



**Greenstone Resources (WA) Pty Ltd**

**King of The Hills Mine**

**L8345/2009/3**

Annual Environmental Report  
September 2024 to August 2025

Date	Purpose	Drafted	Reviewed	Approved
30/10/2025	Annual Report – L8345/2009/3	■	■	■

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## **Appendices**

Appendix A: Annual Audit Compliance Report

## **1.0 INTRODUCTION**

This Annual Environmental Report (AER) has been developed for the King of the Hills (KOTH) gold mine, which is owned and operated by Greenstone Resources (WA) Pty Ltd, a wholly owned subsidiary of Vault Minerals Limited. KOTH is located 630 km northeast of Perth and 28 km north of Leonora town site, in the shire of Leonora, Western Australia (WA).

The purpose of this AER is to fulfil KOTH's annual reporting requirements in accordance with Prescribed Premises Licence L8345/2009/3 (L8345), Condition 25. The annual period covered in this AER is 1 September 2024 to 31 August 2025 to be submitted by 31 October 2025.

### **1.1 Annual Period Operational Summary**

Gold ore continued to be mined at KOTH through traditional open-pit and underground mining methods and subsequently processed through the processing plant. During the reporting period, 6,988,868 tonnes of ore and 21,551,272 tonnes of waste were mined from the operations. Processing totalled 5,373,929 dry tonnes of ore, yielding a total of 192,294 ounces of gold. Subsequent tailings deposition totalled 5,373,929 tonnes of solids, with an average tailings density of 51% solids. 546,911 tonnes of mine dewater was discharged into Galahad Pit.

## 1.2 Condition 11 - Tonnages of waste deposited into the Class II landfill

A total of 4,829 tonnes of inert and putrescible waste was deposited in the landfill facilities during the reporting period.

Table 1: Landfill waste volumes

Month	Inert	Putrescible	Tyres	Total
Volume (t)	3,705	503	621	<b>4,829</b>

## 1.3 Condition 13 - Mine dewater discharges

All underground dewater was discharged into the Galahad Pit discharge point during the reporting period. A total of 546,911 tonnes was discharged during the reporting period, tabulated in Table 3.

Table 2: Mine dewater discharges

Month	Discharge to Galahad pit (kL)	Discharge to Tarmoola Pit (kL)
Sep-24	50,497	0
Oct-24	28,251	0
Nov-24	47,918	0
Dec-24	47,918	0
Jan-25	35,445	0
Feb-25	50,406	0
Mar-25	64,969	0
Apr-25	45,817	0
May-25	45,817	0
Jun-25	45,817	0
Jul-25	45,817	0
Aug-25	38,241	0
<b>Annual total</b>	<b>546,911</b>	<b>0</b>

## 1.4 Condition 14- Process volumes

Process volumes associated with tailings deposition to TSF4 and TSF5 is displayed in Table 4.

Table 3: Tailings deposition and decant water return

Month	Facility	Tailings solids (tonnes)	Return Decant Water (tonnes)
Sep-24	TSF5	440,249	252,500
Oct-24	TSF4 & TSF5	403,176	114,773
Nov-24	TSF4	441,732	167,186
Dec-24	TSF4	434,118	190,991
Jan-25	TSF4	463,491	62,385
Feb-25	TSF4	433,999	160,612
Mar-25	TSF4	431,511	224,913
Apr-25	TSF4	407,725	150,185

Month	Facility	Tailings solids (tonnes)	Return Decant Water (tonnes)
May-25	TSF4	504,362	167,399
Jun-25	TSF4	422,586	152,690
Jul-25	TSF4	510,981	162,022
Aug-25	TSF4	479,999	140,517
<b>Total</b>		<b>5,373,929</b>	<b>1,946,173</b>

## 1.5 Condition 15 – WWTP Monitoring

### 1.5.1 WWTP Wastewater Volumes

A total of 40,073 m<sup>3</sup> of treated wastewater was discharged to the sprayfield during the reporting period, averaging 109.8 m<sup>3</sup> per day.

### 1.5.2 Wastewater Monitoring Data

Treated wastewater monitoring data is presented in Figures 1 to 6. Details of limit exceedances are discussed in Section 1.5.4 and the AACR (Appendix A).

Table 4: WWTP treated wastewater quality

Quarter	Date	E. coli	Total Coliforms	BOD	TSS	Total Nitrogen	Total Phosphorus	Free Chlorine	pH
		CFU/100ml	CFU/100ml	mg/L	mg/L	mg/L	mg/L	mg/L	pH Unit
Q1	15/09/2024	<1	30,000	13	31	9.8	4.72	0.2	7.73
Q2	16/12/2024	4,400	55,000	29	46	31.9	7.34	<0.01	7.11
Q3	16/02/2025	<1	<1	<2	11	14	4.78	0.2	7.52
Q4	15/05/2025	<1	2	4	<5	10.6	1.14	1.48	7.46
<b>Limit</b>		<b>1000</b>	<b>1000</b>	<b>20</b>	<b>30</b>	<b>30</b>	<b>8</b>	<b>0.2 - 2.0</b>	<b>6.5 - 8.5</b>

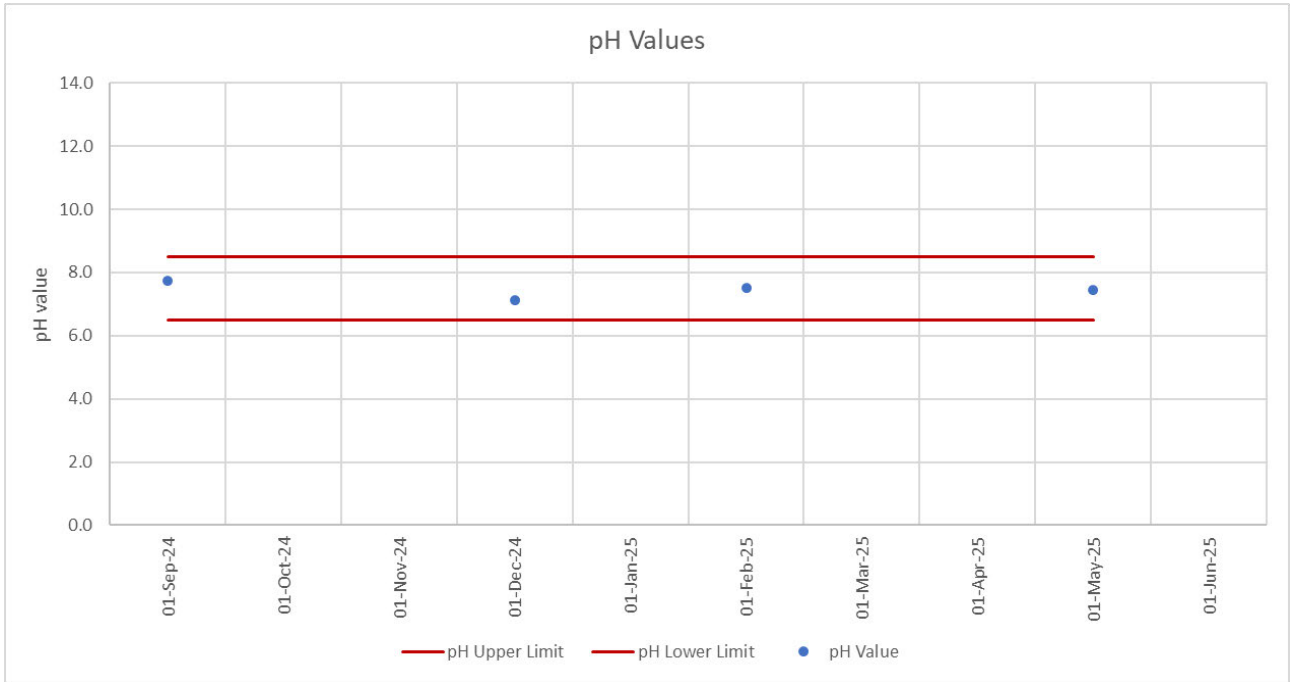


Figure 1: WWTP wastewater pH values

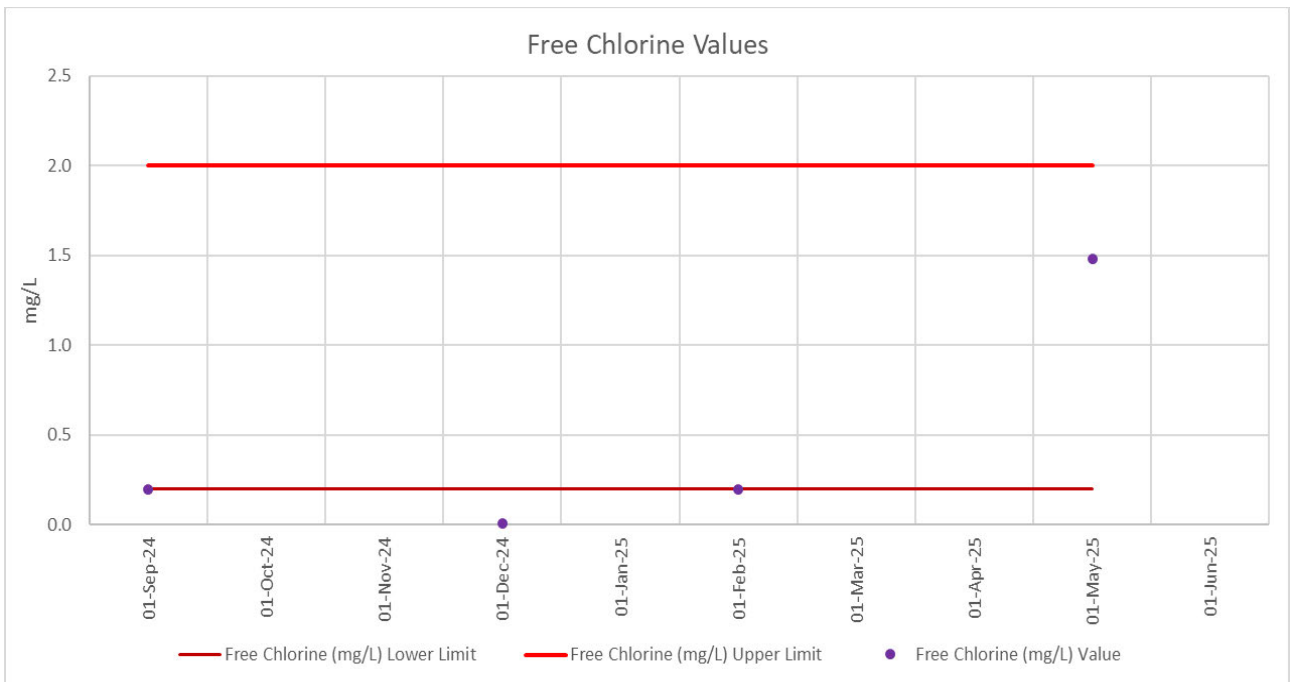


Figure 2: WWTP wastewater free chlorine values

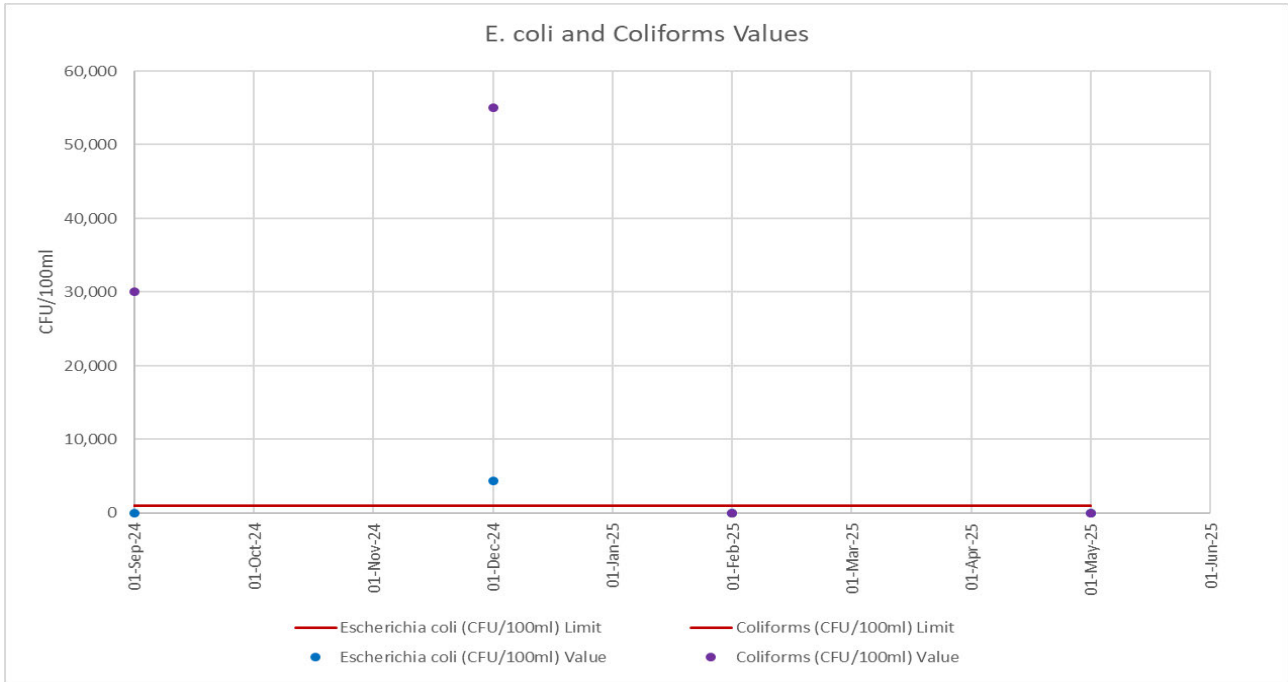


Figure 3: WWTP wastewater E. coli and coliforms values

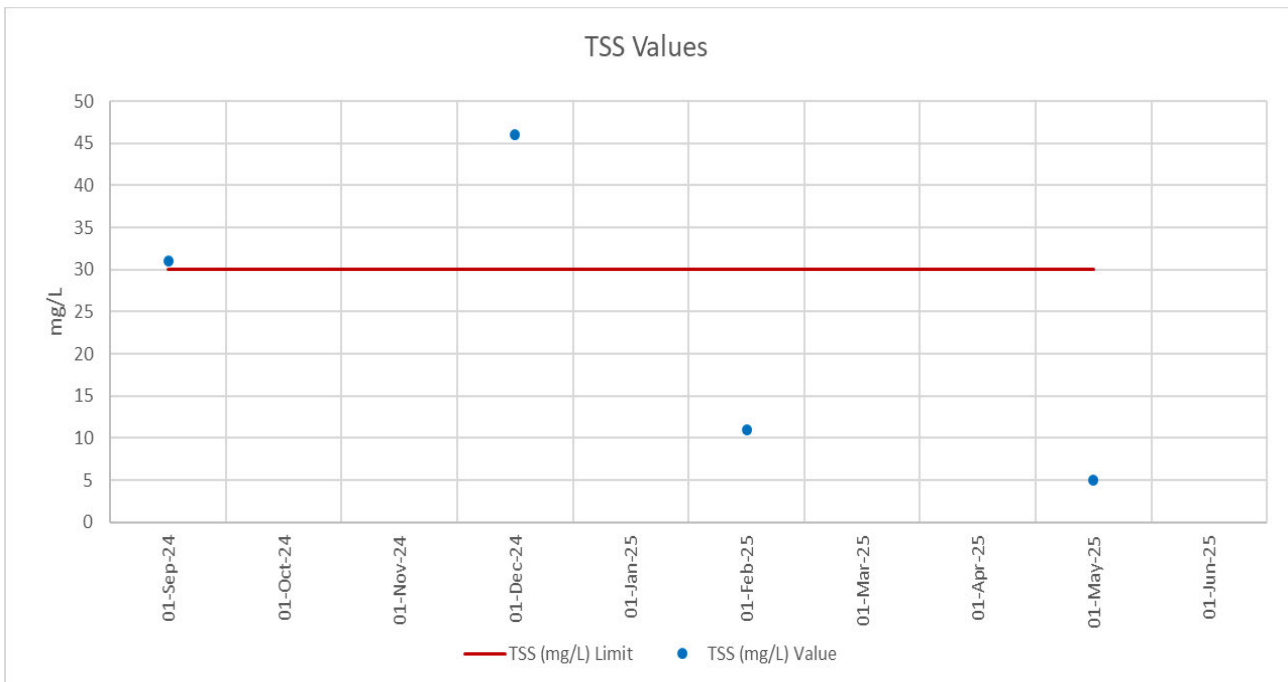


Figure 4: WWTP wastewater total suspended solids values

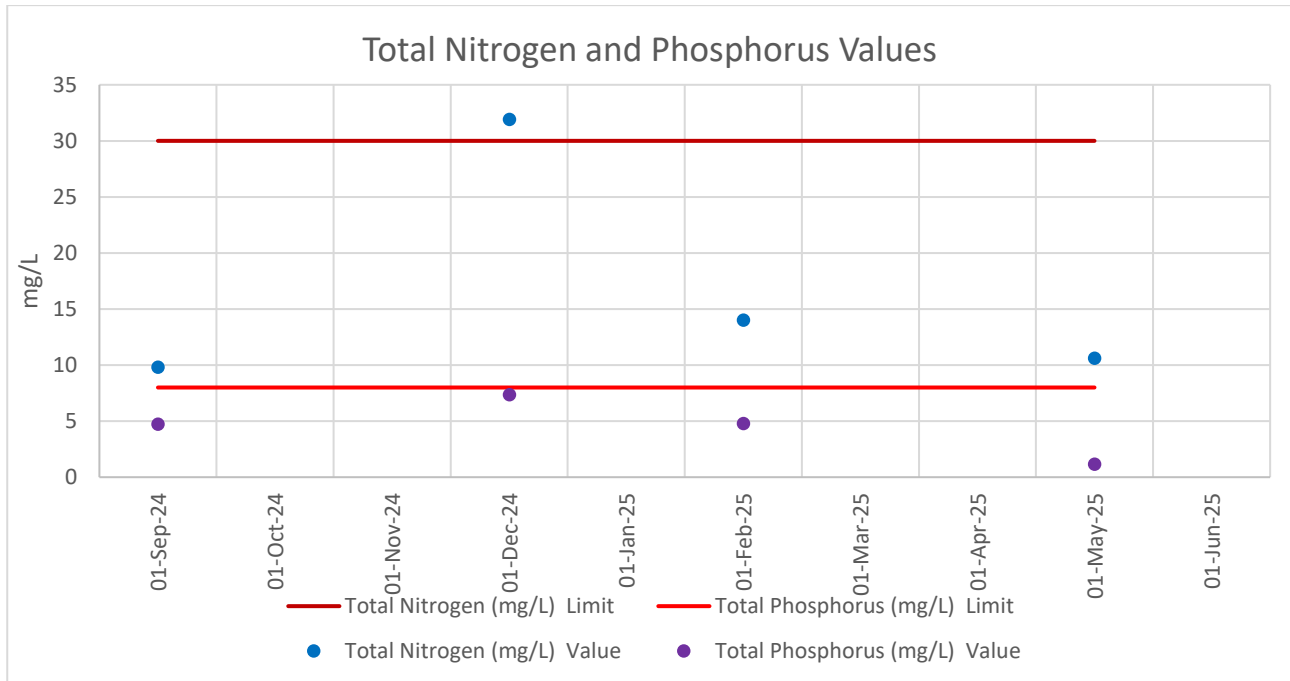


Figure 5: WWTP wastewater total nitrogen and total phosphorus values

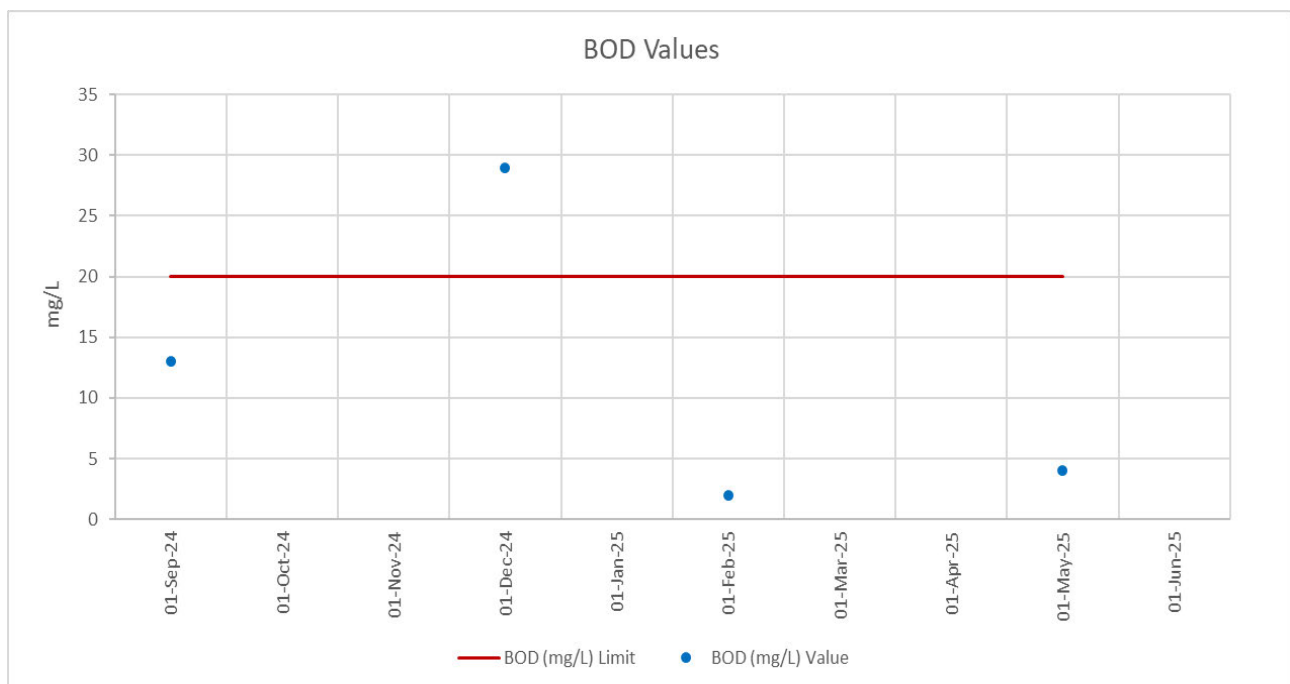


Figure 6: WWTP wastewater biological oxygen demand values

### 1.5.3 WWTP Sprayfield Nutrient Loadings

Treated wastewater nutrient loading calculations are presented in Table 6. Loading rates were calculated quarterly from laboratory results and discharge water volumes, averaged over the sprayfield area (4.75 ha), to achieve a kg/ha/quarter loading rate. Annual loading rates were calculated as the sum of quarterly loading rates.

