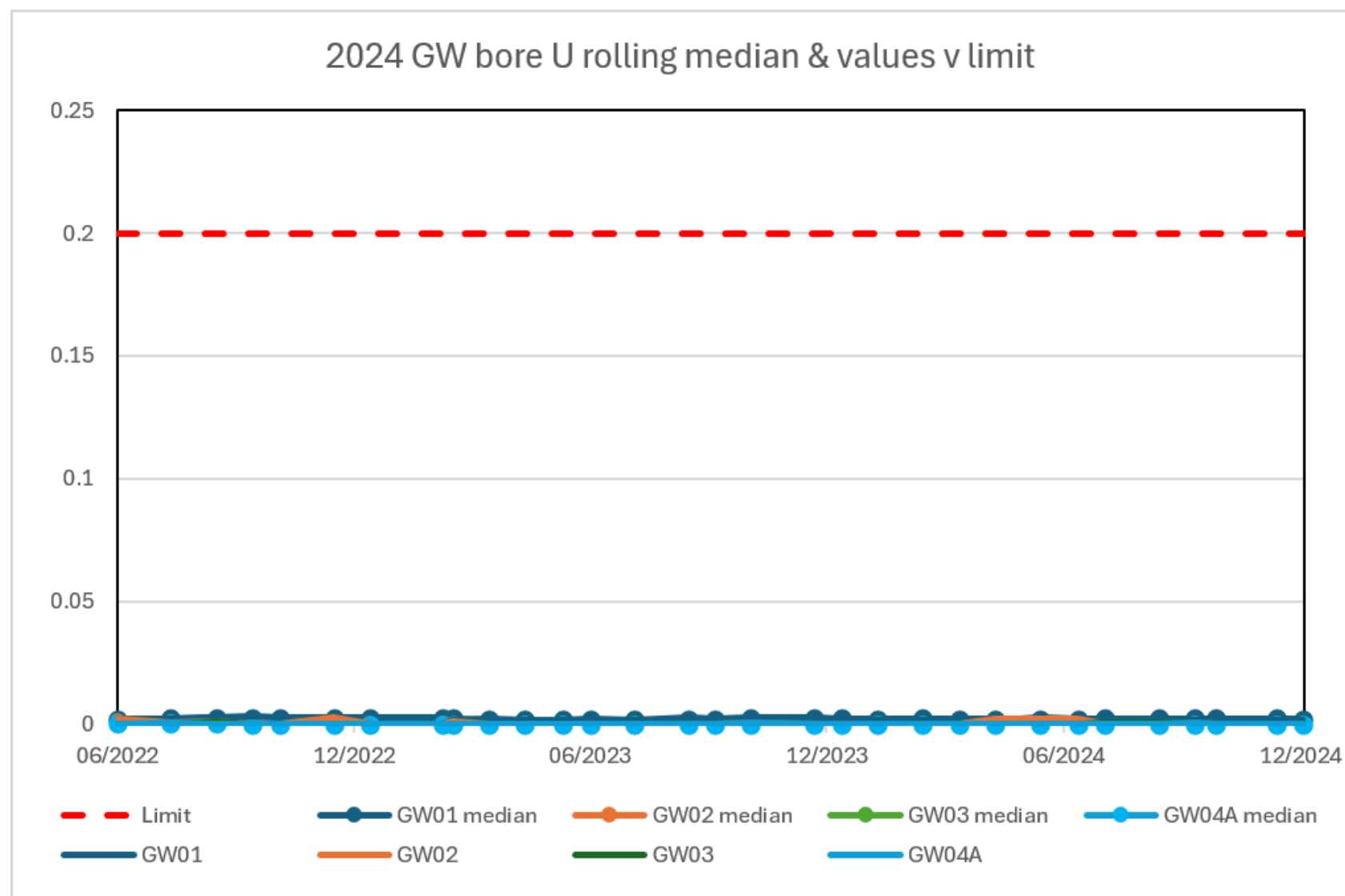


Figure 22. 2024 Uranium median and values vs limit for compliance bores.

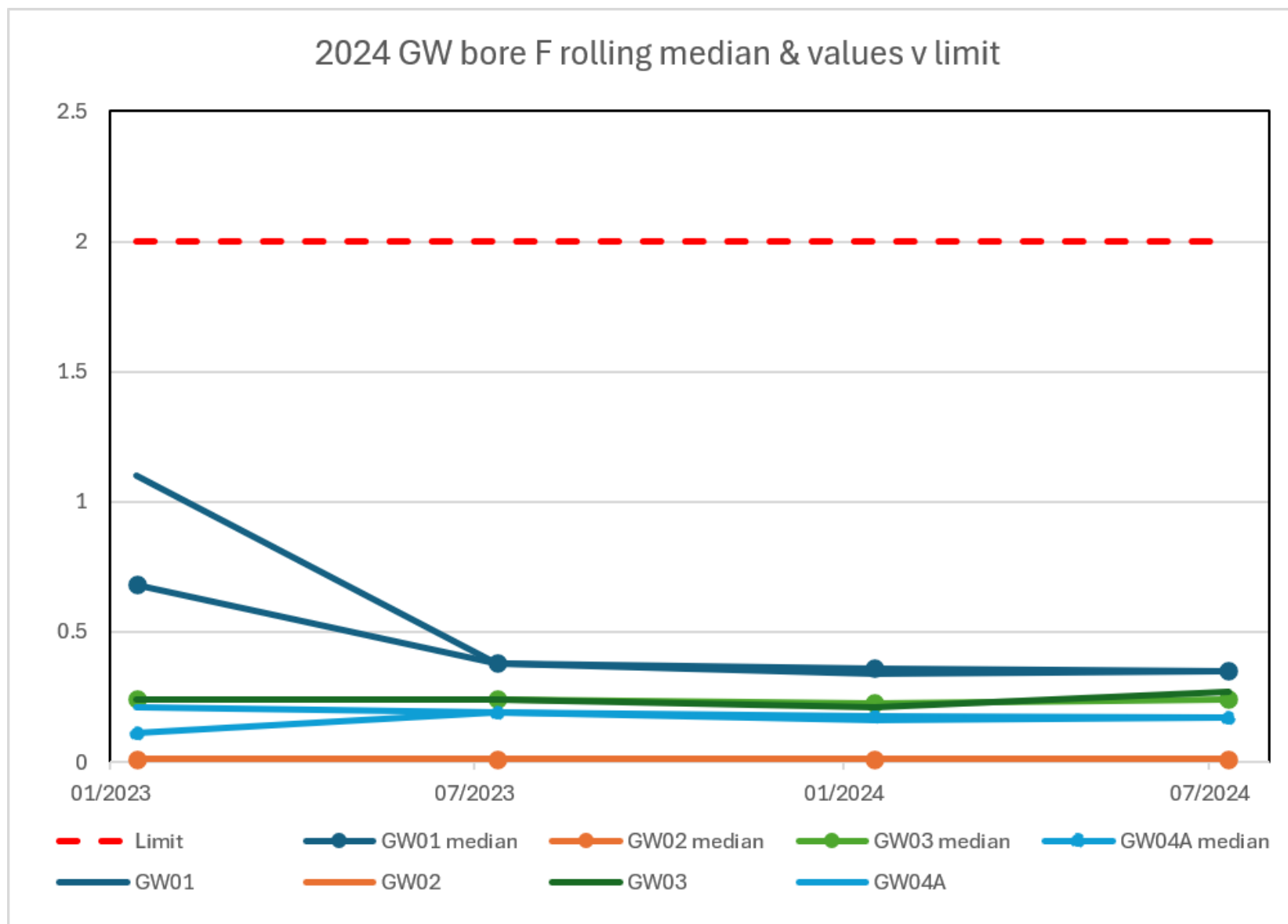


Figure 23. 2024 Fluoride median and values vs limit for compliance bores.

