



REPORT

# EPL 21266 – BI-ANNUAL MONITORING REPORT JUNE 2024 – NOVEMBER 2024

# S2-FGJV-ENV-REP-0116

Rev A

# JANUARY 2025

#### ABSTRACT

This document provides a summary of surface- and ground-water quality and associated information for monitoring conducted as part the Snowy 2.0 project, across monitoring locations pertaining to Environmental Protection Licence (EPL) 21266.

#### **Revision Record**

Rev.	Date	Reason for Issue	Responsible	Accountable	Endorsed
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# **Document Verification**

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# 1. INTRODUCTION

Snowy 2.0 was declared State Significant Infrastructure and Critical State Significant Infrastructure by the NSW Minister for Planning under the provisions of the NSW Environmental Planning and Assessment Act 1979 and is defined in Clause 9 of Schedule 5 of the State Environmental Planning Policy (State and Regional Development) 2011.

An Infrastructure Approval No. SSI 9208 based on the Environmental Impact Statement (EIS) submitted for the Snowy 2.0 Exploratory Works was received on February 7, 2019.

An Environment Protection Licence No. 21266 (EPL - 21266) under Section 55 of the Protection of the Environment Operations Act 1997 (NSW) was issued to Snowy Hydro Ltd (Snowy Hydro) on May 9, 2019, by the New South Wales Environment Protection Authority (NSW EPA) for land based extractive activities at Lobs Hole and Talbingo Reservoir in Kosciuszko National Park.

Webuild, Clough, and Lane have formed the Future Generation Joint Venture (Future Generation) and have been engaged by Snowy Hydro to deliver both Stage 2 of Exploratory Works and Snowy 2.0 Main Works. As required by EPL - 21266 Future Generation have undertaken a monthly monitoring program to assess the influence of the Snowy 2.0 Main Works project on groundwater and receiving surface water quality across the Project, specifically the work sites of Talbingo, Lobs Hole, Tantangara, Marica and Rock Forest.





# 1.1. Purpose

The purpose of this report is to provide a six (6) monthly update of surface water and groundwater monitoring undertaken for the Snowy 2.0 project in accordance with Condition R4.2 of EPL 21266.

Section 2, Condition P1.2 of EPL 21266 identifies the points required for monitoring, these points are presented on **Figures 1.1** – **1.5** of **Appendix A** and listed in Table 1-1 below.

Table 1-1: EPL21266 Location Names, Co-Ordinates, and Description

Name	x	Y	Location	Sample Type	Description
EPL1	148.413	-35.792	Lobs Hole	Groundwater	Wallace Creek Bridge
EPL2	148.413	-35.792	Lobs Hole	Groundwater	Wallace Creek Bridge
EPL4	148.415	-35.788	Lobs Hole	Groundwater	Lobs Hole Portal Access
EPL5	148.416	-35.785	Lobs Hole	Surface Water	Yarrangobilly River, upstream of the exploratory tunnel and construction pad
EPL6	148.412	-35.793	Lobs Hole	Surface Water	Wallaces Creek, upstream of the confluence of Yarrangobilly River and Wallaces Creek
EPL8	148.401	-35.789	Lobs Hole	Surface Water	Yarrangobilly River, downstream of Lick Hole Gully
EPL9	148.387	-35.782	Lobs Hole	Surface Water	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir
EPL10	148.38	-35.773	Lobs Hole	Reservoir Water	Talbingo Reservoir, upstream of Lobs Hole STP/PWTP diffuser outlet and water intake point
EPL11	148.375	-35.771	Lobs Hole	Reservoir Water	Talbingo Reservoir, downstream of Lobs Hole STP/PWTP diffuser outlet
EPL12	148.414	-35.789	Lobs Hole	Surface Water	Yarrangobilly River, immediately downstream of portal pad
EPL14	148.405	-35.794	Lobs Hole	Surface Water	Yarrangobilly River, downstream of road construction areas
EPL15	148.404	-35.792	Lobs Hole	Surface Water	Yarrangobilly River, downstream of road construction areas
EPL16	148.393	-35.785	Lobs Hole	Surface Water	Yarrangobilly River, downstream of road construction areas
EPL24	148.389	-35.78	Lobs Hole	Surface Water	Yarrangobilly River tributary (Watercourse 2), directly downstream of road
EPL25	148.415	-35.788	Lobs Hole	Groundwater	Portal Access
EPL26	148.488	-35.794	Marica	Surface Water	Eucumbene River, downstream of Marica Road
EPL27	148.488	-35.794	Marica	Surface Water	Eucumbene River, upstream of Marica Road





Name	х	Y	Location	Sample Type	Description
EPL28	148.654	-35.748	Tantangara	Reservoir Water	Tantangara Reservoir, upstream in the mouth of the Murrumbidgee River. Variable location dependent on tide and reservoir levels.
EPL29	148.661	-35.793	Tantangara	Reservoir Water	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River
EPL30	148.652	-35.801	Tantangara	Surface Water	Kellys Plain Creek, downstream of accommodation camp and laydown areas
EPL31	148.648	-35.806	Tantangara	Surface Water	Kellys Plain Creek, upstream of accommodation camp and laydown areas
EPL32	148.659	-35.79	Tantangara	Reservoir Water	Tantangara Reservoir, Tantangara Intake. Downstream of construction works
EPL33	148.664	-35.795	Tantangara	Surface Water	Murrumbidgee River, downstream of Tantangara reservoir outlet
EPL34	148.633	-35.865	Tantangara	Surface Water	Nungar Creek, upstream of Tantangara Road
EPL35	148.633	-35.865	Tantangara	Surface Water	Nungar Creek, downstream of Tantangara Road
EPL36	148.668	-35.952	Rock Forest	Surface Water	Camerons Creek, upstream of works in Rock Forest
EPL37	148.675	-35.948	Rock Forest	Surface Water	Camerons Creek, downstream of works in Rock Forest
EPL38	148.653	-35.769	Tantangara	Reservoir Water	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities
EPL39	148.639	-35.761	Tantangara	Reservoir Water	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works
EPL40	148.623	-35.755	Tantangara	Reservoir Water	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works
EPL41	148.381	-35.772	Talbingo	Reservoir Water	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir
EPL42*	148.375	-35.772	Talbingo	Discharge Point	Diffuser outlet discharging into Talbingo Reservoir from Lobs Hole STP/PWTP
EPL43*	148.381	-35.772	Talbingo	Volume Outflow	Lobs Hole STP/PWTP Final Volume Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.
EPL44*	148.417	-35.787	Lobs Hole	Volume Inflow – PWTP	Lobs Hole (MAT Portal) PWTP Inflow Volume Monitoring Point
EPL45*	148.393	-35.783	Talbingo	Volume Inflow – Ex-Camp STP	Lobs Hole Ex-Camp STP Inflow Volume Monitoring Point





Name	х	Y	Location	Sample Type	Description
EPL46*	148.657	-35.795	Tantangara	Discharge Point	Diffuser outlet discharging into Tantangara Reservoir from Tantangara STP / PWTP
EPL47	148.392	-35.783	Talbingo	Volume Inflow – Main Camp STP	Talbingo Main Camp STP Inflow Monitoring Point
EPL48	148.656	-35.802	Tantangara	Volume Inflow STP	Tantangara STP Inflow Volume Monitoring Point
EPL49	148.65	-35.791	Tantangara	Volume Inflow PWTP	Tantangara PWTP Inflow Volume Monitoring Point
EPL50	148.651	-35.791	Tantangara	Volume Outflow	Tantangara STP/PWTP final effluent quality and volume monitoring point
EPL51	148.66	-35.794	Tantangara	Surface Water	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet.
EPL52	148.338	-35.778	Lobs Hole	Surface Water	Talbingo Reservoir, upstream of GF01 emplacement area
EPL53	148.391	-35.774	Lobs Hole	Surface Water	Talbingo Reservoir upstream East of GF01 emplacement area
EPL54	148.389	-35.775	Lobs Hole	Surface Water	Talbingo Reservoir Upstream West of GF01 emplacement area
EPL55	148.387	-35.778	Lobs Hole	Surface Water	Yarrangobilly River, Surface Water Downstream of GF01 emplacement area
EPL56	148.391	-35.774	Lobs Hole	Groundwater	Ground Water Upstream East from GF01 emplacement area
EPL57	148.389	-35.775	Lobs Hole	Groundwater	Ground Water Upstream West from GF01 emplacement area
EPL58	148.389	-35.777	Lobs Hole	Groundwater	Ground Water Downstream from GF01 emplacement area
EPL59	148.644	-35.761	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB1
EPL60	148.644	-35.760	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB2
EPL61	148.648	-35.76	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB3
EPL62	148.649	-35.762	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB4
EPL63	148.649	-35.763	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB5
EPL64	148.64	-35.767	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB6
EPL65	148.648	-35.7641	Tantangara	Surface Water	Tantangara Leachate Basin Tan-SW-SB7
EPL66	148.651	-35.763	Tantangara	Surface Water	Tantangara Leachate Basin Downstream East from Tantangara emplacement area Tan-SW-DSE





Name	х	Y	Location	Sample Type	Description
EPL67	148.642	-35.760	Tantangara	Surface Water	Nungar Creek Surface Water Downstream West from Tantangara emplacement area Tan-SW-DSW
EPL68	148.644	-35.760	Tantangara	Groundwater	Ground Water Downstream East from Tantangara emplacement area Tan-GW-DSE
EPL 69	148.650	-35.763	Tantangara	Groundwater	Ground Water Downstream West from Tantangara emplacement area Tan-GW-DSW
EPL 70	148.645	-35.770	Tantangara	Groundwater	Ground Water Upstream from Tantangara emplacement area Tan-GW-US
EPL71	148.470	-35.788	Marica	Surface Water	Surface water downstream from Marica emplacement area MAR-SW-US
EPL72	148.466	-35.788	Marica	Groundwater	Groundwater upstream from Marica emplacement area MAR-GW-US
EPL73	148.453	-35.787	Marica	Groundwater	Groundwater downstream from Marica emplacement area MAR-GW-DS
EPL76	148.667	-35.949	Rock Forest	Surface Water	Groundwater Sediment Basin 1 from Rock Forest emplacement area RF-SW-SB1
EPL77	148.668	-35.950	Rock Forest	Surface Water	Groundwater Sediment Basin 2 from Rock Forest emplacement area RF-SW-SB2
EPL78	148.668	-35.951	Rock Forest	Surface Water	Groundwater Sediment Basin 3 from Rock Forest emplacement area RF-SW-SB3
EPL79	148.666	-35.952	Rock Forest	Surface Water	Groundwater Sediment Basin 4 from Rock Forest emplacement area RF-SW-SB4
EPL80	148.399	-35.792	Lick Hole Gully	Groundwater	Lick Hole Gully groundwater monitoring upstream from Lick Hole Gully emplacement area
EPL81	148.401	-35.790	Lick Hole Gully	Groundwater	Lick Hole Gully groundwater monitoring downstream from Lick Hole Gully emplacement area
EPL82	148.396	-35.791	Main Yard	Groundwater	Main Yard groundwater monitoring upstream from Main Yard emplacement area
EPL83	148.399	-35.787	Main Yard	Groundwater	Main Yard groundwater monitoring downstream from Main Yard emplacement area
EPL84	148.398	-35.788	Main Yard	Surface Water	Leachate Basin from Main Yard spoil emplacement area labelled F8 Basin





Name	x	Y	Location	Sample Type	Description
EPL85	148.401	-35.790	Main Yard	Surface Water	Main Yard leachate basin labelled MY07 Basin
EPL86	148.402	-35.791	Lick Hole Gully	Surface Water	Lick Hole Gully leachate basin labelled LHG01
EPL87	148.393	-35.784	Main Yard	Groundwater	Main Yard groundwater monitoring downstream from Main Yard emplacement area
EPL88	148.396	-35.786	Main Yard	Groundwater	Main Yard groundwater monitoring downstream from Main Yard emplacement area
EPL89	148.403	-35.791	Lick Hole Gully	Groundwater	Lick Hole Gully groundwater monitoring downstream from GF01 emplacement area
EPL90	148.386	-35.778	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL91	148.386	-35.779	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL92	148.387	-35.777	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL93	148.387	-35.777	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL94	148.387	-35.777	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL95	148.388	-35.778	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL96	148.398	-35.778	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area
EPL97	148.390	-35.778	GF01	Groundwater	GF01 groundwater monitoring downstream from GF01 emplacement area

\*These EPL points are not currently active monitoring locations of EPL21266 ^ GPS Coordinates are a guide only, ground truthing is required and sampling locations will be determined based on conditions in field.





# 1.2. Conditions of Report

As per Section 6, Condition R4.3 of EPL 21266 this report must include the information listed in **Table 1-2**.

 Table 1-2: EPL 21266 Environmental Monitoring Report Requirements

Environmental Monitoring Report requirement	Report Section				
Results of all water quality monitoring undertaken in the preceding six (6) month period	Appendix B, Appendix C				
Results of all weather monitoring undertaken in the preceding six (6) month period	Section 2				
Assessment of historical trends in all water sampling data for each monitoring point inclusive Section 3 of the current six (6) month period					
Identification of instances where the water quality objective triggers for each relevant pollutant were exceeded at receiving water locations and/or where the predicted discharge water quality was exceeded at sediment basin discharge points;	Section 3, Appendix C, Appendix D				
Include details of any actions taken by the Licensee in response to exceedances identifiedincluding but not limited to:i.additional monitoringii.remedial actions; andiii.activation of trigger, action, response plans (TARPs);	Sections 3 and 4				
Recommendations for future actions in relation to monitoring and/or management Section 4					

# 1.3. EPL Variations in Reporting Period

During this reporting period of June 2024 to November 2024, no variations to EPL21266 were issued to SHL.

# 1.4. Regulatory Actions

Clean-Up Notice 3507331 (SR-1638) was issued to SHL on the 1<sup>st</sup> of December 2023. Notice 3507331 comprised directions regarding management of materials and water, more specifically, nutrient concentrations in ground water and surface water from the Project spoil emplacement areas exceeding the relevant WQO's. FGJV is actively addressing the ongoing high levels of nitrogen and nutrients, including:

- Conducting spoil coring of emplacement areas including GF01, Main Yard, and Lick Hole Gully to identify hot spots;
- Conducting additional water sampling with weekly in situ and comprehensive sampling in accordance with TARP 1;
- Installation of additional groundwater bores;
- Groundwater extraction with treatment of groundwater and leachate basin water at the construction water treatment plants;
- Review of water and spoil by water experts and consultants; and
- Investigation of options for improvements to the onsite treatment systems and processes.

The following actions are being carried out to manage, limit, and control the impacts in the area:

- The filter cake disposal and related materials at GF01 ceased on 1 December 2023.
- A Nitrogen Management Plan is under preparation in consultation with the EPA.





- Drill and blast activities are being assessed, and a quality procedure will be generated to improve the methodology.
- FGJV is conducting some trials to decrease spoil's nutrient load before placement.
- The water from the leachate basins is transported to the water treatment plants for treatment.
- The surface water from EPL 55, downstream from GF01, is pumped to the leachate basin at GF01 when there is a flow and is transported to the water treatment plants for treatment.

On the 14<sup>th</sup> of November 2024, SHL was issued Variation 3510847 to Clean Up Notice 3507331. The variation encompassed updated definitions regarding material requiring managemend under the Notice. Specifically, the updates included:

- Immediately from the date of this Notice, being 1 December 2023, cease all further emplacement of waste sludge and filter cake material at all permanent and temporary spoil emplacement area within Kosciuszko National Park until a date approved in writing by the EPA. Filter cake material refers to suspended solids removed from the Water Treatment Plant. Waste sludge material refers to fines collected from:
  - Water collection tanks from the tunnels
  - o Water treatment tanks
  - Wedge pits
  - Leachate basins.
- By 5pm on the date which is one (1) week from the date of this Notice being 8 December 2023, commence providing a fortnightly status report to the EPA via info@epa.nsw.gov.au and copy in carlie.armstrong@epa.nsw.gov.au on the progress of:
  - o a. The Action Plan provided in response to the Prevention Notice
  - b. Extraction volumes and treatment of groundwater and surface water at relevant spoil emplacement locations where relevant guidelines have been exceeded
  - c. All updated water quality monitoring data collect and analysed for monitoring points relevant to the spoil emplacement areas across the project. The data must:
    - Be provided in continuous excel format
    - Adopt mg/L as the unit of measurement
    - Not include negative values
    - Include consistent Limits of Detection across all reports and
    - Refer to relevant licence monitoring point numbers with no spacing (e.g. EPL1, EPL2)
- By 5pm on the date which is one (1) week from the date of this Notice, being 8 December 2023, establish meetings between Snowy Hydro and the EPA to provide a platform discussing the status of the response to the incident and next steps. The EPA recommends that these meetings are rotated fortnightly, with week 1 being led by operational staff, and week 2 being led by senior officers (e.g. Project Directors). Meeting invites can be directed to Andreas Stricker at andreas.stricker@epa.nsw.gov.au for distribution to relevant EPA attendees.





# 1.5. Project Updates

This bi-annual monitoring update includes sampling events within the reporting period. This period included significant progress of the Main Works package of the Snowy 2.0 Project. Please note Modification 3 works are not included due to lack of approval within the reporting period. A summary of construction activities at each site is outlined below.

- 1.5.1. Lobs Hole (Mat Portal / Main Yard / ECVT / Ravine Bay / Main Camp / Ex Camp / GF01)
  - All relevant Leachate Detection Procedures in place during the reporting period.
  - Ravine Bay installation of emplacement liners completed.
  - Ravine Bay spoil emplacement commenced, Stage 1 completed.
  - GF01 storage capacity reached. Spoil placement ceased.
  - 350 mm tunnel dewatering pipeline spanning mine trail road completed.
  - Utilities cable pulling works completed.

#### 1.5.2. Marica

- Marica Trail sealed until USS spoil pad.
- Sediment basins decommissioned, with exception to MC01, MC02 and MC03.

#### 1.5.3. Tantangara

- Sediment basin decommissioning works along Quarry Trail complete.
- PSE excavation and installation works commenced.

Surface Depression rehabilitation works completed.

#### 1.5.4. Trunk Services (Gooandra)

- Works Complete.
- Rehabilitation works complete.

#### 1.5.5. Rock Forest

- Preparation for Modification 3 spoil placement works completed.
- Storage of materials including delivery of segments.





# 2. WEATHER MONITORING RESULTS

# 2.1. Weather Stations

There are several weather stations along the alignment of the Project that report real-time data. These include:

- "Lobs Hole" an automatic weather station managed by Future Generation in Lobs Hole Main Yard.
- "Cabramurra" an automatic weather station located near the lookout in the Cabramurra township managed by the Bureau of Meteorology (BoM)
- "Tantangara" an automatic weather station managed by Future Generation in Tantangara construction site.

The Tantangara and Lobs Hole gauges are in sub-alpine environments, with elevations of approximately 1200 m and 600 m, respectively. Cabramurra records substantially higher annual rainfall amount than the lower-elevation gauges at Lobs Hole and Tantangara. Tantangara and Lobs Hole weather stations record actual onsite conditions at the respective construction sites, while Cabramurra weather station, at 1470 m is representative of conditions at Marica which has an elevation of 1480 m and is approximately 15 km north of the Cabramurra Station.

# 2.2. Rainfall Data

The cumulative rainfall within the reporting period **Figure 2-1**.

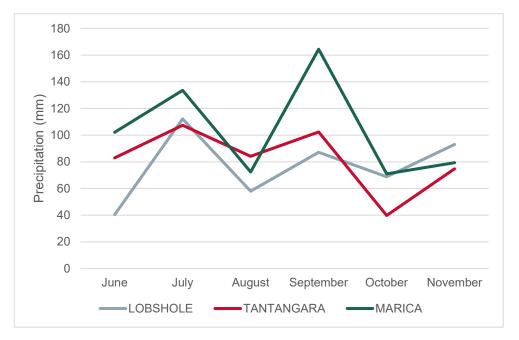


Figure 2-1: Cumulative Rainfall across Lobs Hole, Tantangara and Cabramurra





At each of the three rainfall recording sites (Tantangara, Lobs Hole, and Cabramurra), the highest volume of rain that fell in a single day are as follows:

- 44.4 mm at Lobs Hole 28 November 2024;
- 67 mm at Cabramurra (Marica) 12 June 2024; and
- 35.2 mm at Tantangara 26 September 2024.

On the five-day time scale, the heaviest precipitation events were as follows:

- Lobs Hole: 51.4 mm between 16 and 20 July 2024;
- Cabramurra (Marica): 92.8 mm between 21 and 26 September 2024; and
- Tantangara: 61.2 mm between the 17 and 21 July 2024.

Table 2-1: Recorded rainfall (mm) across Snowy 2.0 worksites. Long Term Average (LTA) rainfall data from BOM.Lobs Hole average rainfall taken from Tumbarumba total weather station. Tantangara taken from AdaminabyAlpine Tourist Park Weather Station

	Tantangara		Cabramurra (Marica)		Lobs Hole	
Month	Monthly (mm)	LTA	Monthly	LTA	Monthly	LTA
June	83	57.8	102.2	124.5	40.4	102.3
July	107.4	53.8	133.6	113.8	112.2	103.6
August	84.2	59.7	72.4	127.7	58	106.2
September	102.4	60.1	164.4	120.0	87.2	90.0
October	39.8	67.8	71	109.4	68.8	95.2
November	74.8	58.9	79.4	122.9	93	77.0

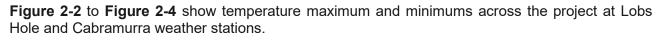
Tantangara reported monthly rainfall totals greater than long term averages for every month excluding October. Marica reported July and September as greater than long term averages within the reporting period while Lobs Hole received greater than Long-Term Average rainfalls in July and November 2024.

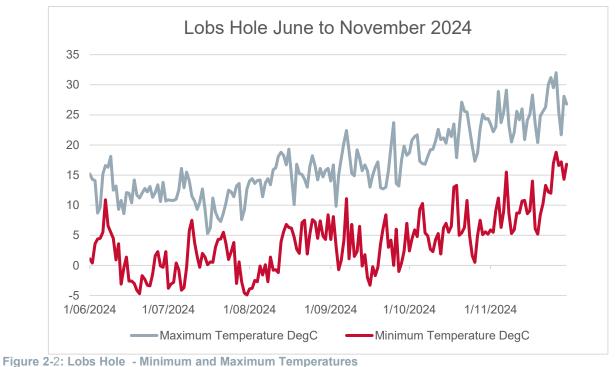
Tantangara and Lobs Hole received a reduction in total rainfall when compared to the previous annual reporting period (June to November 2023) whilst Marica experienced an increase of 160 mm total rainfall within the timeframe.

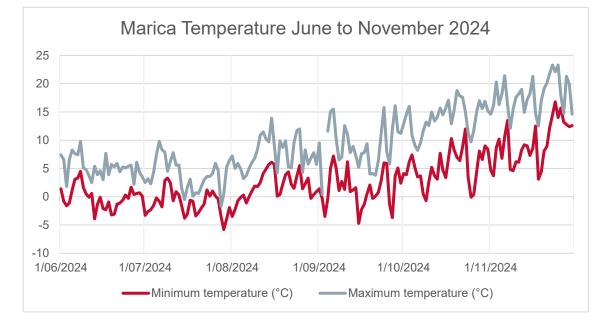




# 2.3. Temperature Data













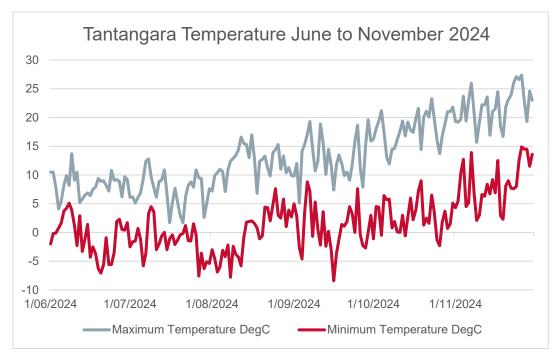


Figure 2-4: Tantangara - Minimum and Maximum Temperatures

The mean maximum temperature was generally higher in December 2023 to May 2024 than the same period in December 2022 to May 2023, but the mean minimum temperatures were lower in 2023/2024 than the same reporting period in 2022/2023.

The higher maximum temperatures, and lower minimum temperatures are congruent with the "El Niño" event declared by the World Meteorological Organization. It was predicted to be finished in April 2024.





# 3. MONITORING RESULTS

# 3.1. June – November 2024 Water Quality Monitoring

Water Quality Monitoring results are provided in **Appendix B** and **C** for monthly EPL monitoring events. The sampling work was performed in accordance with:

- S2-FGJV-ENV-PLN-0010 Water Management Plan Snowy 2.0 Main Works;
- S2-FGJV-ENV-PRO-0048 Water Monitoring Procedure;
- AS 5667:1 Water quality- Sampling: Guidance on the design of sampling programs and the preservation and handling of samples;
- AS 5667:4 Water quality Sampling: Guidance on the sampling of lakes, natural and manmade;
- AS 5667:6 Water quality Sampling: Guidance on the sampling of rivers and streams; and
- AS 5667:11 Water quality- Sampling: Guidance on the sampling of groundwater.

# 3.2. In Situ Monitoring

Under Section 6 Condition R4.1, the EPA must be notified of any *in situ* pollution concentrations that exceed, or are outside the range of, relevant water quality trigger values within licenced premises (Condition R4.1 a) or at the designated EPL monitoring points (Condition R4.1 b).