Table 5: Nutrient loading calculations

		Nutrient Loading				
Parameter	Units	Q1	Q2	Q3	Q4	Annual
Nitrogen	kg/ha	16.92	61.20	32.05	26.52	136.69
Phosphorus	kg/ha	8.15	14.08	10.94	11.96	45.13
BOD	kg/ha	22.45	55.64	4.58	10.01	92.67

### 1.5.4 Data Assessment and Interpretation

Treated effluent results in exceedance of L8345 limits have occurred during the reporting period, as highlighted in Table 4: . Resampling was undertaken in accordance with Table 10, with results from both Q1 and Q2 resamples showing exceedances of the limits. Reports to DWER were submitted for Q1 and Q2 in accordance with L8345 Conditions 19 and 20.

The performance of the WWTP showed improvement throughout the reporting period. Exceedances identified in the first and second quarters prompted the implementation of corrective actions. As a result of these measures, no exceedances of license parameters were recorded in either the third or fourth quarters.

Actions identified to improve the system during the reporting period include:

- Installation of a recirculation line to improve chlorine monitoring;
- Accumulated sludge in the irrigation tank was removed by a licensed waste contractor; and
- Upgrade of the electrical control system to improve operators' awareness of the plant's status, and to enable the manufacturer (Centurion Water Solutions) to access plant information and troubleshoot remotely when needed.

## 1.6 Condition 16 – Groundwater Monitoring Data

Groundwater monitoring data is tabulated in Tables 7 to 10, and graphs are presented in Figures 7 to 14. It is also noted that prior to June 2023, groundwater monitoring was required biannually for 11 bores, including sampling for SWLs, pH, and TDS only.

Table 6: TSF4 Monitoring bore SWLs

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MBH1D	2021-2022	Q1	-	7.73
MBH1D	2021-2022	Q2	-	9.6
MBH1D	2021-2022	Q3	-	8.57
MBH1D	2021-2022	Q4	-	9.27
MBH1D	2022-2023	Q1	1/11/2022	21.69
MBH1D	2022-2023	Q2	1/02/2023	27
MBH1D	2022-2023	Q3	1/04/2023	29.23
MBH1D	2022-2023	Q4	1/08/2023	31.55
MBH1D	2023-2024	Q1	1/11/2023	33.05
MBH1D	2023-2024	Q2	1/02/2024	Bore Dry
MBH1D	2023-2024	Q3	1/05/2024	34.52
MBH1D	2023-2024	Q4	1/08/2024	Bore Dry

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MBH1D	2024-2025	Q1	9/11/2024	Bore Dry
MBH1D	2024-2025	Q2	14/03/2025	Bore Dry
MBH1D	2024-2025	Q3	6/06/2025	Bore Dry
MBH1D	2024-2025	Q4	2/08/2025	Bore Dry
MBH1S	2021-2022	Q1	-	6.43
MBH1S	2021-2022	Q2	-	7.16
MBH1S	2021-2022	Q3	-	Bore Dry
MBH1S	2021-2022	Q4	-	Bore Dry
MBH1S	2022-2023	Q1	1/11/2022	7.24
MBH1S	2022-2023	Q2	1/02/2023	Bore Dry
MBH1S	2022-2023	Q3	1/04/2023	Bore Dry
MBH1S	2022-2023	Q4	1/08/2023	Bore Dry
MBH1S	2023-2024	Q1	1/11/2023	Bore Dry
MBH1S	2023-2024	Q2	1/02/2024	Bore Dry
MBH1S	2023-2024	Q3	1/05/2024	Bore Dry
MBH1S	2023-2024	Q4	1/08/2024	Bore Dry
MBH1S	2024-2025	Q1	9/11/2024	Bore Dry
MBH1S	2024-2025	Q2	14/03/2025	Bore Dry
MBH1S	2024-2025	Q3	6/06/2025	Bore Dry
MBH1S	2024-2025	Q4	2/08/2025	Bore Dry
MBH2D	2021-2022	Q1	-	3.92
MBH2D	2021-2022	Q2	-	5.04
MBH2D	2021-2022	Q3	-	5.38
MBH2D	2021-2022	Q4	-	6.18
MBH2D	2022-2023	Q1	1/11/2022	7.19
MBH2D	2022-2023	Q2	1/02/2023	10.83
MBH2D	2022-2023	Q3	1/04/2023	11.23
MBH2D	2022-2023	Q4	1/08/2023	11.68
MBH2D	2023-2024	Q1	1/11/2023	12.73
MBH2D	2023-2024	Q2	1/02/2024	13.86
MBH2D	2023-2024	Q3	1/05/2024	14.54
MBH2D	2023-2024	Q4	1/08/2024	16.24
MBH2D	2024-2025	Q1	10/11/2024	17.21
MBH2D	2024-2025	Q2	25/03/2025	17.24
MBH2D	2024-2025	Q3	6/06/2025	17.73
MBH2D	2024-2025	Q4	2/08/2025	17.27
MBH2S	2021-2022	Q1	-	6.93
MBH2S	2021-2022	Q2	-	4.76
MBH2S	2021-2022	Q3	-	5.36
MBH2S	2021-2022	Q4	-	6.08
MBH2S	2022-2023	Q1	1/11/2022	Bore Dry
MBH2S	2022-2023	Q2	1/02/2023	Bore Dry
MBH2S	2022-2023	Q3	1/04/2023	Bore Dry

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MBH2S	2022-2023	Q4	1/08/2023	Bore Dry
MBH2S	2023-2024	Q1	1/11/2023	Bore Dry
MBH2S	2023-2024	Q2	1/02/2024	Bore Dry
MBH2S	2023-2024	Q3	1/05/2024	Bore Dry
MBH2S	2023-2024	Q4	1/08/2024	Bore Dry
MBH2S	2024-2025	Q1	10/11/2024	Bore Dry
MBH2S	2024-2025	Q2	25/03/2025	Bore Dry
MBH2S	2024-2025	Q3	6/06/2025	Bore Dry
MBH2S	2024-2025	Q4	2/08/2025	Bore Dry
MBH3D	2021-2022	Q1	-	6.45
MBH3D	2021-2022	Q2	-	6.47
MBH3D	2021-2022	Q3	-	6.605
MBH3D	2021-2022	Q4	-	8.41
MBH3D	2022-2023	Q1	1/11/2022	8.86
MBH3D	2022-2023	Q2	1/02/2023	8.55
MBH3D	2022-2023	Q3	1/04/2023	8.66
MBH3D	2022-2023	Q4	1/08/2023	8.57
MBH3D	2023-2024	Q1	1/11/2023	8.675
MBH3D	2023-2024	Q2	1/02/2024	8.98
MBH3D	2023-2024	Q3	1/05/2024	8.84
MBH3D	2023-2024	Q4	1/08/2024	8.36
MBH3D	2024-2025	Q1	10/11/2024	9.12
MBH3D	2024-2025	Q2	15/03/2025	8.86
MBH3D	2024-2025	Q3	6/06/2025	8.94
MBH3D	2024-2025	Q4	2/08/2025	9.43
MBH3S	2021-2022	Q1	-	6.43
MBH3S	2021-2022	Q2	-	6.67
MBH3S	2021-2022	Q3	-	6.76
MBH3S	2021-2022	Q4	-	6.95
MBH3S	2022-2023	Q1	1/11/2022	Bore Dry
MBH3S	2022-2023	Q2	1/02/2023	Bore Dry
MBH3S	2022-2023	Q3	1/04/2023	Bore Dry
MBH3S	2022-2023	Q4	1/08/2023	Bore Dry
MBH3S	2023-2024	Q1	1/11/2023	Bore Dry
MBH3S	2023-2024	Q2	1/02/2024	Bore Dry
MBH3S	2023-2024	Q3	1/05/2024	Bore Dry
MBH3S	2023-2024	Q4	1/08/2024	Bore Dry
MBH3S	2024-2025	Q1	10/11/2024	Bore Dry
MBH3S	2024-2025	Q2	15/03/2025	Bore Dry
MBH3S	2024-2025	Q3	6/06/2025	Bore Dry
MBH3S	2024-2025	Q4	2/08/2025	Bore Dry
MBH6	2021-2022	Q1	-	6.88
MBH6	2021-2022	Q2	-	6.88

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MBH6	2021-2022	Q3	-	6.935
MBH6	2021-2022	Q4	-	7.8
MBH6	2022-2023	Q1	1/11/2022	8.18
MBH6	2022-2023	Q2	1/02/2023	8.395
MBH6	2022-2023	Q3	1/04/2023	8.405
MBH6	2022-2023	Q4	1/08/2023	8.56
MBH6	2023-2024	Q1	1/11/2023	8.73
MBH6	2023-2024	Q2	1/02/2024	8.93
MBH6	2023-2024	Q3	1/05/2024	8.97
MBH6	2023-2024	Q4	1/08/2024	8.96
MBH6	2024-2025	Q1	8/11/2024	8.97
MBH6	2024-2025	Q2	25/03/2025	9.2
MBH6	2024-2025	Q3	5/06/2025	9.2
MBH6	2024-2025	Q4	2/08/2025	9.06
MBH7	2021-2022	Q1	-	N/A - Not in licence
MBH7	2021-2022	Q2	-	N/A - Not in licence
MBH7	2021-2022	Q3	-	N/A - Not in licence
MBH7	2021-2022	Q4	-	N/A - Not in licence
MBH7	2022-2023	Q1	-	N/A - Not in licence
MBH7	2022-2023	Q2	-	N/A - Not in licence
MBH7	2022-2023	Q3	1/04/2023	8.915
MBH7	2022-2023	Q4	1/08/2023	9.03
MBH7	2023-2024	Q1	1/11/2023	9.16
MBH7	2023-2024	Q2	1/02/2024	9.41
MBH7	2023-2024	Q3	1/05/2024	9.11
MBH7	2023-2024	Q4	1/08/2024	9.29
MBH7	2024-2025	Q1	10/11/2024	8.92
MBH7	2024-2025	Q2	15/03/2025	9.15
MBH7	2024-2025	Q3	5/06/2025	9.1
MBH7	2024-2025	Q4	2/08/2025	8.93
MBH14	2021-2022	Q1	-	N/A - Not in licence
MBH14	2021-2022	Q2	-	N/A - Not in licence
MBH14	2021-2022	Q3	-	N/A - Not in licence
MBH14	2021-2022	Q4	-	N/A - Not in licence
MBH14	2022-2023	Q1	1/11/2022	N/A - Not in licence
MBH14	2022-2023	Q2	1/02/2023	N/A - Not in licence
MBH14	2022-2023	Q3	1/04/2023	N/A - Not in licence
MBH14	2022-2023	Q4	1/08/2023	9.68
MBH14	2023-2024	Q1	1/11/2023	9.6
MBH14	2023-2024	Q2	1/02/2024	10.11
MBH14	2023-2024	Q3	1/05/2024	9.91
MBH14	2023-2024	Q4	1/08/2024	8.94
MBH14	2024-2025	Q1	10/11/2024	9.71

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MBH14	2024-2025	Q2	15/03/2025	8.87
MBH14	2024-2025	Q3	5/06/2025	8.89
MBH14	2024-2025	Q4	2/08/2025	9.01
MBH15	2021-2022	Q1	-	N/A - Not in licence
MBH15	2021-2022	Q2	-	N/A - Not in licence
MBH15	2021-2022	Q3	-	N/A - Not in licence
MBH15	2021-2022	Q4	-	N/A - Not in licence
MBH15	2022-2023	Q1	1/11/2022	N/A - Not in licence
MBH15	2022-2023	Q2	1/02/2023	N/A - Not in licence
MBH15	2022-2023	Q3	1/04/2023	N/A - Not in licence
MBH15	2022-2023	Q4	1/08/2023	9.66
MBH15	2023-2024	Q1	1/11/2023	9.727
MBH15	2023-2024	Q2	1/02/2024	9.93
MBH15	2023-2024	Q3	1/05/2024	9.9
MBH15	2023-2024	Q4	1/08/2024	9.49
MBH15	2024-2025	Q1	10/11/2024	8.9
MBH15	2024-2025	Q2	15/03/2025	8.78
MBH15	2024-2025	Q3	5/06/2025	8.7
MBH15	2024-2025	Q4	2/08/2025	8.49
MBH17	2024-2025	Q1	-	N/A - Not in licence
MBH17	2024-2025	Q2	25/03/2025	9.42
MBH17	2024-2025	Q3	8/06/2025	9.5
MBH17	2024-2025	Q4	3/08/2025	9.36
MBH18	2021-2022	Q1	1/11/2022	N/A - Not in licence
MBH18	2021-2022	Q2	1/02/2023	N/A - Not in licence
MBH18	2021-2022	Q3	1/04/2023	N/A - Not in licence
MBH18	2021-2022	Q4	1/06/2023	N/A - Not in licence
MBH18	2022-2023	Q1	1/11/2023	N/A - Not in licence
MBH18	2022-2023	Q2	1/02/2024	N/A - Not in licence
MBH18	2022-2023	Q3	1/05/2024	N/A - Not in licence
MBH18	2022-2023	Q4	1/08/2024	9.97
MBH18	2023-2024	Q1	1/11/2022	10.12
MBH18	2023-2024	Q2	1/02/2023	10.21
MBH18	2023-2024	Q3	1/04/2023	10.17
MBH18	2023-2024	Q4	1/06/2023	Bore blocked
MBH19	2021-2022	Q1	-	N/A - Not in licence
MBH19	2021-2022	Q2	-	N/A - Not in licence
MBH19	2021-2022	Q3	-	N/A - Not in licence
MBH19	2021-2022	Q4	-	N/A - Not in licence
MBH19	2022-2023	Q1	1/11/2022	N/A - Not in licence
MBH19	2022-2023	Q2	1/02/2023	N/A - Not in licence
MBH19	2022-2023	Q3	1/04/2023	N/A - Not in licence
MBH19	2022-2023	Q4	1/06/2023	9.05

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MBH19	2023-2024	Q1	1/11/2023	9.36
MBH19	2023-2024	Q2	1/02/2024	9.43
MBH19	2023-2024	Q3	1/05/2024	9.46
MBH19	2023-2024	Q4	1/08/2024	9.72
MBH19	2024-2025	Q1	11/11/2024	9.00
MBH19	2024-2025	Q2	25/03/2025	9.19
MBH19	2024-2025	Q3	8/06/2025	9.29
MBH19	2024-2025	Q4	3/08/2025	9.24
MBH21	2021-2022	Q1	-	5.81
MBH21	2021-2022	Q2	-	5.86
MBH21	2021-2022	Q3	-	5.83
MBH21	2021-2022	Q4	-	6.12
MBH21	2022-2023	Q1	1/11/2022	6.33
MBH21	2022-2023	Q2	1/02/2023	6.68
MBH21	2022-2023	Q3	1/04/2023	6.90
MBH21	2022-2023	Q4	1/08/2023	7.31
MBH21	2023-2024	Q1	1/11/2023	7.61
MBH21	2023-2024	Q2	1/02/2024	7.76
MBH21	2023-2024	Q3	1/05/2024	8.12
MBH21	2023-2024	Q4	1/08/2024	8.31
MBH21	2024-2025	Q1	8/11/2024	8.56
MBH21	2024-2025	Q2	25/03/2025	8.70
MBH21	2024-2025	Q3	5/06/2025	8.90
MBH21	2024-2025	Q4	2/08/2025	9.17
MBH23	2021-2022	Q1	-	5.46
MBH23	2021-2022	Q2	-	5.55
MBH23	2021-2022	Q3	-	5.57
MBH23	2021-2022	Q4	-	5.81
MBH23	2022-2023	Q1	1/11/2022	6.03
MBH23	2022-2023	Q2	1/02/2023	6.44
MBH23	2022-2023	Q3	1/04/2023	6.67
MBH23	2022-2023	Q4	1/08/2023	7.15
MBH23	2023-2024	Q1	1/11/2023	7.50
MBH23	2023-2024	Q2	1/02/2024	7.68
MBH23	2023-2024	Q3	1/05/2024	7.78
MBH23	2023-2024	Q4	1/08/2024	8.33
MBH23	2024-2025	Q1	8/11/2024	8.6
MBH23	2024-2025	Q2	25/03/2025	8.75
MBH23	2024-2025	Q3	8/06/2025	9.03
MBH23	2024-2025	Q4	2/08/2025	9.33

Table 7: TSF5 Monitoring Bore SWLs

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MB20-1(D)	2022-2023	Q1	1/11/2022	12.70
MB20-1(D)	2022-2023	Q2	1/01/2023	12.91
MB20-1(D)	2022-2023	Q3	1/04/2023	12.92
MB20-1(D)	2022-2023	Q4	1/07/2023	12.97
MB20-1(D)	2023-2024	Q1	1/11/2023	12.67
MB20-1(D)	2023-2024	Q2	1/02/2024	12.51
MB20-1(D)	2023-2024	Q3	1/06/2024	11.89
MB20-1(D)	2023-2024	Q4	1/08/2024	11.19
MB20-1(D)	2024-2025	Q1	9/11/2024	10.40
MB20-1(D)	2024-2025	Q2	26/03/2025	10.34
MB20-1(D)	2024-2025	Q3	7/06/2025	10.21
MB20-1(D)	2024-2025	Q4	1/08/2025	10.40
MB20-1(S)	2022-2023	Q1	1/11/2022	12.39
MB20-1(S)	2022-2023	Q2	1/01/2023	12.40
MB20-1(S)	2022-2023	Q3	1/04/2023	12.55
MB20-1(S)	2022-2023	Q4	1/07/2023	12.31
MB20-1(S)	2023-2024	Q1	1/11/2023	12.35
MB20-1(S)	2023-2024	Q2	1/02/2024	12.34
MB20-1(S)	2023-2024	Q3	1/06/2024	12.11
MB20-1(S)	2023-2024	Q4	1/08/2024	11.56
MB20-1(S)	2024-2025	Q1	9/11/2024	10.55
MB20-1(S)	2024-2025	Q2	26/03/2025	9.44
MB20-1(S)	2024-2025	Q3	7/06/2025	9.00
MB20-1(S)	2024-2025	Q4	1/08/2025	8.67
MB20-2(D)	2022-2023	Q1	1/11/2022	15.33
MB20-2(D)	2022-2023	Q2	1/01/2023	15.65
MB20-2(D)	2022-2023	Q3	1/04/2023	16.16
MB20-2(D)	2022-2023	Q4	1/07/2023	16.14
MB20-2(D)	2023-2024	Q1	1/11/2023	15.21
MB20-2(D)	2023-2024	Q2	1/02/2024	15.01
MB20-2(D)	2023-2024	Q3	1/06/2024	14.51
MB20-2(D)	2023-2024	Q4	1/08/2024	13.07
MB20-2(D)	2024-2025	Q1	9/11/2024	12.10
MB20-2(D)	2024-2025	Q2	26/03/2025	13.18
MB20-2(D)	2024-2025	Q3	7/06/2025	13.95
MB20-2(D)	2024-2025	Q4	1/08/2025	14.51
MB20-2(S)	2022-2023	Q1	1/11/2022	13.60
MB20-2(S)	2022-2023	Q2	1/01/2023	13.61
MB20-2(S)	2022-2023	Q3	1/04/2023	13.75
MB20-2(S)	2022-2023	Q4	1/07/2023	13.71
MB20-2(S)	2023-2024	Q1	1/11/2023	13.75
MB20-2(S)	2023-2024	Q2	1/02/2024	13.74
MB20-2(S)	2023-2024	Q3	1/06/2024	13.54