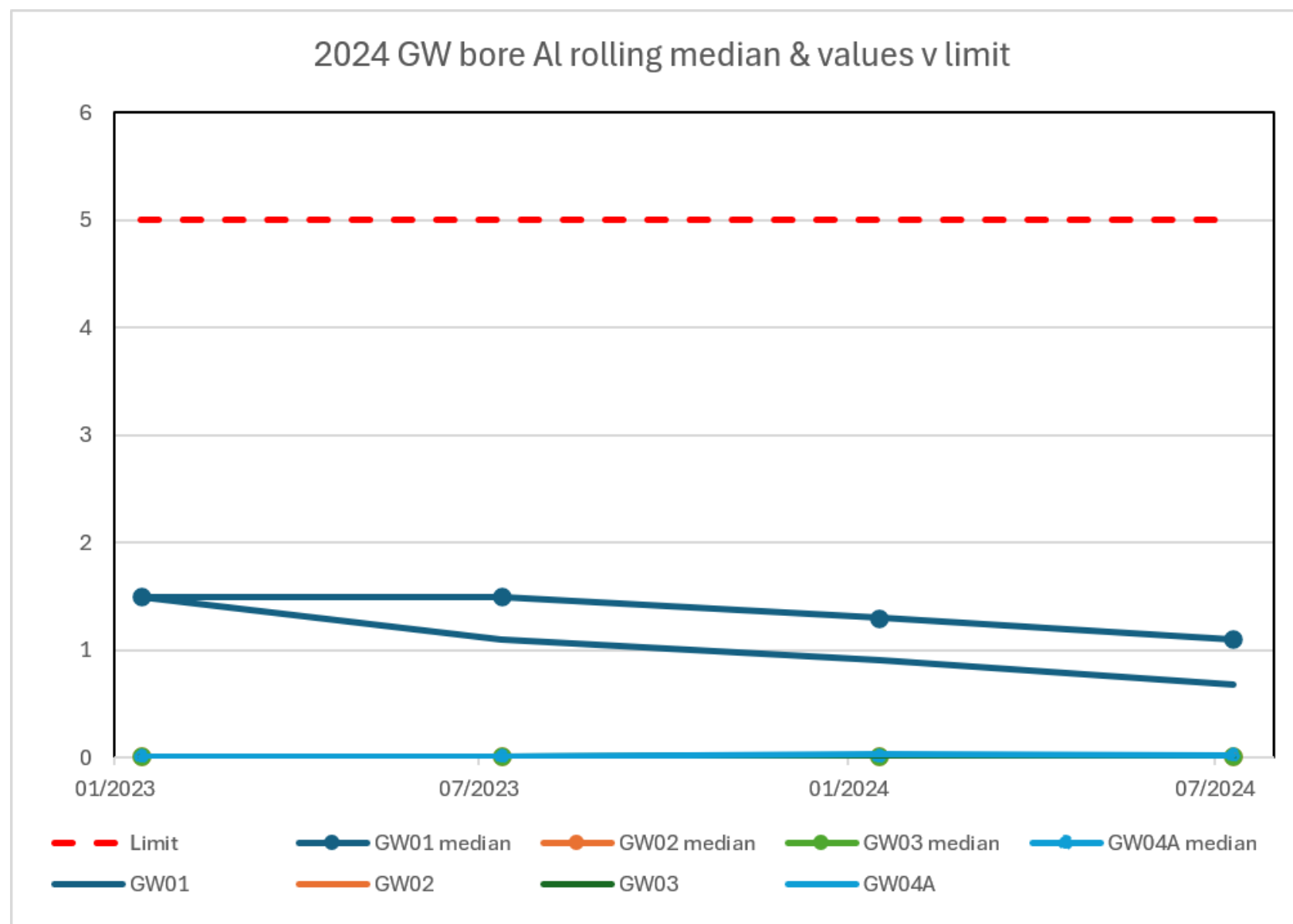


Figure 24. 2024 Aluminium median and values vs limit for compliance bores.

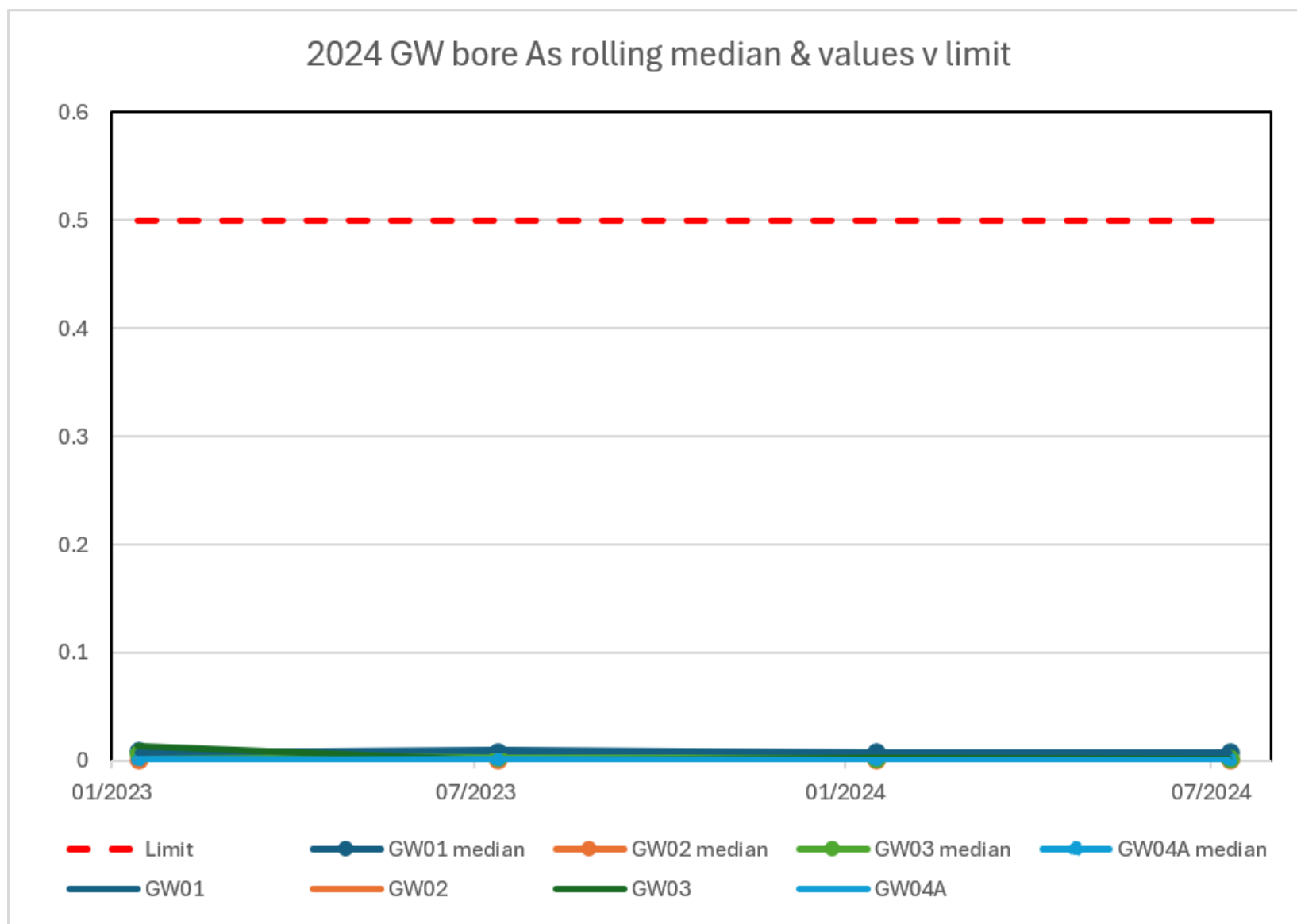


Figure 25. 2024 Arsenic median and values vs limit for compliance bores.