 Table 3-1: Number of Concentrations Exceeding or Outside the Range of Water Quality Objectives for Monthly EPL Monitoring

Water Quality Objectives	DO (%)	EC (μS/cm)	рН	Turbidit y (NTU)	Comment				
Range	90- 110	>350 surface / groundwater >30 reservoirs	6.5-8	>25					
	June to November 2024								
June	16	26	17	6	There were an increase exceedances of DO and EC for some EPLs which can result from rainfall events, temperature fluctuations and water level fluctuations throughout the project. An increase in pH exceedances is noted to have occurred within the reporting period. Turbidity exceedances are noted to be minor and likely congruent with rainfall events effecting runoff.				
July	20	34	24	15	Some exceedances may be attributed to rain events, as it was the month with the highest rain on-site during the reporting period. There were exceedances in some parameters, such as pH, EC, DO, and turbidity.				
August	17	36	19	10	Periods of dry followed by days of intense rainfall coupled with a rise in maximum temperatures throughout the reporting period are understood to influence water levels, pH, EC and DO within the reporting period.				
September	36	35	24	10	The exceedances in DO and EC are noted to be greater than the previous reporting period. Turbidity ais attributed to natural variation and precipitation.				
October	17	31	12	9	There were fewer exceedances for DO and turbidity within October. EC was observed at an increase frequency of exceedances within the month.				





November	15	30	20	9	November included EC exceedances increase from the previous reporting period. EC is generally influenced by minerals and salts dissolving in flooding or surface water runoff / groundwater inundation.
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All *in situ* monitoring results are presented in **Appendix B** – Field Monitoring Data.

During the reported period, there were variations observed in the results obtained between DO, EC, pH and Turbidity. These variations are consistent with climatic conditions experienced across the Project, variations between precipitation and temperature, fluctuations in reservoir water levels and varying stages of chemical change within the nitrogen cycle. The major water bodies within Tantangara and Lobs Hole act as the final recipient of overland runoff, which after periods of dry and intense wet, can see minor alterations to in-situ parameters.

Additionally, in-situ water quality parameters are understood to vary significantly following a rain event, when water levels are low or when groundwater bores have some degree of sediment build up within the water column. As all sampling locations are influenced by the aforementioned factors, the presented in-situ results are in line with conditions experienced on Project.

### 3.3. Groundwater Monitoring

Regular Groundwater monitoring events are undertaken to determine the conditions within the numerous subsurface water systems across the Project. Groundwater quality trigger levels for the Project are outlined in Table C-1 of the Main Works – Groundwater Monitoring Program.

Groundwater level monitoring is undertaken in accordance with EPL21266, the numerous Leachate Detection Procedures (LDP's) and the Water Monitoring Procedure.

Site specific groundwater level triggers as outlined in Attachment B of the Main Works – Groundwater Monitoring Program have been established to monitor whether observed drawdown is greater than construction related predicted drawdown. Groundwater piezometer data from an additional network of boreholes is collected and assessed by SHL.

#### 3.3.1. EPL 1, 2, 4, 25

Groundwater sampling was undertaken throughout the reporting period in 2024 for EPL locations 1, 2, 4 and 25.

Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, Laboratory analytes in December 2023 to May 2024 were less than, or within, relevant water quality trigger values except for:

- Ammonia as N;
- Nitrite + Nitrate;
- Nitrogen (total);
- Reactive Phosphorus;
- Phosphorus (Total);
- Arsenic (Dissolved);
- Chorium (III+VI) (dissolved);
- Copper (dissolved);
- Nickel (dissolved) and;
- Zinc (dissolved).





The metals exceedances are representative of natural conditions, noting that several Project areas fall within naturally enriched metal formations. The nutrient exceedances generally fall within standard variation for these wells, with some increase in concentration frequencies. Nutrient exceedances form part of investigative works undertaken to inform management decisions and Project processes.

#### 3.3.2. **GF01**

Groundwater sampling at GF01 was undertaken weekly within the reporting period in accordance with the TARP process as a result of elevated nitrogen concentrations in groundwater.

Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, Laboratory analytes were less than, or within, relevant water quality trigger values except for:

- Ammonia as N;
- Nitrogen (total);
- Nitrite + Nitrate
- Iron;
- Reactive and total phosphorus;
- Aluminium;
- Arsenic;
- Chromium;
- Copper;
- Lead;
- Nickel;
- Silver; and
- Zinc.

Exceedances of Nitrogen, Ammonia, and a number of metals were observed upstream and downstream from emplacement locations as well as nutrients. The most elevated nutrients were observed to correlate to rainfall events and down gradient locations, indicating a relationship with leachate migration following rainfall events.

High levels of nutrients observed are currently under investigation with extraction and treatment of impacted water is in place to minimise migration of impacted water while appropriate treatment options are implemented.

#### 3.3.3. Main Yard and Lick Hole Gully

Groundwater sampling at Main Yard and Lick Hole Gully was undertaken weekly within the reporting period in accordance with the TARP process as a result of elevated nitrogen concentrations in groundwater.

Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, Laboratory analytes were less than, or within, relevant water quality trigger values except for:

• Nitrogen (total);





- Ammonia;
- Nitrite + Nitrate as N;
- Total phosphorus;
- Aluminium;
- Arsenic;
- Chromium;
- Copper;
- Iron;
- Lead;
- Nickel;
- Silver; and
- Zinc.

Main Yard and Lick Hole Gully sampling locations are monitored on a weekly basis for comprehensive parameters. Exceedances of Nitrogen, Phosphorous, and a number of metals were also observed in sediment basins and surface water locations within Main Yard and Lick Hole Gully with some similar exceedances noted. Comprehensive and in situ samples are collected on a weekly basis while an investigation is being undertaken to determine the source of elevated Nitrogen. Other analytes were within the WQO range.

# 3.4. Surface Water

Routine surface water quality monitoring is undertaken in accordance with relevent Conditions of and the Environment Protection Licence No. 21266 (EPL - 21266) to determine if the project is resulting in any impacts to receiving water quality against the Water Quality Objectives (WQO). The WQOs are specified in Table 2-2 of the Main Works – Surface Water Monitoring Program.

Surface water monitoring has been split up into:

- Talbingo and Tantangara Reservoirs;
- Lobs Hole;
- Tantangara; and
- Marica; and
- Rock Forest.

#### 3.4.1. Talbingo and Tantangara Reservoirs

Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, laboratory analytes in June to November 2023 were less than, or within, relevant water quality trigger values except for:

- Total Phosphorus
- Nitrite + Nitrate as N;
- Ammonia;





- Nitrogen;
- Arsenic;
- Aluminium (total);
- Aluminium (dissolved);
- Copper (dissolved);
- Chromium;
- Iron;
- Lead;
- Manganese;
- Zinc (dissolved); and
- BOD.

Some exceedances in nutrients and BOD were observed. This was most likely due to runoff from natural processes, as there was minimal discharge for the reported period.

Primarily, discharged water appeared to be inconsistent with the exceedances observed in the reservoir. It is noted that Emergency discharge actions have been actioned within the reporting period, however fluctuations in concentration exceedances are not understood to correlate accordingly.

#### 3.4.2. Lobs Hole Surface Water

The predominant water body within the Lobs hole region is the Yarrangobilly River (**Appendix A**). It along with its tributaries constitute the EPL surface water sampling locations within the Lobs Hole area.

Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, analytical results within the reporting period were less than, or within, relevant water quality trigger values except for:

- Total Phosphorus
- Nitrite + Nitrate as N;
- Ammonia;
- Nitrogen (total);
- Arsenic (dissolved)
- Aluminium (dissolved);
- Chromium (dissolved);
- Copper (dissolved)
- Iron (dissolved);
- Lead (dissolved);
- Nickel (dissolved); and
- Zinc (dissolved).





Exceedances are observed for some analytes in some points caused by rain events and runoff. During the reported period, there was a exceedance in nutrient concentrations at nominal locations which have triggered TARPS. These locations were noted to occur within proximity to spoil emplacement areas.

Both sediment laden water and leachate water are collected in respective basins. All leachate water is treated prior to its reuse. Metal exceedances were observed within historical ranges and similar to background concentrations in the respective locations.

#### 3.4.3. Marica Surface Water

The predominant water body within the Marica are the headwaters of the Eucumbene River (**Appendix A**). Two samples are taken up and downstream of the Snowy 2.0 disturbance areas to make up the EPL sampling locations. Further sample locations include leachate basins and one down gradient stream location.

Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, analytical results within the reporting period were less than, or within, relevant water quality trigger values with exception of:

- Total Phosphorus
- Nitrite + Nitrate as N;
- Ammonia;
- Nitrogen (total);
- Arsenic (dissolved)
- Aluminium (dissolved);
- Chromium (dissolved);
- Copper (dissolved)
- Iron (dissolved);
- Lead (dissolved);
- Nickel (dissolved); and
- Zinc (dissolved).

The exceedances to the water quality objectives within the Eucumbene sample locations are considered natural in origin and not caused or added to by the ongoing Project activities. The results obtained from locations within the LDP are currently operating under TARP conditions and are therefore sampled weekly.





#### 3.4.4. Tantangara Surface Water

The predominant water bodies within Tantangara (excluding the reservoir) are the Nungar and Kelly's Plain Creeks (**Appendix A**). The leachate basins along with the outflow of the Tantangara Reservoir comprise the EPL surface water sampling locations within the Tantangara area. Analyte concentrations that exceed or are outside the range of relevant water quality trigger values are presented in **Appendix C**.

Generally, results from monthly EPL sampling within the reporting period were less than, or within, relevant water quality trigger values except for:

- Total Phosphorus
- Nitrite + Nitrate as N;
- Ammonia;
- Nitrogen (total);
- Arsenic (dissolved)
- Aluminium (dissolved);
- Chromium (dissolved);
- Copper (dissolved)
- Iron (dissolved);
- Lead (dissolved);
- Nickel (dissolved);
- Zinc (dissolved); and
- BOD.

The majority of WQO analytes were within parameters throughout the reporting period. Nutrient concentrations throughout Tantangara were influenced by reservoir water levels, temperature of water bodies, rainfall events and other such natural influences.

The stream-based locations are primarily located above and below gradient of sealed or similar surfaced roadways, with exception to those located at confluences. All locations are anticipated to be influenced by contributing nutrient rich saturation zones, hooved animal disturbance and fluctuating states of dry and flood. The LDP locations are operating under TARP conditions.

#### 3.4.5. Rock Forest Surface Water

The predominant water body within Rock Forest is Cameron's Creek (**Appendix A**). Two samples are taken, up and downstream of the Snowy 2.0 disturbance areas to make up the EPL sampling locations. In accordance with the Rock Forest LDP, five (5) monitoring bores were installed across the potential spoil emplacement area.

Analyte concentrations that exceed, or are outside the range of relevant water quality trigger values are presented in **Appendix C**. Generally, results from December 2023 to May 2024 were less than, or within, relevant water quality trigger values with the exception of:

- Ammonia as N;
- Phosphorus;
- Nitrite + Nitrate;





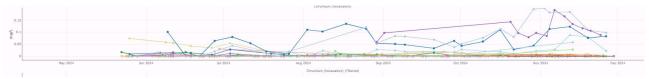
- Nitrogen (total);
- Aluminium (dissolved);
- Arsenic (dissolved);
- Chromium (dissolved);
- Iron (dissolved);
- Zinc (dissolved);

The monitoring results demonstrate that the water quality in the Rock Forest has consistency across multiple EPL monitoring events with the exceedances likely to be related to the decades of agricultural use. High nitrogens are likely caused by consistent fertiliser application and low rates of natural vegetation recovery throughout the grazing pasture. This is supported by the lack of any spoiling activities occurring at the location throughout the reporting period.

# 3.5. Trends

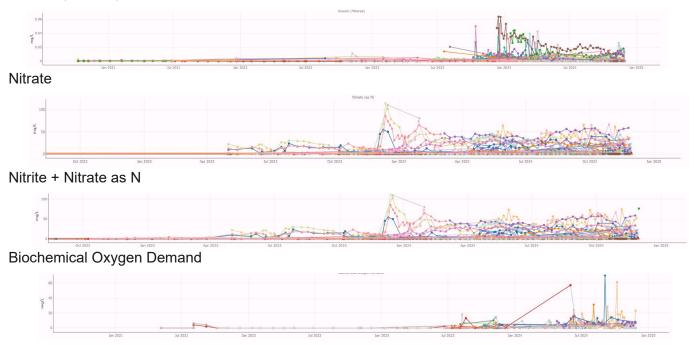
### 3.5.1. Decreasing Trends – Lobs Hole

#### Chromium (Hexavalent)



# 3.5.2. Increasing Trends – Lobs Hole

# Arsenic (Filtered)







## Chromium (III + VI)



# 3.5.3. Decreasing Trend - Tantangara

None identified.

# 3.5.4. Increasing Trend - Tantangara

#### Nitrate



### Nitrite



# Total Nitrogen



# 3.5.5. Decreasing Trend - Marica

# None Identified

# 3.5.6. Increasing Trend – Marica

# Arsenic



A review of the analytical trends indicate a greater number of increasing trends as opposed to decreasing trends across project sites. Analytical data for key nutrients is observed to be increasing across the majority of project sites, with data from Marica primarily comprised of leachate storage infrastructure, which skews the information.

Lobs Hole was observed to contain the greatest number of analytical trend increases, specifically within the nutrient analytical family.





# **3.6. EPA Notifiable Events**

#### See below the EPA notified events that triggered TARPs to be enacted onsite.

#### Table -2: Events Triggering TARP Implementation and EPA Notification

Date	Site	Incident Number	Event
11/06/2024	Lobs Hole	S2-FGJV-ENV-INC- 114797	Sediment-laden water reporting to Yarrangobilly River at F5a basin
11/06/2024	Lobs Hole	S2-FGJV-ENV-INC- 114861	Elevated nitrogen concentration at EPL monitoring point EPL55 Confluence
12/06/2024	Tantangara	S2-FGJV-ENV-INC- 114861	Tantangara sediment basins overtopping event
13/06/2024	Lobs Hole	S2-FGJV-ENV-INC- 114807	Sediment-laden water reporting to EPL55B and the Yarrangobilly River
3/07/2024	Lobs Hole	S2-FGJV-ENV-INC- 115922	Talbingo Wedge-pit Material Placed in Pad 50
9/07/2024	Lobs Hole	S2-FGJV-ENV-INC- 115977	GF01 Gully Sump A leaking
16/07/2024	Lobs Hole	S2-FGJV-ENV-INC- 115998	Lobs Hole Sediment Basin Overtopping
20/07/2024	Lobs Hole	S2-FGJV-ENV-INC- 116015	Sediment Basin Overtopping Event
20/07/2024	Lobs Hole	S2-FGJV-ENV-INC- 116012	Sediment-laden water entering Yahoo Gully from F10.5 basin
21/07/2024	Tantangara	S2-FGJV-ENV-INC- 116029	Tantangara Sediment Basin Overtopping Event
26/07/2024	Marica	S2-FGJV-ENV-INC- 116056	Marica Sediment Basin Overtopping Event
27/07/2024	Tantangara	S2-FGJV-ENV-INC- 116102	Elevated nitrates and total nitrogen concentration at EPL103
4/08/2024	Lobs Hole	S2-FGJV-ENV-INC- 116100	Improper Waste Management at Lick Hole Gully PSE
13/08/2024	Lobs Hole	S2-FGJV-ENV-INC- 116160	F5a sediment basin overtopping due to excessive upstream watercart irrigation
26/08/2024	Lobs Hole/Tantangara/Marica	S2-FGJV-ENV-INC- 116230 S2-FGJV-ENV-INC- 116229	Overtopping Basins at Lobs Hole, Tantangara, and Marica
7/09/2024	Tantangara	S2-FGJV-ENV-INC- 116302	Breach of Construction Envelope by Watercart on Tantangara Road
26/08/2024	Tantangara	S2-FGJV-ENV-INC- 116340	Tantangara Site Discharge - Exceedance in BOD Analyte





18/08/2024	Lobs Hole	S2-FGJV-ENV-INC- 116359	EPL Sampling Non-Conformance
25/09/2024	Lobs Hole	S2-FGJV-ENV-INC- 116410	Sediment laden water entering Yarrangobilly River
25/09/2024	Lobs Hole	S2-FGJV-ENV-INC- 116411	F5a and F9 Basin Overtopping
26/09/2024	Lobs Hole	S2-FGJV-ENV-INC- 116420	Sediment leachate laden water entering Yarrangobilly River from EPL84
26/09/2024	Tantangara	S2-FGJV-ENV-INC- 116425	Tantangara Basin Overtopping Event
21/09/2024	Tantangara	S2-FGJV-ENV-INC- 116429	EPL69 Analytical Exceedance
27/09/2024	Marica	S2-FGJV-ENV-INC- 116427	EIS boundary encroachment from rock and fill material
5/10/2024	Lobs Hole	S2-FGJV-ENV-INC- 116478	F5A Sediment Basin Overtopping
12/10/2024	Lobs Hole	S2-FGJV-ENV-INC- 116512	Sediment laden water entering Middle Creek
16/10/2024	Lobs Hole	S2-FGJV-ENV-INC- 116545	Discharge of non-compliant water into Talbingo reservoir
19/10/2024	Lobs Hole and Marica	S2-FGJV-ENV-INC- 116568	Sediment basin overtopping event
19/10/2024	Lobs Hole	S2-FGJV-ENV-INC- 116571	Sediment leachate laden water entering Yarrangobilly River from EPL84 basin
14/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116788	Sediment leachate laden water entering Yarrangobilly River
26/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116859	Sediment laden water reporting to Yarrangobilly river at basin F5a (26/11/2024)
28/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116872	F5A and F9 basin overtopping, reaching Yarrangobilly River
28/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116868	Sediment and leachate laden water entering Yarrangobilly River from basins F8 and F8.5
28/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116870	Sediment laden water entering Yahoo Gully from basin F10.5
30/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116884	ECVT turkey's nest overtopping
30/11/2024	Lobs Hole	S2-FGJV-ENV-INC- 116897	F1, F3a, F3b, and TTP01 sediment basin overtopping event





# DISCUSSION

Monitoring of all water locations occurred between the 1*st* of June and the 30*th* November 2024 across Lobs Hole, Marica and Tantangara.

The observed variations are considered consistent with climatic conditions experienced across the Project, specifically, variations between precipitation and temperature, fluctuations in reservoir water levels and varying stages of chemical change within the nitrogen cycle. The nitrogen cycle has influenced such factors through promoting algal presence within primary water bodies.

The Reservoirs act as the major water bodies within Tantangara and Lobs Hole. These features are the final recipient of overland runoff, which after periods of dry and intense wet, can see minor alterations to in-situ parameters following dissolved minerals and salts.

Additionally, in-situ water quality parameters are understood to vary significantly following a rain event, when water levels are low or when groundwater bores have some degree of sediment build up within the water column. Rainfall duration further influences surface saturation, which results in reactional variations to water seepage and hydrogeological conductivity.

Laboratory analytical results include increasing nutrient loads within areas of proximity to, or down gradient of permanent spoil emplacement areas. Within this focus area, water collected from leachate infrastructure is treated and reused when appropriate analytical concentrations dictate. Analytical concentrations were observed to have some correlation to those locations within above gradient positions to the permanent spoil emplacement areas on site. For example, Tantangara above gradient location EPL70 consistently exceeded the adopted WQO's in line with down gradient LDP locations throughout the reporting period.





# APPENDIX A – SNOWY 2.0 – EPL SAMPLING LOCATIONS

# SURFACE WATER EPL POINTS SAMPLING

SURFACE WATER EPL POINTS SAMPLING LOBSHOLE – MAT PORTAL /ECVT







#### SURFACE WATER EPL POINTS SAMPLING LOBSHOLE – MAIN OFFICE/ MAIN YARD







#### SURFACE WATER EPL POINTS SAMPLING LOBSHOLE – MAIN CAMP/GF01







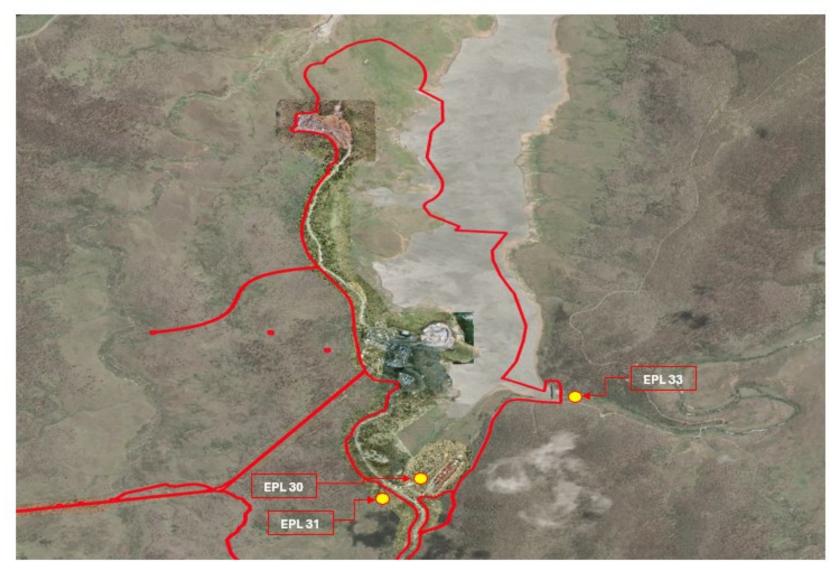
# SURFACE WATER EPL POINTS SAMPLING MARICA







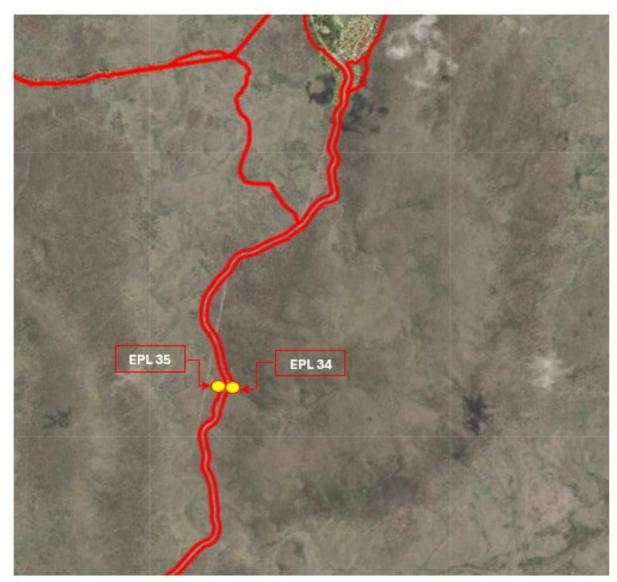
# SURFACE WATER EPL POINTS SAMPLING TANTANGARA