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MB20-2(S)	2023-2024	Q4	1/08/2024	12.92
MB20-2(S)	2024-2025	Q1	9/11/2024	11.83
MB20-2(S)	2024-2025	Q2	26/03/2025	10.44
MB20-2(S)	2024-2025	Q3	7/06/2025	9.80
MB20-2(S)	2024-2025	Q4	1/08/2025	9.43
MB20-3(D)	2022-2023	Q1	1/11/2022	15.86
MB20-3(D)	2022-2023	Q2	1/01/2023	16.25
MB20-3(D)	2022-2023	Q3	1/04/2023	17.09
MB20-3(D)	2022-2023	Q4	1/07/2023	16.97
MB20-3(D)	2023-2024	Q1	1/11/2023	15.05
MB20-3(D)	2023-2024	Q2	1/02/2024	15.01
MB20-3(D)	2023-2024	Q3	1/06/2024	15.14
MB20-3(D)	2023-2024	Q4	1/08/2024	13.50
MB20-3(D)	2024-2025	Q1	10/11/2024	12.45
MB20-3(D)	2024-2025	Q2	26/03/2025	14.37
MB20-3(D)	2024-2025	Q3	7/06/2025	15.71
MB20-3(D)	2024-2025	Q4	1/08/2025	17.03
MB20-3(S)	2022-2023	Q1	1/11/2022	14.32
MB20-3(S)	2022-2023	Q2	1/01/2023	14.37
MB20-3(S)	2022-2023	Q3	1/04/2023	14.53
MB20-3(S)	2022-2023	Q4	1/07/2023	14.60
MB20-3(S)	2023-2024	Q1	1/11/2023	14.59
MB20-3(S)	2023-2024	Q2	1/02/2024	14.35
MB20-3(S)	2023-2024	Q3	1/06/2024	Bore Dry
MB20-3(S)	2023-2024	Q4	1/08/2024	13.40
MB20-3(S)	2024-2025	Q1	10/11/2024	12.55
MB20-3(S)	2024-2025	Q2	26/03/2025	11.64
MB20-3(S)	2024-2025	Q3	7/06/2025	11.22
MB20-3(S)	2024-2025	Q4	1/08/2025	10.84
MB20-4(D)	2022-2023	Q1	1/11/2022	16.39
MB20-4(D)	2022-2023	Q2	1/01/2023	17.13
MB20-4(D)	2022-2023	Q3	1/04/2023	18.47
MB20-4(D)	2022-2023	Q4	1/07/2023	18.29
MB20-4(D)	2023-2024	Q1	1/11/2023	24.5
MB20-4(D)	2023-2024	Q2	1/02/2024	18.17
MB20-4(D)	2023-2024	Q3	1/06/2024	20.41
MB20-4(D)	2023-2024	Q4	1/08/2024	18.09
MB20-4(D)	2024-2025	Q1	10/11/2024	17.16
MB20-4(D)	2024-2025	Q2	26/03/2025	21.70
MB20-4(D)	2024-2025	Q3	6/06/2025	24.01
MB20-4(D)	2024-2025	Q4	1/08/2025	25.34
MB20-4(S)	2022-2023	Q1	1/11/2022	15.36
MB20-4(S)	2022-2023	Q2	1/01/2023	15.60
MB20-4(S)	2022-2023	Q3	1/04/2023	Bore Dry

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MB20-4(S)	2022-2023	Q4	1/07/2023	Bore Dry
MB20-4(S)	2023-2024	Q1	1/11/2023	Bore Dry
MB20-4(S)	2023-2024	Q2	1/02/2024	Bore Dry
MB20-4(S)	2023-2024	Q3	1/06/2024	Bore Dry
MB20-4(S)	2023-2024	Q4	1/08/2024	Bore Dry
MB20-4(S)	2024-2025	Q1	10/11/2024	Bore Dry
MB20-4(S)	2024-2025	Q2	26/03/2025	Bore Dry
MB20-4(S)	2024-2025	Q3	6/06/2025	Bore Dry
MB20-4(S)	2024-2025	Q4	1/08/2025	Bore Dry
MB20-5(D)	2022-2023	Q1	1/11/2022	15.74
MB20-5(D)	2022-2023	Q2	1/01/2023	16.65
MB20-5(D)	2022-2023	Q3	1/04/2023	18.48
MB20-5(D)	2022-2023	Q4	1/07/2023	17.73
MB20-5(D)	2023-2024	Q1	1/11/2023	18.00
MB20-5(D)	2023-2024	Q2	1/02/2024	19.97
MB20-5(D)	2023-2024	Q3	1/06/2024	20.34
MB20-5(D)	2023-2024	Q4	1/08/2024	19.22
MB20-5(D)	2024-2025	Q1	10/11/2024	18.32
MB20-5(D)	2024-2025	Q2	26/03/2025	21.16
MB20-5(D)	2024-2025	Q3	6/06/2025	23.25
MB20-5(D)	2024-2025	Q4	1/08/2025	24.06
MB20-5(S)	2022-2023	Q1	1/11/2022	14.57
MB20-5(S)	2022-2023	Q2	1/01/2023	15.15
MB20-5(S)	2022-2023	Q3	1/04/2023	Bore Dry
MB20-5(S)	2022-2023	Q4	1/07/2023	Bore Dry
MB20-5(S)	2023-2024	Q1	1/11/2023	Bore Dry
MB20-5(S)	2023-2024	Q2	1/02/2024	Bore Dry
MB20-5(S)	2023-2024	Q3	1/06/2024	Bore Dry
MB20-5(S)	2023-2024	Q4	1/08/2024	Bore Dry
MB20-5(S)	2024-2025	Q1	10/11/2024	Bore Dry
MB20-5(S)	2024-2025	Q2	26/03/2025	Bore Dry
MB20-5(S)	2024-2025	Q3	6/06/2025	Bore Dry
MB20-5(S)	2024-2025	Q4	1/08/2025	Bore Dry
MB20-6(D)	2022-2023	Q1	1/11/2022	15.79
MB20-6(D)	2022-2023	Q2	1/01/2023	16.89
MB20-6(D)	2022-2023	Q3	1/04/2023	18.84
MB20-6(D)	2022-2023	Q4	1/07/2023	18.89
MB20-6(D)	2023-2024	Q1	1/11/2023	16.39
MB20-6(D)	2023-2024	Q2	1/02/2024	26.46
MB20-6(D)	2023-2024	Q3	1/06/2024	31.98
MB20-6(D)	2023-2024	Q4	1/08/2024	27.06
MB20-6(D)	2024-2025	Q1	11/11/2024	26.15
MB20-6(D)	2024-2025	Q2	14/03/2025	Bore Dry
MB20-6(D)	2024-2025	Q3	6/06/2025	Bore Dry

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MB20-6(D)	2024-2025	Q4	3/08/2025	40.10
MB20-6(S)	2022-2023	Q1	1/11/2022	15.73
MB20-6(S)	2022-2023	Q2	1/01/2023	16.27
MB20-6(S)	2022-2023	Q3	1/04/2023	Bore Dry
MB20-6(S)	2022-2023	Q4	1/07/2023	16.83
MB20-6(S)	2023-2024	Q1	1/11/2023	16.28
MB20-6(S)	2023-2024	Q2	1/02/2024	Bore Dry
MB20-6(S)	2023-2024	Q3	1/06/2024	Bore Dry
MB20-6(S)	2023-2024	Q4	1/08/2024	Bore Dry
MB20-6(S)	2024-2025	Q1	11/11/2024	Bore Dry
MB20-6(S)	2024-2025	Q2	14/03/2025	Bore Dry
MB20-6(S)	2024-2025	Q3	6/06/2025	Bore Dry
MB20-6(S)	2024-2025	Q4	3/08/2025	Bore Dry
MB20-7(D)	2022-2023	Q1	1/11/2022	Bore Dry
MB20-7(D)	2022-2023	Q2	1/01/2023	21.20
MB20-7(D)	2022-2023	Q3	1/03/2023	16.39
MB20-7(D)	2022-2023	Q4	1/06/2023	16.96
MB20-7(D)	2023-2024	Q1	1/12/2023	13.01
MB20-7(D)	2023-2024	Q2	1/02/2024	21.20
MB20-7(D)	2023-2024	Q3	1/05/2024	17.32
MB20-7(D)	2023-2024	Q4	1/08/2024	15.09
MB20-7(D)	2024-2025	Q1	11/11/2024	14.10
MB20-7(D)	2024-2025	Q2	25/03/2025	18.31
MB20-7(D)	2024-2025	Q3	8/06/2025	20.85
MB20-7(D)	2024-2025	Q4	4/08/2025	21.25
MB20-7(S)	2022-2023	Q1	1/11/2022	14.99
MB20-7(S)	2022-2023	Q2	1/01/2023	15.59
MB20-7(S)	2022-2023	Q3	1/04/2023	Bore Dry
MB20-7(S)	2022-2023	Q4	1/07/2023	Bore Dry
MB20-7(S)	2023-2024	Q1	1/12/2023	13.35
MB20-7(S)	2023-2024	Q2	1/02/2024	Bore Dry
MB20-7(S)	2023-2024	Q3	1/06/2024	Bore Dry
MB20-7(S)	2023-2024	Q4	1/07/2024	16.52
MB20-7(S)	2024-2025	Q1	11/11/2024	Bore Dry
MB20-7(S)	2024-2025	Q2	25/03/2025	Bore Dry
MB20-7(S)	2024-2025	Q3	8/06/2025	Bore Dry
MB20-7(S)	2024-2025	Q4	2/08/2025	Bore Dry
MB20-8	2022-2023	Q1	1/11/2022	Bore not constructed
MB20-8	2022-2023	Q2	1/01/2023	Bore not constructed
MB20-8	2022-2023	Q3	1/04/2023	Bore not constructed
MB20-8	2022-2023	Q4	1/07/2023	Bore not constructed
MB20-8	2023-2024	Q1	1/12/2023	43.90
MB20-8	2023-2024	Q2	1/02/2024	43.23
MB20-8	2023-2024	Q3	1/05/2024	42.57

Bore ID	Reporting Period	Quarter	Sampling Date	SWL (mbgl)
MB20-8	2023-2024	Q4	1/08/2024	41.94
MB20-8	2024-2025	Q1	11/11/2024	40.61
MB20-8	2024-2025	Q2	29/03/2025	42.19
MB20-8	2024-2025	Q3	8/06/2025	43.74
MB20-8	2024-2025	Q4	3/08/2025	41.16
MB20-9	2022-2023	Q1	1/11/2022	Bore not constructed
MB20-9	2022-2023	Q2	1/01/2023	Bore not constructed
MB20-9	2022-2023	Q3	1/04/2023	Bore not constructed
MB20-9	2022-2023	Q4	1/07/2023	Bore not constructed
MB20-9	2023-2024	Q1	1/12/2023	46.7
MB20-9	2023-2024	Q2	1/02/2024	46.21
MB20-9	2023-2024	Q3	1/05/2024	45.33
MB20-9	2023-2024	Q4	1/08/2024	44.75
MB20-9	2024-2025	Q1	11/11/2024	42.98
MB20-9	2024-2025	Q2	29/03/2025	38.56
MB20-9	2024-2025	Q3	8/06/2025	Collapsed
MB20-9	2024-2025	Q4	1/08/2025	Collapsed
MB20-10	2022-2023	Q1	1/11/2022	Bore not constructed
MB20-10	2022-2023	Q2	1/01/2023	Bore not constructed
MB20-10	2022-2023	Q3	1/04/2023	Bore not constructed
MB20-10	2022-2023	Q4	1/07/2023	Bore not constructed
MB20-10	2023-2024	Q1	1/12/2023	12.78
MB20-10	2023-2024	Q2	1/02/2024	13.08
MB20-10	2023-2024	Q3	1/05/2024	12.96
MB20-10	2023-2024	Q4	1/08/2024	12.27
MB20-10	2024-2025	Q1	9/11/2024	11.32
MB20-10	2024-2025	Q2	15/03/2025	10.29
MB20-10	2024-2025	Q3	7/06/2025	10.43
MB20-10	2024-2025	Q4	1/08/2025	10.53



Table 8: TSF 4 - Groundwater chemistry

Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate		
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
<b>L8345 Limit Level</b>			-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>ANZG 2018 DGV – 95% Freshwater</b>			-	-	-	-	0.0002	0.0014	0.0034	0.0006	0.008	0.0024	0.0033	0.28	-	0.011	0.0014	-	-	-	-	1.9	-	-		
MBH1D	2021-2022	Q1	7.7	4,500	2,800	< 0.005	N/A	N/A	<0.001	0.0002	N/A	<0.001	N/A	<0.01	130	N/A	N/A	810	64	1,100	110	N/A	N/A	N/A		
MBH1D	2021-2022	Q2	7.9	5,000	2,900	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	< 0.01	120	N/A	N/A	480	85	1,000	150	N/A	N/A	N/A		
MBH1D	2021-2022	Q3	7.9	5,100	3,100	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	< 0.01	110	N/A	N/A	710	73	960	110	N/A	N/A	N/A		
MBH1D	2021-2022	Q4	7	5,400	3,700	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.0001	< 0.005	< 0.001	0.025	< 0.01	110	0.001	0.026	670	58	960	110	N/A	N/A	N/A		
MBH1D	2022-2023	Q1	7.81	5,880	3,950	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	N/A	<0.05	156	<0.001	0.033	887	71	1,450	170	N/A	N/A	N/A		
MBH1D	2022-2023	Q2	NST - Bore Dry																							
MBH1D	2022-2023	Q3	7.97	7,390	N/A	< 0.005	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.027	<0.05	211	<0.001	0.054	1,130	80	1,790	217	N/A	N/A	N/A		
MBH1D	2022-2023	Q4	7.78	7,700	4,940	0.01	<0.0001	<0.001	<0.001	<0.0001	0.02	<0.001	0.025	<0.05	193	<0.001	0.057	1,090	76	1,660	211	N/A	N/A	N/A		
MBH1D	2023-2024	Q1	NST - Bore Dry																							
MBH1D	2023-2024	Q2	NST - Bore Dry																							
MBH1D	2023-2024	Q3	7.31	7,026	4,845	<0.004	<0.0001	0.002	<0.001	<0.0001	0.044	<0.001	0.028	<0.05	196	<0.001	0.101	1050	105	183	1,520	N/A	N/A	N/A		
MBH1D	2023-2024	Q4	NST - Bore Dry																							
MBH1D	2024-2025	Q1	NST - Bore Dry																							
MBH1D	2024-2025	Q2	NST - Bore Dry																							
MBH1D	2024-2025	Q3	NST - Bore Dry																							
MBH1D	2024-2025	Q4	NST - Bore Dry																							
MBH1S	2021-2022	Q1	8.1	6,300	4,700	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	<0.001	N/A	<0.01	220	N/A	N/A	1,400	120	1,500	130	N/A	N/A	N/A		
MBH1S	2021-2022	Q2	NST - Bore Dry																							
MBH1S	2021-2022	Q3	NST - Bore Dry																							
MBH1S	2021-2022	Q4	NST - Bore Dry																							
MBH1S	2022-2023	Q1	NST - Bore Dry																							
MBH1S	2022-2023	Q2	NST - Bore Dry																							
MBH1S	2022-2023	Q3	NST - Bore Dry																							
MBH1S	2022-2023	Q4	NST - Bore Dry																							
MBH1S	2023-2024	Q1	NST - Bore Dry																							
MBH1S	2023-2024	Q2	NST - Bore Dry																							
MBH1S	2023-2024	Q3	NST - Bore Dry																							
MBH1S	2023-2024	Q4	NST - Bore Dry																							
MBH1S	2024-2025	Q1	NST - Bore Dry																							
MBH1S	2024-2025	Q2	NST - Bore Dry																							
MBH1S	2024-2025	Q3	NST - Bore Dry																							
MBH1S	2024-2025	Q4	NST - Bore Dry																							
MBH2D	2021-2022	Q1	7.7	1,000	7,800	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	<0.001	N/A	0.01	370	N/A	N/A	2000	310	3,000	190	N/A	N/A	N/A		
MBH2D	2021-2022	Q2	7.8	6,700	4,900	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	0.02	190	N/A	N/A	1000	75	1,500	190	N/A	N/A	N/A		
MBH2D	2021-2022	Q3	7.9	6,100	4,100	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	0.02	150	N/A	N/A	860	57	1,300	130	N/A	N/A	N/A		
MBH2D	2021-2022	Q4	7.1	6,400	4,000	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.0001	< 0.005	< 0.001	0.008	< 0.01	150	< 0.001	0.04	770	42	1,300	150	N/A	N/A	N/A		
MBH2D	2022-2023	Q1	7.82	6,570	4,480	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	N/A	<0.05	214	<0.001	0.085	1040	50	1,640	188	N/A	N/A	N/A		
MBH2D	2022-2023	Q2	7.8	6,700	4,900	N/A	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	0.02	190	N/A	N/A	1000	75	1,500	190	N/A	N/A	N/A		
MBH2D	2022-2023	Q3	8.06	2,740	1,600	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.009	<0.05	83	<0.001	0.033	417	25	652	60	N/A	N/A	N/A		



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate		
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
<b>L8345 Limit Level</b>			-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>ANZG 2018 DGV – 95% Freshwater</b>			-	-	-	-	0.0002	0.0014	0.0034	0.0006	0.008	0.0024	0.0033	0.28	-	0.011	0.0014	-	-	-	-	-	1.9	-	-	
MBH2D	2022-2023	Q4	7.9	6,010	3,690	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.022	<0.001	0.01	<0.05	162	<0.001	0.036	847	44	1,280	148	N/A	N/A	N/A		
MBH2D	2023-2024	Q1	7.96	6,930	4,240	<0.004	<0.0001	0.003	<0.001	<0.0001	0.044	<0.001	0.014	1.89	184	<0.001	0.103	928	45	179	1,150	N/A	N/A	N/A		
MBH2D	2023-2024	Q2	6.73	5,265	1,917	0.029	<0.0001	0.002	<0.001	0.0004	0.022	<0.001	0.024	<0.05	63	0.002	0.032	396	24	66	748	N/A	N/A	N/A		
MBH2D	2023-2024	Q3	7.36	5,585	3,840	<0.004	0.0001	0.004	<0.001	<0.0001	0.045	<0.001	0.012	<0.05	178	0.004	0.062	820	65	141	1,260	N/A	N/A	N/A		
MBH2D	2023-2024	Q4	7.32	5,950	3,865	<0.004	<0.0001	0.002	<0.001	<0.0001	0.015	<0.001	0.011	<0.05	162	0.003	0.049	891	44	158	1,320	N/A	N/A	N/A		
MBH2D	2024-2025	Q1	7.59	4,830	3,120	<0.004	<0.0001	<0.001	<0.001		0.008	0.001	0.008	<0.05	142	0.001	0.053	724	38	130	1,100	N/A	N/A	N/A		
MBH2D	2024-2025	Q2	7.82	6,560	4,100	<0.004	<0.0001	0.002	<0.001	<0.0001	0.022	<0.001	0.008	<0.05	178	0.002	0.071	854	47	162	1,350	0.002	<1	806		
MBH2D	2024-2025	Q3	7.54	6,680	4,210	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.006	<0.001	0.005	<0.05	194	<0.001	0.048	950	47	178	1,460	0.002	<1	728		
MBH2D	2024-2025	Q4	7.77	5,310	3,140	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.008	<0.001	0.006	<0.05	141	<0.001	0.044	735	36	135	1,120	<0.001	<1	650		
MBH2S	2021-2022	Q1	7.6	6,100	54,000	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	0.001	N/A	<0.01	2,300	N/A	N/A	14000	820	23,000	720	N/A	N/A	N/A		
MBH2S	2021-2022	Q2	7.6	6,200	59,000	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.001	N/A	0.04	2,800	N/A	N/A	10000	670	23,000	880	N/A	N/A	N/A		
MBH2S	2021-2022	Q3	7.8	3,600	30,000	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.001	N/A	< 0.01	1,900	N/A	N/A	7600	410	9,200	420	N/A	N/A	N/A		
MBH2S	2021-2022	Q4	7.1	6,700	57,000	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.0001	< 0.005	< 0.001	< 0.001	< 0.01	< 0.5	< 0.001	< 0.001	< 0.5	< 0.5	22,000	< 0.5	N/A	N/A	N/A		
MBH2S	2022-2023	Q1	NST - Bore Dry																							
MBH2S	2022-2023	Q2	NST - Bore Dry																							
MBH2S	2022-2023	Q3	NST - Bore Dry																							
MBH2S	2022-2023	Q4	NST - Bore Dry																							
MBH2S	2023-2024	Q1	NST - Bore Dry																							
MBH2S	2023-2024	Q2	NST - Bore Dry																							
MBH2S	2023-2024	Q3	NST - Bore Dry																							
MBH2S	2023-2024	Q4	NST - Bore Dry																							
MBH2S	2024-2025	Q1	NST - Bore Dry																							
MBH2S	2024-2025	Q2	NST - Bore Dry																							
MBH2S	2024-2025	Q3	NST - Bore Dry																							
MBH2S	2024-2025	Q4	NST - Bore Dry																							
MBH3D	2021-2022	Q1	8.5	2,300	1,300	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	<0.001	N/A	<0.01	35	N/A	N/A	410	170	460	26	N/A	N/A	N/A		
MBH3D	2021-2022	Q2	8.2	1,800	970	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.007	N/A	0.02	16	N/A	N/A	240	25	350	16	N/A	N/A	N/A		
MBH3D	2021-2022	Q3	8.3	1,800	1,100	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.006	N/A	0.02	14	N/A	N/A	390	23	300	9.7	N/A	N/A	N/A		
MBH3D	2021-2022	Q4	7.4	1,800	1,100	< 0.005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
MBH3D	2022-2023	Q1	8.06	1,550	1,030	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.006	N/A	<0.05	14	<0.001	0.012	309	18	341	12	N/A	N/A	N/A		
MBH3D	2022-2023	Q2	NST - Not recorded																							
MBH3D	2022-2023	Q3	8.2	1,540	914	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.004	0.007	<0.05	12	<0.001	0.015	292	16	328	12	N/A	N/A	N/A		
MBH3D	2022-2023	Q4	8.03	1,040	590	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.013	0.004	0.006	<0.05	12	<0.001	0.015	198	15	186	11	N/A	N/A	N/A		
MBH3D	2023-2024	Q1	8.28	1,690	883	<0.004	<0.0001	0.001	<0.001	<0.0001	0.021	0.004	0.018	0.72	16	<0.001	0.005	338	20	16	338	N/A	N/A	N/A		
MBH3D	2023-2024	Q2	7.42	1,277	656	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.018	0.003	0.017	<0.05	51	<0.001	0.012	417	25	83	428	N/A	N/A	N/A		
MBH3D	2023-2024	Q3	7.66	2,821	2,003	0.006	<0.0001	0.002	<0.001	<0.0001	0.021	0.006	0.01	<0.05	13	<0.001	0.017	270	22	13	334	N/A	N/A	N/A		
MBH3D	2023-2024	Q4	7.95	1,626	1,059	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.005	0.006	<0.05	14	<0.001	0.012	311	18	14	330	N/A	N/A	N/A		
MBH3D	2024-2025	Q1	8.03	1,570	982	0.010	<0.0001	0.001	<0.001		<0.005	0.004	0.008	<0.05	14	<0.001	0.012	291	17	14	318	N/A	N/A	N/A		
MBH3D	2024-2025	Q2	8	1,477	945	0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.004	0.006	<0.05	14	<0.001	0.011	307	17	14	357	<0.001	<1	120		
MBH3D	2024-2025	Q3	8.12	1,780	1,050	<0.004	<0.0001	0.001	<0.001	<0.0001	0.009	0.004	0.005	<0.05	14	<0.001	0.009	326	19	13	352	<0.001	<1	135		