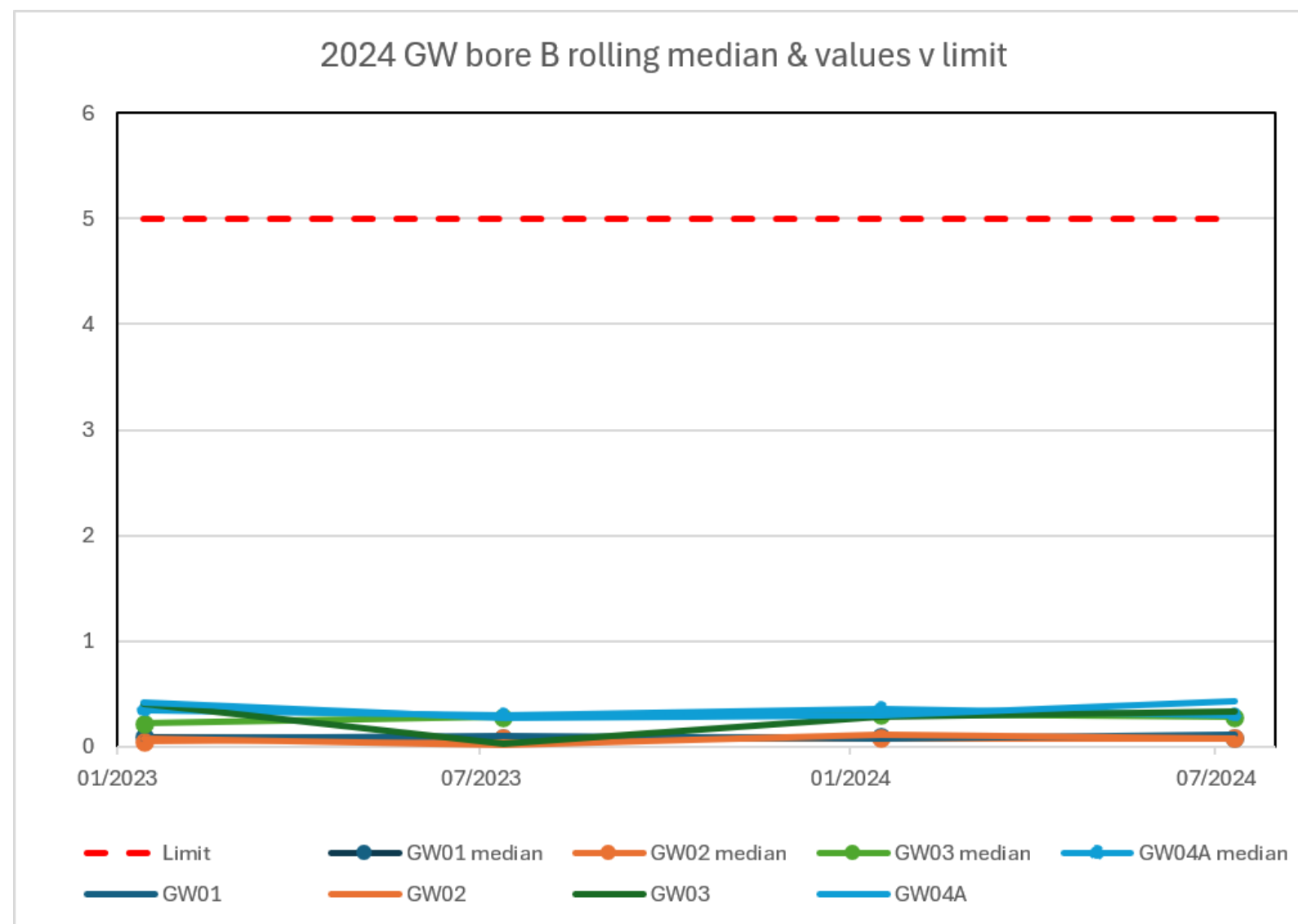


Figure 26. 2024 Boron median and values vs limit for compliance bores.

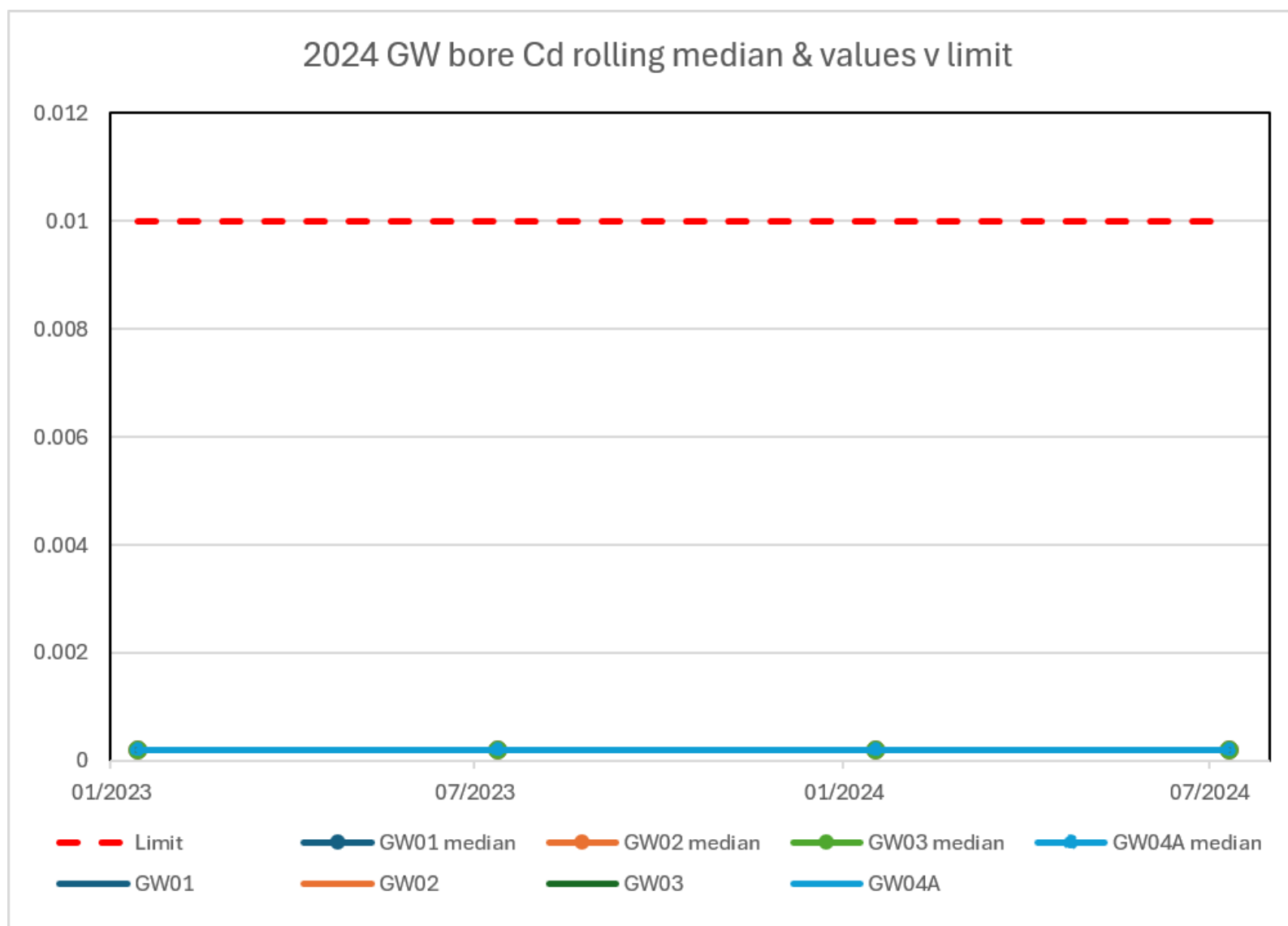


Figure 27. 2024 Cadmium median and values vs limit for compliance bores.

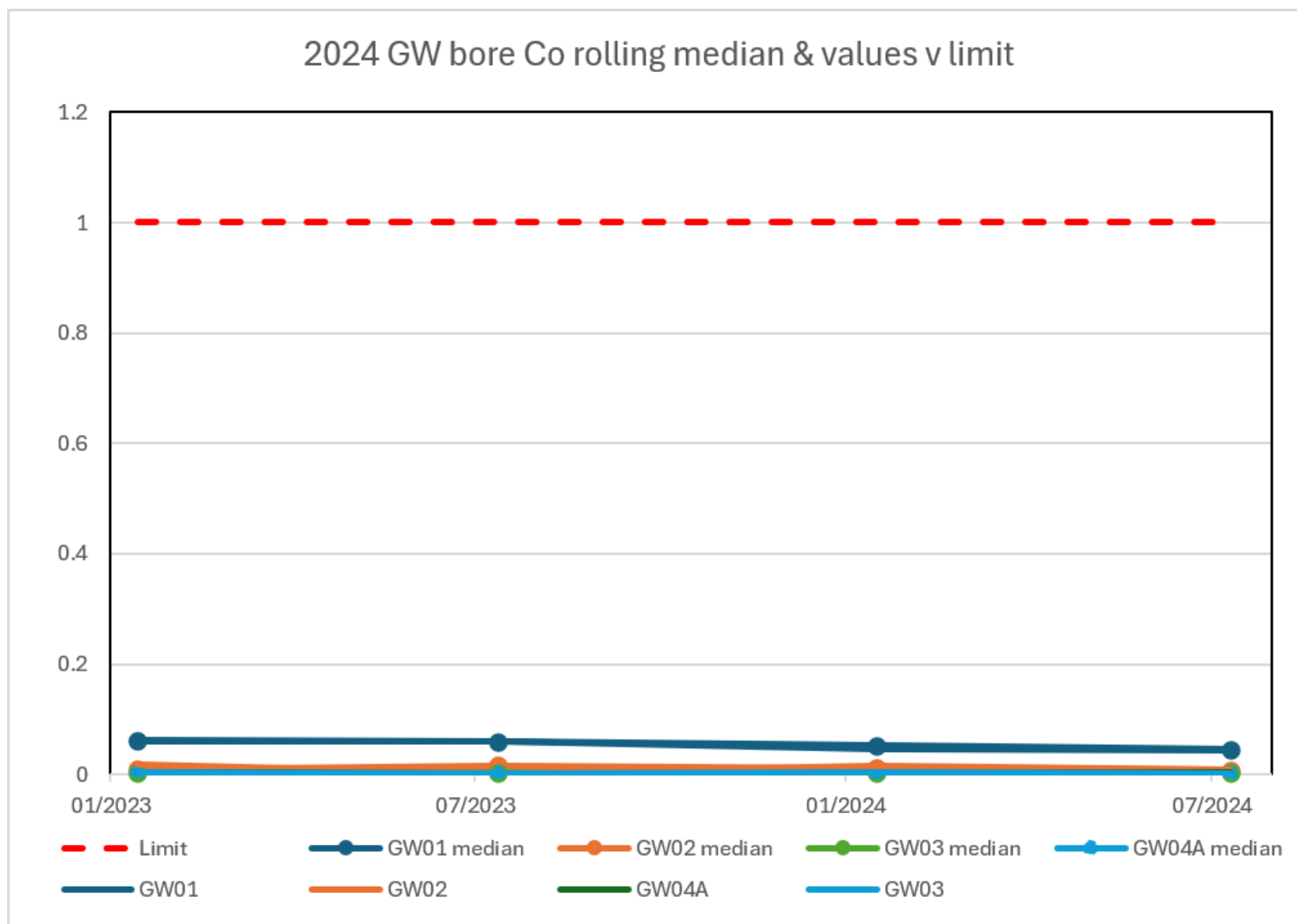


Figure 28. 2024 Cobalt median and values vs limit for compliance bores.