# SURFACE WATER EPL POINTS SAMPLING TANTANGARA







## SURFACE WATER EPL POINTS SAMPLING ROCK FOREST



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## SURFACE WATER LEACHATE EPL POINTS SAMPLING

### SURFACE WATER LEACHATE EPL POINTS SAMPLING LOBSHOLE – GF01







# SURFACE WATER LEACHATE EPL POINTS SAMPLING LOBSHOLE – MAIN YARD







## SURFACE WATER LEACHATE EPL POINTS SAMPLING TANTANGARA







## SURFACE WATER LEACHATE EPL POINTS SAMPLING MARICA







## **GROUND WATER EPL POINTS SAMPLING**

GROUND WATER EPL POINTS SAMPLING LOBSHOLE – MAT PORTAL /ECVT







## **GROUND WATER LEACHATE EPL POINTS SAMPLING**

GROUND WATER LEACHATE EPL POINTS SAMPLING LOBSHOLE – GF01







## GROUND WATER LEACHATE EPL POINTS SAMPLING LOBSHOLE – MAIN YARD







## GROUND WATER LEACHATE EPL POINTS SAMPLING LOBSHOLE – TANTANGARA







## APPENDIX B – IN SITU RESULTS TABLES

### **JUNE 2024**

#### 2024 EPL 21266 In Situ Water Quality Measurements EPL Monthly Monitoring June 2024

Table 1 - Surface Water Quality Data

Table 1 - Surface Water O	Quality Data					Water Qualit	v Objectives (see no	te 1)			1	
River and Minor Waterco			Temp ('C)	DO (%) 90 - 110	DO (mg/L)	EC (µS/cm) 30 - 350	TDS (mg/L)	pH 6.5 - 8.0	Redax (mV)	Turbidity (NTU) 2 - 25		
		Investing Records they									Ifield Comments	Contact
Date and Time	EPL Site ID	Location Description	Temp ('C)			EC (µS/am)	TDS (mg/L)	pH				Context This location is upstream of works and is therefore representative
6/6/2024, 9:24 am	PIS	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	9.36	118.1	13.53	68	44	0.25	199	5.2	Clear and moderate flow, not turbid, no odour	background conditions.
8/6/2024, 10:06 am	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	9.32	89.8	10.5	м	55	7.96	219	3.4	Clear water, low level, stinky odour around, sunny	Low DO is consistent with historical ranges for this location however the cause for the decrease in DO from EPLS is unknown and will be monitored.
8/6/2024, 11:15 am	CPUS	Yarrangobilly River, downstream of Lick Hole Gully	10.84	93.4	30.54	30	45	7.89	226	3.4	Clear, consistent and moderate flow, no turbidity or odour	All readings are within WQO limits.
1/6/2024, 10:41 am	6P13	Yarrangobilly River, downstream of the accommodation camp and upstream of Taibingo Reservoir	8.4	93.4	10.95	58	38	8.45	103	37.5	Turbid water, doudy, no odour, foams on water	Elevated pH is generally consistent with background conditions during sampling and within historical ranges. The evelated turbidit likely due to recent rainfall (32.6 mm recorded for 31/5/2024)
8/6/2024, 9:43 am	EP1.12	Yarrangobiliy River, immediately downstream of portal pad	9.45	100.9	11.54	67	40	8.06	210	5.1	Clear, consistent and moderate flow, no turbidity, no odour	High pH is consistent with background conditions during sampling this location for June 2024.
8/6/2024, 10:31 am	EPL14	Yarrangobilly River, downstream of road construction areas	9.9	93.2	11.1	8	45	7.89	224	3	Clear, consistent and moderate flow, no turbidity or odour	All readings are within WQO limits.
8/6/2024, 10:57 am	EPL15	Yarrangobilly River, downstream of road construction areas	30.41	102.3	11.42	30	44	7.85	228	7.1	Clear, consiste and moderate flow, not turbid and no odour	All readings are within WQO limits.
8/6/2024, 11:32 am	EPL16	Yarrangobilly River, downstream of road construction areas	10.6	96.3	30.72	30	-65	7.92	225	3.6	Clear, consistent and moderate flow, no turbidity or no odour	All readings are within WQO limits.
6/6/2024, 10:35 am	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	11.71	68.8	7.46	451	293	7.21	185	7.7	Clear water, low level, no odour, sunny	Elevated EC is consistent with EPL 24. Units to GPD1 and EPL 24 are being investigated to account for the EC.
9/6/2024, 1:26 pm	EPL26	Eucumbene River downstream of Marica Road	8.19	100.2	11.0	30	19	8.49	157	0.3	Cool morning, fine day.	High pH and low turbidity are consistent with background conditio during sampling and within historical ranges.
9/6/2024, 1:19 pm	EPL27	Eucumbene River upstream of Marica Road	9.06	105.6	12.52	31	19	8.35	162	22.6	Cool morning, fine day.	This location is upstream of works and is therefore representative background conditions.
12/6/2024, 11:40 am	EP130	Kellys Plain Creek, downstream of accommodation camp and laydown areas	8.06	96.8	11.45	32	20	7.85	227	24.5	Turbid water, no odour, doudy	All readings are within WQO limits.
12/6/2024, 11:19 am	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	9.43	102.7	11.75	35	23	7.94	179	20.7	Turbid water, no odour, doudy	All readings are within WQO limits.
12/6/2024, 10:55 am	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	8.77	101.5	11.78	8	20	7.87	186	٥	Vary clear water, no odour, doudy	Turbidity reading was less than measureable on in situ meter. Mo sensitive meter is being sourced.
12/6/2024, 10:30 am	EPL34	Nungar Greek, upstream of Tantangara Road	7.82	99.4	11.82	15	10	7.86	202	9.4	Turbid water, no odour, doudy	This location is upstream of works and is therefore representative background conditions.
12/6/2024, 10:35 am	EPL35	Nungar Creek, downstream of Tantangara Road	8.05	100.2	11.85	38	12	7.82	388	15.5	Turbid water, no odour, doudy	Low EC is within historical range for this location and is consistent with background conditions for June 2024.
12/6/2024, 2:38 pm	EPLIS	Camerons Creek, upstream of works in Rock Forest	8.02	93.8	11.1	37	24	7.75	444	15	Turbid water, no odour, doudy	All readings are within WQO limits.
12/6/2024, 2:50 pm	EPL37	Camerons Creek, downstream of works in Rock Forest		94.4	11.18	39	25	7.71	458	17.5	Cloudy day, a bit murky water, no flowing, no odour	All readings are within WQO limits.
11/6/2024, 10:40 am	EP1.52	GF01 sediment basin	7.74	98.6	11.73	731	468	9.01	216	50.7	Rahnyday, low level of water, no odour, turbid water	High EC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatm plant or re-use where parameters where met.
N/A	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-	No water flow	Dry site, no flow
N/A	EP154	GF01 surface water upstream west	-	-	-	-	-	-	-	-	No water flow	Dry site, no flow
11/6/2024, 10:46 am	EPL55	GFD1 surface water downstream	10.02	63.7	7.17	626	401	7.96	236	16.00	Rainy day, low flowing, clear water, no odour	Elevated EC and low DO are generally consistent with conditions a GR01 during sampling in June 2024.
16/6/2024, 10:37 am	EPL 66	Tantangara Leachate basin downstream east from Tantangara emplacement area	7.2	89.3	10.8	15.2	15	6.31	215.5	3.74	Sunny, dear skieg relatively clear water with bits of organic material in it, no odour. Used pii probe instead of pii sensor on YSI (as it is showing wrong results). HACH turbidimeter in lieu of YSI.	Low EC, DO and pH are generally consistent with background conditions during sampling and within historical ranges.
16/6/2024, 9:23 am	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	3.8	86.6	11.42	6.0	10	7.25	153.7	6.08	Sunny, dear siliar; relatively clear water with bits of organic material in it, no odour. Used pH probe instead of pH sensor on YSI (as it is showing wrong results). HACH turbidimeter in lieu of YSI.	Low EC and DO are generally consistent with background conditio during sampling and within historical ranges.
2/6/2024, 8:29 am	EP171	Surface water downstream of Marica emplacement	151	99.8	13.99	49	32	8.42	232	13.3	Cold, windy day	Elevated pH is generally consistent with background conditions during sampling and within historical ranges.
21/6/2024, 2:30 pm	EPLEA	F8 Daxin	11.97	117.9	12.65	676	433	9.82	29	543	Partly cloudy, light rain early this morning, algae present, basin 50% cap, no odour, highly turbid	High BC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for instruent at the process water treats plant or re-use where parameters where met.
21/6/2024, 2:40 pm	17LB5	MY07 Basin	30.86	95.6	10.56	452	254	9.1	85	75.5	Partly cloudy, highly turbid, no odour	High EC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treat plant or re-use where parameters where met.
21/6/2024, 2:55 pm	EPLAG	LHQ01 Basin	10.84	97.5	30.76	903	578	8.22	131	19.7	Fairly clear. No odour. Water ievel very low. Sunny, cool weather.	High EC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for instrument at the process water treats plant or re-use where parameters where met.





Table 2 - Reservoir Water	Quality Data					Water Quality	y Objectives (see no	ote 2)			1	
Tolbingo and Tantangara	Reservoirs		Temp ('C)		DO (mg/L)		TDS (mg/L)		Redax (mV)			
				90 - 110		20-30		6.5 - 8.0		1-20	4	
Date and Time	EPL Site ID	Location Description	Temp ('C)	00 (N)	00 (mg/L)	EC (µS/an)	TDS (mg/L)	pH	Redax (mV)	Turbidity (NTU)	Reid Comments	Context
23/6/2024, 9:42 am	EPL10	Taibingo Reservoir, downstream of road works and upstream of water intake point	9.38	89.5	10.25	o	0	7.52	178	2	Presty monting, clear water, nothing unusual detected, the surface of water is clear	Lew DO is within historical ranges and background concentrations for June 2024. Turbidity reading was less than measureable on in situ meter. More sensitive meter is being sourced.
23/6/2024, 9:41 am	B111	Talbingo Reservoir, downstream of outlat	9.45	76.6	8.76	o	0	7.08	216	5.3	Freezy morning, clear water, nothing unusual detected, the surface of water is clear	Low DO are within historical ranges and background concentrations for June 2024. Turbidity reading was less than measureable on in situ meter. More sensitive meter is being sourced.
28/6/2024, 10:37 am	6PL28	Tantangara Reservoir, upstream in the mouth of the Murrumbidgee River	5.7	86.2	10.01	ш	19	7.18	115.6	1.56	Sunny; relatively clear water with high amount of organic material in it, no odour	This location is upstream of works and is therefore representative of background conditions.
28/6/2024, 11:25 am	67129	Tantangara Reservoir, downstream of works area and upstream of lower Mumumbidgee River	6.1	84.9	10.53	19.1	20	7.36	166.9	1.39	Sunny; relatively clear water with a high amount of organic material in it, no odour	Low EC and DO are within historical ranges and background concentrations for June 2024.
28/6/2024, 11:21 am	69132	Tantangara Reservoir, Tantangara Intaka. Downstream of construction works	11.55	96.5	10.51	24	16	6.97	277	7	Partly cloudy; relatively clear water with a high amount of organic material in it, no odour	All readings are within WQO limits.
28/6/2024, 10:56 am	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	5.9	84.6	10.56	18.7	19	73	180	148	Party cloudy; slightly turbid water with a high amount of organic material in it, no odour	Low EC and DO are within historical ranges and background concentrations for June 2024.
28/6/2024, 10:17 am	67139	Confluence of Nungar Creek and Tantangars Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangars construction works	42	86.2	11.25	11.25	п	7.12	154.6	3.67	Sunny with scattered clouds; relatively turbid water with high amount of organic material in it, no odour. Had to sample closer to SPL S7 due to lower water level than normal	This location is upstream of works and is therefore representative of background conditions.
28/6/2024, 10:01 am	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	4.4	85.4	11.09	15	17	7.55	90.8	199.32	Sunny with acattered clouds; relatively turbid water with high amount of organic material in it, no odour. Sample was taken further from EPL40 than normal due to low water level in reservoir.	This location is upstream of works and is therefore representative of background conditions.
28/6/2024, 11:42 am	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	6.1	844	10.48	19.5	20	7.32	168.4	1.39	Sunny; relatively clear water with a high amount of organic material in it, no odour	Low EC and DO are within historical ranges and background concentrations for June 2024.
28/6/2024, 11:32 am	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	6.1	84.9	10.54	19.4	20	7.34	165.9	1.37	Sunny; relatively clear water with a high amount of organic material in it, no odour	Low EC and DO are within historical ranges and background concentrations for June 2024.
								_				
Table 3 - Treated Water O Tolbingo	1 - Treated Water Quality Data			00.00	DO (mg/L)	Water Quality EC (µS/cm)	TDS (mg/L)	rte 3)	Redox (mV)	Turbidity (NTU)	4	
- and a second sec	ingo		Temp (*C)		-	700		6.5 - 8.0	-	25	1	
Date and Time	te and Time EPL Site ID Location Description			DO (N)	DO (mg/L)	EC (uS/on)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Reid Comments	Context
12/6/2024, 8:17 am	EPLA1	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	Temp (*C) 13.72	73.5	7.62	25	16	7.57	229	20.8	Collected from Inside WTP unit	All readings are within WQO limits.
							Chierthes (see no				1	

Table 4 - Treated Water	Quality Data											
Tentengare			Temp (°C)	D0 (N)	D0 (mg/L)	EC (µS/an)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
						200	100 A	65-80		25		
Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (N)	DO (mg/L)	EC (µS/an)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Reid Comments	Context
12/6/2024, 12:54 pm	EP150	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	8.24	91	30.72	7	4	6.75	366	0		Turbidity reading was less than measureable on in situ meter. Mo sensitive meter is being sourced.





able 5 - Groundwater Quality Data

SF01 Surface Water and	Groundwater		Temp ('C)	DO (%)	DO (mg/L)		TDS (mg/L)	pH	Redax (mV)	Turbidity (NTU)		
			-			30 - 350		6.5 - 8.0	-		1	
Date and Time	EPL Site ID	Location Description	Temp (*C)	DO (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redax (mV)	Turbidity (NTU)	Reid Comments	Context
(/6/2024, 10:45 am	EPL56	GP01 groundwater upstream east	12.04	30.7	3.25	179	116	7.45	165	19.1	Sunny day, clear water, no odour, SWL- 11.88 m deep	All readings are within WQO limits.
(/6/2024, 10:58 am	EPL57	GF01 groundwater upstream west	13.05	24.6	2.59	150	100	7.92	162	71.5	Sunny day, clear water, no odour, SWL- 20.94 m deep	All readings are within WQO limits.
(/6/2024, 11:46 am	EPL58	GF01 groundwater downstream	14.93	36.4	3.67	504	322	6.26	191	5.5	Sunny day, clear water, no odour, SWL-8.83 m deep	High EC and low pH are generally consistent with conditions at GP01 during sampling.
16/6/2024, 10:26 am	EPLGO	Tantangara groundwater downstream West	10.5	80.9	9.03	30.9	10	5.0	227.5	12.1	Clear sky/no clouds; clear water, no odour. pii probe used in lieu of YSI pii sensor (needs service). HACH turbidimeter in lieu of YSI.	Low pH and EC will be monitored though is generally consistent with previous results from May 2024 and upgradient conditions in June 2024.
16/6/2024, 9:55 am	EPLOD	Tantangara groundwater downstream East	9.8	70.7	8.01	140	13	6.2	201.7	22.6	Clear sky/no clouds; clear water, no odour. pii probe used in lieu of YSI pii sensor (needs service). HACH turbidimeter in lieu of YSI.	Low pit will be monitored though is generally consistent with previous results from May 2004 and upgradient conditions in June 2024.
16/6/2024, 11:52 am	EPL70	Tantangara groundwater upstream	10.4	70.6	7.88	45.4	41	6.3	181.6	106	Clear sky/no clouds; pretty turbid water, no odour. pH probe used in lieu of YSI pH sensor (needs service). IAACH turbidimeter in lieu of YSI.	This location is upstream of works and is therefore representative of bediground conditions.
6/2024, 12:01 pm	EPL 72	Marica groundwater uprtream	8.94	86.8	30.04	32	21	6.97	211	37.1	Cold, windy day.	All readings are within WQO limits.
(6/2024, 9:00 am	EPL73	Marica groundwater downstream	125	99.7	15.07	44	28	7.79	256	18.9	Cold, windy day.	All readings are within WQO limits.
1/6/2024, 9:10 am	EPLBO	LHG groundwater upstream	15.58	95.6	9.55	483	314	7.0	6	63.7	Sunny day, turbid water, no odour, SWL-20.360 m deep	This location is upstream of works and is therefore representative of background conditions.
t/6/2024, 10:11 am	69181	UHG groundwater downstream	14.81	18.8	19	402	261	6.92	-24	241	Sunny day, turbid water, no odour, SWL-3.68 m deep	Elevated EC is consistent with background conditions and consistent with conditions recorded in May 2024.
1/6/2024, 9:31 am	EPL82	MY groundwater upstream	15.55	91.2	9.04	1680	1000	6.83	-16	52.4	Sunny day, clear water, no odour, SWL-9.28 m deep	This location is upstream of works and is therefore representative of background conditions.
1/6/2024, 10:50 am	67183	MY groundwater downstream	15.04	25.8	2.55	485	315	7.05	-60	7.5	Sunny day, no odour, a bit turbid water, 5WL-3.67 m	Elevated EC is generally consistent with background conditions in June 2024 and previous conditions recorded in May 2024.
1/6/2024, 9:53 am	EPL87	MY groundwater downstream	14.92	15.5	157	274	178	7.05	57	44.7	Sunny day, turbid water, no odour, SWL- 4.01 m deep	All readings are within WQO limits.
t/6/2024, 10:30 am	EPLAN	MY groundwater downstream	15.04	25.8	2.55	485	315	7.05	-60	75	Sunny day, clear water, smeily, SWL-3.31 m deep	Elevated BC is generally consistent with background conditions in June 2024 and previous conditions recorded in May 2024.
1/6/2024, 2:25 pm	EPL89	LHG groundwater downstream	15.55	29.7	2.96	177	115	6.93	179	107	Sunny day, clear water, no odour, SWL-3.133 m	All readings are within WQO limits.
l/6/2024, 12:02 pm	EPL90	GF01 groundwater downstream	13.54	65.5	6.82	196	127	6.49	105	241	Sunny day, turbid water, no odour, SWI-12.95 m deep	Low pH is generally consistent with surrounding conditions and previous results recorded in June 2024.
l/6/2024, 12:20 pm	EPL91	GF01 groundwater downstream	14.49	32.1	3.27	165	106	6.85	98	50.8	Sunny day, turbid water, no odour, SWI-8.20 m deep	All readings are within WQO limits.
1/6/2024, 11:15 am	EPL92	GF01 groundwater downstream	12.83	65.1	6.88	46	30	6.9	206	40	Sunny day, no dour, turbid water, SWI-14.90 m deep	All readings are within WQO limits.
l/6/2024, 11:35 am	EPL93	GF01 groundwater downstream	12.00	52,3	5.53	167	109	7.09	19	158	Sunny day, turbid water, no odour, SWL- 16.42 m deep	All readings are within WQO limits.
l/6/2024, 11:28 am	EPL94	GF01 groundwater downstream	13.39	33.9	3.54	112	73	6.72	8	89.1	Sunny day, turbid water, no odour, SWL- 14.66 m deep	All readings are within WQO limits.
(/6/2024, 11:44 am	EPL95	GF01 groundwater downstream	13.82	52.3	5.4	340	221	6.28	176	12	Sunny day, clear water, no odour, SWL- 11.20 m	Low pH is generally consistent with surrounding conditions and previous results recorded in June 2004.
l/6/2024, 11:52 am	EPL96	GF01 groundwater downstream	13.92	40.9	4.22	100	122	7.08	152	510	Sunny day, turbid water, no odour, SWL- 6.552 m deep	All readings are within WQO limits.
t/6/2024, 12:21 pm	EPL97	GF01 groundwater downstream	14.07	30.2	3.11	245	159	7.04	91	95.2	Sunny day, turbid water, no odour, SWL- 7.32 m deep	All readings are within WQO limits.

water quality uppertives (see note 1)

Rote 1: Water Quality Objective values for the Tarrangobilly River and Minor Watercourse refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) that are reported in Tables 3.3.2 and 3.3.3 of ANEXCV (ANNANZ (2000).

Vote 2: Water Quality Objective values for Talisingo Reservoir are the default trigger values for physical and chemical stressom in south-east Australia (freshwater lakes and reservoirs) that are reported in Tables 3.3.2 and 3.3.3 of ANZECC/ ARMONZ (2000).

Vote 3: Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.

Vote 4: Water Quality Objective values for groundwater reference the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for pH and electrical conductivity.





## **JULY 2024**

#### 2024 EPL 21266 In Situ Water Quality Measurements EPL Monthly Monitoring July 2024

Table 1 - Surface Water (							y Objectives (see no					
River and Minor Watero	DUVID IS			90-110		BC (µS/cm) 30 - 350	TDS (mg/L)	6.5-8.0	Redox (mV)	Turbidity (NTU) 2 - 25		
Date and Time	EPL Site ID	Location Description	Temp ('C)	00 (N)	00 (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Reid Comments	Context
14/7/2024, 10:45 am	PLS	Yamangobilly River, upstream of the exploratory tunnel and construction pad	8.52	98.5	11.52	96	8	7.93	268	2	Clear and moderate flow, not turbid, no odour, high flowing	This location is upstream of works and is therefore representative of background conditions.
14/7/2024, 11:31 am	BPL6	Wallace: Creek, upstream of Yarrangobilly River and Wallace: Creek confluence	7.08	81.9	9.92	109	71	8.28	262	5.7	Cear water, low level, stirily adour around, sunny	pH and DO Iswels remain consistent with baseline conditions. During the baseline studies in withor months, pH and Distolved oxygen diplinged frequent escendances from project WOO. As such, it is antibipated that these escendances from project WOO. As such, as its continuation advises.
14/7/2024, 2:16 pm	Pu	Tamangobilly Rivar, downstream of Uck Hole Gully	30.18	88.5	9.95	102	66	83	263	6.9	Clear, consistent and moderate flow, no turbidity or odour	Elevated pH with Iow DO and turbidity levels remain consistent with leastline conditions. During the baseline studies in winter months, pH and Discolved angred nightayed in fuquent exceedances from project WGO. The turbidity was generally representative of badground conditions in Joyi 2026.
34/7/2024, 2:44 pm	pu	Yamangobiliy River, downstream of the accommodation camp and upstream of Tablingo Reservoir	1	85.5	20.03	99	ø	2.54	240	13	Turbid water,cloudy, no odour, foams on water	Elevated pil with low DO and turbidly levels remain constitent with baseline conditions. During the baseline studies in where months, pill and Discloid organ displays of mount exceedances from project WOO. As such, it is anticipated that these exceedances through tank of Scowy 2 construction activities. The turbidly was generally representative of baciground conditions in July 2024.
14/7/2024, 11:08 am	67112	Yamangobilly Rivar, investitately downstream of portal pad	6.97	82.3	10	91	50	8.26	255	1.6	Clear, consistent and moderate flow, no turbidity, no odour	Elevated pH with low DO and turbidity levels remain consistent with leaseline conditions. During the baseline studies in winder months, pH and Discolved angren displayed for quart assachance from project WGD. The turbidity was generally representative of background conditions in July 2026.
14/7/2024, 11:54 am	87114	Yamangobilly Elver, downstream of road construction areas	722	78.8	951	54	61	8.31	263	17	Clear, consistent and moderate flow, no turbidity or odour	Elevated pil with low DO and turbidly levels remain conditions with baseline conditions. During the baseline studies in where months, pil and Discoled congre displays fingurest exceedances then project WOOA is such, it is anticipated that these exceedances thron project when it of Scovey 2 construction activities. The studies was generally representative of background conditions in July 2026.
14/7/2024, 12:18 pm	PUS	Tamangobilly Elver, downstneam of road construction areas	7.14	78.9	9.54	95	£	8.4	263	6.9	Clear, consists and moderate flow, not turbid and no odour	Elevated pil with Iow DO and turbidity levels remain consistent with baseline conditions. During the baseline studies in where months, pill and Discoled congregation (pileyse fragment exceedances from project WYOD. The turbidity media was less than measurable on in thu mater. More sentition mater in bing conract. The turbidity was generally representative of bedgeound conditions in July 2004.
34/7/2024, 3:08 pm	EPLL6	Yamangobilly Elver, downstream of road construction areas	15	75.5	883	100	ø		245	13	Clear, consistent and moderate flow, no turbidity or no odour	Elevated pil with low DO and turbidity levels remain conditions twith baseline conditions. During the baseline studies in where months, pil and Discloid organ displays finguant exceedances from project WOOL As such, it is anticipated that these exceedances through tasks of Scovey 2 construction activities. The furtheline was enserably representative of badigmond conditions in July 2004.
19/7/2024, 10:53 am	EP124	Yamangobilly River tributary (Watercourse 2), directly downstream of road	8.05	70	8.28	300	195	7.71	250	6.6	More flowing than usual due to the recent rainfall event, quite turbid water, no smelly	Low DO concentrations align with historical data for SPL 24. In July, the SC decreased its levels in comparison with June.
19/7/2024, 2:38 pm	67126	Eucumbene River downstream of Marica Road	3.4	90.2	12.05	22.7	25	7.52	125.5	4.99	Snow overnight	Low EC is consistent with background conditions during sampling and within historical ranges for winter.
19/7/2024, 2:53 pm	89127	Eucumbere River upstream of Marica Road	3.1	88.3	11.05	8.2	3.55	7.05	132.7	3.55	Snow overnight	This location is upstream of works and is therefore representative of background conditions.
22/7/2024, 10:07 am	67130	Kellys Plain Creek, downstream of accommodation camp and laydown areas	5.16	83.6	30.66	35	23	6.72	289	7.8	Freezy morning, clear water, high flowing, no odour	Low DO is consistent with the baseline water quality conditions for winter and generally within historical ranges.
22/7/2024, 9:51 am	69131	Kellys Plain Creek, upstream of accommodation camp and laydown areas	5.29	73.6	9.33	20	13	6.7	302	5	Preezy morning, hing flowing, a bit trubulent, clear water, no odour	Low DO and conductivity are consistent with the baseline water quality conditions for winter and generally within historical ranges.
22/7/2024, 10:46 am	67133	Murrumblidgee River, downstream of Tantangara reservoir outlet	4.46	91.7	11.87	25	16	7.34	263	2.2	Freezy morning, high level of water and very high flowing, clear water, no smelly, turbulent	Low EC is consistent with the baseline water quality conditions for winter and generally within historical ranges.
22/7/2024, 8:48 am	P134	Nungar Creek, upstream of Tantangara Road	3.22	89.8	12.05	11	,	7.13	233	5.6	Freezy morning, high flowing, turbulent water, dear water, no odour	Low DO and conductivity are consistent with the baseline water quality conditions for winter and generally within historical ranges.
22/7/2024, 8:55 am	67135	Nungar Creek, downstream of Tantangara Road	3.55	90.1	11.95	11	7	6.63	250	4.9	Turbid water, no odour, cloudy	Low EC is within the historical range for this location and is consistent with background conditions for JULY 2024.
22/7/2024, 12:30 pm	EPL36	Camerons Creek, upstream of works in Rock Forest	7.53	80	9.57	40	26	6.97	277	9.1	Turbid water, no odour, cloudy	This location is upstream of works and is therefore representative of background conditions.
22/7/2024, 12:52 pm	EP137	Camerons Creek, downstream of works in Rock Forest	8.09	89.9	10.61	42	27	7.16	254	10.3	Sunny afternoon, clear water, slow flowing, animals around	Low DO is within the historical range for this location and is consistent with background conditions for JULY 2024.
3/7/2024, 2:41 pm	DP152	GF01 sedment basin	9.81	91.2	10.5	1021	775	8.54	150	330	Sunny day, high level of water, turbid water, no smelly, vary dirty water	High EC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant .
N/A	EP153	GF01 surface water upstream east	-	-	-	-	-	-	-	-	No water flow	Dry site, no flow
N/A	EP154	GF01 surface water upstream west	-	-	-	-	-	-	-	-	No water flow	Dry site, no flow