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate		
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
<b>L8345 Limit Level</b>			-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>ANZG 2018 DGV – 95% Freshwater</b>			-	-	-	-	0.0002	0.0014	0.0034	0.0006	0.008	0.0024	0.0033	0.28	-	0.011	0.0014	-	-	-	-	1.9	-	-		
MBH3D	2024-2025	Q4	8.08	2,120	1,270	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.006	0.005	0.005	<0.05	15	<0.001	0.006	317	18	14	429	<0.001	<1	163		
MBH3S	2021-2022	Q1	7.73	2,300	2,455	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	<0.001	N/A	<0.01	35	N/A	N/A	410	170	460	26	N/A	N/A	N/A		
MBH3S	2021-2022	Q2	6.7	3,500	1,800	0.058	N/A	N/A	< 0.001	0.0001	N/A	0.003	N/A	0.24	68	N/A	N/A	360	48	760	100	N/A	N/A	N/A		
MBH3S	2021-2022	Q3	6.9	3,300	1,700	0.025	N/A	N/A	< 0.001	< 0.0001	N/A	0.002	N/A	0.25	57	N/A	N/A	520	41	720	75	N/A	N/A	N/A		
MBH3S	2021-2022	Q4	NST – Bore Dry																							
MBH3S	2022-2023	Q1	NST - Bore Dry																							
MBH3S	2022-2023	Q2	NST - Bore Dry																							
MBH3S	2022-2023	Q3	NST - Bore Dry																							
MBH3S	2022-2023	Q4	NST - Bore Dry																							
MBH3S	2023-2024	Q1	NST - Bore Dry																							
MBH3S	2023-2024	Q2	NST - Bore Dry																							
MBH3S	2023-2024	Q3	NST - Bore Dry																							
MBH3S	2023-2024	Q4	NST - Bore Dry																							
MBH3S	2024-2025	Q1	NST - Bore Dry																							
MBH3S	2024-2025	Q2	NST - Bore Dry																							
MBH3S	2024-2025	Q3	NST - Bore Dry																							
MBH3S	2024-2025	Q4	NST - Bore Dry																							
MBH6	2021-2022	Q1	8.2	1,300	780	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	<0.001	N/A	<0.01	16	N/A	N/A	210	150	210	11	N/A	N/A	N/A		
MBH6	2021-2022	Q2	8	1,400	770	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	< 0.01	19	N/A	N/A	180	24	230	19	N/A	N/A	N/A		
MBH6	2021-2022	Q3	8.1	1,400	860	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	< 0.01	20	N/A	N/A	290	22	230	17	N/A	N/A	N/A		
MBH6	2021-2022	Q4	7	1,500	920	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.0001	< 0.005	< 0.001	0.01	< 0.01	19	< 0.001	0.001	230	17	230	16	N/A	N/A	N/A		
MBH6	2022-2023	Q1	8.01	1,420	902	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	N/A	<0.05	23	<0.001	0.002	263	18	259	20	N/A	N/A	N/A		
MBH6	2022-2023	Q2	NST - Not recorded																							
MBH6	2022-2023	Q3	8.31	1,580	879	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.01	<0.05	33	0.002	<0.001	248	21	348	25	N/A	N/A	N/A		
MBH6	2022-2023	Q4	8.07	1,460	868	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.017	<0.001	0.011	<0.05	19	<0.001	<0.001	236	18	236	18	N/A	N/A	N/A		
MBH6	2023-2024	Q1	8.2	1,480	828	<0.004	<0.0001	0.002	<0.001	<0.0001	0.014	<0.001	0.012	0.13	20	<0.001	0.001	234	19	21	246	N/A	N/A	N/A		
MBH6	2023-2024	Q2	7.04	1,164	669	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.022	<0.001	0.013	<0.05	22	<0.001	<0.001	284	20	27	146	N/A	N/A	N/A		
MBH6	2023-2024	Q3	7.64	1,463	949	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.033	<0.001	0.014	<0.05	21	<0.001	<0.001	228	23	19	256	N/A	N/A	N/A		
MBH6	2023-2024	Q4	7.62	1,563	1,016	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	<0.001	0.012	<0.05	25	<0.001	<0.001	272	20	22	276	N/A	N/A	N/A		
MBH6	2024-2025	Q1	7.83	1,450	902	<0.004	<0.0001	<0.001	<0.001		0.007	<0.001	0.011	<0.05	22	0.002	<0.001	255	19	20	255	N/A	N/A	N/A		
MBH6	2024-2025	Q2	8.04	1,560	930	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.006	<0.001	0.010	<0.05	22	<0.001	<0.001	241	19	22	285	<0.001	<1	122		
MBH6	2024-2025	Q3	7.9	1,510	924	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.009	<0.05	19	<0.001	<0.001	262	19	17	251	<0.001	<1	110		
MBH6	2024-2025	Q4	7.94	1,530	952	0.005	<0.0001	<0.001	<0.001	<0.0001	0.009	<0.001	0.01	<0.05	22	<0.001	<0.001	254	19	21	256	0.005	<1	116		
MBH7	2022-2023	Q3	8.16	1,490	908	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.034	<0.05	25	<0.001	0.022	254	16	284	32	N/A	N/A	N/A		
MBH7	2022-2023	Q4	7.96	841	490	<0.004	<0.0001	0.006	<0.001	<0.0001	0.017	<0.001	0.03	<0.05	11	<0.001	0.022	131	11	125	12	N/A	N/A	N/A		
MBH7	2023-2024	Q1	8.26	1,440	767	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.022	0.001	0.035	0.48	20	<0.001	0.03	218	16	28	243	N/A	N/A	N/A		
MBH7	2023-2024	Q2	7.05	3,131	1,677	0.012	<0.0001	<0.001	<0.001	<0.0001	0.011	0.002	0.024	<0.05	72	<0.001	0.042	666	38	69	641	N/A	N/A	N/A		
MBH7	2023-2024	Q3	7.78	1,279	860	0.011	<0.0001	0.001	<0.001	<0.0001	0.027	0.001	0.035	0.05	19	<0.001	0.026	195	18	23	237	N/A	N/A	N/A		
MBH7	2023-2024	Q4	7.72	1,361	885	0.007	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	0.025	<0.05	20	<0.001	0.019	230	15	22	254	N/A	N/A	N/A		
MBH7	2024-2025	Q1	7.98	1,440	886	0.015	<0.0001	0.002	<0.001		<0.005	0.002	0.026	<0.05	21	0.001	0.018	244	17	26	273	N/A	N/A	N/A		



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate		
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
<b>L8345 Limit Level</b>			-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>ANZG 2018 DGV – 95% Freshwater</b>			-	-	-	-	0.0002	0.0014	0.0034	0.0006	0.008	0.0024	0.0033	0.28	-	0.011	0.0014	-	-	-	-	-	1.9	-	-	
MBH7	2024-2025	Q2	7.71	1,313	845	0.005	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	0.024	<0.05	19	<0.001	0.019	210	14	25	256	<0.001	<1	111		
MBH7	2024-2025	Q3	8.02	1,420	825	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.024	<0.05	18	<0.001	0.014	224	15	22	248	<0.001	<1	126		
MBH7	2024-2025	Q4	8.09	1,370	796	0.005	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.026	<0.05	19	<0.001	0.013	214	15	24	236	0.001	<1	117		
MBH14	2022-2023	Q3	8.17	3,920	2,400	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.024	<0.05	74	<0.001	0.024	714	38	885	64	N/A	N/A	N/A		
MBH14	2022-2023	Q4	8.04	4,030	2,400	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.013	0.002	0.021	<0.05	66	<0.001	0.027	667	36	785	57	N/A	N/A	N/A		
MBH14	2023-2024	Q1	8.32	3,940	2,400	<0.004	<0.0001	0.003	<0.001	<0.0001	0.023	0.003	0.075	2.83	67	<0.001	0.035	665	36	63	836	N/A	N/A	N/A		
MBH14	2023-2024	Q2	7.03	3,061	1,872	0.005	<0.0001	<0.001	<0.001	<0.0001	0.042	0.002	0.022	<0.05	128	<0.001	0.336	826	48	151	746	N/A	N/A	N/A		
MBH14	2023-2024	Q3	7.56	4,015	2,601	0.02	<0.0001	0.001	<0.001	<0.0001	0.034	0.003	0.027	0.07	90	0.001	0.06	753	48	73	860	N/A	N/A	N/A		
MBH14	2023-2024	Q4	7.51	3,608	2,341	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	0.002	0.022	<0.05	61	<0.001	0.024	644	36	55	783	N/A	N/A	N/A		
MBH14	2024-2025	Q1	7.95	3,320	2,060	0.012	<0.0001	0.001	<0.001	<0.0001	<0.005	0.003	0.019	<0.05	55	0.001	0.027	593	33	47	721	N/A	N/A	N/A		
MBH14	2024-2025	Q2	7.78	2,540	1,630	0.006	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.022	<0.05	63	<0.001	0.027	664	35	57	827	<0.001	<1	446		
MBH14	2024-2025	Q3	8.01	4,090	2,370	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.01	0.002	0.022	<0.05	65	<0.001	0.019	661	37	56	830	<0.001	<1	412		
MBH14	2024-2025	Q4	8.11	3,260	1,880	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.006	0.002	0.02	<0.05	59	<0.001	0.02	622	34	50	643	<0.001	<1	319		
MBH15	2022-2023	Q3	7.89	968	622	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.012	<0.05	7	<0.001	<0.001	183	10	172	9	N/A	N/A	N/A		
MBH15	2022-2023	Q4	7.76	658	400	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.016	0.002	0.011	<0.05	4	<0.001	0.001	115	8	102	3	N/A	N/A	N/A		
MBH15	2023-2024	Q1	8.13	1,120	650	<0.004	<0.0001	0.001	<0.001	<0.0001	0.018	0.004	0.029	0.65	9	<0.001	0.004	190	11	9	189	N/A	N/A	N/A		
MBH15	2023-2024	Q2	7.42	1,692	884	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.019	0.009	0.012	<0.05	26	<0.001	0.002	419	28	25	255	N/A	N/A	N/A		
MBH15	2023-2024	Q3	7.94	1,029	675	<0.004	<0.0001	0.002	<0.001	<0.0001	0.028	0.004	0.016	<0.05	7	<0.001	0.002	171	13	8	180	N/A	N/A	N/A		
MBH15	2023-2024	Q4	7.64	1,667	1,083	<0.004	<0.0001	0.002	<0.001	<0.0001	<0.005	0.003	0.011	<0.05	28	<0.001	0.007	271	15	26	360	N/A	N/A	N/A		
MBH15	2024-2025	Q1	7.94	1,130	710	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	0.003	0.011	<0.05	10	<0.001	0.003	206	11	10	206	N/A	N/A	N/A		
MBH15	2024-2025	Q2	7.58	3,230	2,099	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.003	0.011	<0.05	10	<0.001	0.002	204	11	10	203	0.001	<1	82		
MBH15	2024-2025	Q3	8.02	1,240	774	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.029	<0.05	10	<0.001	0.002	226	12	11	200	<0.001	<1	91		
MBH15	2024-2025	Q4	8.15	3,150	1,810	0.006	<0.0001	<0.001	<0.001	<0.0001	0.006	0.002	0.024	<0.05	59	<0.001	0.013	612	33	51	625	<0.001	<1	320		
MBH17	2024-2025	Q2	8.2	2,390	1,420	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.008	0.001	0.026	<0.05	42	0.001	<0.001	345	10	64	500	<0.001	<1	218		
MBH17	2024-2025	Q3	7.93	2,650	1,560	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.016	<0.001	0.024	<0.05	42	<0.001	<0.001	365	10	66	525	<0.001	<1	237		
MBH17	2024-2025	Q4	8.04	2,540	1,420	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.022	0.001	0.022	<0.05	45	<0.001	<0.001	374	11	69	524	<0.001	<1	189		
MBH18	2022-2023	Q3	8.28	1,260	714	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.022	<0.05	21	<0.001	<0.001	202	6	282	29	N/A	N/A	N/A		
MBH18	2022-2023	Q4	8.06	2,220	1,280	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.022	<0.001	0.021	<0.05	38	<0.001	<0.001	343	11	431	59	N/A	N/A	N/A		
MBH18	2023-2024	Q1	8.27	3,690	2,170	<0.004	<0.0001	0.008	<0.001	<0.0001	0.024	0.001	0.028	0.9	74	0.004	0.001	751	19	92	953	N/A	N/A	N/A		
MBH18	2023-2024	Q2	7.01	1,557	851	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.021	0.001	0.029	<0.05	26	<0.001	<0.001	278	9	48	307	N/A	N/A	N/A		
MBH18	2023-2024	Q3	NST – Blocked																							
MBH18	2023-2024	Q4	NST – Blocked																							
MBH19	2022-2023	Q3	8.29	1,540	982	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	0.05	<0.05	23	<0.001	<0.001	273	7	284	39	N/A	N/A	N/A		
MBH19	2022-2023	Q4	8.08	1,580	949	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.016	0.001	0.04	<0.05	21	<0.001	<0.001	259	6	273	37	N/A	N/A	N/A		
MBH19	2023-2024	Q1	8.34	1,650	894	<0.004	<0.0001	0.002	<0.001	<0.0001	0.026	0.002	0.041	0.56	23	<0.001	<0.001	266	7	44	291	N/A	N/A	N/A		
MBH19	2023-2024	Q2	7.04	1,200	676	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.018	0.001	0.033	<0.05	22	<0.001	<0.001	261	8	42	271	N/A	N/A	N/A		
MBH19	2023-2024	Q3	7.64	1,515	1,031	<0.004	<0.0001	0.003	0.002	<0.0001	0.029	0.002	0.032	<0.05	24	0.002	<0.001	254	8	40	288	N/A	N/A	N/A		
MBH19	2023-2024	Q4	7.51	1,948	1,251	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	0.002	0.028	<0.05	28	<0.001	<0.001	323	8	44	378	N/A	N/A	N/A		
MBH19	2024-2025	Q1	7.96	1,530	961	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.026	<0.05	22	<0.001	<0.001	260	7	37	298	N/A	N/A	N/A		
MBH19	2024-2025	Q2	8.21	1,920	1,150	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.007	0.001	0.025	<0.05	29	0.001	<0.001	295	10	44	386	<0.001	<1	129		



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate		
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
<b>L8345 Limit Level</b>			-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>ANZG 2018 DGV – 95% Freshwater</b>			-	-	-	-	0.0002	0.0014	0.0034	0.0006	0.008	0.0024	0.0033	0.28	-	0.011	0.0014	-	-	-	-	-	1.9	-	-	
MBH19	2024-2025	Q3	7.98	1,620	1,010	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.022	<0.05	21	<0.001	<0.001	261	6	36	297	<0.001	<1	93		
MBH19	2024-2025	Q4	8.08	1,610	949	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.01	0.002	0.022	<0.05	20	<0.001	<0.001	253	7	36	292	<0.001	<1	88		
MBH21	2021-2022	Q1	8.3	650	390	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	0.006	N/A	<0.01	7.8	N/A	N/A	120	310	68	7	N/A	N/A	N/A		
MBH21	2021-2022	Q2	7.8	1,200	690	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.008	N/A	< 0.01	25	N/A	N/A	200	13	240	12	N/A	N/A	N/A		
MBH21	2021-2022	Q3	8	680	410	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.006	N/A	< 0.01	4.7	N/A	N/A	130	11	73	3.8	N/A	N/A	N/A		
MBH21	2021-2022	Q4	6.8	710	430	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.0001	< 0.005	0.006	0.007	< 0.01	4.2	< 0.001	< 0.001	130	9.6	57	4.3	N/A	N/A	N/A		
MBH21	2022-2023	Q1	7.9	933	627		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.005	N/A	<0.05	14	0.001	0.004	193	10	175	8	N/A	N/A	N/A		
MBH21	2022-2023	Q2	NST - Not recorded																							
MBH21	2022-2023	Q3	8.09	625	432		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.005	0.004	<0.05	4	<0.001	<0.001	124	10	65	4	N/A	N/A	N/A		
MBH21	2022-2023	Q4	7.93	634	420		<0.0001	<0.001	<0.001	<0.0001	0.022	0.004	0.004	<0.05	3	<0.001	<0.001	120	9	56	4	N/A	N/A	N/A		
MBH21	2023-2024	Q1	8.24	721	441	<0.004	<0.0001	0.005	<0.001	<0.0001	0.021	0.005	0.012	1.05	7	<0.001	<0.001	140	11	10	80	N/A	N/A	N/A		
MBH21	2023-2024	Q2	6.95	524	305	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.004	0.005	<0.05	7	<0.001	<0.001	142	12	7	94	N/A	N/A	N/A		
MBH21	2023-2024	Q3	7.57	632	412	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.039	0.006	0.004	<0.05	3	<0.001	<0.001	114	10	4	58	N/A	N/A	N/A		
MBH21	2023-2024	Q4	7.53	1,189	770	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.005	0.004	<0.05	12	<0.001	<0.001	208	16	10	188	N/A	N/A	N/A		
MBH21	2024-2025	Q1	7.75	611	440	<0.004	<0.0001	0.002	<0.001		<0.005	0.005	0.004	<0.05	4	0.001	<0.001	124	9	4	62	N/A	N/A	N/A		
MBH21	2024-2025	Q2	8.03	591	424	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.005	0.003	<0.05	3	<0.001	<0.001	116	10	2	55	<0.001	<1	31		
MBH21	2024-2025	Q3	7.88	978	629	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.003	0.006	<0.05	10	<0.001	<0.001	172	13	11	133	0.001	<1	64		
MBH21	2024-2025	Q4	8.12	802	478	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.005	0.004	<0.05	4	<0.001	<0.001	131	10	4	91	<0.001	<1	43		
MBH23	2021-2022	Q1	7.8	4,900	7,000	< 0.005	N/A	N/A	<0.001	<0.0001	N/A	<0.001	N/A	<0.01	140	N/A	N/A	600	320	1,100	200	N/A	N/A	N/A		
MBH23	2021-2022	Q2	8	5,700	4,400	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	0.001	N/A	< 0.01	160	N/A	N/A	920	58	1,300	290	N/A	N/A	N/A		
MBH23	2021-2022	Q3	7.9	5,700	4,100	< 0.005	N/A	N/A	< 0.001	< 0.0001	N/A	< 0.001	N/A	< 0.01	130	N/A	N/A	680	55	1,300	210	N/A	N/A	N/A		
MBH23	2021-2022	Q4	7.2	6,100	3,500	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.0001	< 0.005	< 0.001	0.042	< 0.01	140	0.001	< 0.001	680	42	1,100	240	N/A	N/A	N/A		
MBH23	2022-2023	Q1	7.72	5,600	3,840		<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	N/A	<0.05	144	<0.001	<0.001	798	43	1,410	248	N/A	N/A	N/A		
MBH23	2022-2023	Q2	NST - Not recorded																							
MBH23	2022-2023	Q3	8	5,560	3,670	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	0.045	<0.05	154	0.002	<0.001	757	44	1,360	256	N/A	N/A	N/A		
MBH23	2022-2023	Q4	7.86	5,750	3,760	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.023	<0.001	0.04	<0.05	138	0.002	<0.001	706	41	1,240	243	N/A	N/A	N/A		
MBH23	2023-2024	Q1	8.09	5,990	3,700	<0.004	<0.0001	0.004	<0.001	<0.0001	0.029	<0.001	0.073	3.56	137	<0.001	<0.001	780	42	244	1,300	N/A	N/A	N/A		
MBH23	2023-2024	Q2	6.76	4,891	2,600	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.028	<0.001	0.007	<0.05	182	0.001	0.077	885	47	181	760	N/A	N/A	N/A		
MBH23	2023-2024	Q3	7.21	5,183	3,508	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.03	<0.001	0.055	<0.05	162	<0.001	<0.001	729	50	228	1,240	N/A	N/A	N/A		
MBH23	2023-2024	Q4	7.17	4,660	3,029	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	0.044	<0.05	116	<0.001	<0.001	655	37	178	1,040	N/A	N/A	N/A		
MBH23	2024-2025	Q1	7.72	4,050	2,640	<0.004	<0.0001	0.002	<0.001		0.006	0.001	0.040	<0.05	110	0.001	<0.001	563	36	159	937	N/A	N/A	N/A		
MBH23	2024-2025	Q2	7.89	5,610	3,580	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.011	<0.001	0.042	<0.05	151	<0.001	0.015	695	46	195	1,140	0.002	<1	636		
MBH23	2024-2025	Q3	7.73	4,110	2,520	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.011	<0.001	0.052	<0.05	104	<0.001	<0.001	552	34	144	866	<0.001	<1	419		
MBH23	2024-2025	Q4	7.93	3,480	2,080	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.013	<0.001	0.046	<0.05	84	<0.001	<0.001	441	30	121	753	<0.001	<1	378		