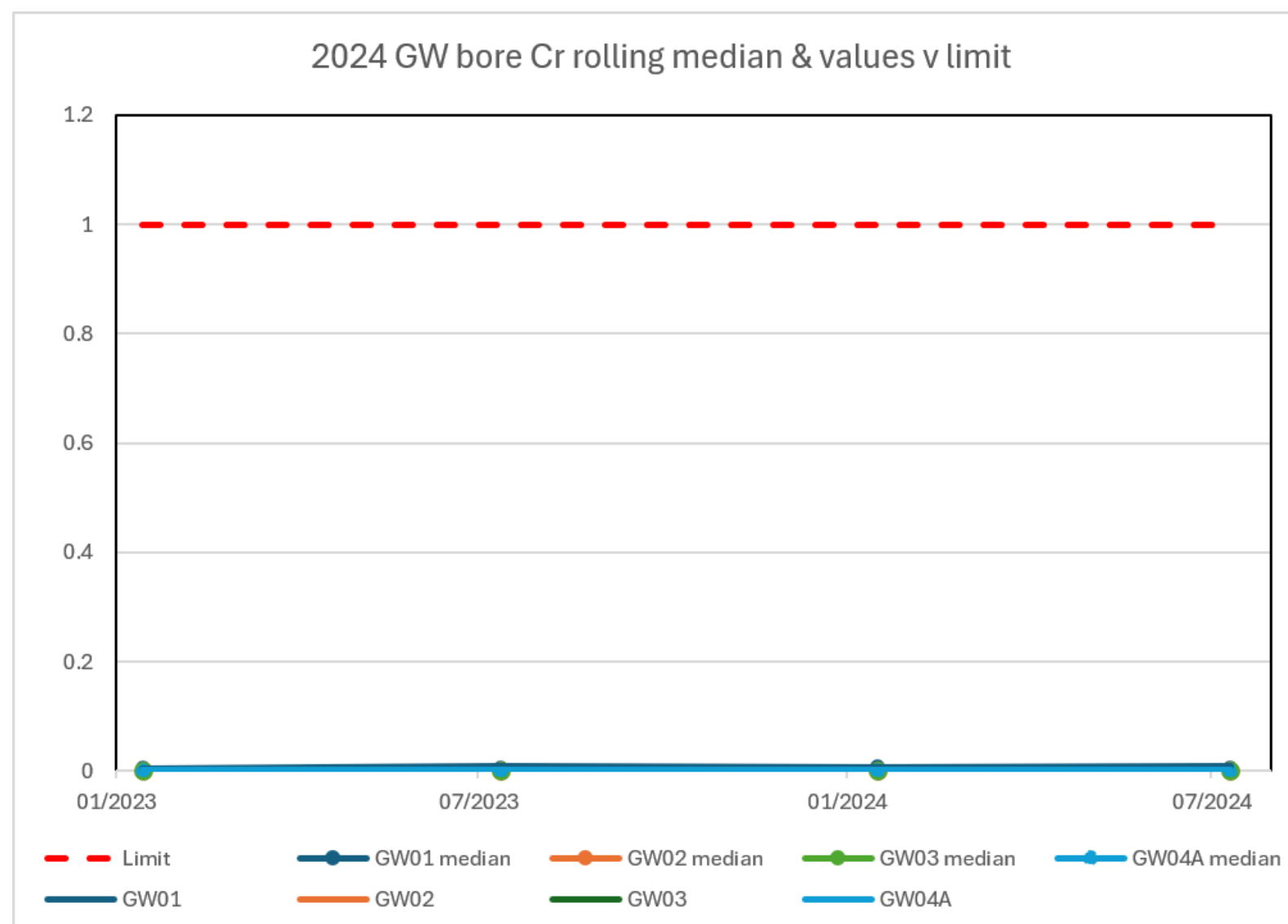


Figure 29. 2024 Chromium median and values vs limit for compliance bores.

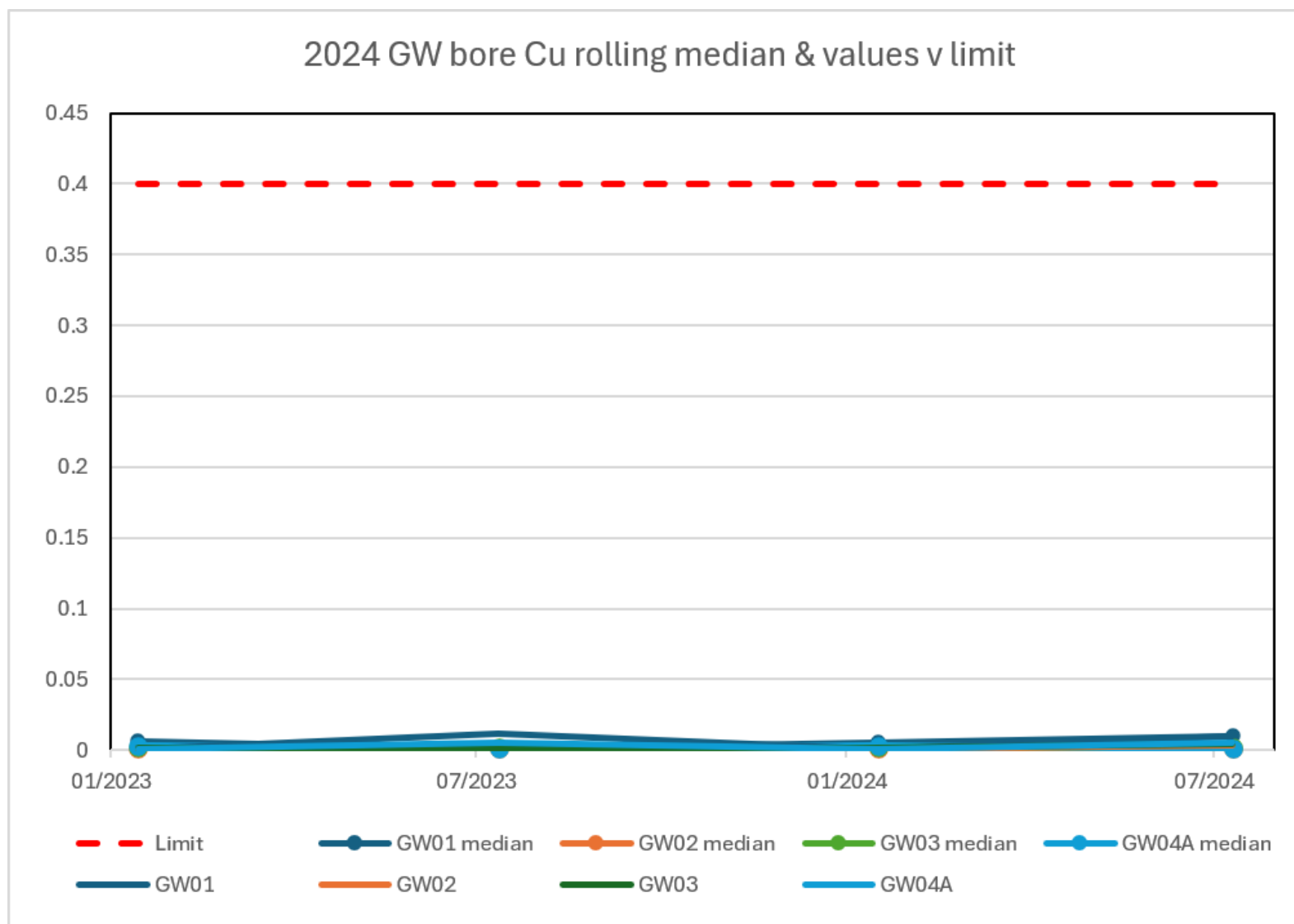


Figure 30. 2024 Copper median and values vs limit for compliance bores.