and it accession and	are su	outlet	-			47.0		1.14	1000	-	organic material present; no sheen or ordour.	July 2024.
30/7/2024, 9:14 am 30/7/2024, 9:04 am	EPL 46	Tantangara STP/PWTP Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser	42	91.5	11.92	17.6	19	7.63	150.9	3.76	on bed; no sheen or odour. Cloudy, cold wind. Reservoir water level significantly low. Water clear, greyish brown in colour; sediment and	July 2024. Low EC is within historical ranges and background concentrations for
30/7/2024, 10:01 am	EPLAO	Confluence of the upper Murrumbidgee River and Tastangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works Tastangara Reservoir, diffuser outliet discharging into Tastangara Reservoir from	23	92.8	12.71	10.1	12	7.17	149	115.98	material present; no sheen or odour.	This location is upstream of works and is therefore representative of background conditions. Elevated turblidity levels are attributed to a combination of decreased water volume and increased organic matter within tensors. Low EC is within historical ranges and background concentrations for
30/7/2024, 10:05 am	67139	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	2.4	93.1	12.76	10.3	12	7.01	348	7.54	Surey, cold wind. Reservoir water level significantly low. Water clear, brownish; sediment and organic material present; no sheen or odour.	This location is upstream of works and is therefore representative of background conditions.
30/7/2024, 10:30 am	67138	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	3.7	90.4	11.94	12.1	13	7.07	176.7	5.63	Sunny, cold wind. Reservoir water level significantly low. Water clear, brownish; sediment and organic material present; no sheen or odour.	Low EC is within historical ranges and background concentrations for July 2024.
31/7/2024, 9:38 am	EP132	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	3.7	93.5	12.35	22.4	25	0.56	29.8	6.33	Snowy, windy, minus degree weather. Visible turbidity and murity water. No odour or visible sheen.	Elevated pH is within historical ranges and background concentrations for July 2024. However, the pH will be monitored.
31/7/2024, 9:43 am	67129	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	3.7	92.8	12.25	15.6	17	6.7	44.4	5.37	Snowy, windy, minus degree weather. Visible turbidity and murky water. No odour or visible sheen.	Low EC is within historical ranges and background concentrations for July 2024.
30/7/2024, 9:47 am	67128	Tantangara Reservoir, upstream in the mouth of the Murrumbidgee River	2.2	90.9	12.51	30	12	7.17	148	3.89	Sunny; relatively clear water with high amount of organic material in it, no odour	This location is upstream of works and is therefore representative of background conditions.
17/7/2024, 9:32 am	EP111	Taibingo Reservoir, downstream of outlet	8.87	83.2	9.54	54	22	7.78	260	0.5	Precy day, no smelly, very clear water	Low EC and DO are within historical ranges and background concentrations for July 2004. The turbidity was generally representative of background conditions in July 2004.
17/7/2024, 9:43 am	EP110	Taibingo Reservoir, downstream of rosd works and upstream of water intails point	8.83	63.2	7.34	35	23	7.79	247	0.5	Freezy day, no smelly, very clear water	Low FC and DO levels remain consistent with baseline conditions. During winter CC and DO displayed frequent exceedances from project WOO. As such, it is antipasted that these exceedances are as result of acoust 20 construing an activities. The thrubbly was generally representative of basignound conditions in July 2004.
Date and Time	EPL Site ID	Location Description	Temp ('C)	00 (N)	00 (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Reid Comments	Context
Taibingo and Tantangara			Temp ('C)	DO (%) 90 - 110	DO (mg/L)	EC (µS/cm) 20 - 30	TDS (mg/L)			Turbidity (NTU) 1 - 20		
Table 2 - Reservoir Water	Quality Data					Water Quality	y Objectives (see no	te 2)			1	
17/7/2024, 3:10 pm	EPLDS	UHG01 Basin	11.2	51.1	5.59	1004	665	8.5	259	45.2	Sunny day, low level of water, turbid water, no odour	High EC, pH, and turbidity with low DO are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
17/7/2024, 3:27 pm	EPLAS	MY07 Basin	10.2	45.1	4.84	462	300	8.96	245	196	Partly cloudy, highly turbid, no odour	High EC, pH, and turbidity with low DO are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
17/7/2024, 3:52 pm	EPL84	F8 Basin	8.93	98.1	11.34	638	409	9.33	226	1000	Sunny day, high level of water, very turbid water, no odour	High DC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
27/7/2024, 12:40 pm	EP171	Surface water downstream of Marica emplacement	8.6	169.6	19.96	24	14	6.41	342	117	Turbid water, no shean, no oli and grease, no odour Clear day, sunny	Elevated DO and turbidity with low pH and conductivity are within the historical baseline water quality result for winter.
N/A	EP167	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-		Unable to sample due to the water level being reduced significantly in the reservoir.	-
27/7/2024, 11:33 am	EPL 66	Tantangara Leachate basin downstream east from Tantangara emplacement area	9.1	100.9	11.65	10.6	10	6.62	188.2	5.56	Clear, sunny day, warmer than usual. Predicted snowfall tomorrow (28/7). Clear water, sediment and organic material present, no odour. Water level has reduced significantly.	Low EC is generally consistent with background conditions during sampling. Water was taken for treatment at the process water treatment plant.
	EPUSS	GF01 surface water downstream	10.36	74.3	8.29	1001	646	8.03	150	65.70	Sunny day, very low flow, clear conditions	Elevated EC and turbidity with low DO are generally consistent with conditions at GF01 during sampling in July 2024.

Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (N)	DO (mg/L)	EC (µS/an)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Reid Comments	Context
31/7/2024, 8:52 am	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	8.85	86.9	30.07	72	47	6.52	257		Collected from Inside WTP unit	All readings are within WQO limits.





Table 4 - Treated Water 0	unity fata					Water Quality	y Objectives (see no	te 3)			1	
Tontangara	and one		Temp (°C)	DO (%)	DO (mg/L)	EC (uS/on) 200	TDS (mg/L)	oH 6.5 - 8.0	Redex (mV)	Turbidity (NTU) 25		
Date and Time	CPL Site ID	Location Description		DO (N)	P0 ( (1)		-	pH	Redox (mV)	Turbidity (NTU)	Beld Servered	Context
25/7/2024, 8:41 am	69150	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	Temp (*C) 7.3	95.4	DO (mg/L) 11.5	EC (µ5/on) 2.6	TDS (mg/L) 3	5.5	189.5	167	Relé Connents Clear water, no adour, cloudy	The pH levels will continue to be monitored in the coming sampling rounds.
Table 5 - Groundwater O	aller Data					Minter Condition	y Objectives (see no	an 11		-	1	
GF01 Surface Water and			Temp ('C)	00 (N)	00 (mg/L)	BC (µS/cm) 30 - 350	TDS (mg/L)	pH 6.5-8.0	Redox (mV)	Turbidity (NTU)		
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
3/7/2024, 1:43 pm	69156	GF01 groundwater upstream east	13.49	27.5	2.86	219	142		148	10.5	Sunny day, clear water, no odour, SWL- 10.63 m deep	This location is upstream of works and is therefore representative of background conditions.
3/7/2024, 1:55 pm	89157	GF01 groundwater upstream west	12.16	20.4	2.19	185	120	8.21	144	168	Sunny day, turbid water, no odour, SWL-13.90	This location is upstream of works and is therefore representative of background conditions. Elevated pH is within the historical ranges for this location.
3/7/2024, 2:19 pm	67158	GF01 groundwater downstream	14.7	27.2	2.76	705	450	6.58	211	38	Sunny day, clear water, no odour, SWL-8.83 m deep	High IC is generally consistent with conditions at GPO1 during sampling.
27/7/2024, 11:20 am	EPLES	Tantangara groundwater downstream West	11.7	66.3	9.58	26.3	23	5.8	213.9	15.11	Clear, sunny day, warmer than usual. Predicted anoufall tomorrow (26/7). Clear water, some sediment within sleeve, no odour.	Low pH and BC are generally consistent with previous results from June 2024 and upgradient conditions in July 2024. These conditions are following expected charges due to altered dimatic conditions.
27/7/2024, 12:24 pm	67169	Tantangara groundwater downstream East	10.8	82.3	9.1	17.1	15	5.93	178.3	11.77	Clear, sunny day, warmer than usual. Predicted anowfail tomorrow (28/7). Clear water, some sediment within bottom of siewa, no odour.	Low pH and SC are generally consistent with previous results from June 2024 and upgradient conditions in June 2024. These conditions are following expected changes due to altered dimetic conditions.
27/7/2024, 1:20 pm	EP170	Tantangara groundwater upstream	11.6	67.1	7.3	59.2	52	6.19	237.7	25.4	Clear, sunny day, warmer than usual. Predicted snowfall tomorrow (28/7). Clear water, though some sediment present at bottom of sleeve, no odour.	t This location is upstream of works and is therefore representative of background conditions.
2/7/2024, 2:21 pm	EPL 72	Marica groundwater upstream	10.5	61.7	6.88	27.6	25	5.52	231	31.24	Cold, windy day.	This location is upgradient of works and is therefore representative of background conditions.
2/7/2024, 12:05 pm	EP175	Marica groundwater downstream	10.1	62.5	7.05	51.5	47	6.15	219.2	5.96	Cald, windy day.	Low pH is generally consistent with the previous results for this location and the exceedance is consistent with the upgradient conditions in July 2024.
26/7/2024, 4:08 pm	EPLBO	UHG groundwater upstream	14.89	24.9	2.51	500	303	6.8	185	24.2	SWL-20.25m, sunny Day, slightly turbid	This location is upstream of works and is therefore representative of background conditions.
26/7/2024, 3:33 pm	6P101	UHS groundwater downstream	14.37	50.2	5.13	518	331	6.76	87	163	SWL-2.78m, sunny day, turbid water	Elevated EC is consistent with background conditions and consistent with conditions recorded in June 2024.
26/7/2024, 4:17 pm	EP182	MY groundester upstream	15.17	16.7	1.67	2170	1390	6.64	67	8.4	SWL-9.31m, sunny day, clear water	This location is upstream of works and is therefore representative of background conditions. Electrical conductivity levels will continue to be monitored in the coming sampling rounds.
26/7/2024, 2:57 pm	67103	MY groundwater downstream	15.71	109	30.81	470	305	6.6	180	110	SWL-2.35m, sunny Day, dean Water	Elevated EC is generally consistent with background conditions in July 2024 and previous conditions recorded in June 2024.
26/7/2024, 3:25 pm	EPL07	MY groundwater downstream	34.45	65.4	6.72	209	178	6.39	182	140	SWL-3.25m, sunny day, clear water	Low pH is generally consistent with surrounding conditions in July 2024.
26/7/2024, 2:16 pm	EPLOS	MY groundwater downstream	15.6	95	14.7	674	432	6.8	19	47.9	SWL-2.7m, sunny Day, clean water	Elevated EC is generally consistent with background conditions in July 2024 and previous conditions recorded in the last sampling rounds.
26/7/2024, 3:58 pm	EPLES	UIG groundwater downstream	12.81	45.4	4.0	250	363	73	154	34.5	SWL-2.35m, dean water, sunny day	All readings are within WQO limits.
23/7/2024, 11:50 am	EPL90	GF01 groundwater downstream	13.78	53.1	5.49	330	214	5.92	205	417	SWL-12.82m, cloudy, turbid water	Low pH is generally consistent with surrounding conditions and previous results recorded.
23/7/2024, 12:07 pm	EP191	GF01 groundwater downstream	14.55	20.5	2.09	233	165	6.64	30	52.1	SWL-8.31m, doudy day	All readings are within WQO limits.
23/7/2024, 11:25 am	EPL92	GFO1 groundwater downstream	13.46	71.7	7.48	79	51	6.35	327	268	SWL-15.2m, cloudy day, turbid water	Low pH is generally consistent with surrounding conditions.
23/7/2024, 11:43 am	EPL93	GF01 groundwater downstream	13.75	34.4	3.56	236	153	7.19	39	332	SWI-14.98m, cloudy, turbid water	All readings are within WQO limits.
23/7/2024, 11:38 am	EPL94	GF01 groundwater downstream	13.68	40.3	4.18	157	302	6.72	85	151	SWL-13.32m, cloudy day, turbid water	All readings are within WQO limits.
23/7/2024, 11:12 am	EP1.95	GF01 groundwater downstream	15.64	55.4	5.51	428	278	6.14	339	2.8	SWL-8.45 m, cloudy, clear water	Low pH and elevated conductividy are generally consistent with surrounding conditions and previous results recorded in June 2024.
23/7/2024, 10:48 am	EPLOG	GFO1 groundwater downstream	15.01	61	6.13	1000	659	7.34	267	417	SWL-5.3 m deep, sunny day, no odour, turbid water	High EC is believed to be an anomalous result. Results from the week prior and post range from 115-266. This will be revelwed.
23/7/2024, 12:15 pm	69197	GF01 groundwater downstream	34.54	40.1	4.08	388	252	6.7	185	136	SWL 6.30m, cloudy, turbid water	Slightly elevated EC is generally consistent with surrounding conditions.

Note 1: Water Quality Objective values for the Yarrangobily River and Minor Watercourses refer to the default trigger values for physical and chemical stressors in south-east Australia (upland river) that are reported in Tables 3.3.2 and 3.3.3 of ANEXCC/ARMCANZ (2000).

Note 2: Water Quality Objective values for Tablingo Reservoir are the default trigger values for physical and chemical intreason in south-east Australia (freshvater lakes and reservoirs) that are reported in Tables 33.3 and 33.3 of AVZECC/ ARMCANZ (2000).

Note 3: Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works ElS.

Note 4: Water Quality Objective values for groundwater reference the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for pH and electrical conductivity.





## AUGUST 2024

#### 2024 EPL 21266 In Situ Water Quality Measurements EPL Monthly Monitoring August 2024

Philosoft         Phila	EPL Monthly Monitorin	ng August 2024										_
Determine         PALIDE         PALIDE        PALIDE         PALIDE         PALID											an an Indon America	-
Listen         Br.3         trraggistip ficer, optram of the spinstratry lance and construction part         4.31         12         13.1        13.1        13.1 <th< th=""><th>kiver and minor waterco</th><th>ourses</th><th></th><th>Temp (°C)</th><th></th><th>- DO (mg/L)</th><th></th><th>105 (mg/L)</th><th></th><th>Redox (mv)</th><th></th><th>-</th></th<>	kiver and minor waterco	ourses		Temp (°C)		- DO (mg/L)		105 (mg/L)		Redox (mv)		-
Listen         Br.3         trraggistip ficer, optram of the spinstratry lance and construction part         4.31         12         13.1        13.1        13.1 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>•</th><th></th><th>•</th><th></th><th></th></th<>								•		•		
VIDUADE         <	Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рН	Redox (mV)	Turbidity (NTU)	
1/12/12/12/12/12/12/14/1         0/1         0/1         0/1         0/1         0/1         0/1           12/12/2014_223 pm         0/1         transgobility fiver, downstream of the scoremosation amy and uptram of 7.05         9.1         1.12         4.4         4.3         7.85         220         1.27         Afraeding are within WCD finite.           12/12/2014_12.32 nm         0/1.1         transgobility fiver, downstream of the scoremosation amy and uptram of 7.05         9.1         1.20         0.7         4.3         7.33         2.64         9.1         Afraeding are within WCD finite.           12/12/2014_12.32 nm         0/1.1         transgobility fiver, downstream of portal point         4.7         1.22         1.3.2         4.4         0.0         7.44         2.44         3.4         Afraeding are within WCD finite.           12/12/2014_12.32 nm         0/1.1         transgobility fiver, downstream of road construction areas         5.35         1.1.4         4.6         0.4         7.35         2.57         0.4         Con turbidity ic consistent with biodorial areas or the biodorial areas o	3/8/2024, 11:14 am	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	6.38	88	10.85	51	33	7.9	133	4.6	
Introduction         Processing Norm         Processing No	3/8/2024, 11:50 am	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	5.78	96.4	12.06	36	23	7.91	222	4.3	All readings are within WQO limits.
VIL/2024, L33 pm       Parking Statework       VIL/2024, L33 pm       Parking Statework <th< td=""><td>3/8/2024, 2:23 pm</td><td>EPLS</td><td>Yarrangobilly River, downstream of Lick Hole Gully</td><td>8.27</td><td>103.6</td><td>12.17</td><td>66</td><td>43</td><td>7.89</td><td>230</td><td>17.7</td><td>All readings are within WQO limits.</td></th<>	3/8/2024, 2:23 pm	EPLS	Yarrangobilly River, downstream of Lick Hole Gully	8.27	103.6	12.17	66	43	7.89	230	17.7	All readings are within WQO limits.
Dir       Dir <thd< td=""><td>3/8/2024, 2:55 pm</td><td>EPL9</td><td></td><td>7.05</td><td>99.1</td><td>12.03</td><td>67</td><td>43</td><td>7.33</td><td>268</td><td>5.8</td><td>All readings are within WQO limits.</td></thd<>	3/8/2024, 2:55 pm	EPL9		7.05	99.1	12.03	67	43	7.33	268	5.8	All readings are within WQO limits.
1/1/2024, 1:32 pm       IF 1:3       Terrangebilty fiver, downstream of road construction areas:       3.35       101       11.7       20       12       7.76       254       0.7       Low turnisity is consistent with initiality is consistent with initestent initiality is consistent with initiali	3/8/2024, 11:35 am	EPL12	Yarrangobilly River, immediately downstream of portal pad	4.71	102.7	13.23	52	34	7.83	206	0.9	Low turbidity is consistent with background conditions during sampling for this location.
$1 \\ 1/2/2024, 133 pm12 \\ 1/2/2024, 133 pm11 \\ 1/2/2024, 134 pm11 \\ 1/2/2024, 132 pm11 \\ 1/2/2024,$	3/8/2024, 12:10 pm	EPL14	Yarrangobilly River, downstream of road construction areas	5.05	101.3	12.92	46	30	7.68	248	3	All readings are within WQO limits.
1 $1$	3/8/2024, 12:32 pm	EPL15	Yarrangobilly River, downstream of road construction areas	5.35	101	12.78	50	32	7.76	254	0.7	Low turbidity is consistent with historical ranges for this location.
12/4/2024, 1213 and 12/4/2024, 1230 and 12/4/202	3/8/2024, 3:13 pm	EPL16	Yarrangobilly River, downstream of road construction areas	6.36	97.3	11.94	66	43	7.59	257	o	Low turbidity is consistent with historical ranges for this location.
12/12/2024, 10:30 emEPL28Excumbers River agestings and with nictorial ranges.4.1390311.8127177.32310ouring sampling and with nictorial ranges.12/12/2024, 12:4 emEPL29Excumbers River upstream of Marics Road7.690.710.4619.8196.65226.53.2This location in upstream of oxis and is therefore rep12/12/2024, 12:4 emEPL30Kellys Plain Creek, downstream of accommodation camp and laydown areas6.890.110.99312.07.849.96.3Altreadings are within WCO limits.12/12/2024, 12:32 andEPL31Kellys Plain Creek, upstream of accommodation camp and laydown areas8.4110.3212.32449119.197.11067Right Cris being monitored to ensure variance is ethin12/12/2024, 11:0 emEPL34Kellys Plain Creek, upstream of Tatangera reservoir outet7.1492.111.13322.17.551076.8Altreadings are within WCO limits.12/12/2024, 11:32 emEPL34Nunger Creek, upstream of Tatangera Road5.693.711.17713107.341014.8This contain is upstream of avorts and is therefore rep12/12/2024, 11:32 emEPL34Nunger Creek, downstream of Tatangera Road5.5484.310.6213107.341104.8This contain is upstream of avorts and is therefore rep12/12/2024, 11:32 emEPL35Nunger Creek, downstream of works in Rock Forest10.007.775.535.6<	2/8/2024, 3:21 pm	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	11.38	76.2	8.33	194	126	7.8	164	6	Low DO is generally consitent with background conditions in August 2024 and is within historical ranges.
21/2/2024, 12.52  pmEVL2/Example in NVEY upstream of MAIRCA Noise $7.5$ $9.0'$ $10.56$ $12.52$ $12.52$ $12.65$ $24.53$ $5.4$ beckground conditions: $12/2/2024, 12.54  pm$ EF130Keltys Plain Creek, downstream of accommodation camp and laydown areas $6.8$ $90.1$ $10.59$ $31$ $200$ $7.84$ $99$ $6.3$ All readings are within WQO limits: $12/2/2024, 12.53$ amEF131Keltys Plain Creek, upstream of accommodation camp and laydown areas $8.41$ $10.52$ $12.32$ $491$ $319$ $7.4$ $106$ $7$ high EC1 being monitored to ansure variance is attribute $12/2/2024, 11.10  am$ EF133Murrumbidges River, downstream of Tantangara reservair outlet $7.14$ $92.1$ $11.3$ $32$ $21$ $7.84$ $99$ $6.8$ All readings are within WQO limits. $12/2/2024, 11.14  am$ EF133Murrumbidges River, downstream of Tantangara nearvair outlet $7.14$ $92.1$ $11.37$ $13$ $10$ $7.8$ $100$ $6.8$ All readings are within WQO limits. $12/2/2024, 11.14  am$ EF134Nungar Creek, upstream of Tantangara Road $5.6$ $93.7$ $11.77$ $13$ $10$ $7.74$ $109$ $4.7$ Low EC is consistent with background conditions. $12/2/2024, 11.14  am$ EF136Nungar Creek, upstream of Works in Rock Forest $10.08$ $73.7$ $8.53$ $56$ $37.7$ $7.34$ $12.4$ $6.6$ This location is upstream of works in Rock Forest $12/2/2024, 11.12  am$ EF136<	10/8/2024, 10:30 am	EPL26	Eucumbene River downstream of Marica Road	4.13	90.3	11.81	27	17	7.23	231	0	Low turbidity and EC are consistent with background conditions during sampling and within historical ranges.
Image: Creek, upstream of Social S	3/8/2024, 2:48 pm	EPL27	Eucumbene River upstream of Marica Road	7.6	90.7	10.86	19.8	19	6.65	226.5	3.2	This location is upstream of works and is therefore representative of background conditions.
L2/8/2024, 9:33 am       EPL31       Kellys Plain Creek, upstream of accommodation camp and laydown areas       8.41       1032       12.32       481       319       7.1       106       7       natural fluctuations. No vibular indicators were identified in the concentration of EC.         12/8/2024, 11:0 am       EPL33       Murrumbidgee River, downstream of Tantangars reservoir outlet       7.14       92.1       11.13       32       21       7.53       107       6.8       All readings are within WQD limits.         12/8/2024, 11:34 am       EPL34       Nungar Creek, upstream of Tantangars Road       5.6       93.7       11.77       15       10       7.9       111       4.8       This location is upstream of works and is therefore reprocession is upstream of works and is therefore reprocession is upstream of Works and is therefore reprocession is upstream of Tantangars Road       5.54       84.3       10.62       15       10       7.4       109       4.7       Low EC is consistent with background conditions. In Automations.         12/8/2024, 11:32 am       EPL35       Camerons Creek, upstream of works in Rock Forest       10.08       75.7       8.53       56       3.7       7.34       124       6.6       This location is upstream of works and is therefore reprocession upstream of works in Rock Forest         12/8/2024, 12:30 pm       EPL36       Camerons Creek, downstream of works in Rock For	12/8/2024, 10:41 am	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	6.8	90.1	10.99	31	20	7.84	99	6.3	All readings are within WQO limits.
Link and	12/8/2024, 9:33 am	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	8.41	105.2	12.32	491	319	7.1	106	7	High EC is being monitored to ensure variance is attributed to natural fluctuations. No visiual indicators were identified to explain the concentration of EC.
12/2/2024, 11:34 am       EPL34       Nunger Creek, upstream of landangers noad       5.6       95.7       11.77       13       10       7.51       111       4.8       background conditions.         12/8/2024, 11:32 am       EPL33       Nunger Creek, downstream of Tantangers Road       5.34       84.3       10.62       11       10       7.74       109       4.7       Low ECi consistent with background conditions.         12/8/2024, 11:32 am       EPL33       Nunger Creek, downstream of Tantangers Road       5.34       84.3       10.62       11       10       7.74       109       4.7       Low ECi consistent with background conditions.         12/8/2024, 1:43 pm       EPL36       Camerons Creek, upstream of works in Rock Forest       10.08       73.7       8.33       36       37       7.34       124       6.6       This location is upstream of works and is therefore rep background conditions.         12/8/2024, 2:03 pm       EPL37       Camerons Creek, downstream of works in Rock Forest       10.72       79.5       8.82       52       34       7.57       117       9.6       Wor Do is within the historical range and is consistent with background conditions.         12/8/2024, 12:30 pm       EPL32       GF01 leachate basin       11.46       104       11.32       613       393       8.33 <t< td=""><td>12/8/2024, 11:10 am</td><td>EPL33</td><td>Murrumbidgee River, downstream of Tantangara reservoir outlet</td><td>7.14</td><td>92.1</td><td>11.13</td><td>32</td><td>21</td><td>7.85</td><td>107</td><td>6.8</td><td>All readings are within WQO limits.</td></t<>	12/8/2024, 11:10 am	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	7.14	92.1	11.13	32	21	7.85	107	6.8	All readings are within WQO limits.
12/8/2024, 11:32 am       EPL33       Nunger Creek, downstream of Tantangara Road       5.34       84.3       10.62       13       10       7.74       109       4.7       Low D0 is being monitored to ensure variance is strike nature fluctuations.         12/8/2024, 1:45 pm       EPL36       Camerons Creek, upstream of works in Rock Forest       10.08       73.7       8.53       36       37       7.34       124       6.6       This location is upstream of works and is therefore rep background conditions.         12/8/2024, 1:45 pm       EPL36       Camerons Creek, downstream of works in Rock Forest       10.08       73.7       8.53       366       37       7.34       124       6.6       This location is upstream of works and is therefore rep background conditions.         12/8/2024, 2:03 pm       EPL37       Camerons Creek, downstream of works in Rock Forest       10.72       79.5       8.82       52       34       7.57       117       9.6       Low D0 is within the historical range and is consistent background conditions for August 202         5/8/2024, 12:30 pm       EPL32       GF01 leachaste basin       11.46       104       11.32       613       393       8.33       307       9.1       Wigh pH is due to runoff accumulation for August 202         5/8/2024, 12:30 pm       EPL53       GF01 surface water upstream east       -	12/8/2024, 11:44 am	EPL34	Nungar Creek, upstream of Tantangara Road	5.6	93.7	11.77	15	10	7.91	111	4.8	This location is upstream of works and is therefore representative of background conditions.
12/8/2024, 1:45 pm       EPL36       Camerons Creek, upstream of works in Rock Forest       10.08       73.7       8.33       36       37       7.34       124       6.6       background conditions.         12/8/2024, 2:03 pm       EPL37       Camerons Creek, downstream of works in Rock Forest       10.72       79.5       8.82       52       34       7.57       117       9.6       Low DO is within the historical range and is consistent background conditions for this location for August 202         3/8/2024, 12:30 pm       EPL32       GF01 leschate basin       11.46       104       11.32       613       393       8.33       307       9.1       Wigh pH is due to runoff accumulation in the sediment use where parameters where met.         3/8/2024, 12:30 pm       EPL33       GF01 surface water upstream east       -       -       -       -       -       Or       -       Or       -       Or       Or, Site or	12/8/2024, 11:32 am	EPL35	Nungar Creek, downstream of Tantangara Road	5.54	84.3	10.62	15	10	7.74	109	4.7	Low EC is consistent with background conditions in August 2024. Low DO is being monitored to ensure variance is attributed to natural fluctuations.
12/20/2024, 223 pm       EPLS7       Camerons Creek, downsides in Nock Porest       10.72       75.3       8.62       32       34       7.37       117       5.6       background conditions for this location for August 202         3/8/2024, 12:30 pm       EPLS2       GF01 leschate basin       11.46       104       11.32       613       393       8.33       307       9.1       High pH is due to runoff accumulating in the sediment was taken for treatment at the process water treatment.         5/8/2024, 12:30 pm       EPLS3       GF01 surface water upstream east       -       -       -       -       -       Dry site, no flow	12/8/2024, 1:45 pm	EPL36	Camerons Creek, upstream of works in Rock Forest	10.08	75.7	8.53	56	37	7.34	124	6.6	This location is upstream of works and is therefore representative of background conditions.
3/8/2024, 12:30 pm       EPL32       GF01 leachate basin       11.46       104       11.32       613       393       8.33       307       9.1       was taken for treatment at the process water treatment         0       EPL33       GF01 surface water upstream east       -       -       -       -       -       Or yrite, no flow	12/8/2024, 2:03 pm	EPL37	Camerons Creek, downstream of works in Rock Forest	10.72	79.5	8.82	52	34	7.57	117	9.6	Low DO is within the historical range and is consistent with background conditions for this location for August 2024.
	5/8/2024, 12:30 pm	EPL52	GF01 leachate basin	11.46	104	11.32	613	393	8.33	307	9.1	High pH is due to runoff accumulating in the sediment basin. Water was taken for treatment at the process water treatment plant or re- use where parameters where met.
EPL34         GF01 surface water upstream west         -         -         -         -         -         Dry site, no flow		EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-	Dry site, no flow
		EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-	Dry site, no flow
	5/8/2024, 12:40 pm	EPL55	GF01 surface water downstream	10.8	95.8	10.58	584	374	8.05	306	3.50	Minor exceedance in pH is being monitored, however is generally consistent with background conditions for Augsut 2024.
	11/8/2024, 10:17 am	EPL66	Tantangara Leachate basin downstream east from Tantangara emplacement area	6.2	91.3	11.3	16.8	17	6.67	150.4	3.22	Low EC is within the historical range and is consistent with background conditions for this location for August 2024.
	27/8/2024, 7:57 am	EPL67		8.8	87.9	10.22	15.9	15	6.51	283.1	37.47	Low EC is within the historical range and is consistent with background conditions for this location for August 2024.
3/8/2024, 1:7 pm EPL71 Surface water downstream of Marica emplacement 6.4 94.9 11.7 33 33 6.84 226.5 23.6 All readings are within WQO limits.	3/8/2024, 1:17 pm	EPL71	Surface water downstream of Marica emplacement	6.4	94.9	11.7	33	33	6.84	226.5	23.6	All readings are within WQO limits.