Note: ANZG 2018 DGV values refer to the 95% Level of species protection for freshwater ecosystems (2000) available via: <https://www.waterquality.gov.au/anz-guidelines>



Table 9: TSF 5 - Groundwater chemistry

Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate	
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
<b>L8345 Limit Level</b>			-	-	-	<b>0.5</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>ANZG 2018 DGV - 95% Freshwater</b>			-	-	-	-	<b>0.0002</b>	<b>0.0014</b>	<b>0.0034</b>	<b>0.0006</b>	<b>0.008</b>	<b>0.0024</b>	<b>0.0033</b>	<b>0.28</b>	-	<b>0.011</b>	<b>0.0014</b>	-	-	-	-	<b>1.9</b>	-	-	
MB20-1D	2022-2023	Q1	8.08	5,440	3,490		<0.0001	<0.001	<0.001	<0.0001	0.008	<b>0.025</b>	N/A	<0.05	94	0.002	<b>0.002</b>	1,030	61	73	1,330	N/A	N/A	N/A	
MB20-1D	2022-2023	Q2	NST - Not recorded																						
MB20-1D	2022-2023	Q3	8.37	5,490	3,380		<0.0001	0.001	<0.001	<0.0001	<0.005	<b>0.02</b>	<b>0.024</b>	<0.05	92	0.002	<b>0.002</b>	1,010	61	62	1,290	N/A	N/A	N/A	
MB20-1D	2022-2023	Q4	8.33	5,590	3,310		<0.0001	0.001	<0.001	<0.0001	<b>0.017</b>	<b>0.018</b>	<b>0.022</b>	<0.05	86	0.001	0.001	975	58	54	1,170	N/A	N/A	N/A	
MB20-1D	2023-2024	Q1	8.36	3,870	2,160	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.037</b>	<b>0.01</b>	<b>0.041</b>	<0.05	61	0.002	<0.001	683	51	47	756	N/A	N/A	N/A	
MB20-1D	2023-2024	Q2	7.94	3,573	2,327	<0.004	<0.0001	<b>0.003</b>	<0.001	<0.0001	<b>0.017</b>	<b>0.014</b>	<b>0.026</b>	<0.05	89	0.003	0.001	961	60	55	711	N/A	N/A	N/A	
MB20-1D	2023-2024	Q3	8.32	3,311	2,242	<0.004	<0.0001	<b>0.003</b>	<0.001	<0.0001	<b>0.022</b>	<b>0.017</b>	<b>0.031</b>	<0.05	108	0.004	0.001	1,020	72	56	1,150	N/A	N/A	N/A	
MB20-1D	2023-2024	Q4	8.14	4,902	3,197	<0.004	<0.0001	<b>0.008</b>	<0.001	<0.0001	<0.005	<b>0.012</b>	<b>0.028</b>	<0.05	77	0.005	0.001	906	48	46	1,050	N/A	N/A	N/A	
MB20-1D	2024-2025	Q1	8	3,220	1,960	<0.004	<0.0001	<b>0.002</b>	<0.001		<0.005	0.001	<b>0.113</b>	<0.05	35	0.002	<0.001	612	51	37	707	N/A	N/A	N/A	
MB20-1D	2024-2025	Q2	8.17	2,420	1,440	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	<b>0.049</b>	<0.05	29	<0.001	<0.001	380	15	38	490	<0.001	<1	186	
MB20-1D	2024-2025	Q3	8.06	2,380	1,480	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.035</b>	<0.001	<b>0.048</b>	<0.05	30	<0.001	<0.001	401	17	36	481	<0.001	<1	184	
MB20-1D	2024-2025	Q4	7.98	5,580	3,250	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.014</b>	<0.001	<b>0.064</b>	<0.05	106	0.002	<0.001	898	61	78	1,100	0.013	<1	681	
MB20-1S	2022-2023	Q1	8	2,380	1,520		<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.003</b>		<0.05	36	<0.001	<0.001	457	17	45	528	N/A	N/A	N/A	
MB20-1S	2022-2023	Q3	8.21	2,360	1,430		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	<b>0.046</b>	<0.05	32	<0.001	<0.001	430	16	42	450	N/A	N/A	N/A	
MB20-1S	2022-2023	Q4	8.13	2,450	1,390		<0.0001	<0.001	<0.001	<0.0001	<b>0.018</b>	0.002	<b>0.046</b>	<0.05	32	<0.001	<0.001	428	16	39	465	N/A	N/A	N/A	
MB20-1S	2023-2024	Q1	8.38	2,390	1,350	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.032</b>	0.002	<b>0.048</b>	<0.05	30	<0.001	<0.001	402	17	42	480	N/A	N/A	N/A	
MB20-1S	2023-2024	Q2	7.19	2,057	1,306	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.009</b>	<b>0.004</b>	<b>0.043</b>	<0.05	46	0.001	<0.001	541	27	45	361	N/A	N/A	N/A	
MB20-1S	2023-2024	Q3	7.57	2,652	1,777	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.028</b>	<b>0.004</b>	<b>0.052</b>	<0.05	46	<0.001	<0.001	508	27	47	569	N/A	N/A	N/A	
MB20-1S	2023-2024	Q4	7.59	2,928	1,895	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<0.005	<b>0.004</b>	<b>0.045</b>	<0.05	40	0.002	<0.001	528	24	42	600	N/A	N/A	N/A	
MB20-1S	2024-2025	Q1	8.09	3,700	2,290	<0.004	<0.0001	<b>0.003</b>	<0.001		0.007	<b>0.007</b>	<b>0.04</b>	<0.05	58	0.003	<0.001	664	36	44	825	N/A	N/A	N/A	
MB20-1S	2024-2025	Q2	8.44	5,610	3,340	<0.004	<0.0001	<b>0.004</b>	<0.001	<0.0001	<b>0.015</b>	<b>0.013</b>	<b>0.032</b>	<0.05	88	0.004	<0.001	929	59	53	1,130	<0.001	10	610	
MB20-1S	2024-2025	Q3	8.01	3,350	1,930	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.024</b>	0.001	<b>0.047</b>	<0.05	45	<0.001	<0.001	575	29	44	664	<0.001	<1	304	
MB20-1S	2024-2025	Q4	8.16	5,640	3,310	<0.004	<0.0001	<0.001	<0.001	<0.0001	0.007	<b>0.006</b>	<b>0.046</b>	<0.05	86	0.002	<0.001	952	56	71	1,120	<0.001	<1	664	
MB20-2D	2022-2023	Q1	8.03	5,220	3,350		<0.0001	<0.001	<0.001	<0.0001	<b>0.017</b>	<b>0.02</b>		<0.05	102	0.003	0.001	960	60	85	1,180	N/A	N/A	N/A	
MB20-2D	2022-2023	Q3	8.25	5,370	3,330		<0.0001	0.001	<0.001	<0.0001	<b>0.009</b>	<b>0.018</b>	<b>0.012</b>	<0.05	103	0.003	0.001	950	59	89	1,260	N/A	N/A	N/A	
MB20-2D	2022-2023	Q4	8.19	5,560	3,300		<0.0001	<0.001	<0.001	<0.0001	<b>0.016</b>	<b>0.018</b>	<b>0.008</b>	<0.05	97	0.002	0.001	919	56	83	1,130	N/A	N/A	N/A	
MB20-2D	2023-2024	Q1	8.33	2,750	1,600	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<b>0.034</b>	<b>0.016</b>	<b>0.017</b>	<0.05	50	0.008	<b>0.002</b>	447	36	41	654	N/A	N/A	N/A	
MB20-2D	2023-2024	Q2	7.16	2,950	1,917	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.024</b>	<b>0.01</b>	<b>0.027</b>	<0.05	62	0.004	<0.001	611	40	61	396	N/A	N/A	N/A	
MB20-2D	2023-2024	Q3	7.78	2,011	1,736	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<b>0.049</b>	<b>0.023</b>	<b>0.007</b>	<0.05	111	0.012	<b>0.002</b>	930	86	80	1,180	N/A	N/A	N/A	
MB20-2D	2023-2024	Q4	7.67	4,928	3,203	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.012</b>	<b>0.014</b>	<b>0.015</b>	<0.05	83	0.008	0.001	864	51	73	1,020	N/A	N/A	N/A	
MB20-2D	2024-2025	Q1	8.05	5,380	3,340	<0.004	<0.0001	<b>0.003</b>	<0.001		<b>0.019</b>	<b>0.016</b>	<b>0.008</b>	<0.05	100	0.008	0.001	922	60	80	1,190	N/A	N/A	N/A	
MB20-2D	2024-2025	Q2	8.39	1,420	876	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	<b>0.134</b>	<0.05	13	<0.001	<0.001	229	16	22	183	0.002	5	86	
MB20-2D	2024-2025	Q3	7.98	5,580	3,280	<0.004	<0.0001	<b>0.035</b>	<0.001	<0.0001	<b>0.404</b>	<0.001	<b>0.062</b>	<0.05	107	0.014	<0.001	906	60	79	1,100	0.007	<1	566	
MB20-2D	2024-2025	Q4	8.26	1,680	1,060	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	<b>0.155</b>	<0.05	14	0.002	<0.001	306	19	21	203	0.072	<1	133	
MB20-2S	2022-2023	Q1	8.05	2,240	1,440		<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.003</b>	N/A	<0.05	29	<0.001	<b>0.002</b>	354	19	37	526	N/A	N/A	N/A	
MB20-2S	2022-2023	Q3	8.28	3,200	1,910		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.01	<b>0.03</b>	<0.05	53	0.001	<0.001	556	34	52	653	N/A	N/A	N/A	
MB20-2S	2022-2023	Q4	8.26	1,530	866		<0.0001	<0.001	<0.001	<0.0001	<b>0.014</b>	<b>0.003</b>	<b>0.048</b>	<0.05	16	<0.001	<0.001	265	16	22	233	N/A	N/A	N/A	
MB20-2S	2023-2024	Q1	8.39	1,760	1,050	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.004</b>	<b>0.024</b>	<0.05	22	<0.001	<0.001	305	20	31	294	N/A	N/A	N/A	
MB20-2S	2023-2024	Q2	7.38	1,111	689	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.02</b>	0.002	<b>0.05</b>	<0.05	23	<0.001	<0.001	324	19	32	208	N/A	N/A	N/A	



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate	
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
<b>L8345 Limit Level</b>			-	-	-	<b>0.5</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>ANZG 2018 DGV - 95% Freshwater</b>			-	-	-	-	<b>0.0002</b>	<b>0.0014</b>	<b>0.0034</b>	<b>0.0006</b>	<b>0.008</b>	<b>0.0024</b>	<b>0.0033</b>	<b>0.28</b>	-	<b>0.011</b>	<b>0.0014</b>	-	-	-	-	-	<b>1.9</b>	-	-
MB20-2S	2023-2024	Q3	7.94	1,366	1,117	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.132</b>	<b>0.004</b>	<b>0.053</b>	<0.05	20	<0.001	<0.001	266	23	24	264	N/A	N/A	N/A	
MB20-2S	2023-2024	Q4	7.73	2,077	1,335	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.004</b>	<b>0.04</b>	<0.05	28	0.001	<0.001	383	24	35	388	N/A	N/A	N/A	
MB20-2S	2024-2025	Q1																							
MB20-2S	2024-2025	Q2																							
MB20-2S	2024-2025	Q3																							
MB20-2S	2024-2025	Q4																							
MB20-3D	2022-2023	Q1	8.11	2,800	1,870		<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.004</b>		<0.05	26	<0.001	<0.001	607	33	25	484	N/A	N/A	N/A	
MB20-3D	2022-2023	Q3	8.24	2,660	1,650		<0.0001	<b>0.002</b>	<0.001	<0.0001	<0.005	<0.001	<b>0.288</b>	<0.05	22	<0.001	<0.001	554	31	24	428	N/A	N/A	N/A	
MB20-3D	2022-2023	Q4	8.21	2,880	1,790		<0.0001	<0.001	<0.001	<0.0001	<b>0.02</b>	<0.001	<b>0.301</b>	<0.05	20	<0.001	<0.001	560	30	20	422	N/A	N/A	N/A	
MB20-3D	2023-2024	Q1	8.39	2,920	1,700	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.021</b>	<0.001	<b>0.326</b>	<0.05	20	0.002	<0.001	547	31	20	439	N/A	N/A	N/A	
MB20-3D	2023-2024	Q2	7.05	1,787	1,137	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.023</b>	<0.001	<b>0.289</b>	<0.05	21	<0.001	<0.001	524	31	22	243	N/A	N/A	N/A	
MB20-3D	2023-2024	Q3	7.66	2,482	1,829	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.023</b>	<0.001	<b>0.304</b>	<0.05	18	<0.001	<0.001	622	28	16	451	N/A	N/A	N/A	
MB20-3D	2023-2024	Q4	7.57	2,515	1,635	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	<b>0.265</b>	<0.05	21	<0.001	<0.001	498	30	21	396	N/A	N/A	N/A	
MB20-3D	2024-2025	Q1	8.15	1,550	928	<0.004	<0.0001	<0.001	<0.001		<0.005	0.002	<b>0.046</b>	<0.05	19	<0.001	<0.001	288	18	24	257	N/A	N/A	N/A	
MB20-3D	2024-2025	Q2	NST - Bore Dry																						
MB20-3D	2024-2025	Q3	NST - Bore Dry																						
MB20-3D	2024-2025	Q4	NST - Bore Dry																						
MB20-3S	2022-2023	Q1	7.98	2,630	1,660		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001		<0.05	44	<0.001	0.002	454	28	72	627	N/A	N/A	N/A	
MB20-3S	2022-2023	Q3	8.26	1,980	1,130		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	<b>0.054</b>	<0.05	27	<0.001	0.001	357	21	43	394	N/A	N/A	N/A	
MB20-3S	2022-2023	Q4	8.26	1,540	910		<0.0001	<0.001	<0.001	<0.0001	0.007	<0.001	<b>0.131</b>	<0.05	17	<0.001	<0.001	274	19	29	224	N/A	N/A	N/A	
MB20-3S	2023-2024	Q1	8.19	1,300	688	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<b>0.029</b>	<0.001	<b>0.14</b>	<0.05	18	<0.001	<0.001	341	21	27	281	N/A	N/A	N/A	
MB20-3S	2023-2024	Q2	7.17	3,419	2,171	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.027</b>	<b>0.016</b>	<b>0.012</b>	<0.05	96	0.009	<b>0.002</b>	874	57	86	510	N/A	N/A	N/A	
MB20-3S	2023-2024	Q3	NST - Bore Dry																						
MB20-3S	2023-2024	Q4	7.92	1,554	1,010	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.001	<b>0.093</b>	<0.05	19	<0.001	<0.001	284	19	27	246	N/A	N/A	N/A	
MB20-3S	2024-2025	Q1	8.14	1,350	858	<0.004	<0.0001	<0.001	<0.001		<0.005	<0.001	<b>0.094</b>	<0.05	16	<0.001	<0.001	267	17	25	189	N/A	N/A	N/A	
MB20-3S	2024-2025	Q2	8.26	2,930	1,790	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	<b>0.324</b>	<0.05	21	<0.001	<0.001	548	33	20	460	0.002	<1	399	
MB20-3S	2024-2025	Q3	8.3	1,340	831	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<0.005	0.001	<b>0.152</b>	<0.05	12	<0.001	<0.001	245	18	20	137	<0.001	<1	66	
MB20-3S	2024-2025	Q4	8.43	3,120	1,940	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.003</b>	<b>0.273</b>	<0.05	18	<0.001	<0.001	612	35	18	474	<0.001	9	428	
MB20-4D	2022-2023	Q1	8.18	3,410	2,190		<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.008</b>	N/A	<0.05	28	<0.001	<b>0.003</b>	730	42	26	614	N/A	N/A	N/A	
MB20-4D	2022-2023	Q3	8.33	3,200	1,960		<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	<b>0.277</b>	<0.05	21	<0.001	<0.001	685	38	15	512	N/A	N/A	N/A	
MB20-4D	2022-2023	Q4	8.31	3,210	1,970		<0.0001	0.001	<0.001	<0.0001	<b>0.017</b>	0.002	<b>0.26</b>	<0.05	20	<0.001	<0.001	644	35	14	505	N/A	N/A	N/A	
MB20-4D	2023-2024	Q1	8.23	3,470	2,000	<0.004	0.0001	<0.001	<0.001	<0.0001	<b>0.044</b>	<b>0.007</b>	<b>0.258</b>	<0.05	23	<0.001	<0.001	648	37	21	539	N/A	N/A	N/A	
MB20-4D	2023-2024	Q2	7.16	2,106	1,326	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.021</b>	0.001	<b>0.289</b>	<0.05	20	<0.001	<0.001	592	35	19	229	N/A	N/A	N/A	
MB20-4D	2023-2024	Q3	7.72	2,821	2,003	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.022</b>	0.002	<b>0.28</b>	<0.05	17	<0.001	<0.001	682	31	13	504	N/A	N/A	N/A	
MB20-4D	2023-2024	Q4	7.76	3,040	1,977	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	<b>0.288</b>	<0.05	21	<0.001	<0.001	622	36	16	501	N/A	N/A	N/A	
MB20-4D	2024-2025	Q1	8.15	2,920	1,890	<0.004	<0.0001	<0.001	<0.001		0.006	0.002	<b>0.302</b>	<0.05	21	<0.001	<0.001	623	35	17	474	N/A	N/A	N/A	
MB20-4D	2024-2025	Q2	8.32	7,080	4,300	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<0.005	<b>0.032</b>	0.001	<0.05	86	0.004	<0.001	1,180	87	78	1,380	0.078	2	781	
MB20-4D	2024-2025	Q3	8.17	7,090	4,270	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	<b>0.009</b>	<0.001	<0.05	79	0.001	<0.001	1,240	87	57	1,360	0.059	<1	759	
MB20-4D	2024-2025	Q4	8.4	3,810	2,300	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.004</b>	<b>0.204</b>	<0.05	37	0.001	<b>0.002</b>	777	48	30	641	0.009	9	518	
MB20-4S	2022-2023	Q4	NST - Bore Dry																						