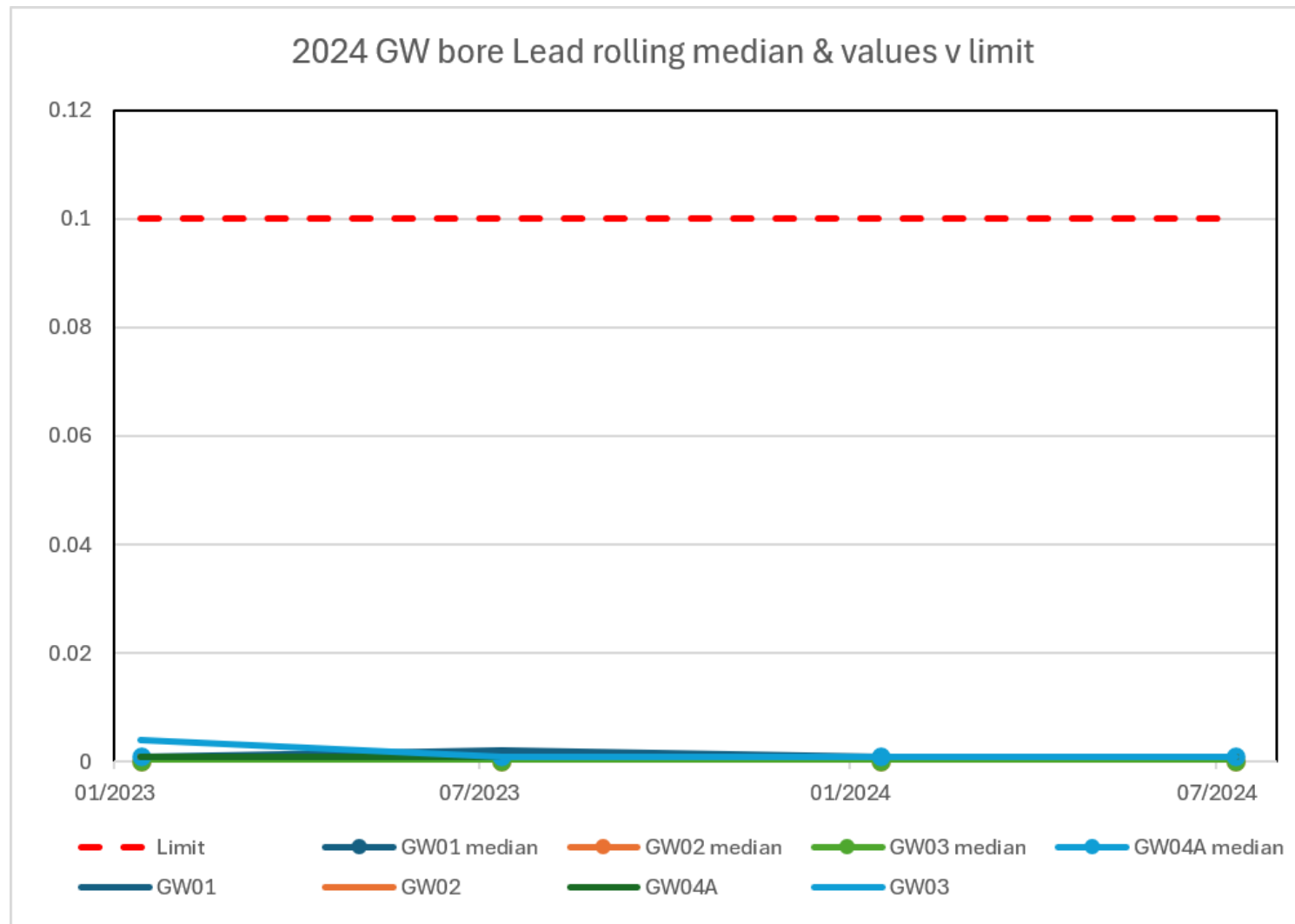


Figure 31. 2024 Lead median and values vs limit for compliance bores.

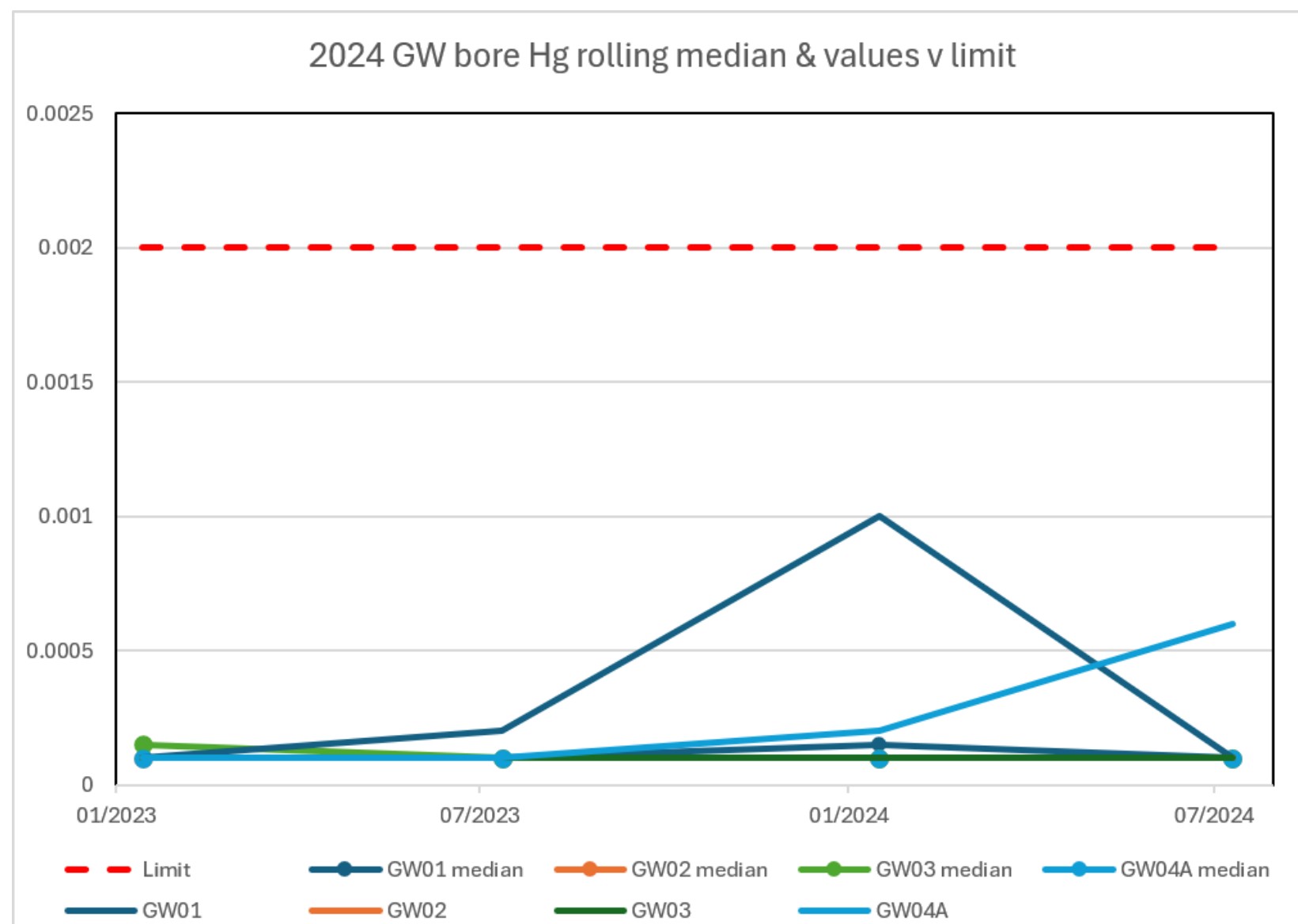


Figure 32. 2024 Mercury median and values vs limit for compliance bores.