#### 2024 EPL 21266 In Situ Water Quality Measurements

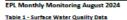


Table 1 - Surface water o	Quality Data					water quanty	objectives (see no				
River and Minor Waterco	ourses		Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	
			-	90-110	-	30 - 350		6.5 - 8.0	-	2 - 25	
29/8/2024, 11:03 am	EPL84	F8 Basin	13.74	72.3	7.74	984	630	8.2	68	282	High pH due to runoff accumulating in the sediment basin. Water was taken for treatment at the process water treatment plant or re- use where parameters where met.
29/8/2024, 11:16 am	EPL83	MY07 Besin	13.59	76.1	7.91	431	280	9.31	60	229	High EC, pH, and turbidity with low DO are due to runoff accumulating in the sediment basin. Water was taken for treatment at the process water treatment plant or re-use where parameters where met.
29/8/2024, 2:17 pm	EPL86	LHG01 Basin	16.21	88.1	8.63	1080	691	7.95	95	405	High EC and pH are due to runoff accumulating in the sediment basin. Water was taken for treatment at the process water treatment plant or re-use where parameters where met.

#### Table 2 - Reservoir Water Quality Data Talbingo and Tantangara Reservoirs

 Water Quality Objectives [see note 2]

 Temp (\*C)
 DO (%)
 DO (mg/L)
 EC (µS/cm)
 TDS (mg/L)
 PH
 Redox (mV)
 Turbidity (NTU)

 90 - 110
 20 - 30
 6 - 3 - 8.0
 1 - 20

Water Quality Objectives (see note 1)

Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рН	Redox (mV)	Turbidity (NTU)	Context
18/8/2024, 10:11 am	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	10.72	79.5	8.82	49	32	6.73	-3	2.3	Low DO is being monitored to ensure variance is attributed to natural fluctuations. EC is consistent with background conditions in the Yarrangobilly River for August 2024.
18/8/2024, 9:38 am	EPL11	Talbingo Reservoir, downstream of outlet	10.72	79.5	8.82	49	32	6.73	178	2.3	Low DO is being monitored to ensure variance is attributed to natural fluctuations. EC is consistent with background conditions in the Yarrangobilly River for August 2024.
27/8/2024, 7:57 am	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	8.6	88.1	10.29	15.2	14	6.25	286.5	33.11	This location is upstream of works and is therefore representative of background conditions and low reservoir water levels.
27/8/2024, 10:44 am	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	8.4	92.8	10.87	14.7	14	7.05	303.1	3.88	Low EC is consistent with background conditions in August 2024.
27/8/2024, 10:33 am	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	8.5	94.1	11.01	14.7	14	7.13	289.9	3.53	Low EC is consistent with background conditions in August 2024.
27/8/2024, 8:49 am	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	8.9	94.1	10.9	13	12	6.7	307.9	10.54	Low EC is consistent with background conditions in August 2024.
27/8/2024, 7:58 am	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	8.8	87.8	10.22	15.9	15	6.59	279.6	36.77	Low EC and DO and elevated turbidity are consistent with background conditions and low reservoir water levels for August 2024.
27/8/2024, 7:58 am	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	8.7	87.9	10.22	15.8	15	6.62	278.1	36.48	This location is upstream of works and is therefore representative of background conditions and low reservoir water levels.
27/8/2024, 11:22 am	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	9	94.2	10.9	16.6	16	7.13	275	8.84	Low EC is within the historical range and is consistent with background conditions for this location for August 2024.
27/8/2024, 11:24 am	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	9.3	94.7	10.86	15.6	14	7.09	270	10.04	Low EC is within the historical range and is consistent with background conditions for this location for August 2024.
18/8/2024, 9:21 am	EPL 107	Upstream Yarrangobiliy (Ravine Bay)	10.1	83.8	9.43	31	20	6.58	145	1.8	Spoil emplacement has commenced at Ravine Bay, and low DO is being monitored but is consistent with reservoir conditions in August 2024.
18/8/2024, 9:11 am	EPL 108	Upstream Tumut (Ravine Bay)	9.78	83	9.42	30	19	6.71	4	1.9	Spoil emplacement has commenced at Ravine Bay, and low DO is being monitored but is consistent with reservoir conditions in August 2024.
18/8/2024, 9:04 am	EPL 109	Downstream Tumut (Ravine Bay)	9.66	80	9.1	31	20	6.97	113	1.9	Spoil emplacement has commenced at Ravine Bay, and low DO is being monitored but is consistent with reservoir conditions in August 2024.
Table 3 - Treated Water (	Treated Water Quality Data					Water Quality	y Objectives (see no	ote 3]			
Talbingo			Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рн	Redox (mV)	Turbidity (NTU)	1
-						200		63.80		25	1

		l	-	-	-	700	-	6.5 - 8.0	•	25	
Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рН	Redox (mV)	Turbidity (NTU)	Context
11/8/2024, 9:18 am		Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	11.71	53.2	5.77	84	55	5.7	178	4.5	No dicharge occurred on this day.
-											







## 2024 EPL 21266 In Situ Water Quality Measurements EPL Monthly Monitoring August 2024

#### Table 4 Treated Mater Coulity Date

Table 4 - Treated Water (	Quality Data					Water Quality	Objectives (see not	te 3)			
Tantangara			Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	
-			-	-	-	200	-	6.5 - 8.0	-	25	]
Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рН	Redox (mV)	Turbidity (NTU)	Context
12/8/2024, 10:19 am		Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	9.65	69.4	7.9	36	24	7.91	75	5.8	All readings are within WQO limits.

Table 5 - Groundwater O	uality Data					Water Quality	Objectives (see no	te 1)			]
GF01 Surface Water and	Groundwater		Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm) 30 - 350	TDS (mg/L)	рН 6.5 - 8.0	Redox (mV)	Turbidity (NTU)	-
					-	30-330	-	0.310.0	-		<b>_</b>
Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рН	Redox (mV)	Turbidity (NTU)	Context
4/8/2024, 2:24 pm	EPL1	Wallace Creek Bridge	12.7	55.1	5.83	365	237	6.98	2	50	Elevated EC is within the historical range for this location.
4/8/2024, 2:34 pm	EPL2	Wallace Creek Bridge	13.34	29.1	3.03	861	551	7.83	-76	218	Elevated EC is within the historical range for this location.
3/8/2024, 10:47 am	EPL4	Portal Access	11.25	30.8	3.37	736	471	8.2	139	1000	Elevated EC and pH are within the historical range for this location.
3/8/2024, 11:01 am	EPL25	Portal Access	11.85	23.8	2.57	384	250	6.71	35	1000	Elevated EC is within the historical range for this location.
6/8/2024, 12:58 pm	EPL36	GF01 groundwater upstream east	13.06	26.3	2.76	186	121	7.94	301	2.3	All readings are within WQO limits.
6/8/2024, 1:18 pm	EPL57	GF01 groundwater upstream west	13.48	24	2.5	171	111	8.16	285	87.3	This location is upstream of works and is therefore representative o background conditions.
6/8/2024, 12:26 pm	EPL58	GF01 groundwater downstream	14.9	46.2	4.66	532	341	6.48	384	8.4	Elevated EC is generally consistent with groundwater in Lobs Hole for August 2024. Low pH will be monitored however extraction at this location is ongoing.
3/8/2024, 10:04 am	EPL68	Tantangara groundwater downstream West	10.7	92.9	10.32	27.6	25	5.9	218.7	15.19	Low EC will be monitored but generally consistent with reservoir conditions for August 2024. Low EC is consistent with upgradient groundwater in August 2024.
11/8/2024, 10:25 am	EPL69	Tantangara groundwater downstream East	9.4	86.3	9.87	18.2	17	6.07	185.9	7.43	Low EC will be monitored but generally consistent with reservoir conditions for August 2024. Low EC is consistent with upgradient groundwater in August 2024.
3/8/2024, 9:15 am	EPL70	Tantangara groundwater upstream	9.5	75.9	8.66	58.5	54	6.23	174.4	36.9	This location is upstream of works and is therefore representative o background conditions.
3/8/2024, 2:30 pm	EPL 72	Marica groundwater upstream	11.2	56.5	6.2	27.7	24	5.53	234.6	6.24	This location is upstream of works and is therefore representative or background conditions.
4/8/2024, 1:32 pm	EPL73	Marica groundwater downstream	10.4	70.7	7.92	48.6	44	6.1	241.7	18.37	All readings are within WQO limits.
2/8/2024, 2:56 pm	EPL80	LHG groundwater upstream	15.96	28,4	2.8	511	327	7.07	68	37.6	This location is upstream of works and is therefore representative o background conditions.
2/8/2024, 11:16 am	EPL81	LHG groundwater downstream	11.75	21.4	2.32	467	304	6.82	70	218	Elevated EC is consistent with background conditions in August 2024.
2/8/2024, 12:47 pm	EPL82	MY groundwater upstream	15.48	25.3	2.51	1890	1210	6.92	126	7.7	This location is upstream of works and is therefore representative o background conditions.
2/8/2024, 12:05 pm	EPL83	MY groundwater downstream	16.31	56.3	5.51	327	213	8.06	183	17.5	Elevated pH will be monitored.
2/8/2024, 11:02 am	EPL87	MY groundwater downstream	11.22	46.6	5.11	293	190	6.48	243	384	Low pH is generally consistent with upgradient background conditions in August 2024.
2/8/2024, 11:41 am	EPL88	MY groundwater downstream	13.52	74.6	7.76	574	367	7.15	7	3.8	Elevsted EC will be monitored.
2/8/2024, 2:35 pm	EPL89	LHG groundwater downstream	14.4	46.2	4.71	263	171	7.66	209	190	All readings are within WQO limits.
5/8/2024, 11:23 am	EPL 90	GF01 groundwater downstream	13.18	59	6.19	154	100	6.19	240	444	Low pH is not consistent with up gradient conditions or conditions i GF01 but appears consistent with other downstream wells and will be monitored.
5/8/2024, 11:48 am	EPL 91	GF01 groundwater downstream	13.81	29.8	3.08	179	116	6.93	246	13.9	All readings are within WQO limits.
5/8/2024, 11:00 am	EPL 92	GF01 groundwater downstream	8.66	99.8	11.63	68	44	7.34	277	14.2	Low EC is not consistent with up gradient conditions or conditions in GF01 but appears generally consistent with other downstream wells and will be monitored.
5/8/2024, 11:12 am	EPL 93	GF01 groundwater downstream	12.85	41	4.33	192	125	7.28	134	244	All readings are within WQO limits.
5/8/2024, 11:10 am	EPL 94	GF01 groundwater downstream	12.15	20	2.14	130	84	6.93	158	34.1	All readings are within WQO limits.



2024 EPL 21266 In Situ Water Quality Measurements



<b>EPL Monthly Monitorin</b>	ng August 2024										_
Table 5 - Groundwater O							Objectives (see no	ote 1)			
GF01 Surface Water and	Groundwater		Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	рН	Redox (mV)	Turbidity (NTU)	
				-	-	30 - 350	-	6.5 - 8.0	-	-	J
5/8/2024, 11:36 am	EPL 95	GF01 groundwater downstream	14.08	38.1	3.92	338	220	6.4	279	13.8	Low pH is not consistent with up gradient conditions or conditions in GFD1 but appears consistent with other downstream wells and will be monitored.
5/8/2024, 11:25 am	EPL 96	GF01 groundwater downstream	13.17	66.5	6.97	854	346	6.75	256	316	EC is elevated more than other ground and surface water locations in GF03, inclusive of the leachate basin. This will be monitored and a permanent pump for extraction be set up for this location to enable treatment of water if required.
5/8/2024, 11:55 am	EPL 97	GF01 groundwater downstream	13.33	33.1	3.46	318	206	6.92	209	42.3	All readings are within WQO limits.
4/8/2024, 10:10 am	EPL 113	Ravine Bay groundwater upstream	10.44	36	4.03	138	90	6.21	304	1000	This location is upstream of works and is therefore representative of background conditions.
4/8/2024, 10:36 am	EPL114	Ravine Bay groundwater upstream	12.26	51.5	5.51	353	230	7.14	167	17.9	This location is upstream of works and is therefore representative of background conditions.
4/8/2024, 10:31 am	EPL 115	Ravine Bay groundwater downstream	11.36	23.9	2.61	373	242	7.12	111	50	Elevated EC is consistent with upgradient background conditions for August 2024.
4/8/2024, 11:29 am	EPL116	Ravine Bay groundwater downstream	11.88	81.7	8.82	181	117	6.79	152	1000	All readings are within WQO limits.
4/8/2024, 11:13 am	EPL 117	Ravine Bay groundwater downstream	13.31	86.9	9.09	120	78	6.34	44	41.6	Low pH is consistent with upgradient background condictions for Augsut 2024.

Note 4: Water Quality Objective values for the Yarrangobility River and Minor Watercourses refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) that are reported in Tables 3.3.2 and 3.3.3 of ANZECC/ ARMCANZ (2000).

Note 2: Water Quality Objective values for Talbingo Reservoir are the default trigger values for physical and chemical stressors in south-east Australia (freshwater lakes and reservoirs) that are reported in Tables 3.3.2 and 3.3.3 of ANZECC/ ARMCANZ (2000).

Note 3: Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.

Note 4: Water Quality Objective values for groundwater reference the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for pH and electrical conductivity.





## **SEPTEMBER 2024**

#### 2024 EPL 21266 In Situ Water Quality Measurements EPL Monthly Monitoring September 2024

Table 1 - Surface Water O							Objectives (see no				1	
River and Minor Waterco			Temp ('C)	90-110	DO (mg/l)	BC (µS/cm) 30 - 350	TDS (mg/L)	6.5-8.0	Redox (mV)	Turbidity (NTU) 2 - 25		
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (N)	00 (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
4/9/2024, 11:28 am	DIS.	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	12.33	170.7	18.24	156	102	8.25	124	11.8	Sunny day , Clear water, Plenty of flow	This location is upstream of works and is therefore representative of background conditions.
4/9/2024, 12:05 pm	EPLE	Wallaces Creek, upstream of Yarrangobily River and Wallaces Creek confluence	9.65	120.6	13.71	5	36	8.03	140	4.9	Sunny day, Clear water, Plenty of flow	Encloyed provide constraints of the set of t
4/9/2024, 1:57 pm	CPU8	Yarrangobilly River, downstream of Lick Hole Gully	13.67	116.9	12.12	93	8	7.99	156	8.7	Sunny day , Clear water, Plenty of flow	Elevated DO readings during the September reporting period can be attributed to the increased flow velocity of the water courses associated with US slope snow melt.
4/9/2024, 2:30 pm	EPL9	Yarrangobily River, downstream of the accommodation camp and upstream of Taibingo Reservoir	12.98	205	21.6	76	50	8.02	157	8.5	Sunny day, Clear water, Slow flow	During the baseline studies in the spring season, pH and Dissolved oxygan displayed frequent escreedances in the Yarrangobily Rive. As such, it is articipated that these escreedances are not a result of Snowy 2.0 construction activities.
4/9/2024, 11:48 am	B117	Yarrangobilly River, Immediately downstream of portal pad	11.48	106.1	11.56	81	53	8.2	133	11	Sunny day, Clear water, Plenty of How	Elevated pH levels remain consistent with baseline conditions, and historical data from spring monitoring periods indicate frequent exceedances of project water quality objectives (WQD).
4/9/2024, 12:28 pm	EPLL4	Yamangobilly River, downstream of road construction areas	11.97	175.4	19.01	74	4	8.0	150	6.3	Sunny day, Clear water, Plenty of flow	Elevated DO readings during the September reporting period can be attributed to the increased flow velocity of the water courses at Yarrangobilly River in September.
4/9/2024, 12:38 pm	87115	Yarrangobilly River, downstream of road construction areas	11.29	114.9	12.58	79	52	8.05	149	٥	Sunny day, Clear water, Slight Row	Elevated pit and DO levels meanls constituted with baseline conditions. During the baseline studies in the spring ranson, pit and Disolved congen displayed frequent exceedances in the Yarrangobily Niver. As such, it is anticipated that these accedences are not a result of Scovey 2.0 construction activities.
4/3/2024, 2:44 pm	EPLL6	Tarrangobilly River, downstream of road construction areas	12.55	177.8	18.91	76	ą	8.01	158	ц	Sunny day, Clear water, Flenty of Bow	Elevated pH and DO levels remain consistent with baseline conditions. During the baseline studies in the spring season, pH and Distributed congren displayed frequent succedances in the Yamragobily River. As such, its introducted data these esceedances are not a result of Snowy 2.0 construction activities.
6/9/2024, 3:20 pm	67124	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	16	74	7.3	386	251	7.28	146	11.6	Vary clear, no odour, Sunny, hot, minimal wind today.	Low DO and elevated EC concentrations align with historical data for EPL 24.
7/9/2024, 12:16 pm	67126	Sucumbene River downstream of Marica Road	11.0	92.1	9.96	37	24	7.81	-68	5.8	Cloudy, Rain in the morning, Clear water, Plenty of flow	All readings are within WQO limits.
7/9/2024, 12:08 pm	69127	Eucumbene River upstream of Marica Road	12.2	91.3	9.79	64	42	7.94	109	3.4	Sunny, Rain in the morning, Clear water, Plenty of flow, Duplicate & Triplicate sample	All readings are within WQO limits.
13/9/2024, 9:59 am	67130	Kellys Plain Creek, downstream of accommodation camp and laydown areas	8.95	131.7	15.24	36	25	8.5	97	12	Sunny, Plenty of creek flow, Clear water	Elevated DO and pH readings during the September reporting period can be attributed to the increased flow velocity of the water courses in September.
13/9/2024, 10:22 am	PD1	Kellys Plain Creek, upstream of accommodation camp and laydown areas	8.94	100.9	11.67	24	16	7.88	114	16.7	Sumny, Planty of creak flow, Clear water	Low electrical conductivity (DC) is consistent with historical data and conditions for this location for September.
13/9/2024, 10:59 am	69133	Murrumbidgee River, downstream of Tantangara reservoir outlet	11.28	92	10.08	23	15	7.51	130	13.5	Sunny, Clear water , Depth about 0.2m	Low electrical conductivity (BC) is consistent with historical data and conditions for this location for September.
13/9/2024, 11:40 am	EPL34	Nungar Creek, upstream of Tantangara Road	9.34	97.1	11.18	15	10	7.78	304	2.1	Sunny, Plenty of flow, Clear water	Low electrical conductivity (EC) is consistent with historical data and conditions for this location for September.
13/9/2024, 11:27 am	69135	Nungar Creek, downstream of Tantangara Road	11.07	97.3	10.51	15	10	7.88	112	5.1	Sunny, Plenty of flow, Clear water	Low electrical conductivity (BC) is consistent with historical data and conditions for this location for September.
21/9/2024, 10:35 am	EPLDG	Camerons Creek, upstream of works in Rock Forest	8.08	57.4	6.78	36	24	5.84	182	28.6	Clear water. Cold windy day. Decomposing vegetation around stream line. No odour.	This location is upstream of works and is therefore representative of background conditions.
21/9/2024, 10:01 am	EP137	Camerons Creek, downstream of works in Rock Forest	7.84	71.8	0.55	33	21	6.59	145	42.1	Recent rain, cold and windy conditions. Water quite clear. No odour.	Low DO and high turbidity are within the historical range for this location and are consistent with background conditions for September 2004.
3/9/2024, 12:45 pm	89152	GF01 sediment basin	15.57	111.9	11.11	939	601	8.56	71	12.7	Sunny day, Clear water, Duplicate & Triplicate	High BC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
-	EP153	GF01 surface water upstream east	-	-	-	-	-		-	-		Dry site, no flow
-	EP154	GF01 surface water upstream west	-	-	-	-	-	-	-	-		Dry site, no flow