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate		
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L					
<b>L8345 Limit Level</b>			-	-	-	<b>0.5</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>ANZG 2018 DGV - 95% Freshwater</b>			-	-	-	-	<b>0.0002</b>	<b>0.0014</b>	<b>0.0034</b>	<b>0.0006</b>	<b>0.008</b>	<b>0.0024</b>	<b>0.0033</b>	<b>0.28</b>	-	<b>0.011</b>	<b>0.0014</b>	-	-	-	-	-	<b>1.9</b>	-	-	
MB20-4S	2023-2024	Q1	NST - Bore Dry																							
MB20-4S	2023-2024	Q2	NST - Bore Dry																							
MB20-4S	2023-2024	Q3	NST - Bore Dry																							
MB20-4S	2023-2024	Q4	NST - Bore Dry																							
MB20-4S	2024-2025	Q1	NST - Bore Dry																							
MB20-4S	2024-2025	Q2	NST - Bore Dry																							
MB20-4S	2024-2025	Q3	NST - Bore Dry																							
MB20-4S	2024-2025	Q4	NST - Bore Dry																							
MB20-5D	2022-2023	Q1	8.23	6,460	4,160		<0.0001	<b>0.004</b>	<0.001	<0.0001	<b>0.014</b>	<b>0.047</b>	N/A	<0.05	92	0.003	<0.001	1,280	84	86	1,470	N/A	N/A	N/A		
MB20-5D	2022-2023	Q3	8.34	6,570	4,080		<0.0001	<b>0.004</b>	<0.001	<0.0001	<b>0.009</b>	<b>0.078</b>	0.003	<0.05	103	0.004	<b>0.002</b>	1,240	80	117	1,420	N/A	N/A	N/A		
MB20-5D	2022-2023	Q4	8.26	4,180	2,460		<0.0001	<b>0.006</b>	<0.001	<0.0001	<b>0.017</b>	<b>0.072</b>	<b>0.005</b>	<0.05	61	0.004	<b>0.002</b>	708	63	54	896	N/A	N/A	N/A		
MB20-5D	2023-2024	Q1	8.25	6,990	4,130	<0.004	<0.0001	<b>0.004</b>	<0.001	<0.0001	<b>0.026</b>	<b>0.053</b>	<0.001	<0.05	84	0.004	<b>0.002</b>	1,130	75	97	1,390	N/A	N/A	N/A		
MB20-5D	2023-2024	Q2	7.26	3,947	2,327	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.009</b>	<b>0.021</b>	<b>0.091</b>	<0.05	66	0.002	<0.001	1,040	73	61	406	N/A	N/A	N/A		
MB20-5D	2023-2024	Q3	7.95	2,821	4,244	<0.004	<0.0001	<b>0.005</b>	<0.001	<0.0001	<b>0.03</b>	<b>0.073</b>	0.001	<0.05	88	0.006	<b>0.002</b>	1,360	71	89	1,490	N/A	N/A	N/A		
MB20-5D	2023-2024	Q4	7.92	5,687	3,696	<0.004	<0.0001	<b>0.004</b>	<0.001	<0.0001	0.006	<b>0.053</b>	<b>0.081</b>	<0.05	74	0.005	<0.001	1,090	64	84	1,180	N/A	N/A	N/A		
MB20-5D	2024-2025	Q1	8.20	6,440	4,030	<0.004	<0.0001	<b>0.004</b>	<0.001		<b>0.014</b>	<b>0.042</b>	<b>0.004</b>	<0.05	92	0.004	0.001	1,220	84	87	1,420	N/A	N/A	N/A		
MB20-5D	2024-2025	Q2	8.24	7,470	4,470	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.003</b>	0.003	<0.05	98	0.001	<0.001	1,190	103	76	1,490	0.005	<1	726		
MB20-5D	2024-2025	Q3	8.18	6,940	4,230	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<0.005	<b>0.012</b>	<0.001	<0.05	80	0.002	<0.001	1,260	86	57	1,360	0.055	<1	762		
MB20-5D	2024-2025	Q4	8.23	6,990	4,170	<0.004	<0.0001	<b>0.004</b>	<0.001	<0.0001	<b>0.023</b>	<b>0.01</b>	0.002	<0.05	79	0.004	<0.001	1,270	87	54	1,390	0.062	<1	938		
MB20-5S	2022-2023	Q1	8.06	1,730	1,070		<0.0001	0.001	<0.001	<0.0001	<0.005	<b>0.003</b>	N/A	<0.05	26	0.002	<b>0.003</b>	300	22	42	362	N/A	N/A	N/A		
MB20-5S	2022-2023	Q3	NST - Bore Dry																							
MB20-5S	2022-2023	Q4	NST - Bore Dry																							
MB20-5S	2023-2024	Q1	NST - Bore Dry																							
MB20-5S	2023-2024	Q2	NST - Bore Dry																							
MB20-5S	2023-2024	Q3	NST - Bore Dry																							
MB20-5S	2023-2024	Q4	NST - Bore Dry																							
MB20-5S	2024-2025	Q1	NST - Bore Dry																							
MB20-5S	2024-2025	Q2	NST - Bore Dry																							
MB20-5S	2024-2025	Q3	NST - Bore Dry																							
MB20-5S	2024-2025	Q4	NST - Bore Dry																							
MB20-6D	2022-2023	Q1	8.23	4,860	3,020		<0.0001	<0.001	<0.001	<0.0001	<b>0.018</b>	0.002	N/A	<0.05	73	0.001	<0.001	921	72	58	1,070	N/A	N/A	N/A		
MB20-6D	2022-2023	Q3	8.36	3,510	2,110		<0.0001	0.001	<0.001	<0.0001	0.007	0.002	0.002	<0.05	49	<0.001	<0.001	642	52	45	709	N/A	N/A	N/A		
MB20-6D	2022-2023	Q4	8.33	3,740	2,230		<0.0001	<0.001	<0.001	<0.0001	<b>0.023</b>	<b>0.003</b>	0.002	<0.05	49	<0.001	<0.001	646	50	44	733	N/A	N/A	N/A		
MB20-6D	2023-2024	Q1	8.22	4,860	2,730	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.028</b>	<b>0.003</b>	<b>0.006</b>	<0.05	61	0.002	<0.001	793	62	57	934	N/A	N/A	N/A		
MB20-6D	2023-2024	Q2	7.64	3,837	2,158	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	0.005	<b>0.01</b>	0.027	<0.05	86	0.003	<0.001	944	64	66	1,040	N/A	N/A	N/A		
MB20-6D	2023-2024	Q3	8.17	4,713	3,064	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.02</b>	<b>0.004</b>	<b>0.007</b>	<0.05	54	0.002	<0.001	869	56	41	986	N/A	N/A	N/A		
MB20-6D	2023-2024	Q4	8.11	4,492	2,913	<0.004	<0.0001	<b>0.004</b>	<0.001	<0.0001	0.007	<b>0.004</b>	<b>0.006</b>	<0.05	62	0.007	<0.001	845	64	52	947	N/A	N/A	N/A		
MB20-6D	2024-2025	Q1	8.29	3,660	2,300	<0.004	<0.0001	<b>0.004</b>	<0.001	N/A	<b>0.105</b>	<b>0.004</b>	<b>0.008</b>	0.08	54	0.007	<0.001	671	54	42	793	N/A	N/A	N/A		
MB20-6D	2024-2025	Q2	NST - Bore Dry																							
MB20-6D	2024-2025	Q3	NST - Bore Dry																							



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate	
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
<b>L8345 Limit Level</b>			-	-	-	<b>0.5</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>ANZG 2018 DGV - 95% Freshwater</b>			-	-	-	-	<b>0.0002</b>	<b>0.0014</b>	<b>0.0034</b>	<b>0.0006</b>	<b>0.008</b>	<b>0.0024</b>	<b>0.0033</b>	<b>0.28</b>	-	<b>0.011</b>	<b>0.0014</b>	-	-	-	-	-	<b>1.9</b>	-	-
MB20-6D	2024-2025	Q4	8.29	5,770	3,380	<0.004	<0.0001	<b>0.01</b>	<0.001	<0.0001	<b>0.012</b>	<b>0.007</b>	<b>0.004</b>	<0.05	69	0.01	0.001	900	80	57	1180	0.005	<1	668	
MB20-6S	2022-2023	Q1	NST - Bore Dry																						
MB20-6S	2022-2023	Q3	NST - Bore Dry																						
MB20-6S	2022-2023	Q4	NST - Bore Dry																						
MB20-6S	2023-2024	Q1	NST - Bore Dry																						
MB20-6S	2023-2024	Q2	NST - Bore Dry																						
MB20-6S	2023-2024	Q3	NST - Bore Dry																						
MB20-6S	2023-2024	Q4	NST - Bore Dry																						
MB20-6S	2024-2025	Q1	NST - Bore Dry																						
MB20-6S	2024-2025	Q2	NST - Bore Dry																						
MB20-6S	2024-2025	Q3	NST - Bore Dry																						
MB20-6S	2024-2025	Q4	NST - Bore Dry																						
MB20-7D	2022-2023	Q1	7.94	6,800	4,380		<0.0001	<0.001	<0.001	<0.0001	0.006	<b>0.006</b>	N/A	<0.05	100	0.001	<0.001	1310	104	67	1580	N/A	N/A	N/A	
MB20-7D	2022-2023	Q3	8.25	6,900	4,120		<0.0001	0.001	<0.001	<0.0001	0.006	<b>0.004</b>	<b>0.008</b>	<0.05	101	0.001	<0.001	1320	104	68	1490	N/A	N/A	N/A	
MB20-7D	2022-2023	Q4	8.11	7,150	4,290		<0.0001	<0.001	<0.001	<0.0001	<b>0.022</b>	<b>0.003</b>	<b>0.008</b>	<0.05	89	<0.001	<0.001	1200	96	61	1530	N/A	N/A	N/A	
MB20-7D	2023-2024	Q1	8.14	7,430	4,280	<0.004	<0.0001	<b>0.002</b>	<0.001	<0.0001	<b>0.027</b>	<b>0.003</b>	<b>0.008</b>	<0.05	92	<0.001	<0.001	1220	97	69	1520	N/A	N/A	N/A	
MB20-7D	2023-2024	Q2	7.05	4,912	3,068		<0.0001	<b>0.002</b>	<0.001	0.0002	<b>0.043</b>	0.001	<b>0.014</b>	<0.05	339	0.003	<0.001	3790	136	256	2400	N/A	N/A	N/A	
MB20-7D	2023-2024	Q3	8.46	5,969	4,242	<0.004	<0.0001	<b>0.005</b>	<0.001	<0.0001	<b>0.01</b>	0.002	<b>0.006</b>	<0.05	54	<b>0.013</b>	<b>0.003</b>	801	77	49	987	N/A	N/A	N/A	
MB20-7D	2023-2024	Q4	8.42	4,306	2,801	<0.004	<0.0001	<b>0.016</b>	<0.001	<0.0001	0.006	0.002	<b>0.006</b>	<0.05	85	0.025	<b>0.006</b>	1330	86	132	1980	N/A	N/A	N/A	
MB20-7D	2024-2025	Q1	8.19	5,080	3,260	<0.004	<0.0001	<0.001	<0.001		<b>0.020</b>	<b>0.004</b>	<b>0.007</b>	<0.05	74	0.002	<0.001	926	74	58	1080	N/A	N/A	N/A	
MB20-7D	2024-2025	Q2	7.85	6,710	4,100	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.003</b>	<b>0.005</b>	<0.05	76	0.005	0.001	975	82	80	1330	0.013	<1	624	
MB20-7D	2024-2025	Q3	7.99	5,810	3,420	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.017</b>	<0.001	<b>0.046</b>	<0.05	135	0.002	<0.001	680	47	200	1330	0.002	<1	528	
MB20-7D	2024-2025	Q4	8.48	7,190	4,150	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	0.002	0.002	<0.05	73	0.014	<b>0.002</b>	1090	91	217	1850	0.035	20	619	
MB20-7S	2022-2023	Q1	7.89	6,720	4,320		<0.0001	<b>0.002</b>	<0.001	<0.0001	0.007	<b>0.003</b>	N/A	<0.05	107	0.002	<b>0.002</b>	1250	104	94	1530	N/A	N/A	N/A	
MB20-7S	2022-2023	Q3	NST - Bore Dry																						
MB20-7S	2022-2023	Q4	NST - Bore Dry																						
MB20-7S	2023-2024	Q1	NST - Bore Dry																						
MB20-7S	2023-2024	Q2	NST - Bore Dry																						
MB20-7S	2023-2024	Q3	NST - Bore Dry																						
MB20-7S	2023-2024	Q4	NST - Bore Dry																						
MB20-7S	2024-2025	Q1	NST - Bore Dry																						
MB20-7S	2024-2025	Q2	NST - Bore Dry																						
MB20-7S	2024-2025	Q3	NST - Bore Dry																						
MB20-7S	2024-2025	Q4	NST - Bore Dry																						
MB20-8	2023-2024	Q2	8.97	3,681	2,424	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	<0.001	<b>0.068</b>	<0.05	13	<0.001	<0.001	1070	91	92	642	N/A	N/A	N/A	
MB20-8	2023-2024	Q3	8.76	5,386	3,749	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.009</b>	<0.001	<b>0.066</b>	<0.05	11	<0.001	<0.001	930	104	78	1070	N/A	N/A	N/A	
MB20-8	2023-2024	Q4	9.1	5,828	3,791	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	0.002	<b>0.064</b>	<0.05	15	<0.001	<0.001	1130	92	86	1350	N/A	N/A	N/A	
MB20-8	2024-2025	Q1	7.91	7,690	5,150	<0.004	<0.0001	0.001	<0.001		0.008	0.002	0.001	<0.05	116	0.007	<b>0.002</b>	1460	122	100	1800	N/A	N/A	N/A	
MB20-8	2024-2025	Q2	9.36	6,130	3,560	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<0.001	<b>0.054</b>	<0.05	12	<0.001	<0.001	1060	116	64	1320	<0.001	16	623	
MB20-8	2024-2025	Q3	9.51	5,930	3,430	<0.004	<0.0001	<b>0.005</b>	<0.001	<0.0001	<0.005	0.002	<b>0.079</b>	<0.05	13	0.002	0.001	1070	123	28	1240	<0.001	33	610	



Bore ID	Reporting Period	Quarter	pH	EC	TDS	WAD cyanide	Cadmium	Copper	Lead	Mercury	Zinc	Arsenic	Chromium	Iron	Magnesium	Nickel	Cobalt	Sodium	Potassium	Calcium	Chloride	Manganese	Carbonate	Sulphate	
Unit			-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
<b>L8345 Limit Level</b>			-	-	-	<b>0.5</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>ANZG 2018 DGV - 95% Freshwater</b>			-	-	-	-	<b>0.0002</b>	<b>0.0014</b>	<b>0.0034</b>	<b>0.0006</b>	<b>0.008</b>	<b>0.0024</b>	<b>0.0033</b>	<b>0.28</b>	-	<b>0.011</b>	<b>0.0014</b>	-	-	-	-	-	<b>1.9</b>	-	-
MB20-8	2024-2025	Q4	NST – Bore Collapsed																						
MB20-9	2023-2024	Q1	NST - Bore Dry																						
MB20-9	2023-2024	Q2	7.18	8,746	5,681	<0.008	0.0001	<b>0.004</b>	0.001	<0.0001	<b>0.072</b>	<0.001	<b>0.012</b>	<b>0.74</b>	226	<b>0.013</b>	<b>0.005</b>	2490	217	124	2,940	N/A	N/A	N/A	
MB20-9	2023-2024	Q3	NST - Bore Blocked																						
MB20-9	2023-2024	Q4	8.1	3,627	8,861	<0.004	<0.0001	<b>0.012</b>	<0.001	<0.0001	<b>0.016</b>	0.001	<b>0.007</b>	<0.05	212	0.009	<b>0.003</b>	2610	211	121	3,150	N/A	N/A	N/A	
MB20-9	2024-2025	Q1	7.93	6,480	4,240	<0.004	<0.0001	<0.001	<0.001		<b>0.006</b>	<b>0.003</b>	0.001	<0.05	91	0.01	<b>0.002</b>	1210	98	112	1,600	N/A	N/A	N/A	
MB20-9	2024-2025	Q2	9.3	39,900	11,100	<0.004	<0.0001	<b>0.062</b>	<b>0.011</b>	<0.0001	<b>0.021</b>	<b>0.058</b>	<b>0.052</b>	<b>0.38</b>	<1	<b>0.042</b>	<b>0.036</b>	2820	2570	36	290	<0.001	245	469	
MB20-9	2024-2025	Q3	NST – Bore Collapsed																						
MB20-9	2024-2025	Q4	NST – Bore Collapsed																						
MB20-10	2023-2024	Q1	8.29	2,380	1,390	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.033</b>	0.001	<b>0.047</b>	<0.05	28	0.001	0.001	437	30	44	368	N/A	N/A	N/A	
MB20-10	2023-2024	Q2	7.36	2,010	1,137	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.015</b>	<0.001	<b>0.116</b>	<0.05	22	0.002	<b>0.002</b>	553	59	34	494	N/A	N/A	N/A	
MB20-10	2023-2024	Q3	7.78	1,483	1,274	<0.004	<0.0001	0.001	<0.001	<0.0001	<b>0.02</b>	<0.001	<b>0.03</b>	<0.05	27	0.002	<0.001	420	41	33	444	N/A	N/A	N/A	
MB20-10	2023-2024	Q4	7.75	2,391	1,555	<0.004	<0.0001	0.001	<0.001	<0.0001	<0.005	0.001	<b>0.03</b>	<0.05	27	0.002	<0.001	451	30	37	428	N/A	N/A	N/A	
MB20-10	2024-2025	Q1	8.02	2,390	1,520	<0.004	<0.0001	<b>0.004</b>	<0.001		<b>0.017</b>	0.001	<b>0.006</b>	<0.05	41	0.004	<0.001	438	23	54	468	N/A	N/A	N/A	
MB20-10	2024-2025	Q2	7.79	1,050	676	<0.004	<0.0001	<0.001	<0.001	<0.0001	<0.005	<b>0.003</b>	<b>0.011</b>	<0.05	25	<0.001	0.001	506	62	15	576	<0.001	3	341	
MB20-10	2024-2025	Q3	9.46	5,070	2,970	<0.004	<0.0001	<b>0.006</b>	<0.001	<0.0001	<b>0.046</b>	<0.001	<b>0.088</b>	<0.05	80	0.005	<0.001	886	82	51	1,020	0.002	85	517	
MB20-10	2024-2025	Q4	8.08	5,590	3,200	<0.004	<0.0001	<0.001	<0.001	<0.0001	<b>0.009</b>	<0.001	<b>0.065</b>	<0.05	107	0.002	<0.001	901	61	79	1,110	0.019	<1	681	

Note: ANZG 2018 DGV values refer to the 95% Level of species protection for freshwater ecosystems (2000) available via: <https://www.waterquality.gov.au/anz-guidelines>