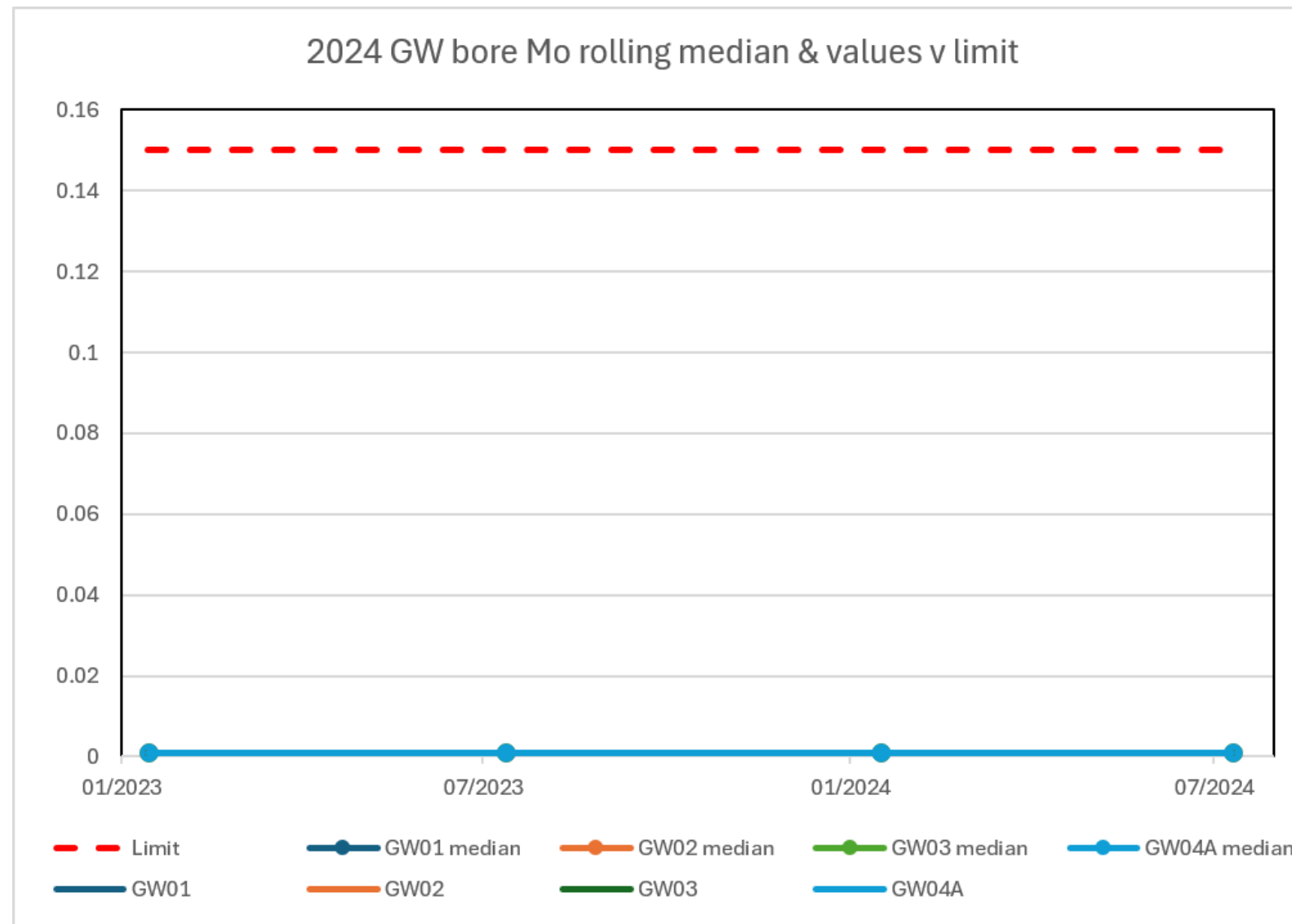


Figure 33. 2024 Molybdenum median and values vs limit for compliance bores.

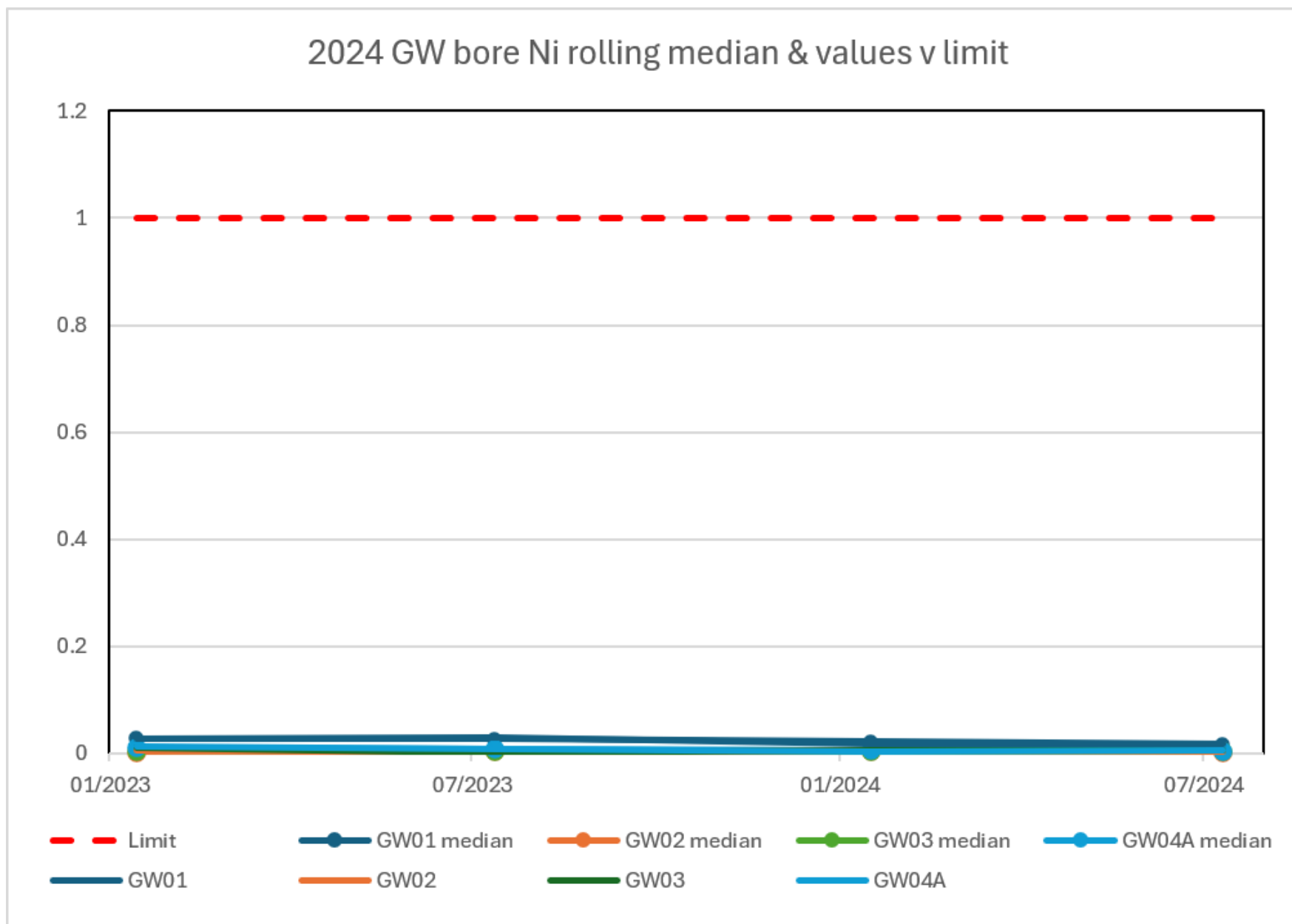


Figure 34. 2024 Nickel median and values vs limit for compliance bores.