												1
Table 1 - Surface Water	Quality Data						y Objectives (see no					
River and Minor Watero	DUTER		Temp ('C)	DO (%) 90-110	00 (mg/l)	EC (µS/cm) 30 - 350	TDS (mg/L)	6.5-8.0		Turbidity (NTU) 2 - 25		
3/9/2024, 1:05 pm	DP155	GF01 surface water downstream	12.8	306.1	11.2	752	481	7.06	-26	0.00	Sunny day, sigal growth, limited water	Elevated EC is generally consistent with historical data and conditions at GP01 during sampling in September 2024.
21/9/2024, 11:41 am	EPL 66	Tantangara Leachate basin downstream east from Tantangara emplacement area	8.7	66.1	7.7	0	٥	8.13	204	11.40	Sunny, heavy rain occurring owenight and early moming; warmer temps than normal. Water relatively dear; organic material present; no distinct door. Due to severily low water level in reservoir, institu conducted approximately. Zom xway from location point.	Low electrical conductivity (BC) is consistent with historical data and conditions for this location in September.
22/9/2024, 9:05 am	EP1.67	Nungar Creek surface water downstream west from Tantangara emplacement area	30.02	67	7.56	34	•	8.06	156		Overcast; mild wind. Water clear with organic material present; no odour or olly theen. Sample taken from original established Nungar creek that was present due to significantly low reservoir level.	Low electrical conductivity (DC) is consistent with historical data and conditions for this location in September.
21/9/2024, 9:13 am	EP171	Surface water downstream of Marica emplacement	6.22	257.6	31.87	185	120	6.87	254	15	Overcast, mild wind. Water slightly turbid with organic material present; no odour or olly sheen. Sample was taken at the deepest part of this shallow creek	Elevated DO is within the historical baseline water quality result during wet season conditions at Marica.
5/9/2024, 9:33 am	67184	78 Basin	30.76	92.9	10.26	1000	662	8.39	146	1000	Cloudy, Turbidity > 1000 NTU, Depth 50%	High BC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
5/9/2024, 9:50 sm	EPLAS	MY07 Basin	10.92	103.9	11.46	483	314	10.07	107	90.1	Sunny, Clear water, No odour, Mid depth	High SC, pH and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
5/9/2024, 10:47 am	EPLAS	UHGO1 Basin	15.85	88.4	8.72	1170	748	7.78	-26	55.5	Sunny, Clear water, Depth low, No odour	High BC and turbidity with low DO are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
							-		-			
Table 2 - Reservoir Wate Tablego and Tantangar	i Tantangara Reservoirs		Temp ('C)	D0 (%)	00 (mg/l)		TDS (mg/L)		Redox (mV)	Turbidity (NTU)		
				90-110		20-30	-	6.5-8.0		1-20		
Date and Time	EPL Site ID	Location Description	Temp (*C)	DO (N)	00 (ng/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
6/9/2024, 8:42 am	69120	Taibingo Reservoir, downstream of road works and upstream of water intake point	13.07	39.6	10.48	80	52	6.83	-14	3.7	Clear no odour, no algal growth visible	High DC remains consistent with baseline conditions, DC displayed frequent exceedances during the September season. As such, it is anticipated that these exceedances are not a result of Snowy 2.0 construction addrifter.
8/9/2024, 8:28 am	EP111	Taibingo Reservoir, downstream of outlet	13.27	99.1	10.38	75	40	6.96	-21	3.8	Clear no odoum, no algal growth visible	High DC remains consistent with baseline conditions. BC displayed frequent exceedances during the September season. As such, it is anticipated that these exceedances are not a result of Snowy 2.0 construction advictive.
24/9/2024, 9:12 am	67128	Tantangara Reservoir, upstream in the mouth of the Murrumbidgee River	0.71	83.4	9.71	18	12	7.42	126	236	Sunny, no wind. Water green/grey colour with organic material present; no odour or oily sheen.	This location is upstream of works and is therefore representative of background conditions.
24/9/2024, 10:06 am	87129	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	9.49	87	9.94	17	11	6.94	205	3.0	Sunny, slight wind. Water green/grey colour with organic material present; no odour or oily sheen.	Low electrical conductivity (DC) is consistent with historical data and conditions for this location for September.
24/9/2024, 9:58 am	67132	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	9.41	81.8	9.36	36	10	7.75	158	3.9	Sunny, no wind. Water green/grey colour with organic material present; no odour or oily sheen.	Low electrical conductivity (EC) and DO are consistent with historical data and conditions for this location for September.
24/9/2024, 9:38 am	(PUM	Tantagara Reservoir, variable location dependent on tide and reservoir levels. Between the emplacement area and the anciliary facilities for emplacement activities	9.12	80.8	9.52	16	11	6.99	170	5	Sunny, no wind. Water green/grey colour with organic material present; no odour or oily sheen.	Low electrical conductivity (EC) and DO are consistent with historical data and conditions for this location for September.
22/9/2024, 8:53 am	67139	Confluence of Nunger Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	9.25	89	10.25	19	12	8.63	156		Overzett; mild wind. Water clear with organic material present; no odour or olly sheen. Sample taken from original established Nungar creek that was present due to significantly low reservoir level.	This location is upstream of works and is therefore representative of background conditions. Elevated pH and low DO can be attributed to the decreased level of water and the presence of organic material.
24/9/2024, 9:14 am	EPLAD	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	85	79.8	9.33	15	12	7.07	84	51.4	Sunny, no wind. Water green/grey colour with organic material present; no odour or oily sheen.	This location is upstream of works and is therefore representative of background conditions.
24/9/2024, 30:24 am	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	9.42	80.2	9.18	17	11	6.77	211	3.8	Sunny, slight wind. Water green/grey colour with organic material present; no odour or oily sheen.	Low electrical conductivity (BC) and DO are consistent with historical data and conditions for this location for September.
24/9/2024, 10:16 am	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	9.41	80.7	9.24	17	11	7.54	175	3.0	Sunny, slight wind. Water green/grey colour with organic material present; no odour or oily sheen.	Low electrical conduct/vity (BC) and DO are consistent with historical data and conditions for this location for September.
Table 3 - Treated Water	Out It's Data					Water Ocality	y Objectives (see no	te 31	-			· · · · ·
Tolbingo	and the second		Temp ('C)	DO (N)	DO (mg/L)		TDS (mg/L)	pH		Turbidity (NTU)		
	1					700		6.5-8.0	-	25		
Date and Time	d Time EPL Site ID Location Description			00 (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redex (mV)	Turbidity (NTU)	Field Comments	Contast
4/9/2024, 8:33 am	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final	Temp ('C)	52.2	5.69	315	205	7.45	105		Clear water RO startup sample after 5 mins	No dicharge occurred at this time.
re sy away, a last and	67574	treatment, prior to discharge to Talbingo Reservoir.		26.6				100		104	ween mener nor steroop semple after a minis	ine statistics esselling at the time.





Table 4 - Treated Water (	Quality Data					Water Quality	r Objectives (see no	te 3)			]	
Tentangara			Temp ('C)	DO (N)	DO (mg/L)	BC (µ5/cm) 200	TDS (mg/L)	pH 6.5-8.0	Redox (mV)	Turbidity (NTU) 25		
Date and Time	EPL Site ID	Location Description	Temp ('C)	00 (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
29/9/2024, 12:28 pm	EPLSO	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	14.2	67.2	6.88	222	181.6	5.69	35.1	2.5	RO plant has not been running due to installation of additional parts. Clear, running water with no odour	The pH and BC levels will continue to be monitored in the coming tampling rounds.
Table 5 - Groundwater G	uality Data					Water Quality	y Objectives (see no	te 1)			1	
GF01 Surface Water and			Temp ('C)	D0 (N)	00 (mg/l)	EC (µ5/cm) 30 - 350	TDS (mg/L)	pH 6.5-8.0	Redox (mV)	Turbidity (NTU)		
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (N)	00 (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
3/9/2024, 11:36 am	EP156	GF01 groundwater upstream east	11.25	111.5	12.19	503	322	5.65	197	23.4	SWL 10-49m, Clear water, Hydraleave with collar, No oll vizible	This location is upstream of works and is therefore representative of background conditions.
3/9/2024, 11:49 am	EP157	GF01 groundwater upstream west	13.22	110.3	11.56	237	154	4.82	209	328	SWL 15.96m, Sunny day , Clear water, No oli visible, Hydrasleeve	This location is upstream of works and is therefore representative of background conditions.Low pH is generally consistent with surrounding conditions.
3/9/2024, 12:57 pm	EP158	GF01 groundwater downstream	15.79	95.5	9.46	819	513	7.87	304	79.5	Sunny day, Clear water, Footvalve	High DC is generally consistent with conditions at GF01 during sampling.
7/9/2024, 11:25 am	EPLGS	Tantangara groundwater downstream West	15.2	92.1	9.65	27.7	23	5.74	182.1	4.00	Sunny, heavy rain occurring overnight and early morning; warmer temps than normal. Clear water, no odour.	Low pH and BC are generally consistent with previous results in the last months. These conditions are following expected changes due to altered climatic conditions.
21/9/2024, 11:09 am	EPLES	Tantangara groundwater downstream East	10.9	83.6	9.25	18.6	17	5.82	165.1	5.57	Sunny, heavy rain occurring overnight and early morning; warmer temps than normal. Water clear; no odour.	Low pil and BC are generally consistent with previous results in the last months. These conditions are following expected changes due to altered climatic conditions.
7/9/2024, 2:46 pm	EPL70	Tantangara groundwater upstream	13.9	66.7	6.89	112.7	93	6.1	195.9	15.53	Sunny, heavy rain occurring overnight and early morning; warmer temps than normal. Water clear with sediment stirred up at bottom of sleeve; no odour.	This location is upstream of works and is therefore representative of background conditions.
7/9/2024, 10:54 am	EPL 72	Marica groundwater upstream	11.64	47.1	5.12	54	35	6.11	136	108	Clear sunny day, Non turbid water. Bore had minimal water, dry, SWL 26.0 m	This location is upgradient of works and is therefore representative of background conditions.
7/9/2024, 9:05 am	89173	Marica groundwater downstream	11.92	68.9	9.56	560	358	8.09	140	760	SWL 16.5m, Foggy Rainy day, Sightly discoloured water, Hydrasleeve in	Elevated pH and EC are generally consistent with the previous results for this location and the exceedance is consistent with the historical data.
5/9/2024, 11:21 am	67400	UHG groundwater upstream	18.51	33.4	3.13	812	520	6.88	-23	50.9	SWI, 20.35m, Sunny, Silghtly turbid, Hydrasleeve in	This location is upstream of works and is therefore representative of background conditions.
5/9/2024, 10:33 am	EP181	UHG groundwater downstream	15.27	54.8	5.48	696	445	7.04	-85	309	SWL 3.25m, Sunny, Turbid water with lot of sit and floating debris, Concrete pad under construction, Hydrasleeve in	Elevated BC is generally consistent with the previous results for this location and the esceedance is consistent with the historical data.
5/9/2024, 11:34 am	EPL02	MY groundwater upstream	18.58	69.1	6.44	2670	1710	7.14	-15	181	SWL 8.2m, Sunny, Turbid water, Footvalve in	This location is upstream of works and is therefore representative of background conditions and within historical ranges.
5/9/2024, 10:24 am	EPLES	MY groundwater downstream	13.53	8	9.25	640	415	7.65	2	790	SWL 3.1m, Sunny day, Turbid water, Concrete pad under construction, Pootvalve in	Elevated EC is generally consistent with background conditions in September 2024 and previous conditions recorded in this location.
5/9/2024, 9:20 am	EP187	MY groundwater downstream	10.91	66	7.28	517	331	7.02	145	1000	SWL 3.54m, Cloudy, Very turbid water, Foot value in, Turbidity > 1000 NTU	Low pH is generally consistent with surrounding conditions in September 2024.
5/9/2024, 10:11 am	EPLAS	MY groundwater downstream	13.17	29.9	3.13	842	539	7.18	-27	13	SWL 2.55m, Sunny day, Very clear water, Hydrasleeve, dust supression run off batter	Elevated BC is generally consistent with background conditions in September 2004 and previous conditions recorded in the last sampling rounds.
5/9/2024, 11:06 am	EPL09	LHG groundwater downstream	14.97	66.9	6.74	323	210	7.74	42	106	SWL 2.02m, Sunny, Slightly turbid, Construction work Upstream, Hydrasleeve in	All readings are within WQO limits.
2/9/2024, 3:32 pm	EP190	GF01groundwater downstream	13.11	49.5	5.2	186	121	5.39	66	1000	SWL 13.03, Turbidity > 100 NTU, No odour	Low pills generally consistent with surrounding conditions and previous results recorded.
2/9/2024, 2:51 pm	EP191	GF01 groundwater downstream	14.41	26.2	2.67	262	170	6.67	51	39.3	SWL8.22mbtoc, Clear, no odours	All readings are within WQO limits.
3/9/2024, 12:09 pm	EP192	GF01 groundwater downstream	14.67	76.5	7.78	195	125	6.64	199	1000	SWI, 14.88m, Sunny day, Turbid water over 1000 NTU, Foot valve in	All readings are within WQO limits.
3/9/2024, 12:19 pm	67193	GF01 groundwater downstream	14.47	105.7	10.78	295	192	6.94	-74	436	SWL 14.53m, Sunny day, Turbid water	All readings are within WQO limits.
3/9/2024, 12:26 pm	EP104	GFOI groundwater downstream	14.6	100.1	10.17	202	151	7.13	-39	135	SWI, 13.76m, Sunny day, Turbid water, Foot valve in	All readings are within WQO limits.
2/9/2024, 3:19 pm	EPL95	GFO1 groundwater downstream	14.37	64.7	8.8	560	359	5.00	39	225	Swi G.Blmbtor, No odour	Low pil and elevated conductivity are generally consistent with surrounding conditions and previous results recorded.
2/9/2024, 3:06 pm	EPL96	GF01 groundwater downstream	13.87	35.9	3.7	457	297	6.83	92	759	Swi 4.31mbtocDtb 12.21	Sightly elevated DC is generally consistent with surrounding conditions.
2/9/2024, 2:42 pm	EPL97	GF01 groundwater downstream	14.07	71.8	7.38	481	313	6.54	133	85.4	Swi 6.34mbtoc, Clean, no odour	Sightly elevated EC is generally consistent with surrounding conditions.

Note 1: Water Quality Objective values for the Tarrangobilly River and Minor Watercourses refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) that are reported in Tables 3.3.2 and 3.3.3 of ARZECC/ARMCARZ (2000).

Note 2: Water Quality Objective values for Talbingo Reservoir are the default trigger values for physical and chemical stresson in south-east Australia (thehester laises and reservoirs) that are reported in Tables 3.3.3 of AVZECC/ ARMCAVE (2000).

Note 3: Water Quality Objective values Treated Water reference the predicted values for physical and chemical streasors from the treatment plant as presented in the Main Works EE.

Note 4: Water Quality Objective values for groundwater reference the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for pH and electrical conductivity





## **OCTOBER 2024**

#### 2024 EPL 21266 In Situ Water Quality Measurements EPL Monthly Monitoring October 2024

Table 1 - Surface Water Ox	uality Data					Water Quality	y Objectives (see no	te 1)			1	
River and Minor Watercou			Temp ('C)		00 (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	90-110	•	30 - 350	-	6.5-8.0		2 - 25	J	
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (N)	00 (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
4/10/2024, 10:09 am	DPLS	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	11.26	306.7	11.59	81	53	7.45	189	3.4	Cloudy day, clean water, high flow, turbulent water, no odour	This location is upstream of works and is therefore representative of background conditions.
4/10/2024, 4:15 pm	EPLE	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	10.19	95.4	10.73	8	39	6.7	235	7.9	Cloudy day, high flow, high level of water, clear water, no smell	All readings are within WOO limits.
4/10/2024, 11:44 am	EPLA	Yarrangobilly River, downstream of Lick Hole Gully	12.52	89	9.52	93	61	6.65	235	6.2	Cloudy day, high flow, clean water, no odour	All readings except DO is within WQO limits. DO is consistent with baseline data.
4/10/2024, 12:13 pm	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Taibingo Reservoir	12.15	90.8	9.75	82	53	6.69	257	5.7	Cloudy day, high flowing, no odour, dean water, high level of water	All readings are within WQO limits.
4/30/2024, 30:24 am		Yarrangobiliy River, immediately downstream of portal pad	11.81	96.4	10.43	81	53	6.62	223	3.7	Cloudy day, no odour, clean water, high flowing, a bit turbulent water	All readings are within WQO limits.
4/10/2024, 11:01 am		Yarrangobiliy River, downstream of road construction areas	6.64	89.8	9.77	76	51	6.64	241	3.5	Cloudy day, no odour, low flow, low level of water, clear water	All readings are within WQO limits. DO is marginally low
4/10/2024, 4:24 pm		Yarrangobiliy River, downstream of road construction areas	12.02	91.8	9.66	77	50	6.7	236	3.8	Cloudy day, high flowing, no odour, clear water	All readings are within WQO limits. All readings except DO is within WQO limits. DO is consistent with
4/10/2024, 12:25 pm	EPLLG	Yarrangobilly River, downstream of road construction areas	12.66	80.1	8.5	55	57	6.58	240	10.4	Cloudy day, turbulent water, high flowing, no odour, clear water	bareline data.
1/10/2024, 4:23 pm	6P124	Yarrangobility River tributary (Watercourse 2), directly downstream of road	17.73	70.9	6.74	301	196	7.18	170	23.4	Sunny, Clear water, Plenty of flow	All readings except DO is within WQO limits. DO is consistent with baseline data.
6/30/2024, 8:53 am	69126	Eucumbene River downstream of Marica Road	11.06	307.5	11.62	8	41	7.11	163	19.2	Rainy day, clear water, no odour, slow flow	All readings are within WQO limits.
6/10/2024, 8:58 am	EP127	Eucumbene River upstream of Marica Road	9.95	96	10.84	33	22	7.9	154	5.0	Rainy day, clear water, no odour, slow flow	All readings are within WQO limits.
5/10/2024, 10:17 am	EP130	Kellys Plain Creek, downstream of accommodation camp and laydown areas	11.22	71.2	7.81	23	19	6.4	187	10.1	Cloudy day, clear water, slow flow, no odour	Do and pH levels are consistent with baseline data.
\$/10/2024, 10:26 am	PUI	Kellys Plain Creek, upstream of accommodation camp and laydown areas	11.21	71.2	7.81	24	16	6.42	185	7.1	Cloudy day, low level of water, slow flowing, clear water, no odour	Do and pH levels are consistent with baseline data.
5/10/2024, 9:54 am	67633	Murrumbidgee River, downstream of Tantangara reservoir outlet	12.6	84.7	9.01	22	14	6.68	157	6.3	Cloudy day, high flowing, clear water, no occur	Low DO levels are consitent with baseline data.
5/10/2024, 9:21 am	EP134	Nungar Creek, upstream of Tantangara Road	12.14	86.3	9.26	99	64	6.57	94	20.5	Cloudy day, turbulent water, a bit turdid, high flow, no odour	Low DO levels are consitent with baseline data.
5/10/2024, 9:25 am	EPL35	Nungar Creek, downstream of Tantangara Road	9.88	83.2	9.4	17	11	7.46	70	14.8	Cloudy day, turbulent water, high flow, clear water, no odour	Low DO and EC levels are consitent with baseline data.
13/10/2024, 1:35 pm	EPL36	Camerons Creek, upstream of works in Rock Forest	16.10	100.4	9.87	52	34	5.9	209	0.3	Sunny day, low turbidity, slow flow, small watercourse, no odour, animals closely of the stream	This location is upstream of works and is therefore representative of background conditions.
13/10/2024, 1:11 pm	89137	Camerons Creek, downstream of works in Rock Forest	18.45	30.9	9.59	8	39	6.66	185	56.5	Sunny day, turbid water, no odour, slow flow	Low DO and high turbidity are within the historical range for this location and are consistent with background conditions for September 2004.
5/10/2024, 11:24 am	EP152	GF01 sedment basin	20.23	99.5	9.01	969	<b>620</b>	8.1	85	253	Sunny, Clear water, Mid slepth	High BC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant .
-	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-		Dry site, no flow
-	EP154	GF01 surface water upstream west		-	-	-	-	-	-	-		Dry site, no flow
5/10/2024, 1:41 pm	EPL 66	Tantangara Leachate basin downstream east from Tantangara emplacement area	13.48	94.5	9.85	26	17	7.97	177	20.2	Gale force winds, cloudy day, post morning rain. Visible turblidity and brown coloured water with no odour. Shallow with lowered reservoir levels	Low BC is consistent with historical data and conditions for this location.
30/10/2024, 3:15 pm	EP167	Nungar Creek surface water downstream west from Tantangara emplacement area	19.8	92.1	8.41	52.5	38	7.57	115	2.96	Sunny afternoon, no wind. Sediment on bank	All readings are within WQO limits.
6/10/2024, 9:43 am	EP171	Surface water downstream of Marica emplacement	8.78	86.1	8	3	42	7.44	261	67.5	Rainy day, turbid water, no smelly, low level of water, very slow flow	DO is within the historical baseline water quality result during wet season conditions at Marica.
9/10/2024, 10:54 am	EP104	F8 Dasin	17.17	95.8	9.21	837	563	8.28	169	1000	Sunny Dead sigal growth visible High Turbidity greater than 1000 NTU	Nigh BC, pH, and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
9/10/2024, 11:12 am	EPLBS	MY07 Basin	16.93	84.5	8.18	482	313	9.33	142	77.1	Sunny Clear water No Algal growth visible Mid depth in basin	Nigh SC, pH and turbidity are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.
9/10/2024, 11:05 am	EPLDG	LHG01 Badn	17.57	84.8	8.07	1140	756	9.3	99	50	Sunny Clear water low turbidity Mid depth Algal growth on entrance to basin	High BC and turbidity with low DO are due to runoff accumulating in the basin. Water was taken for treatment at the process water treatment plant.





Table 2 - Reservoir Wate	r Quality Data	1				Water Qualit	y Objectives (see no	ite 2)			1	
Tolbingo and Tantangar			Temp ('C)	D0 (%)	DO (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	90-110		20 - 30		6.5-8.0	-	1-20		
Date and Time	EPL Site ID	Location Description	Temp (*C)	DO (N)	00 (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Contest
7/10/2024, 8:17 am	EPLLO	Taibingo Reservoir, downstream of road works and upstream of water intake point	14.42	110	11.25	6	41	7.62	176	22.5	Cloudy weather sample tak	High EC remains consistent with baseline conditions. As such, it is anticipated that there exceedances are not a result of Snowy 2.0 construction activities.
7/10/2024, 9:41 am	EP111	Taibingo Reservoir, downstream of outlet	14.75	72.2	7.32	55	36	7.58	195	10.6	Sample talen on reservoir at EFL 11 point. Cloudy weather	Low DO and High EC remains consistent with baseline conditions. As such, it is anticipated that these exceedances are not a result of Snowy 2.0 construction activities.
16/10/2024, 8:16 am	EPL28	Tantangara Reservoir, upstream in the mouth of the Murrumbidgee River	10.8	88.6	9.81	16.8	15	7.34	200.5	3.86	Heavy fog, slight breeze; cold. Water relatively clear with organic material present; no odour or oily sheen. Wa	This location is upstream of works and is therefore representative of background conditions.
16/10/2024, 9:07 am	87129	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbldgee River	12.6	91.2	9.7	16.5	14	6.73	179.7	4.3	Foggy, cold; slight breeze. Water relatively clear with organic material present; no odour or olly sheen.	Low electrical conductivity (BC) is consistent with historical data and conditions for this location.
16/10/2024, 9:00 am	EP132	Tantangara Reservoir, Tantangara Intaka. Downstream of construction works	12.5	91.6	9.76	16.6	14	7.31	226	4.37	Foggy, cold; slight breeze. Water relatively clear with organic material present; no odour or oily sheen.	Low electrical conductivity (BC) is consistent with historical data and conditions for this location.
16/10/2024, 8:40 am	EP LAS	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the employement area and the ancillary facilities for employement activities	13	93.5	9.86	16.7	14	7.28	223.1	4.33	Heavy fog, cold; slight breeze. Water relatively dear with organic material present; no odour or olly sheen.	Low electrical conductivity (UC) is consistent with historical data and conditions for this location.
5/10/2024, 11:13 am	67139	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	12.06	69.2	7.45	20	13	6.57	194	11.0	Cloudy day, high level of water, constantly flowing, no odour	This location is upstream of works and is therefore representative of background conditions. Low DO can be attributed to the decreased level of water and the presence of organic material.
10/10/2024, 2:17 pm	EPLAD	Confluence of the upper Murrumbldgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	16.98	62.5	6.04	70	46	8.08	-78	31.0	Sunny day, light winds. Taken from river. Running water.	This location is upstream of works and is therefore representative of background conditions.
16/10/2024, 9:19 am	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	12.5	91.2	9.71	18.1	15	6.55	226.4	4.55	Fog clearing, slight breeze. Water relatively clear with organic material present; no odour or oily sheen.	Low EC is consistent with historical data and conditions for this location.
16/10/2024, 9:12 am	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	12.5	90.9	9.68	16.5	14	6.58	221.3	4.51	Fog clearing, slight breeze. Water relatively clear with organic material present; no odour or oily sheen.	Low EC is consistent with historical data and conditions for this location.
						Water Oralla	y Objectives (see no	** **				
Table 3 - Treated Water Tolbingo	COUNTRY DOTO		Temp ('C)	00.001	DO (mg/L)	BC (uS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	-	
		1		-		700		6.5-8.0		25		
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (%)	DO (mg/L)	BC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
2/10/2024, 8:00 am	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tablingo Reservoir.	11.50	85.5	9.3	112	73	7.45	138	26.5	Clear water RD startup sample after 5 mins	Slightly elevated turidity however no discharge was occurring at the time of sampling.
	•							·				
Table 4 - Treated Water (	Quality Data						y Objectives (see no	te 3)				
Tentengare			Temp ('C)	DO (N)	DO (mg/L)	EC (µS/cm)		pH	Redox (mV)	Turbidity (NTU)		
		l	-			200		6.5-8.0	-	2		
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (%)	DO (mg/L)	BC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
23/30/2024, 30:14 am	EPLS0	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	17.6	86.9	8.3	133.1	301	5.8	171.2	1.18	The RD plant is non-functioning due to maintenance upgrades. The sample is from a tank. No discharges have occurred this month. Clear water with no odour or sheen.	The pH levels will continue to be monitored in the coming sampling rounds.