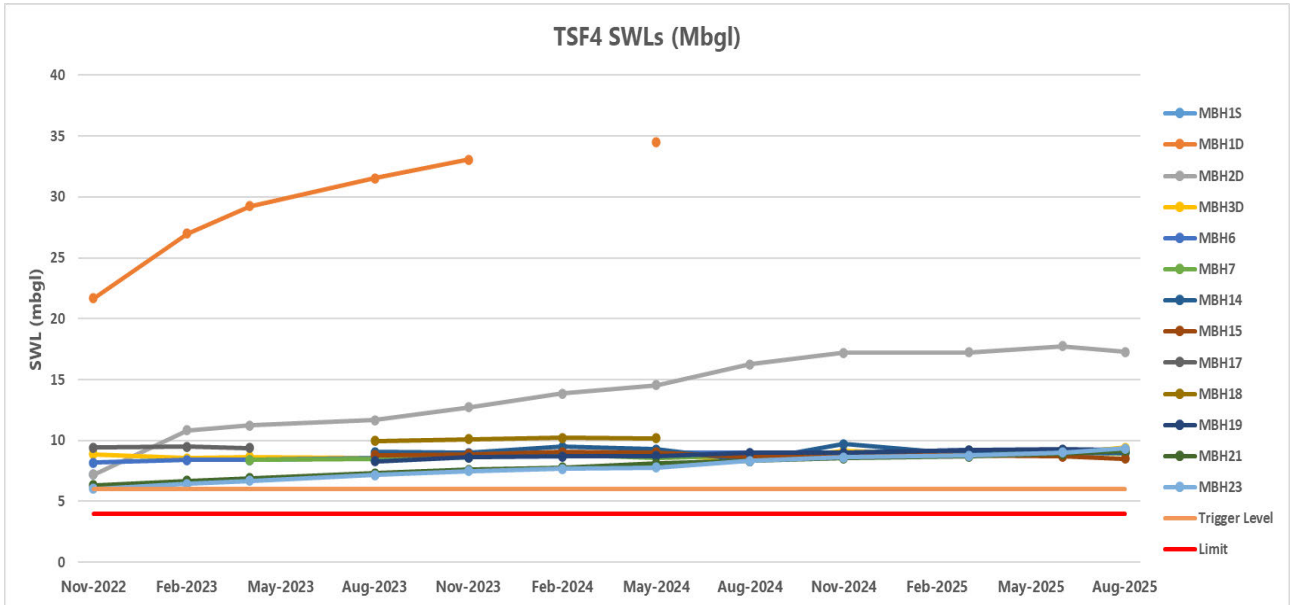


Figure 7: TSF4 Monitoring Bore SWLs

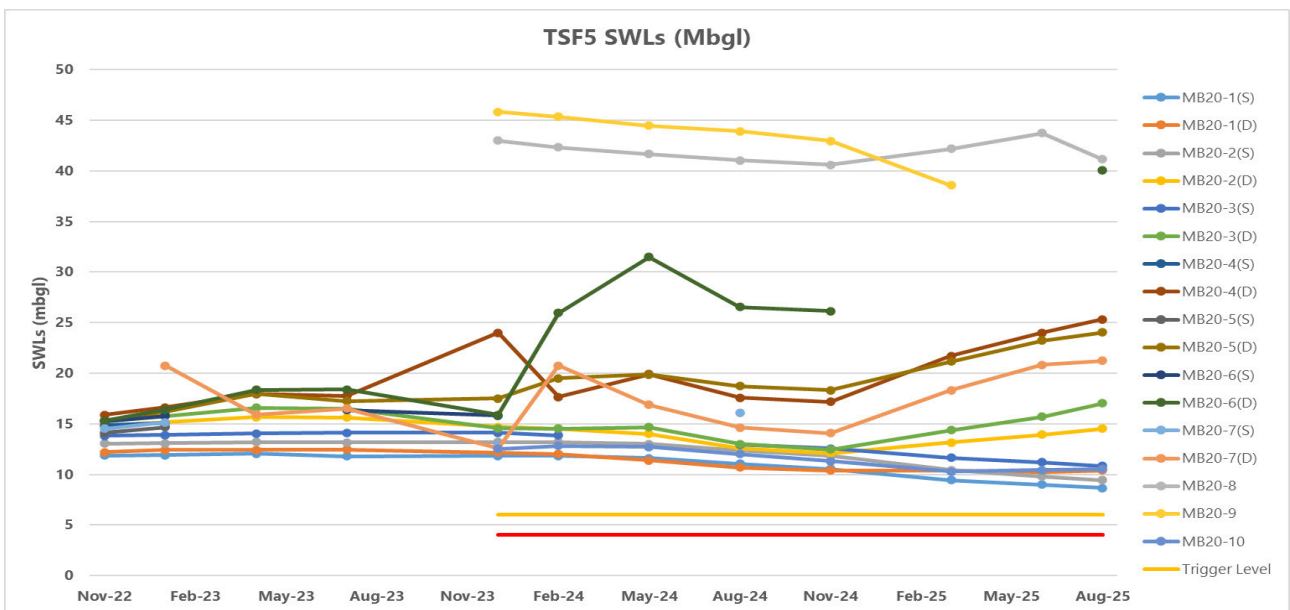


Figure 8: TSF5 Monitoring Bore SWLs



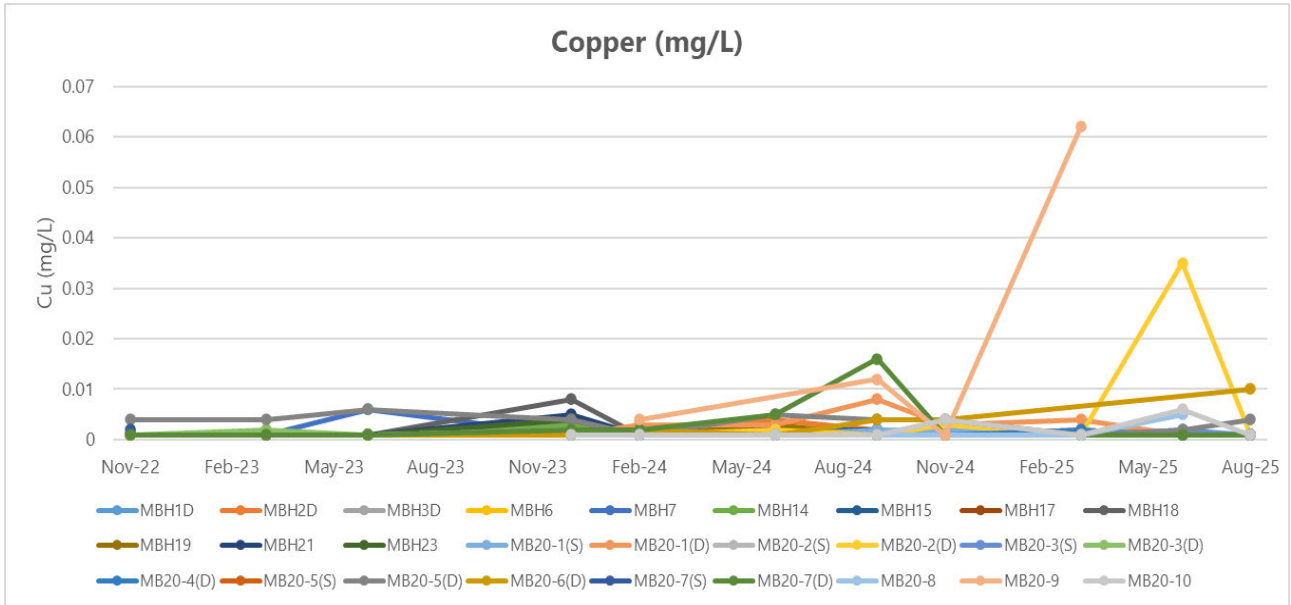


Figure 11: Monitoring bore copper values

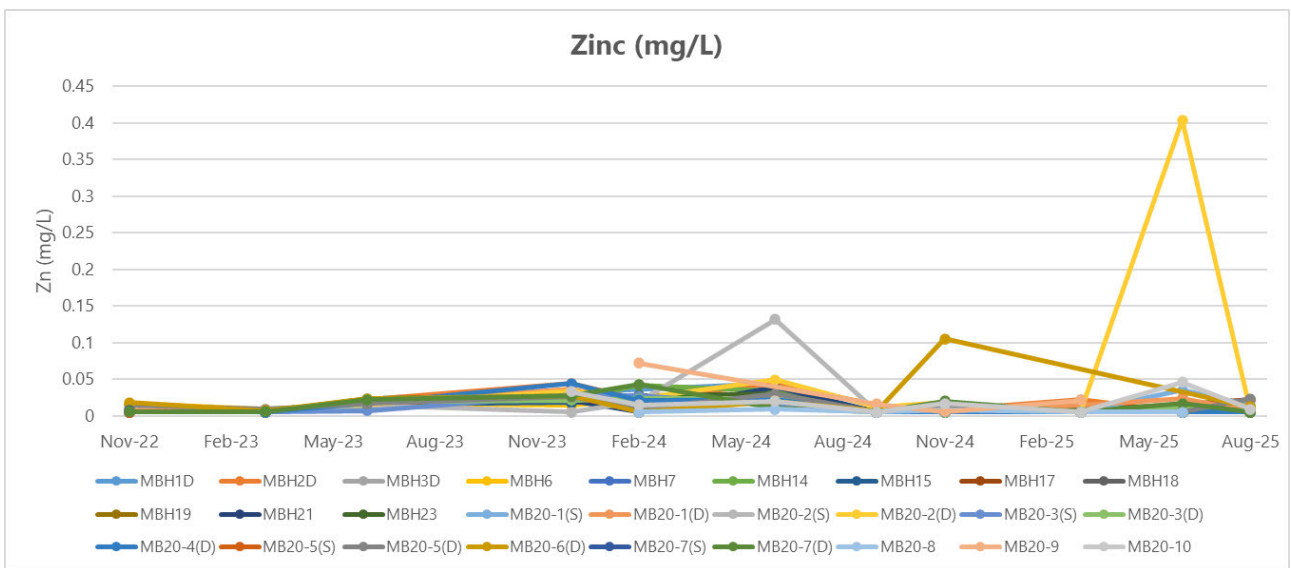


Figure 12: Monitoring bore zinc values

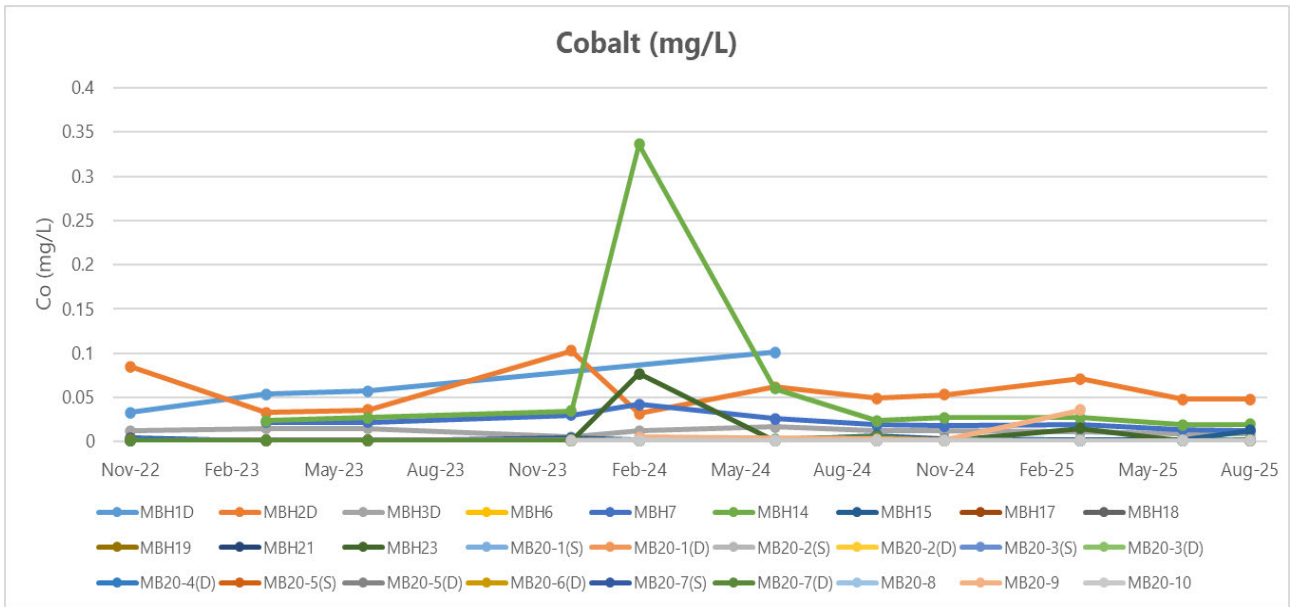


Figure 13: Monitoring bore cobalt values

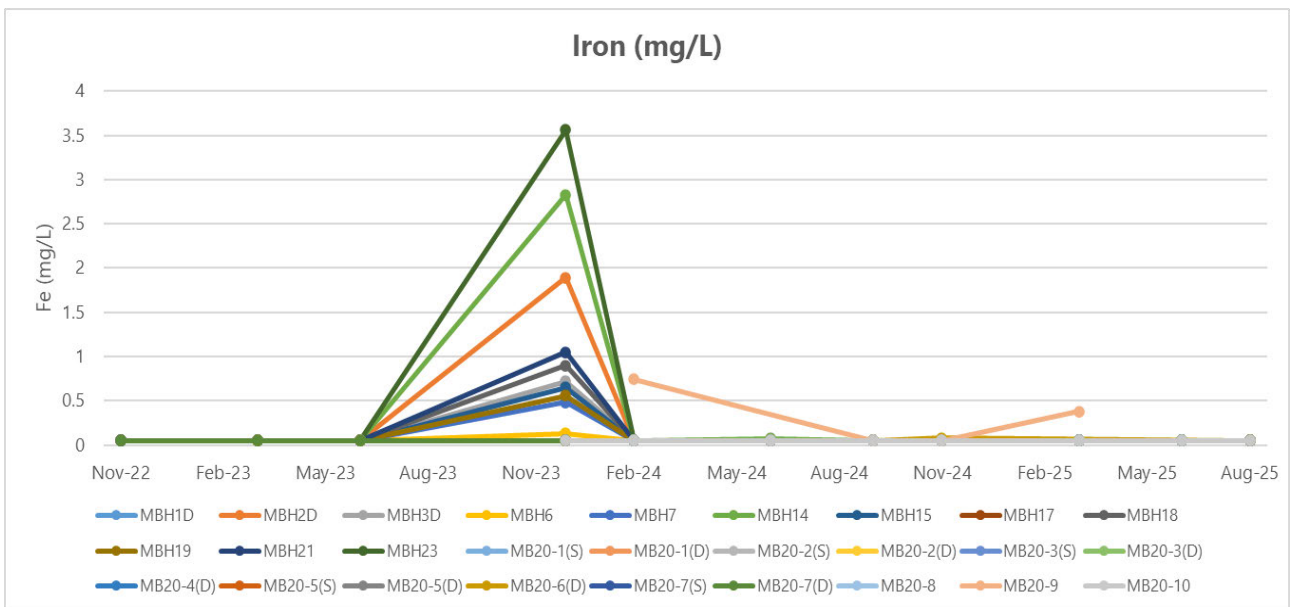


Figure 14: Monitoring bore iron values

### 1.6.1 Data Assessment and Interpretation

No exceedances of licence limits (Condition 16) were detected during the reporting period.

Vault notes there are no Default Guideline Values (DGVs) established for groundwater quality protection within the latest Australia and New Zealand Guidelines (ANZG, 2025). A comparison with the ANZG 95% limit of species protection for freshwater ecosystems is included in Tables 9 and 10, as required by Condition 25. Whilst these guideline values have been adopted for comparison, they are not representative of local conditions.

During the reporting period, exceedances against the 95% limit for species protection for freshwater ecosystems were observed for Arsenic, Chromium, Copper, Cobalt, Iron and Zinc. Overall, the results

for the year largely aligned with previously recorded data from prior monitoring periods, as illustrated in Figures 7 through 14.

## 1.7 Condition 18 - Tailings Storage Facilities Water Balance

	Site Rainfall	Evaporation	Decant Water Return	Underdrainage Return	Tailings Volume	Tailings Water Volume	Solids in Tailings	Calculated Seepage Loss
Units	mm	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
Sep-24	6.2	39,802	252,500	13,675	859,861	419,612	440,249	50,342
Oct-24	4.2	82,712	114,773	0	787,453	384,277	403,176	40,291
Nov-24	61.6	76,172	167,186	0	862,758	421,026	441,732	101,583
Dec-24	17	102,345	190,991	0	847,887	413,769	434,118	28,856
Jan-25	8	131,008	62,385	0	905,256	441,765	463,491	38,957
Feb-25	58.8	100,258	160,612	0	847,654	413,655	433,999	51,138
Mar-25	65.4	95,742	224,913	0	842,795	411,284	431,511	7,760
Apr-25	33.4	66,708	150,185	0	796,338	388,613	407,725	58,667
May-25	0.4	52,809	167,399	0	985,082	480,720	504,362	62,699
Jun-25	15.2	38,306	152,690	0	825,363	402,777	422,586	29,345
Jul-25	22.6	33,978	162,022	0	998,010	487,029	510,981	97,096
Aug-25	9.6	40,124	140,517	0	937,498	457,499	479,999	126,114

### 1.7.1 TSF Water Balance Data

TSF 4 and 5 water balance data is presented in Table 11 and in Figures 15 to 22.