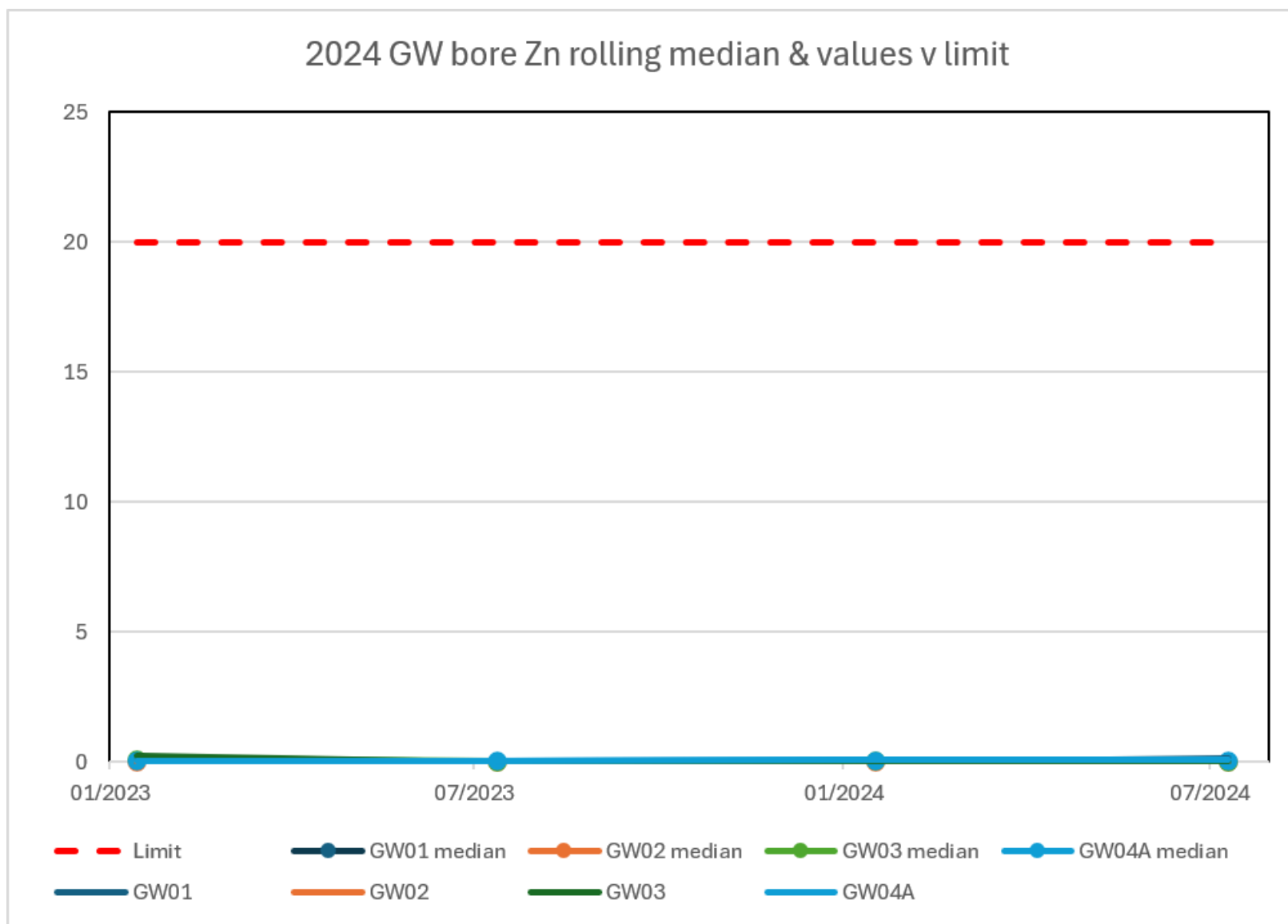


Figure 35. 2024 Zinc median and values vs limit for compliance bores.

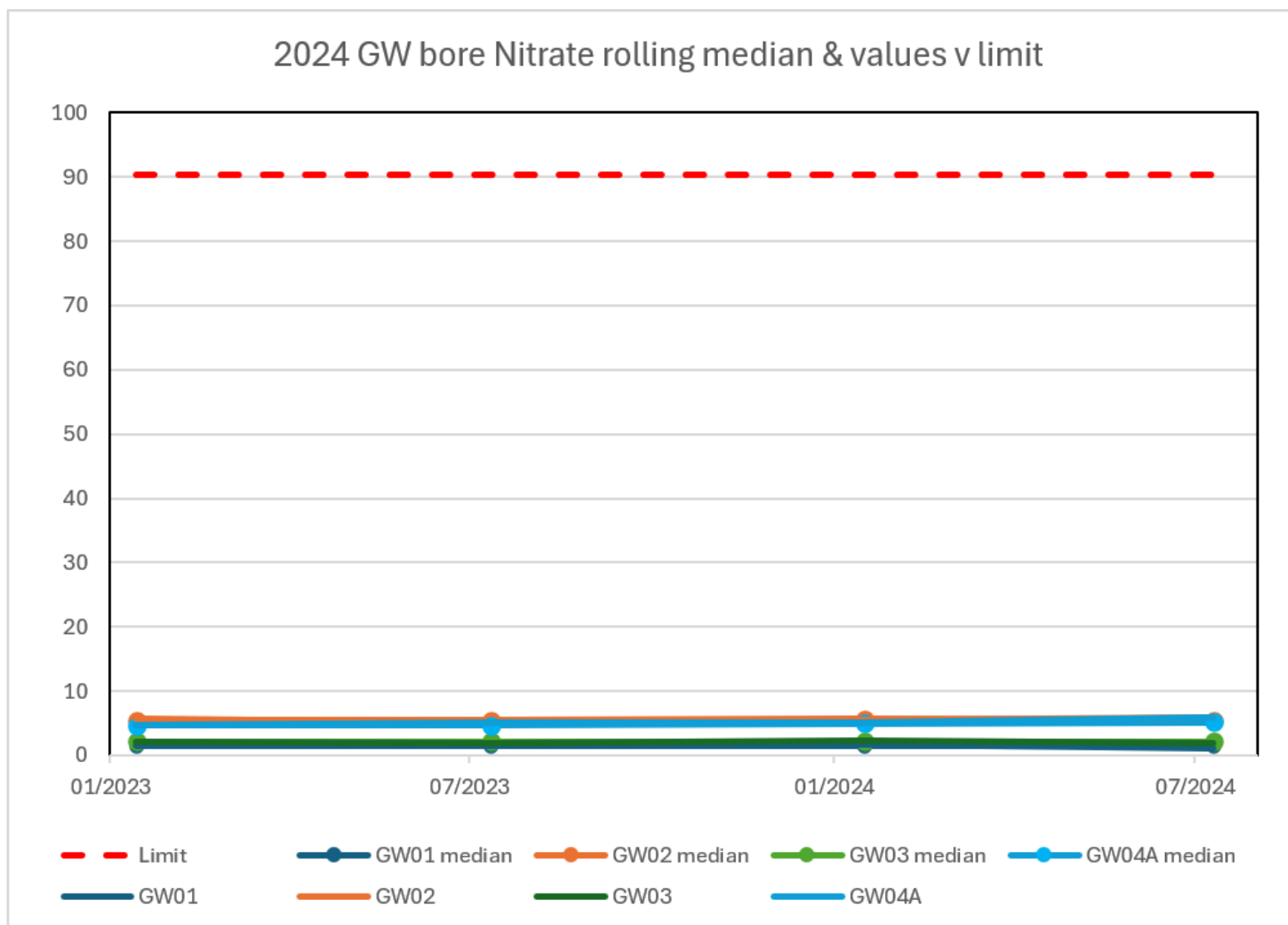


Figure 36. 2024 Nitrate median and values vs limit for compliance bores.

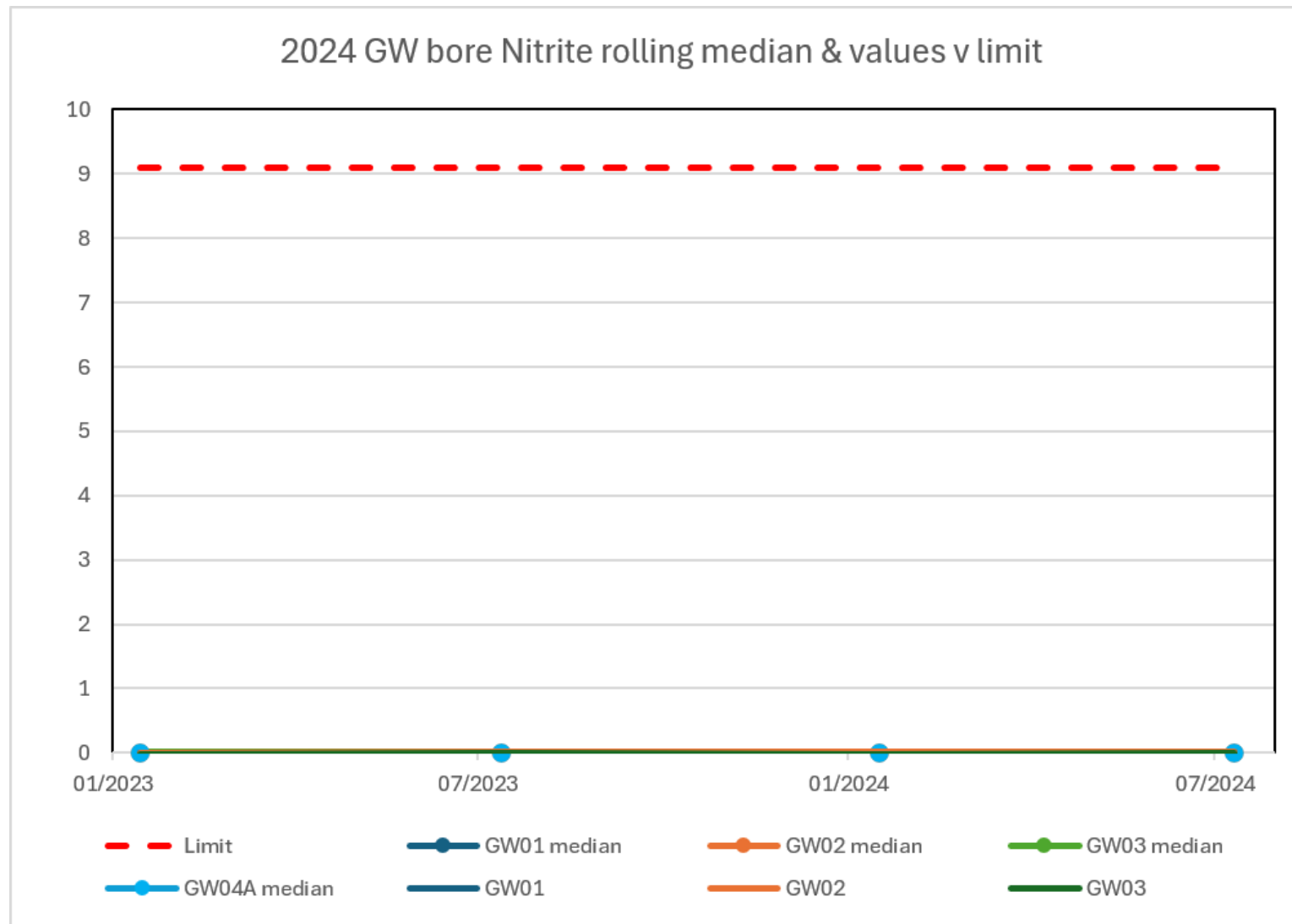


Figure 37. 2024 Nitrite median and values vs limit for compliance bores.