Table 5 - Groundwater Quality Data GF01 Surface Water and Groundwater

#### Water Quality Objectives (see nots 1) Temp (\*C) DO (N) DO (mg/L) EC (uS/cm) TDS (mg/L) pH Redox (mV) Turbidity (NTU)

			-									
Date and Time	EPL Site ID	Location Description	Temp ('C)	DO (N)	00 (mg/l)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
15/30/2024, 30:43 am	EP156	GF01 groundwater upstream east	15.96	22.7	2.24	269	175	7.43	192	185	SWL-10.49 m, sunny day, a bit turbid water, no odour	This location is upstream of works and is therefore representative of background conditions.
15/10/2024, 11:06 am	EP157	GF01 groundwater upstream west	17.95	36.5	3.48	252	164	7.95	213	196	SWL-15.38 m, sunny day, turbid water, no odour	This location is upstream of works and is therefore representative of background conditions.
15/10/2024, 1:43 pm	67158	GF01 groundwater downstream	18.06	50.1	4.72	809	518	5.88	266	60.1	SWL- 6.72 m, sunny day, dear water, no odour	High BC and low pH are generally consistent with conditions at GF01 during sampling.
19/10/2024, 11:21 am	EPLGB	Tantangara groundwater downstream West	13.63	70.7	0.10	30	19	7.88	155	6.8	SWL: 2.36 m. Partly cloudy day, recent rain yesterday and this morning. Water is very clear. No odour.	All readings are within WOO limits.
19/10/2024, 11:43 am	67169	Tantangara groundwater downstream East	13.57	87.1	9.05	28	18	7.25	213	4.1	SWL: 3.64 m. Cloudy day, recent rain. Clear water no odour.	Low pH is generally consistent with previous results in the last months. These conditions are following expected changes due to altered climatic conditions.
19/10/2024, 9:11 am	EP170	Tantangara groundwater upstream	13.04	71.2	7.49	146	95	5.78	278	64.5	SWL: 5.57 m. Cloudy day. Water very clear, no odour	This location is upstream of works and is therefore representative of background conditions.
6/10/2024, 9:13 am	EPL 72	Marica groundwater upstream	10.24	82.1	9.22	36	24	7.84	218	45.9	Rainy day, a bit turbid water, no smelly	This location is upgradient of works and is therefore representative of background conditions.
6/30/2024, 9:32 am	67173	Marica groundwater downstream	10.16	813	9.14	64	42	7.69	263	54.1	Rainy day, a bit turbid water, no smelly	All readings are within WQO limits.
1/10/2024, 1:47 pm	EP120	UHG groundwater upstream	19.2	75.7	6.97	963	616	6.75	-6	79.1	SWL 20.26m, Sunny, Clear water	This location is upstream of works and is therefore representative of background conditions.
1/10/2024, 12:29 pm	69181	UHG groundwater downstream	16.75	941	33	772	454	6.41	-112	105	SWL3.16m, Sunny, Clear water	Elevated BC and low pH are generally consistent with the previous results for this location and the exceedance is consistent with the historical data.
1/10/2024, 1:45 pm	EP102	MY groundwater upstream	17.13	18.6	1.77	2970	1900	6.66	17	175	SWL 9.27m, Sunny, Clear water	This location is upstream of works and is therefore representative of background conditions and within historical ranges.
1/10/2024, 12:12 pm	67103	MY groundwater downstream	20.62	61.1	5.48	643	411	6.81	114	3000	SWL 3.09m, Sunny, Turbid water greater than 1000NTU	Elevated BC is generally consistent with background conditions and historical data recorded in this location.
1/10/2024, 1:43 pm	EP187	MY groundwater downstream	15.02	89.8	9.04	597	382	6.74	116	3000	SWL 2.7m, Sunny, Turbid water greater than 1000NTU	Elevated BC is generally consistent with background conditions and historical data recorded in this location.
1/10/2024, 11:49 am	67138	MY groundwater downstream	17.05	23.6	2.27	1910	1220	6.92	9	7.1	SWL2.93m, Sunny, Clear water	Elevated BC is generally consistent with background conditions and previous conditions recorded in the last sampling rounds.
1/10/2024, 10:37 am	EP129	UHS groundwater downstream	15.96	61.7	6.08	348	226	7.51	108	114	SWL 2.65m, Sunny, Clear water	All readings are within WQO limits.
15/10/2024, 11:44 am	67190	GF01 groundwater downstream	17.51	61	5.85	363	237	6.17	182	246	SWL-13.61 m, sunny day, turbid water, no odour	Low pH is generally consistent with surrounding conditions and previous results recorded.
15/10/2024, 10:19 am	67191	GF01 groundwater downstream	17.5	28.3	2.71	325	211	6.92	209	92.7	SWL- 0.98 m, sunny day, turbid water, no odour	All readings are within WQO limits.
15/10/2024, 10:32 am	EP192	GF01 groundwater downstream	16.69	58.7	5.71	160	104	7.05	174	1000	SWL-13.49 m, sunny day, very turbid water, no odour	All readings are within WQO limits.
15/10/2024, 11:33 am	67193	GF01 groundwater downstream	16.76	26.4	2.56	682	437	6.74	80	200	SWL-13.62 m, sunny day, turbid water, no odour	All readings are within WQO limits.
15/10/2024, 11:27 am	EP134	GF01 groundwater downstream	17.17	45.1	4.54	273	177	7.32	230	285	SWL-14.4 m, sunny day, turbid water, no odour	All readings are within WQO limits.
15/10/2024, 1:35 pm	EPL95	GF01 groundwater downstream	19.45	15.9	1.46	550	352	5.0	271	108	SWL-7.2 m, sunny day, a bit turbid water, no odour	Elevated EC and low pH are generally consistent with the background and previous conditions recorded in the last sampling rounds.
15/10/2024, 1:21 pm	EPL96	GF01 groundwater downstream	10.90	25.5	2.36	842	534	6.81	243	295	SWL-5.1 m, sunny day, turbid water, no odour	Elevated BC is generally consistent with surrounding conditions.
15/10/2024, 11:56 am	EPL97	GF01 groundwater downstream	18.12	31	2.92	478	311	6.42	220	107	SWL-6.31 m, sunny day, a bit turbid water, no odour	Elevated BC and pH levels are generally consistent with surrounding conditions.

Note 1: Water Quality Objective values for the Yarrangobily River and Minor Watercourses refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) that are reported in Tables 3.3.2 and 3.3.3 of ANZECC/ARMCINIZ (2000).

Note 2: Water Quality Objective values for Tablingo Reservoir are the default trigger values for physical and chemical stresson in south-east Australia (thesheater lakes and reservoirs) that are reported in Tables 3.3.2 and 3.3.3 of N/2002 (AMACN/2 (2002).

Note 3: Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works ES.

Note 4: Water Quality Objective values for groundwater reference the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for pH and electrical conductivity.





## **NOVEMBER 2024**

### 2024 EPL 21266 In Situ Water Quality Measurements

EPC MOnthly	Monitoring	November	2024

Table 1 - Surface Water O	Quality Date					Water Coality	y Objectives (see no	te 11				
River and Minor Waterco			Temp (°C)	D0 (%)	DO (mg/L)	EC (µS/cm)		pH	Redox (mV)	Turbidity (NTU)		
				90-110	-	30 - 350		6.5-8.0	•	2 - 25		
Date and Time	EPL Site ID	Location Description	Temp (*C)	DO (X)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
3/11/2024, 1:24 pm	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction ped	20.33	109.4	9.88	100	65	7.64	52	2.04	Sunny day, vary clear water, constant flow, no odour, a bit turbulent	All readings are within WQO limits.
3/11/2024, 2:00 pm	EPL6	Wallaces Creek, upstream of Yamangobilly River and Wallaces Creek confluence	18.79	107.8	10.04	74	48	7.47	99	2.48	Sunny day, very clear water, constant flow, no odour, small stream	All readings are within WQO limits.
5/11/2024, 2:49 pm	EPLB	Yarrangobiliy River, downstream of Lick Hole Gully	21.85	90.2	7.9	107	70	7.85	93	1.83	Sunny day, very clear water, constant flow, no odour, a bit turbulent water	Low turbidity is consistent with historical ranges for this location.
3/11/2024, 3:16 pm	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Tabingo Reservoir	21.72	92.6	8.14	102	92.6	7.91	95	3.61	Sunny day, vary clear water, constant flow, no odour	All readings are within WQO limits.
3/11/2024, 1:42 pm	EPL12	Yarrangobilly River, immediately downstream of portal pad	20.41	100.7	9.08	100	65	7.65	88	1.89	Sunny day, very clear water, constant flow, no odour	Low turbidity is consistent with beckground conditions during sampling for this location.
3/11/2024, 2:18 pm	EPL14	Yarrangobilly River, downstream of road construction areas	22.84	102.2	8.79	97	63	7.95	88	1.87	Sunny day, very clear water, constant flow, no odour, low level of water	Low turbidity is consistent with beckground conditions during sampling for this location.
3/11/2024, 2:30 pm	EPL15	Yarrangobiliy River, downstream of road construction areas	21.2	105.4	9.36	96	62	7.93	91	1.28	Sunny day, very clear water, constant flow, no odour, low level of water	Low turbidity is consistent with historical ranges for this location.
3/11/2024, 3:31 pm	EPL16	Yarrangobiliy River, downstream of road construction areas	22.54	94.2	8.15	107	70	7.89	89	4.9	Sunny day, very clear water, constantly flow, no odour, a bit turbulent	All readings are within WQO limits.
4/11/2024, 12:27 pm	EPL24	Yarrangobiliy River tributary (Watercourse 2), directly downstream of road	14.58	66.3	6.74	655	419	6.58	72	o	Sunny day, dear water, slow flow, no smell	Low DO and high EC align with the historical ranges. Probe due for replacement.
1/11/2024, 1:33 pm	EPL26	Eucumbere Niver downstream of Marica Road	15.16	92.7	9.3	37	24	6.83	164	o	Sunny day, dear water, no odour, slow flow, low level of water	Low turbidity within historical ranges. Probe due for replacement.
1/11/2024, 1:26 pm	EPL27	Eucumbene River upstream of Marica Road	16.44	77	7.52	48	31	6.61	165	o	Sunny day, clear water, no odour, slow flow, low level of water	This location is upstream of works and is therefore representative of background conditions. Probe due for replacement.
2/11/2024, 10:04 em	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	12.86	80.6	8.52	29	19	6.09	186	2.9	Sunny day, clear water, no odour, slow flow	Low DO, EC, and pH are generally consistent with background conditions and are within historical ranges.
2/11/2024, 9:41 am	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	12.97	81	8.54	25	16	6.24	178	2.4	Sunny day, clear water, no odour, slow flow	Low DO, EC and pH are generally consistent with bedground conditions and are within historical ranges.
2/11/2024, 8:58 am	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	14.36	91.4	9.34	24	15	6.5	158	4.2	Sunny day, clear water, no odour, slow flow	Low EC aligns with historical data for November.
2/11/2024, 8:19 sm	EPL34	Nunger Creek, upstream of Tentengers Roed	13.2	99.1	10.39	м	22	7.85	109	1.3	Sunny day, dear water, no odour, slow flow	This location is upstream of works and is therefore representative of background conditions.
2/11/2024, 8:24 am	EPL35	Nungar Creek, downstream of Tantangara Road	12.72	99.7	10.57	22	14	7.48	112	0.2	Sunny day, clear water, no odour, slow flow	Low EC is consistent with background conditions. Low DO is being monitored to ensure variance is attributed to natural fluctuations.
9/11/2024, 11:01 em	EPL36	Cemerons Creek, upstream of works In Rock Forest	15.03	82.8	8.34	61	40	6.95	85	69.3	Sunny, Slight flow in creek, Clear water	This location is upstream of works and is therefore representative of background conditions.
9/11/2024, 10:36 am	EPL37	Camerons Creek, downstream of works in Rock Forest	16.75	85.7	8.33	75	49	7.24	60	57.8	Sunny, Slight flow in creek, Clear water	Low DO is within the historical range and is consistent with bedground conditions for this location.
5/11/2024, 12:03 pm	EPLS2	GF01 leachate beain	21.2	90.6	8.02	965	618	8.47	-10	96.B	sunny day, turbid water, no odour	High pH, Turbidity and EC are due to runoff accumulating in the acdiment basin. Water was taken for treatment at the process water treatment plant or re-use where parameters were met.
	EPL53	GF01 surface water upstream east		-	-		-	-	-	-	•	Dry site, no flow
-	EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-	•	Dry site, no flow
5/11/2024, 11:55 em	EPL55	GF01 surface water downstream	-	-	-	-	-	-	-	-	This location is dry and it's not a representation for sampling	Dry site, no flow
16/11/2024, 11:15 am	EPL66	Tantangara Leachate basin downstream east from Tantangara emplecement area	19.48	69.8	6.41	24	16	7.38	158	6.3	sunny day, dear water, no odour	Low EC is within the historical range and is consistent with bedground conditions for this location.
16/11/2024, 10:57 em	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	18.16	78.8	7.44	22	14	7.41	155	4	sunny day, dear water, no odour, contantly flowing	Low EC is within the historical range and is consistent with background conditions for this location for November 2024.
1/11/2024, 11:12 em	EPL71	Surface water downstream of Marica emplacement	12.93	65.4	6.9	71	46	6.29	271	20.4	sunny day, turbid water, no odour, small flow, low level of water, constantly flow	Low DO and pH are within the historical range and are consistent with background conditions for this location for November 2024.
4/11/2024, 2:38 pm	EPLBA	FS basin	23.4	162.8	13.8	1530	982	8.3	57	1000	Sunny dey, turbid water, no odour	High pH, EC, NTU and DO due to runoff accumulating in the sediment basin. Water was taken for treatment at the process water treatment plant or re-use where parameters where met.
4/11/2024, 2:48 pm	PUS	MY07 Bealn	21.77	64.8	5.68	635	46	10.45	-2	93.9	Sumny day, turbid water, no odour	High EC, pH, and turbidity with low DO are due to runoff ecountisting in the sediment basin. Water was taken for treatment at the process water treatment plant or re-use where parameters where met.
4/11/2024, 3:07 pm	EPL86	LHOOL Basin	22.18	90.2	7.83	1250	802	7.92	62	126	Sunny dey, turbid water, no odour	High EC and pH are due to runoff accumulating in the sediment basin. Water was taken for treatment at the process water treatment plant or re-use where parameters where met.





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Table 2 - Reservoir Water	r Quality Data					Water Quality	v Objectives (see p	ote 2)				
Talbingo and Tantangara			Temp ('C)	DO (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	90-110	-	20-30		6.5-8.0		1-20		
Date and Time	EPL Site ID	Location Description	Temp (*C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
3/11/2024, 8:39 em	EPL10	Tabingo Reservoir, downstream of road works and upstream of water intake point	19.15	93.6	8.66	78	51	7.44	105	15	Clear, no odours, no algal bloom	Low Turbidity is generally consistent with the baseline data for this location. EC is consistent with beckground conditions in the Yerrangobilly River for November 2024.
3/11/2024, 8:28 em	EPL11	Tabingo Reservoir, downstream of outlet	18.97	88.1	8.18	70	45	6.74	135	13	Clear, no odours, no sigal growth	Low DO Is being monitored to ensure variance is attributed to natural fluctuations. EC is consistent with background conditions in the Yarrangobilly River for November 2024.
26/11/2024, 8:06 am	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	19.5	88.2	8.09	25.8	19	9.51	144.4	7.67	Overcast, slight breaze. Water level at 0.6m, turbid with sediment stimed up; organic materia and algae present; no odour or oily sheen.	Elevated pH levels, likely resulting from decreased water levels and I increased organic matter, were observed. These locations will be doesly monitored during the next sampling round. Low DO remains with the historical data.
26/11/2024, 8:42 em	EPL29	Tentangara Reservoir, downstream of works area and upstream of lower Munumbidgee River	20.3	94	8.5	22	16	9.69	208.2	4.33	Overcest, windy. Water level at 14.2m, choppy; organic material present; no odour or olly sheen.	Elevated pH levels, likely resulting from decreased water levels and increased organic matter, were observed. These locations will be closely monitored during the next sampling round.
26/11/2024, 8:37 em	EPL32	Tantangara Reservoir, Tantangara Intaka. Downstream of construction works	20.4	93.7	8.46	22.1	16	30.11	182.2	4.38	Cloudy, wind picking up. Water level at 11.5m; choppy; organic meterial present; no odour or oily sheen.	Elevated pH levels, likely resulting from decreased water levels and increased organic matter, were observed. These locations will be closely monitored during the next sampling round.
16/11/2024, 12:20 pm	EPL38	Tentangers Reservoir, veriable location dependent on tide and reservoir levels. Between the employment area and the ancillary facilities for employement activities	19.01	89	8.25	25	16	6.59	190	8.6	Sunny day, vary clear water, no odour	Low DO remains with the historical data.
16/11/2024, 10:51 am	EPL39	Confluence of Nunger Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	18.56	74	6.92	26	17	7.25	155	3.9	Sunny day, clear water, no odour, high flow	Low DO and EC are consistent with background conditions and low reservoir water levels for November 2024.
4/11/2024, 12:20 pm	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	14.9	95.5	9.65	20	16	7.6	168	3.95	Overcest, windy. Water, fast flowing, relatively clear with organic material present; no odour or oily sheen.	All readings are within WQO limits.
26/11/2024, 8:52 em	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	20.3	94.5	854	23.1	17	9.8	197.6	4.39	Cloudy, windy. Water level at 4.6m, choppy; organic material present; no odour or olly sheen	Elevated pH levels, likely resulting from decreased water levels and Increased organic matter, were observed.
26/11/2024, 8:47 am	8PL 51	Tantangara Reservolr, downstream of Tantangara STP/PWTP diffuser outlet	20.3	94	8.49	22.1	16	9.83	194.8	4.24	Cloudy, windy. Water level at 12.7m; choppy; organic material and algae present; no odour o olly sheen.	<ul> <li>Elevated pH levels, likely resulting from decreased water levels and increased organic matter, were observed.</li> </ul>
				· · · · · · · · · · · · · · · · · · ·		Weter Ouella	v Objectives (see no	ate 10	•			
Table 3 - Treated Water ( Tableap	Quality Data		Temp ("C)	DO (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH pH	Redox (mV)	Turbidity (NTU)		
						700		6.5-8.0	-	25		
Date and Time	EPL Site ID	Location Description	Temp ("C)	DO (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	oH	Redox (mV)	Turbidity (NTU)	field Comments	Context
17/11/2024, 9:33 am	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	24.32	80.5	6.73	24	16	8.72	118	4.7	Clear, no odour, plant running prior to sample	pH readings will be closely monitored.
						•	•					
Table 4 - Treated Water C Tantangara	Duality Data		Town Oak	DO (N)	0.0101	Water Quality EC (uS/cm)	y Objectives (see no		Redox (mV)	Turbidity (NTU)	-	
Tantangard			Temp ("C)		DO (mg/L)	80 (µS/cm) 200	TDS (mg/L)	6.5 - 8.0	Redox (mV)	Turbidity (NTU) 25	-	
Desta and The	100 CT- 10	Location Decodering	T	DO DO	P.O.Inc. B.		The local C		Redex Ind."			Product.
Date and Time	EPL Site ID	Location Description	Temp (°C)	DO (N)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
27/11/2024, 1:34 pm	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	18.9	88.7	8.25	158.4	117	8.98	223.6	9.48	Water clear; no odour or ofly sheen.	pH readings will be closely monitored.





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Table 5 - Groundwater Quality Data

GF01 Surface Water and			Temp (°C)	DO (N)	DO (mg/L)		TDS (mg/L)		Redex (mV)	Turbidity (NTU)		
Date and Time 4/11/2024, 10:30 am	EPL Ste ID EPL1	Location Description Wellace Creek Bridge	Temp (*C) 16.03	41.4	00 (mg/L) 4.08	8C (µS/cm) 460	TDS (mg/L) 299	pH 6.68	Redox (mV) -31	Turbidity (NTU) 20.1	Field Comments SWL-3.71m, turbid water, organic material smell	Context Elevated EC is within the historical range for this location.
4/11/2024, 10:42 am	EPL2	Wallace Creek Bridge	18.07	35.9	3.39	519	533	7.55	-122	387	SWL-3.64 m, sunny day, sediment employement in the bottom, stinky odour, turbid water	Elevated EC is within the historical range for this location.
17/11/2024, 9:24 am	EPL4	Portal Access	17.77	11.5	1.09	1320	842	7.16	-110	1000	SWL 2.70m Cloudy day Borehole under submerged water mud from previous rain events. Turbidity greater than 1000 NTU. HORIBA MAX OUT.	Elevated EC is within the historical range for this location.
4/11/2024, 10:09 em	EPL25	Portal Access	16.45	15.4	15	502	321	6.31	-3	96.8	SWL- 3.71 m, sunny day, turbid water, organic material smell	Elevated EC and low pH is within the historical range for this location
5/11/2024, 10:48 am	EPL56	GF01 groundwater upstream east	16.44	29.2	2.86	287	186	8.02	59	65.7	SWL- 10.5 m, sunny day, turbid water, no odour	Marginal pH exceedence.
5/11/2024, 11:05 em	EPL57	GF01 groundwater upstream west	18.83	41.9	3.94	269	175	8.2	61	80.2	SWL- 15.07 m, sunny dey, turbid water, no odour	This location is upstream of works and is therefore representative of background conditions.
5/11/2024, 12:14 pm	EPL58	GF01 groundwater downstream	17.35	17.6	1.69	902	578	6.06	85	20.9	SWL-6.77 m, sunny day, turbid water, no odour	Elevated EC is generally consistent with historical range for this location. Low pH will be monitored.
2/11/2024, 11:52 sm	EPL68	Tantangara groundwater downstream West	13.1	90.2	9.48	9.6	8	6.24	257.4	3.36	Summy, windy, 18 degrees ambient temperature. Water clear with no odour or olly sheen. SWL 4.55m, Depth 9.74m	Low pH and EC are generally consistent with previous results in the last months. These conditions are following expected changes due to altered dimetic conditions.
2/11/2024, 12:11 pm	EPL69	Tantangara groundwater downstream East	13.3	87.7	9.19	19.7	16	6.17	277.9	7.49	Sunny, windy, 18 degrees ambient temperature. Water relatively clear with some sediment present at bottom of sleave; no odour or oily sheen. SWL 2.31m, Depth 6.97m	Low pH and EC are generally consistent with previous results in the last months. These conditions are following expected changes due to altered dimetic conditions.
2/11/2024, 1:06 pm	EPL70	Tantangara groundwater upstream	15.4	63.5	6.35	65	52	6.07	292.1	22.55	Sunny, windy, 18 degrees ambient temperature. Water relatively clear with some sediment p	beorground conditions.
8/11/2024, 11:31 em	EPL 72	Marica groundwater upstream	11.37	40.2	4.39	61	40	6.18	79	188	Cloudy SWL 35.24m Clear water Hydrasleeve In	This location is upstream of works and is therefore representative of background conditions.
8/11/2024, 10:55 em	EPL73	Marica groundwater downstream	11.89	55.8	6.02	72	47	6.67	105	88.3	SWL 13.01m Cloudy Clear water low turbidity Hydrasleeve in	All readings are within WQO limits.
6/11/2024, 2:32 pm	EPL80	LHG groundwater upstream	19.27	22.5	2.07	892	571	6.88	-31	154	SWL- 19.43 m, turbid water, no odour	This location is upstream of works and is therefore representative o background conditions.
6/11/2024, 1:22 pm	EPL81	LHG groundwater downstream	17.98	17.2	1.62	794	508	6.83	-87	225	SWL- 3.49 m, turbid water, no odour	Elevated EC is consistent with background conditions in November 2024.
6/11/2024, 2:48 pm	EPL82	MY groundwater upstream	18.93	17.1	1.3	2640	1690	6.75	-68	120	SWL- 8.40 m, turbid water, no odour	This location is upstream of works and is therefore representative of background conditions.
6/11/2024, 1:40 pm	EPL83	MY groundwater downstream	17.46	39.3	3.76	698	447	7.27	-96	1000	SWL-3.62 m, turbid water, no odour	Elevated pH will be monitored.
6/11/2024, 1:06 pm	EPL87	MY groundwater downstream	16.78	64.9	6.29	442	287	6.44	92	1000	SWL- 3.92 m,turbid water, no odour	Low pH aligned with the historical data for this location in November 1 2024.
6/11/2024, 1:37 pm	EPL88	MY groundwater downstream	18.6	50	4.67	827	529	7.05	-170	5.8	SWL-3.21 m, turbid water, no odour	Elevated EC will be monitored.
6/11/2024, 2:10 pm	EPL80	LHG groundwater downstream	6.69	14.6	1.41	367	239	6.69	-0	128	SWL- 3.14 m, turbid water, no odour	Marginal EC exceedence.
5/11/2024, 12:22 pm	EPL 90	GF01 groundwater downstream	17.75	54.8	3.32	85	55	5.67	93	340	SWL-13.94 m, sunny day, turbid water, no odour	Low pH is not consistent with up gradient conditions or conditions in GPO1 but appears consistent with other downstream wells and will b monitored.
5/11/2024, 12:41 pm	EPL 91	GF01 groundwater downstream	18.47	0	0	250	163	6.46	44	23.9	SWL- 9.27 m, sunny day, turbid water, no odour	pH is marginally low.
5/11/2024, 11:24 am	EPL 92	GF01 groundwater downstream	17.82	47.3	4.48	150	98	7.31	82	229	SWL-14.10 m, sunny day, turbid water, no odour	All readings are within WQO limits.
5/11/2024, 11:31 em	EPL 93	GF01 groundwater downstream	17.42	17.1	1.64	262	170	7.18	62	162	SWL- 14.68 m, sunny day, turbid water, no odour	All readings are within WQO limits.
5/11/2024, 11:46 em	EPL 94	GF01 groundwater downstream	17.02	24.6	2.38	182	118	6.74	-67	84.7	SWL- 13.59 m, sunny dey, turbid weter, no odour	All readings are within WQO limits.
5/11/2024, 12:07 pm	EPL 95	GF01 groundwater downstream	18.08	0.4	0.04	525	336	5.98	81	109	SWL-7.21 m, sunny day, turbid water, no odour	Low pH is not consistent with up gradient conditions or conditions in GPO1 but appears consistent with other downstream wells and will b monitored.
5/11/2024, 11:56 am	EPL 96	GF01 groundwater downstream	18.01	80.6	7.6	1100	703	6.94	5	370	SWL-S.04 m, sunny day, turbid water, no odour	EC is elevated more than other ground and surface weter locations GFG1, inclusive of the lead-ste basin. The top of bore casing is open and may be a contributing factor to elevated levels. This will be doesly motifored and a permanent pump for extraction be set up to this location to exable treatment of water if required.
5/11/2024, 12:33 pm	EPL 97	GF01 groundwater downstream	17.64	0	0	429	279	6.27	86	36.4	SWL- 6.43, sunny day, turbid water, no odour	Elevated EC and low pH will be monitored.
-												

Water Quality Objectives (see note 1)

Note 1: Water Quality Objective values for the Yerrengobility liver and Minor Watercourses refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) that are reported in Tables 3.3.2 and 3.3.3 of ANZECC/ AUMCANZ (2000).