*Table 10: Tailings water balance data*

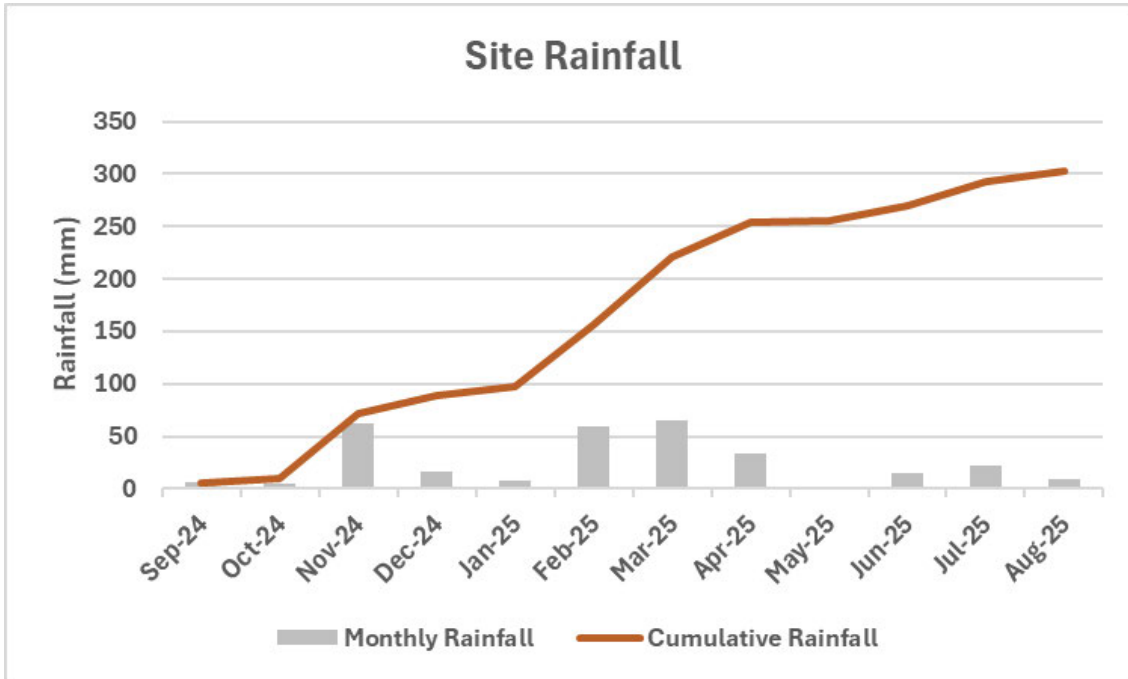


Figure 15: Site Rainfall

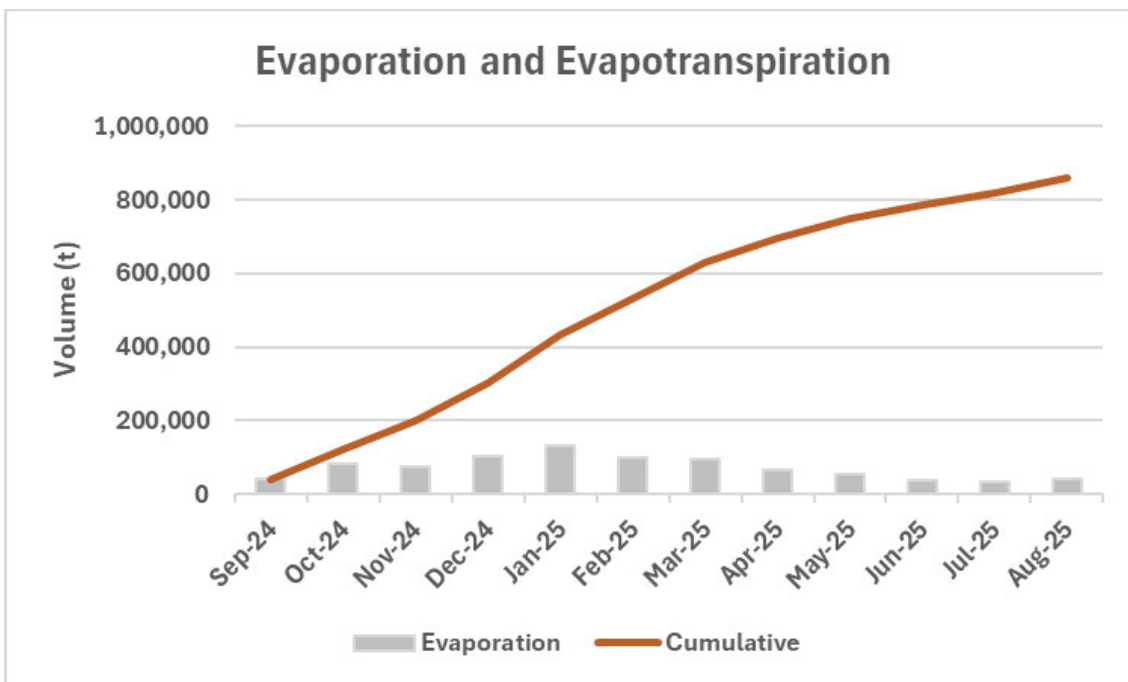


Figure 16: Evaporation and Evapotranspiration

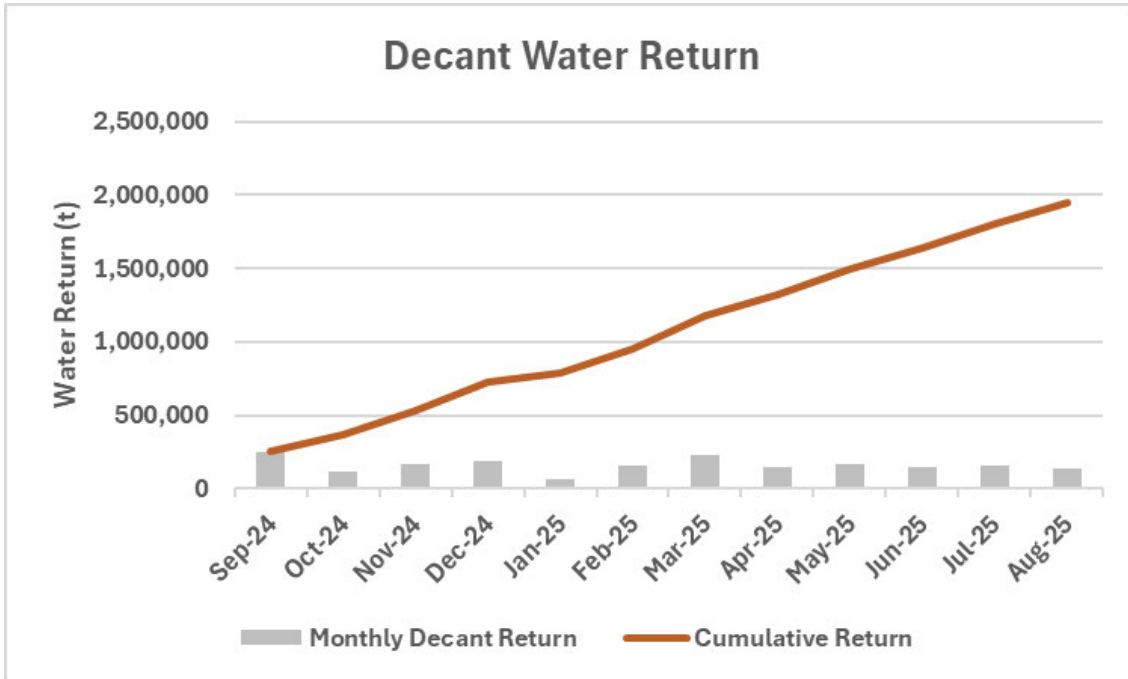


Figure 17: Decant Water Return

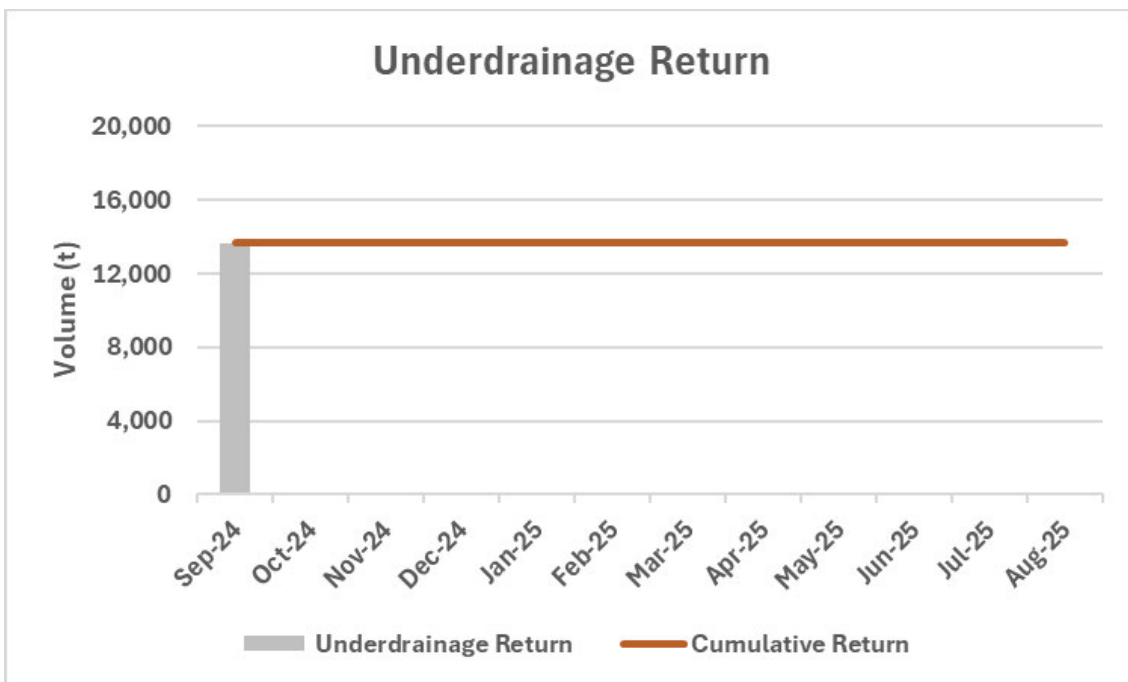


Figure 18: Underdrainage Return

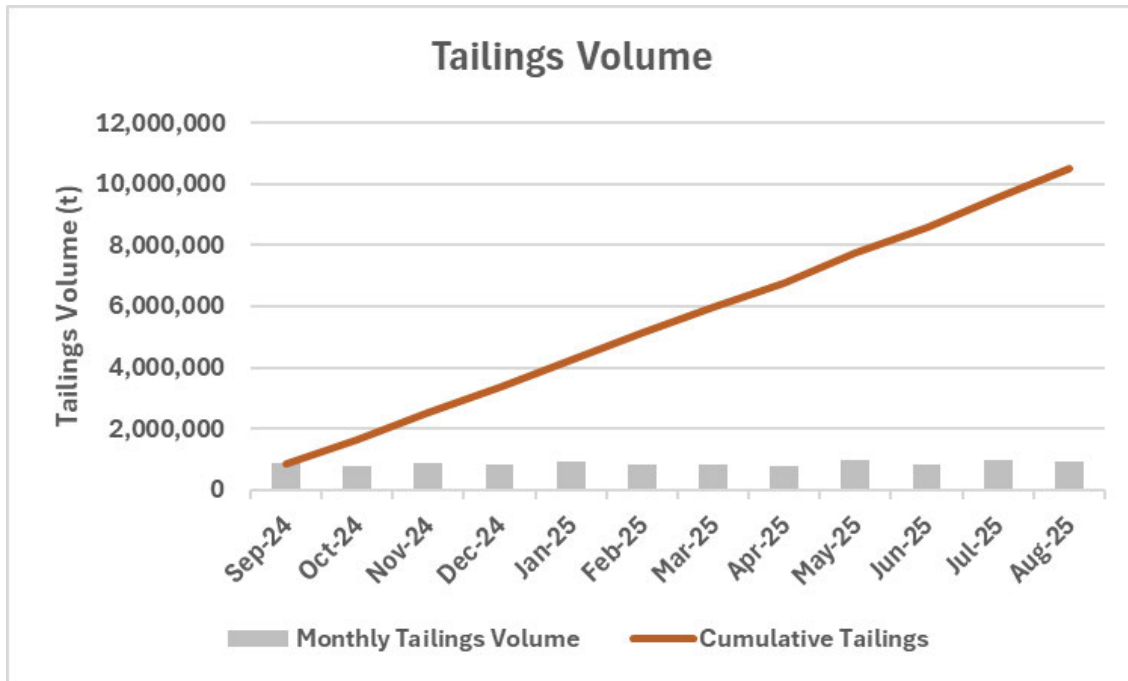


Figure 19: Tailings Volume

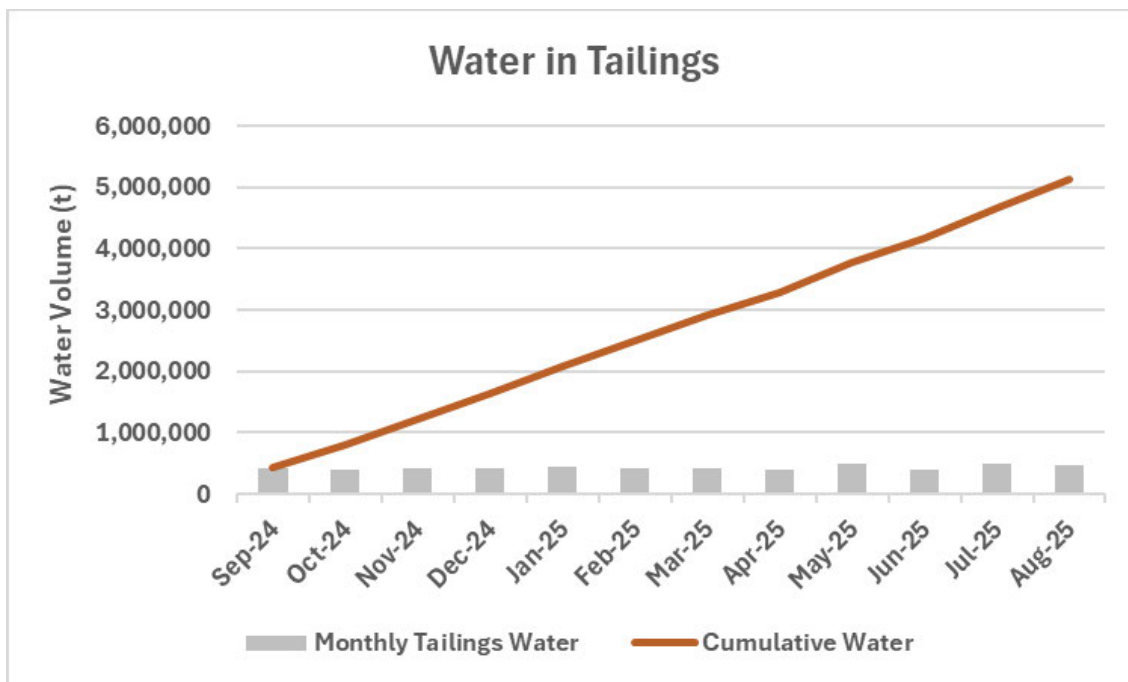


Figure 20: Tailings Water Volume

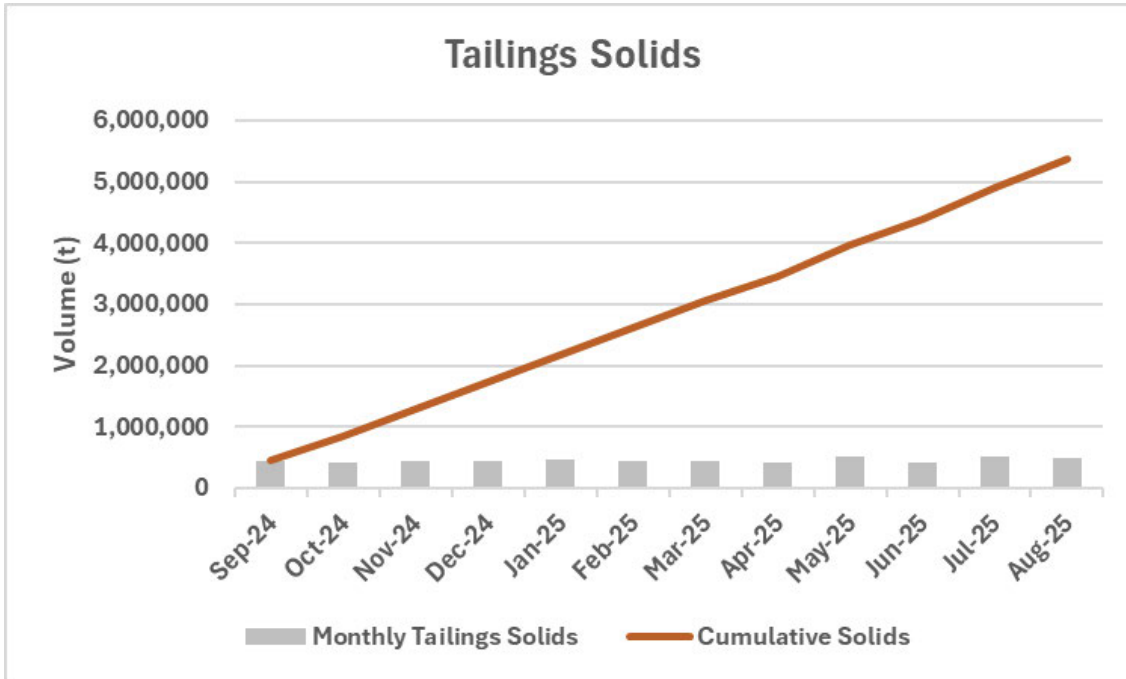


Figure 21: Solids in Tailings

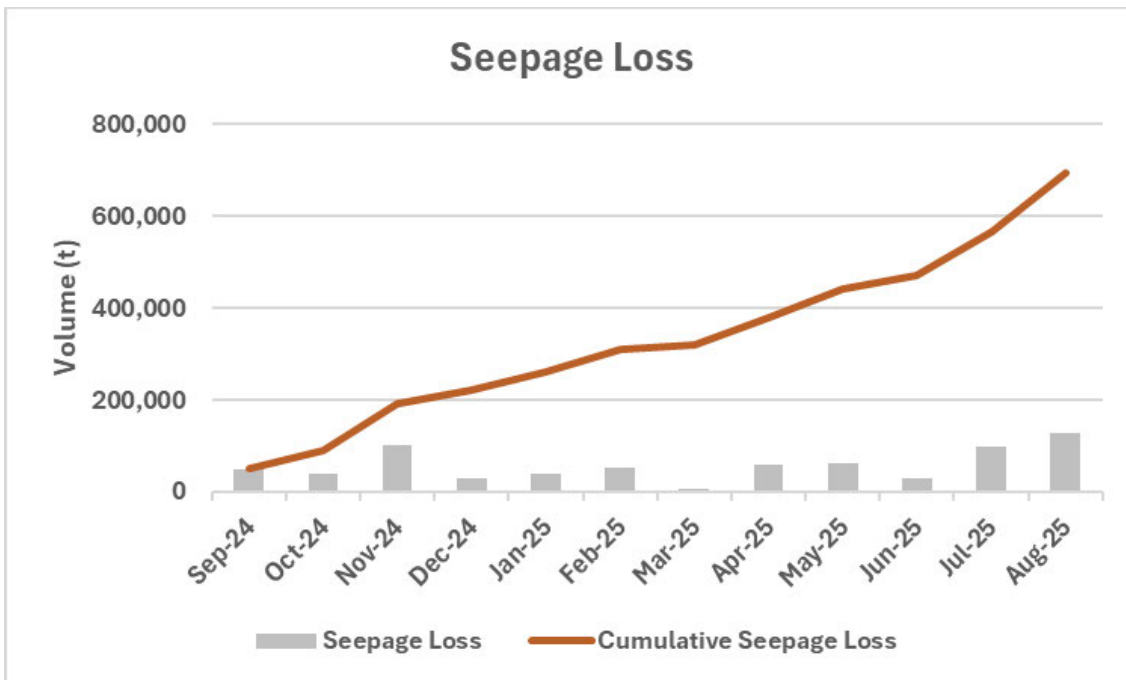


Figure 22: Calculated Seepage Loss

### **1.7.2 Data Summary and Interpretation**

Overall, there were no issues with seepage losses during the reporting period that necessitated significant revisions to decant operations. The rainfall for the site, at 302mm for the reporting period, was above the long-term historical mean for Leonora of 238mm.

The water recovery for TSF5 in September 2024 was 60.2%. For TSF4 (including TSF4A and TSF4B), tailings deposition resumed on October 19, 2024. No water was returned from October 19 to 31 due to dry start-up conditions. Subsequent returns ranged from 14.1% to 54.7% across months. Factors influencing recovery rates include initial water losses when water first saturates the dry TSF floor, delays in beach formation at the surface, fluctuating evaporation rates, and seepage rates.

Evaporation rates were as expected throughout the year, with higher rates recorded during the summer months (June to August) and lower rates during winter (December to February).

The TSF5 underdrainage system discharges into a small pond located near the northwest corner of TSF5. Since tailings deposition for TSF5 ceased in October 2024, no underdrainage return was recorded between October 2024 and August 2025.

## **Appendix A**

Annual Audit Compliance Report



## Annual Audit Compliance Report Form

*Environmental Protection Act 1986, Part V Division 3*

Once completed, please submit this form either via email to [info@dwer.wa.gov.au](mailto:info@dwer.wa.gov.au), or to the below postal address:

Department of Water and Environmental Regulation  
Locked Bag 10  
Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L8345/2009/3	Licence file number:	DER2021/000125
Licence holder name:	Greenstone Resources (WA) Pty Ltd		
Trading as:	Greenstone Resources (WA) Pty Ltd		
ACN:	100 341 599		
Registered business address:	Suite 4, Level 3 85 South Perth Esplanade SOUTH PERTH WA 6151		
Reporting period:	1/09/2024 to 31/08/2025		

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

Section C – Statement of actual production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual production quantity
Category 5: Processing and beneficiation of metallic or non-metallic ore	5,373,929 tonnes
Category 52: Electric power generation	20.71 MW
Category 54: Sewerage facility	109.8 m3 per day
Category 89: Putrescible landfill site	4,829 tonnes

Section D – Statement of actual Part 2 waste discharge quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual Part 2 waste discharge quantity
Category 5: Processing and beneficiation of metallic or non-metallic ore (Tailings)	5,373,929 tonnes
Category 6: Mine dewatering	546,911 tonnes

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 8; Table 3	Date(s) of non-compliance:	Various (see below)
Details of non-compliance:			
Tailings storage, pipeline inspection, and WWTP records were not fully maintained, which did not provide evidence that inspections were undertaken during the reporting period.			
What was the actual (or suspected) environmental impact of the non-compliance? <b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
This is a technical non-compliance with Licence Condition 8; Table 3. Inspections were completed, however not recorded on occasions throughout the reporting period. No environmental impact has occurred due to the non-compliance.			
Cause (or suspected cause) of non-compliance:			
Maintaining logbooks to provide evidence that inspections were carried out.			
<ul style="list-style-type: none"> <li>- Tailings storage inspections were not recorded daily during the reporting period (80 of 365 inspections not recorded).</li> <li>- Pipeline inspection records were not recorded twice daily during the reporting period (108 of 730 inspections not recorded).</li> <li>- WWTP inspection records were not recorded weekly during the reporting period (5 of 52 inspections not recorded).</li> </ul>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Communication and training were conducted with processing/maintenance personnel on the requirements for maintaining records of infrastructure inspections in accordance with the requirements outlined in Table 3.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 16; Table 9	Date(s) of non-compliance:	Various (see below)
Details of non-compliance:			
<p>Several monitoring bores were not sampled during the reporting period, including:</p> <ul style="list-style-type: none"> <li>- MBH1D – Q1 - Q4 (insufficient water to sample)</li> <li>- MBH1S – Q1 - Q4 (insufficient water to sample)</li> <li>- MBH2S – Q1 - Q4 (insufficient water to sample)</li> <li>- MBH3S – Q1 - Q4 (insufficient water to sample)</li> <li>- MB20-4(S) – Q1 - Q4 (insufficient water to sample)</li> <li>- MB20-5(S) – Q1 - Q4 (insufficient water to sample)</li> <li>- MB20-6(D) – Q2 - Q3 (insufficient water to sample)</li> <li>- MB20-6(S) – Q1 - Q4 (insufficient water to sample)</li> <li>- MB20-7(S) – Q1 - Q4 (insufficient water to sample)</li> <li>- MB20-9 – Q3 – Q4 (bore collapsed)</li> </ul>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p><b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
<p>This is a technical non-compliance with Licence Condition 12; Table 8. No environmental impact has occurred due to the non-compliance.</p>			
Cause (or suspected cause) of non-compliance:			
Insufficient water to allow monitoring per Condition 16, Table 9. Dry bores can be attributed to localised dewatering/production abstraction drawdown.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Continue to monitor water levels and collect samples where feasible.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 15; Table 8	Date(s) of non-compliance:	September 2024 December 2024
Details of non-compliance:			
Q1 WWTP results were identified as in exceedance of limits for Total coliforms and TSS taken on 15 September 2024. Resampling was undertaken on 10 October 2024 and returned repeat exceedance for TSS, BOD and Free Chlorine.			
Q2 WWTP results were identified as in exceedance of limits for E. Coli, Total coliforms, BOD, TSS, Total Nitrogen and Free Chlorine taken on 15 December 2024. Resampling was undertaken on January 13, 2025, and returned a repeat exceedance for Free Chlorine.			
What was the actual (or suspected) environmental impact of the non-compliance?			
<b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
This is a minor non-compliance with Licence Condition 15; Table 8. No environmental impact is expected or observed as a result of the non-compliance.			
Cause (or suspected cause) of non-compliance:			
System was underperforming prompting a review and implementation of preventative actions.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<ul style="list-style-type: none"> <li>▪ Installation of a recirculation line to improve chlorine monitoring;</li> <li>▪ Accumulated sludge in the irrigation tank was removed by a licensed waste contractor; and</li> <li>▪ Upgrade of the electrical control system to improve operators' awareness of the plant's status, and to enable the manufacturer (Centurion Water Solutions) to access plant information and troubleshoot remotely when needed.</li> </ul>			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally	Date: / /		
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 01/11/2024 and 3/02/2025		

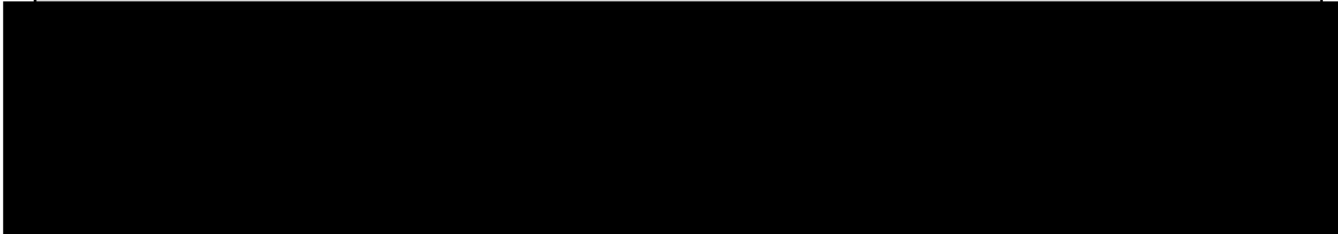
Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 1; Table 1 Condition 9, Table 4	Date(s) of non-compliance:	11 December 2024
Details of non-compliance:			
Treated effluent was discharged via a temporary hose from the irrigation tank to the spray field, not via the irrigation sprayfield sprinklers. Temporary ponding of treated effluent occurred at this discharge point.			
What was the actual (or suspected) environmental impact of the non-compliance? <b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
This is a minor non-compliance with Licence Conditions. No environmental impact has occurred due to the non-compliance, due to the short-term duration of the non-compliance.			
Cause (or suspected cause) of non-compliance:			
The irrigation tank pump had failed and was undergoing servicing. As the tank neared capacity, a discharge hose was installed to empty a portion of the tank into the spray field until the pump was repaired.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<ul style="list-style-type: none"> <li>▪ Additional critical spares for WWTP maintenance are kept onsite, rather than waiting for items to be procured and transported to the site.</li> <li>▪ Remedial earthworks of the sprayfield area.</li> </ul>			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	Condition 16; Table 9	Date(s) of non-compliance:	Q1 - 2024
Details of non-compliance:			
Dissolved Mercury (Hg) was not sampled for all TSF4 and TSF5 monitoring bores during the 01 September 2024 to 30 November 2024 (Quarter 1) period.			
What was the actual (or suspected) environmental impact of the non-compliance? <b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
This is an administrative non-compliance with Licence Condition 16, Table 9. No environmental impact has occurred due to the non-compliance.			
Cause (or suspected cause) of non-compliance:			
An error occurred with our external NATA-accredited Perth lab during sampling. All TSF4 and TSF5 bores were sampled between 8-11 November 2024, but Dissolved Mercury was not tested. The issue was identified after the quarterly period ended.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<ul style="list-style-type: none"> <li>▪ Consolidated the multiple quotations for services into a single quotation and purchase order to simplify the sampling suites.</li> <li>▪ Revised the Groundwater Sampling Procedure to incorporate QA/QC laboratory data checks within the sampling process.</li> </ul>			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

**Section F – Declaration**

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular<sup>1</sup>.

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



Date:	29/10/2025	Date:	
Seal (if signing under seal):			

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

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