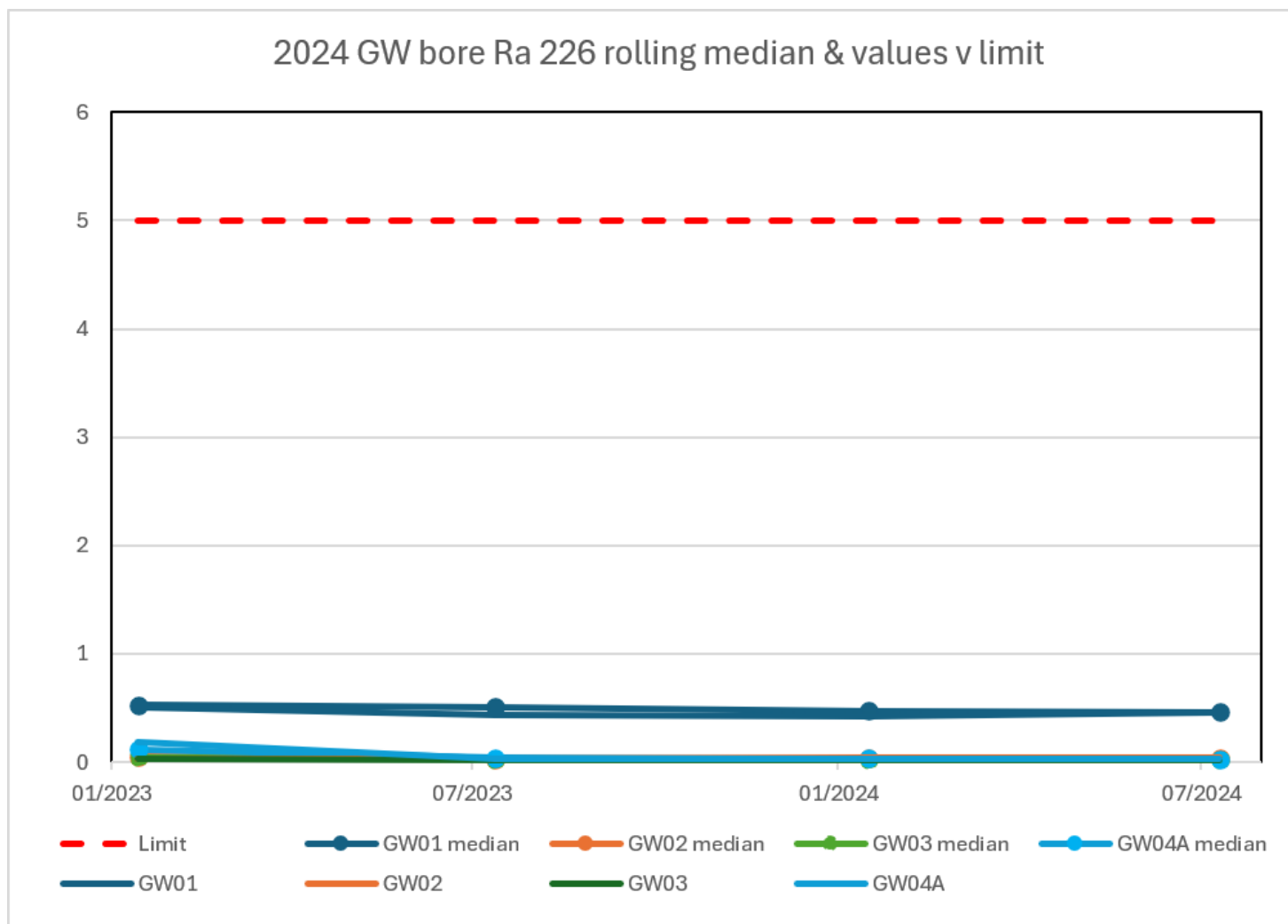


Figure 38. 2024 Ra 226 median and values vs limit for compliance bores.

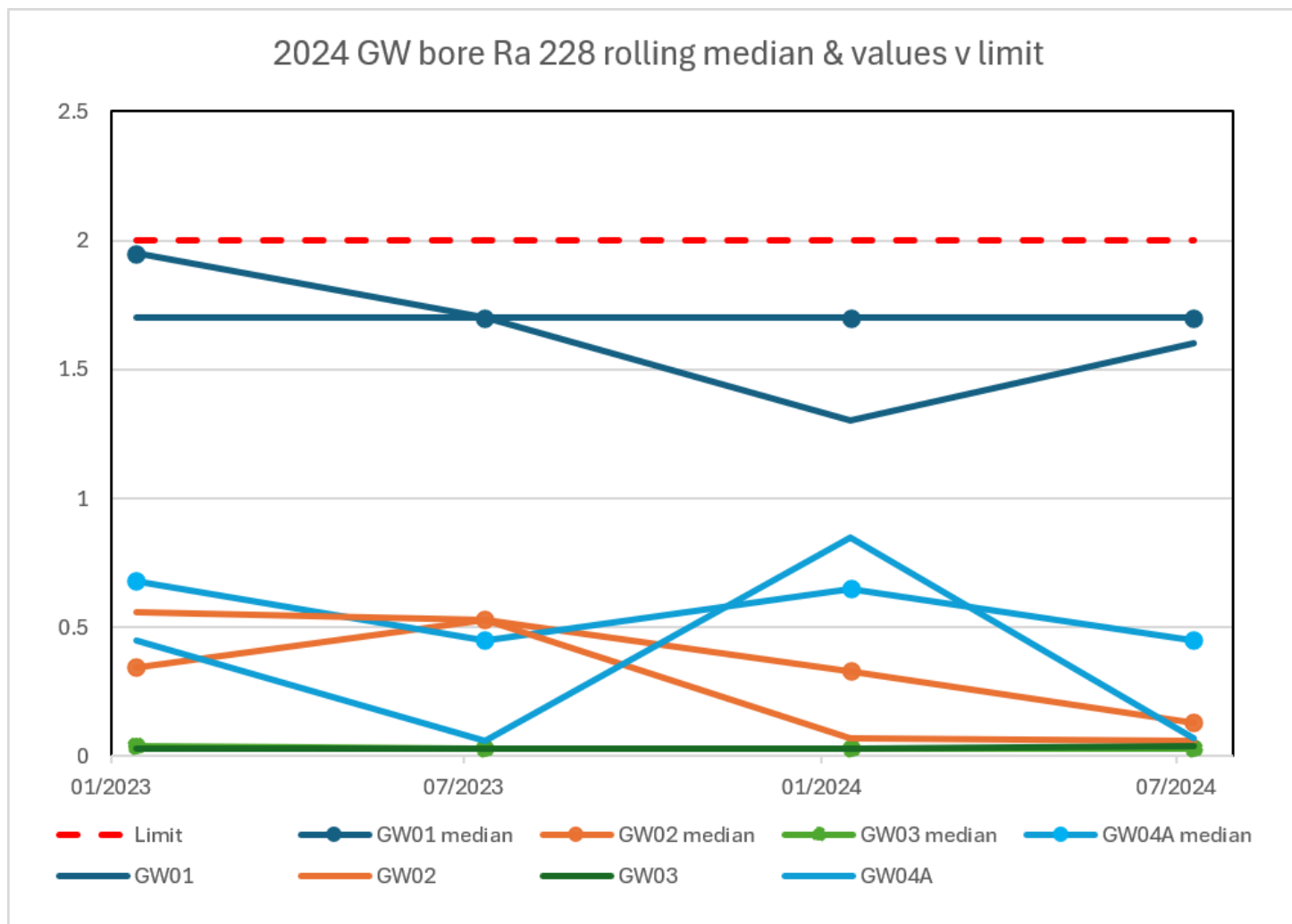


Figure 39. 2024 Ra 228 median and values vs limit for compliance bores.