Note 2: Water Quality Objective values for Taibingo Reservoir are the default trigger values for physical and chemical stressors in south-east Australia (freshwater lakes and reservoirs) that are reported in Tables 3.3.2 and 3.3.3 of ANZECC/ AIMCANZ (2000).

Note 3: Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.

Note 4: Water Quality Objective values for groundwater reference the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for pH and electrical conductivity.





## **APPENDIX C – LABORATORY RESULTS TABLES**

## **JUNE 2024**

		Sn	owy Hydro 2.0 Main Works																							
1	Monthly EPI	L Sampling: 01-	-30 June 2024 Groundwater																							
				PLS6	PL 57	PLSA	EPL68	EP169	69170	69172	EP173	(PL00	EPL41	EPLA2	(PLA)	PL07	PUA	PUB	671.90	PL 91	691.92	(PLS)	(PLM	PLSS	PUM	691.97
Arabte	Unit																									
	UNIC	Limit of Reporting	Water Quality Objective Value*																							
Physiochemical				4/06/2024	4/06/2024	4/06/2024	16/06/2024	16/06/2024	16/06/2024	2/06/2024	2/06/2024	7/06/2024	7/06/2024	7/06/2024	7/06/2024	7/06/2024	7/06/2024	7/06/2024	4/06/2024	4/06/2024	4/06/2024	4/06/2024	4/06/2024	4/06/2024	4/06/2024	4/06/2024
High	pH Unit	-	6.5-8	7.43	7.92	6.26	5.8	6.2	6.3	6.97	7.79	7	6.92	6.83	7.03	7.05	7.03	6.93	6.49	6.85	6.9	7.09	6.72	6.28	7.06	7.04
Electrical Conductivity	ptS/cm	-	30-350	179	158	504	10.9	143	45.4	32	44	413	402	1680	485	274	485	177	196	163	46	167	112	340	188	245
Oxidation Reduction Potential	reV.	-	No Water Quality Objective Value	165	162	191	10.9	143	45.4	211	256	6	-24	-16	-60	57	-60	179	185	98	206	19	88	176	152	91
Temperature	*C	-	No Water Quality Objective Value	12.84	13.05	14.93	10.5	9.8	10.4	8.94	1.25	15.38	14,81	15.55	15.84	14.92	15.84	15.55	13.54	14.49	12.83	12.88	13.39	13.82	13.92	14.07
Disastered Oxygen	% estuation	-	No Water Quality Objective Value	30.7	24.6	36.4	80.9	70.7	70.6	8.36	99.7	95.6	18.8	91.2	25.8	15.5	25.8	29.7	65.5	32.1	65.1	52.3	33.9	52.3	40.9	30.2
Turbidity	NTU		No Water Quality Objective Value	19.1	71.5	5.5	12.1	22.6	106	37.1	18.9	63.7	241	52.4	7.6	44.7	7.6	107	241	50.8	49	158	89.1	12	510	95.2
Laboratory analytes	-		No Water Quality Objective Value																							
TSS	mg/L	5		94	6	4	26	162	122	218	79	38	264	38	93	38	12	699	442	52	119	216	240	8	374	126
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	116	138	207	<1	2	26	13	20	312	314	1,140	264	309	120	52	21	125	29	132	83	169	85	112
Nutrients																										
Ammonia as N	FEA.	5	13	30	<10	110	<10	20	<30	<10	40	40	50	110	30	10	190	<10	60	50	30	70	300	30	<10	20
Nitrite + Nitrate as N (Nox)	FEA.	30	15	140	30	37900	720	120	\$50	20	40	30	20	<10	8060	1800	30	80	460	10	200	<0.01	<0.01	24500	430	<10
Kjeldahi Nitrogen Total	FEA.	30	No Water Quality Objective Value	<100	<100	9600	200	200	<1000	<100	<100	200	300	200	1800	300	300	300	200	200	<100	400	400	3100	400	200
Nitrogen (Total)	FEA.	30	250	300	<100	47400	900	300	<1000	<100	<100	200	300	200	9900	2100	300	400	700	200	200	400	400	27600	800	200
Reactive Phosphorus	FEA.	1	15	1	4	\$	3	6	25	17	26	3	4	<1	2	3	30	4	15	18	8	31	7	11	6	12
Phosphorus (Total)	PEA.	5	20	100	20	10	<10	40	260	70	80	100	250	<10	90	20	30	200	140	60	20	440	150	60	290	110
Inorganica																										
Cyanide Total	PEA.	4	4	-08	40	-44	-08	-44	-08	-01	-05	-01	-	-06		-05	4	<4	40	<4	-06	4	-06	-01	- 46	-ot
Hydrocarbone																										
Off and Grease	mg/L	5	5	<1	4	<d th=""  <=""><th>&lt;1</th><th><d th=""  <=""><th>&lt;4</th><th>- 4</th><th>4</th><th>4</th><th>4</th><th><d th=""  <=""><th></th><th><d th=""  <=""><th>4</th><th></th><th>4</th><th><d th=""  <=""><th>&lt;4</th><th>4</th><th>&lt;1</th><th>4</th><th></th><th>4</th></d></th></d></th></d></th></d></th></d>	<1	<d th=""  <=""><th>&lt;4</th><th>- 4</th><th>4</th><th>4</th><th>4</th><th><d th=""  <=""><th></th><th><d th=""  <=""><th>4</th><th></th><th>4</th><th><d th=""  <=""><th>&lt;4</th><th>4</th><th>&lt;1</th><th>4</th><th></th><th>4</th></d></th></d></th></d></th></d>	<4	- 4	4	4	4	<d th=""  <=""><th></th><th><d th=""  <=""><th>4</th><th></th><th>4</th><th><d th=""  <=""><th>&lt;4</th><th>4</th><th>&lt;1</th><th>4</th><th></th><th>4</th></d></th></d></th></d>		<d th=""  <=""><th>4</th><th></th><th>4</th><th><d th=""  <=""><th>&lt;4</th><th>4</th><th>&lt;1</th><th>4</th><th></th><th>4</th></d></th></d>	4		4	<d th=""  <=""><th>&lt;4</th><th>4</th><th>&lt;1</th><th>4</th><th></th><th>4</th></d>	<4	4	<1	4		4
Metgia																										
Aluminium (dissolved)	FEA.	5	27	6	4	6	8	57	6	9	6	4	0	4	6	4	4	6	4	6	4	4	6	6	6	6
Aluminium (total)	HEA.	5	No Water Quality Objective Value	2600	262	111	471	2090	1830																-	
Arsenic [discolved]	Fg/L	1	0.8	1.1	<0.2	0.2	402	<1.2	e B	0.2	40.2	2.4	2	2.7	1.9	<0.2	9.2	<0.2	<0.2	0.4	0.2	19.7	0.8	1.6	0.2	1.1
Arsenic (total)	HEA.	1	No Water Quality Objective Value	2.4	<0.2	0.2	402	0.6	0.2	-				-				-								
Chronibure (IE+VI) (dissolved)	HEA.	1	0.01	<0.2	<0.2	6.2	402	<1.2	93 1	<0.2	40.2	<0.2	40.2	<0.2	0.5	0.4	<0.2	<0.2	<0.2	<0.2	402	40.2	40.2	0.5	16	<0.2
Chronelum (III-VI) (total)	Fg/L	1	No Water Quality Objective Value	64	0.9	6.7	0.4	2.2	1.1					-				-								
Copper (dissolved)	Pg/L	1	1	<0.5	1	1	2.7	<0.5	1.8	1	<0.5	0.9	0.7	<0.5	2.9	-0.5	-0.5	3.2	1	<0.5	<0.5	40.5	<0.5	75.4	-0.5	<0.5
Copper (total)	Pg/L	1	No Water Quality Objective Value	22.8	8.4	1.6	6.2	3.6	7.3	-	-	-		-				-	-		-		-	-	-	-
iron (dissolved)	PgA.	50	300		4	4	6	80	4	4	4	4	4	620	4	4	9	2	4	4	4	4	4	2	4	2
iron (total)	PgA.	50	No Water Quality Objective Value	3310	352	88	218	1580	1180	-	-	-		-				-	-		-		-	-	-	-
Lead (dissolved)	PgA.	1	1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	40.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.8	<0.1	<0.1	<0.1	<0.1	0.1
Lead (total)	F&A.	1	No Water Quality Objective Value		1.1	3.2	0.1	1.3	0.8	-	-	-		-				-	-					-	-	-
Marganese (dissolved)	FEA.	5	1,200	6.8	1.7	15.3	1.8	0.7	2	8.2	22.6	172	183	309	75.7	150	142	19.6	37	638	302	342	665	603	25.3	291
Marganese (total)	F&A.	5	No Water Quality Objective Value	311	17.5	17.7	12.8	9.23	29.9	-	-	-		-		-		-	-		-		-		-	
Nickel (dissolved)	PEA.	1	8	<0.5	40.5	2.8	16	<0.5	0.8	1.2	40.5	167	3.1	1.2	16.8	2.4	7.7	12	5.2	1.1	6	14	2.3	15.6	2.1	1.6
Nickel (total)	PEA.	1	No Water Quality Objective Value	8.2	1.1	3.3	2.4	2	1.6	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-
Silver (disclored)	PEA.	5	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	401	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver (total)	PEA.	5	No Water Quality Objective Value	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-
Zinc (dissolved)	FgA.	5	2.4	<1	4	s	а	2	1	7	4	7	1	<4	6	1	16	2	23	2	178	4		32	2	11
			No Water Quality Objective Value	20	30	6	5	6	4																	

Water Quality Objective values for groundwater refer to the default trigger values for physical and chemical streason in south-wat Australia (apland river;) for the protection dPWM dispatch repeiles NREC/ /NMEW2 (2000), they are not pollutant limbs imposed by (PL 23266.
 Sample not applied at this location.





Monthly EPL Sampling:	01 - 30 June 20		owy Hydro 2.0 Main Works and Tantangara Reservoir	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL51
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*										
Field	L Sampling: 01 - 30 June 2024 - Talbingo and Tantange hyte Unit Limit of Reporting Vater Quality of Reporting Vater Quality of 100 Vater Quality (100 Vater Quality			23/6/24	23/6/24	28/6/24	28/6/24	28/6/24	28/6/24	28/6/24	28/6/24	28/6/24	28/6/24
рН	EPL Sampling: 01 - 30 June 2024 - Talbingo and Tantangu           Innelyte         Unit         Limit of Reporting         Water Quality O           statistics         pH Unit         -         6.5           statistics         pH Unit         -         200           duction Potential         mV         -         200           duction Potential         mV         -         No Water Quality           gen         % saturation         -         90-1           NTU         -         1         No Water Quality           Scooled         mg/L         5         No Water Quality           Scooled         mg/L         5         1           N         µg/L         1         No Water Quality           Scooled         mg/L         1         1           N         µg/L         1         1         1           Scooled         mg/L         10         1         1           Sphorus         µg/L         1         3         1           I         µg/L         5         3         1           Scooled         µg/L         5         3         3           Stassoled         µg/L         2		6.5-8	7.52	7.08	7.18	7.36	6.97	7.3	7.12	7.55	7.32	7.34
Electrical Conductivity	µS/cm	-	20-30	0	0	18	19.1	24	18.7	11.23	16	19.3	19.4
Oxidation Reduction Potential	Wm	-	No Water Quality Objective Value	178	216	115.6	166.9	277	180	154.6	90.8	168.4	165.9
Temperature	°C	-	No Water Quality Objective Value	9.38	9.45	5.7	6.1	11.55	5.9	4.2	4.4	6.1	6.1
Dissolved Oxygen	% saturation	-	90-110	89.5	76.6	86.2	84.9	96.5	84.6	86.2	85.4	84.4	84.4
Turbidity	NTU	-	1-20	2	5.3	1.56	1.39	7	148	3.67	199.32	1.39	1.37
Laboratory analytes													
Total suspended solids	mg/L	5	No Water Quality Objective Value	0	0	0	0	0	0	8	4	0	0
Hardness as CaCO <sub>8</sub> (filtered)		1	No Water Quality Objective Value	14	12	9	9	12	9	2	9	9	9
Nutrients													
Ammonia as N	μα/L	3	10	<10	<10	100	140	120	110	10	30	120	120
Nitrite + Nitrate as N (NOx)		10	10	30	30	20	10	50	10	<10	50	40	<10
Kjeldahl Nitrogen Total		10	No Water Quality Objective Value	200	200	300	300	400	300	100	<100	400	300
Nitrogen (Total)		10	350	200	200	300	300	400	300	100	<100	400	300
Reactive Phosphorus		1	3	6	4	5	5	3	3	1	3	3	3
Phosphorus (Total)		3	10	30	20	20	10	<10	20	10	10	30	10
Inorganics													
Cyanide Total	μg/L	4	7	<4	<4	<4	<4	<4	<4	- 4	<4	<4	-04
Hydrocarbons							1			1			
Oil and Grease	mg/L	3	5	d	d	d	4	4	4	d	4	<1	4
Metals					•								
Aluminium (dissolved)	μα/L		35	0	4	14	14	14	14	14	12	13	13
Arsenic (dissolved)			13	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III+VI) (dissolved)			1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (dissolved)		0.5	14	<0.5	-0.5	-0.5	-0.5	-0.5	<0.5	<0.5	-0.5	<0.5	-0.5
Iron (dissolved)		2	300	3	<2	39	40	40	41	40	43	39	41
Lead (dissolved)		_	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (dissolved)		0.5	1,900	0.8	-0.5	-0.5	<0.5	<0.5	<0.5	4	4.8	<0.5	-0.5
Nickel (dissolved)		0.5	11	<0.5	-0.5	-0.5	<0.5	-0.5	<0.5	<0.5	<0.5	<0.5	-0.5
Silver (dissolved)		0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)		1	8	<1	d	d	- 4	d	d	4	d	-1	4
Biological					-	-	-	-	-	-	-	-	-
Facal Coliforms	CFU/100mL	1	10/100^	1	d	d	-	-	-	-	-	-	4
Biochemical Oxygen Demand	mg/L		1/5^	42	4	3	-	-	-	-	-	-	3

Water Quality Objective values for Talibingo and Tantangara Reservoir refer to the default trigger values for physical and chemical stressors in south-east Australia (fresh lakes and reservoirs) for the protection of 95% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

Softh percentile concentration limits / 100 percentile concentration limits
 Sample not required at this location.





		Sno	owy Hydro 2.0 Main Works																											
Mar	athly EDL Care		June 2024 - Surface Water																										1 /	( I
MOL	ILINY EPL San	ipinig. 01 - 50	June 2024 - Surrace Water																										1 /	1
				EPLS	EPL6	EPL6	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	671.30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPLS2	EPL53	DR.SA	EPLSS	EPL66	EPL67	EPL84	EPLAS	EPLEG
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*																											
Field				8/06/24	8/06/24	8/06/24	1/06/24	8/06/24	8/06/24	8/06/24	8/06/24	6/05/24	9/06/24	9/06/24	12/06/24	12/06/24	12/06/24	12/06/24	12/06/24	12/06/24	12/06/24	11/06/24			11/06/24	16/06/24	15/06/24	21/06/24	21/06/24	21/06/24
-			6.5-8	8.25	7.96	7.89	8.43	8.08	7.89	7.85	7.92	7.21	8,49	8.35	7.83	7.94	7.87	7.86	7.82	7.75	7.71	9.01	Dry	Dry	7.98	6.31	7.25	9.82	9.1	8.22
Electrical Conductivity	uS/cm		30-350	68	84	30	58	67	69	30	30	421	30	31	32	35	30	15	18	37	39	731	Dry	Dry	626	15.2	9.9	676	432	903
Oxidation Reduction Potential	mV		No Water Quality Objective Value	199	219	226	183	210	224	228	225	185	157	162	227	179	186	202	188	444	458	216	Dry	Dry	236	213.5	153.7	29	85	131
				9.36	9.32	10.84	8.4	9.45	9.9	10.41	10.6	11.71	8.19	9.06	10.96	11.02	11.7	11.22	10.95	12.6	12.27	7.74	Dry	Dry	10.02	7.2	3.8	11.97	10.86	10.84
Temperature	*C	-	No Water Quality Objective Value	_					_																					
Dissolved Oxygen	% saturation	-	90-110	118.1	89.8	93.4	93.4	100.9	98.2	102.3	96.3	68.8	100.2	106.6	96.8	102.7	101.3	99.A	100.2	93.8	94.4	38.6	Dry	Dry	63.7	89.3	3.38	117.9	95.6	97.5
Turbidity	NTU	-	2-25	3.2	3.4	3.4	37.5	3.1	3	7.1	3.6	7.7	0.3	22.6	24.5	20.7	0	9.4	15.5	15	17.5	50.7	Dry	Dry	16.00	3.74	6.08	50	75.5	19.7
Laboratory analytes																														
755	mg/L	5	No Water Quality Objective Value	6	0	4	24	6	20	6	4	64	0	0	16	12	6	16	17	12	м	20	Dry	Dry	6	4	\$	267	24	6
Hardness as CeCO3	mg/L	1	No Water Quality Objective Value	48	61	51	29	48	- 4	53	51	139	12	12	13	9	9	<1	<1	13	13	150	Dry	Dry	153	9	- 4	21	76	342
Nutrients																														
Ammonia as N	HE/L	5	13	<10	<30	<10	<10	<10	<30	<10	<10	10	30	<10	<10	<10	120	20	30	10	20	2040	Dry	Dry	210	90	<10	990	40	<10
Nitrite + Nitrate as N (NOx)	Hg/L	10	15	10	<10	10	<10	<10	<30	<10	<30	23000	60	<10	40	<10	20	10	20	50	60	31700	Dry	Dry	25500	40	<10	15300	6730	11100
Reidshi Nitrogen Total	HE/L	10	No Water Quality Objective Value	300	<100	300	500	<100	<100	<100	100	2800	100	<100	300	300	400	300	300	800	900	8000	Dry	Dry	6000	500	200	11900	1100	3000
Nitrogen (Total)	Hg/L	10	250	300	<100	<100	500	<100	<100	<100	<100	25800	200	<100	300	300	400	300	300	800	3000	29700	Dry	Dry	34800	500	200	27200	7800	34300
Reactive Phosphorus	HUL	1	15	6	6	5	6	5	5	4	4	2	5	7	5	7	<1	<1	<1	1	1	8	Dry	Dry	6	4	4	14	2	6
Phosphorus (Total)	HE/L	5	20	<10	<30	<10	90	<10	<30	<10	<10	<10	<10	<10	60	140	30	40	40	80	110	70	Dry	Dry	50	10	10	730	50	20
Inorganica																														
Cyanide Total	HØ/L	4	4	- 0	- 01	- 04	4	- 4	- 0	- 0	- 24	- 01				- 4					- 24	- 24	Dry	Dry			0	- 0	0	0
Hydrocarbona																											_			
Of and Grease	mg/L	5	5	<1	<1	<1	<1	- 41	- 41	<1	- 4	<1	<1	<1	<1 -	<1	- <1	<1	<1 -		<1 -	- 4	Dry	Dry	<1 -	- 4	4	<1	<1	- 4
Metala																														
Aluminium (dissolved)	HE/L	5	27	- 6	6	4	70	4	4	6	4	4	6	5	61	63	23	41	40	133	137	7	Dry	Dry	4	22	25	19	12	- 6
Aluminium (total)	HØ/L	5	No Water Quality Objective Value				-	-		-		-						-		-		1030	Dry	Dry	240	71	357	-	-	-
Arsenic (dissolved)	HE/L	1	0.8	0.4	0.2	0.4	0.3	0.4	0.4	0.4	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	0.4	0.5	2.4	Dry	Dry	0.3	<0.2	<0.2	3.9	4.6	2.2
Americ (total)	HE/L	1	No Water Quality Objective Value							-								-				2.8	Dry	Dry	0.4	0.2	-02		-	
Chromium (II+VI) (dissolved)	HE/L	1	0.01	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.6	0.2	0.2	0.2	0.2	<0.2	<0.2	<0.2	0.4	0.4	45.6	Dry	Dry	11	<0.2	40.2	64.6	16	2.4
Chromium (III+VI) (total)	HEAL	1	No Water Quality Objective Value																			49.3	Dry	Dry	11.7	<0.2	0.4	-	-	
Copper (dissolved)	Hg/L	1	1	40.5	40.5	40.5	40.5	40.5	<0.5	40.5	40.5	40.5	<0.5	<0.5	-0.5	1	0.6	<0.5	<0.5	0.8	1	13	Dry	Dry	0.8	<0.5	-0.5	2.7	0.7	1.7
Copper (total)	HE/L	1	No Water Quality Objective Value				-			-								-				2.8	Dry	Dry	1.1	<0.5	40.5		-	-
Iron (dissolved)	HE/L	50	300	12	8	12	143	11	30	11	12	- 2	34	30	85	81	114	68	68	292	294	- 2	Dry	Dry	-2	126	55	6	-2	-2
Iron (total)	HE/L	50	No Water Quality Objective Value							-								-				1090	Dry	Dry	163	280	265			
Lead (dissolved)	HE/L	1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Dry	Dry	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (total)	HEAL	1	No Water Quality Objective Value																			2.8	Dry	Dry	0.4	<0.1	0.1	-	-	
Manganese (dissolved)	HE/L	5	1,200	0.8	3.3	1	4.9	0.6	<0.5	0.8	1.7	198	1.8	0.6	1.1	2.8	<0.5	5.7	5.5	6.8	8	<0.5	Dry	Dry	1.6	<0.5	5.2	-0.5	<0.5	16.8
Manganese (total)	Hg/L	5	No Water Quality Objective Value				-			-								-		-		33.9	Dry	Dry	4.8	44.9	11.8		-	-
Nichel (dissolved)	HE/L	1	•	<0.5	<0.5	-0.5	-0.5	-0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	-0.5	<0.5	<0.5	0.5	<0.5	0.9	1	Dry	Dry	0.5	<0.5	-0.5	0.8	<0.5	1.1
Nickel (total)	HE/L	1	No Water Quality Objective Value				-			-		-		-			-	-				3.8	Dry	Dry	0.9	40.5	-05	-	<u> </u>	-
Silver (discolved)	HE/L	5	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.23	0.03	<0.01	0.02	<0.01	<0.01	<0.01	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver (total)	HE/L	5	No Water Quality Objective Value				-			-		-		-			-	-	-			<0.02	Dry	Dry	<0.02	<0.01	<0.01	-	<u> </u>	-
Zinc (dissolved)	Hg/L	5	2.4	<1	- 4	<1	<1	<1	- 4	<1	- 4	5	<1 -	<1	2	1	1	4	4	3	4	1	Dry	Dry	1	<1	- 4	1	<1	6
Zinc (total)	Hg/L	5	No Water Quality Objective Value				-			-		-						-		-		9	Dry	Dry	1		- 4	-	-	- 1

\* Water Quality Objective values for surface water refer to the default trigger values for physical and chemical stressons in south-east Australia (upland rivers) for the protections of VPA-Let quality capacity acides AVECC/ AVMCANC (DODD), they are not poll/dust limits imposed by EPI, 12356.





#### Snowy Hydro 2.0 Main Works

EPL 41

EPL 43

EPL 44

EPL 45

EPL 47

EPL 48

0.0729

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EPL 49

0.1081

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EPL 50

12/06/2024

6.75

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366 8.24

91

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80 400

500

<1

70

<4

<1

<5 <0.2

<0.2

<0.5

<2

<0.1

<0.5

0.04

2

<1

<2

### Monthly EPL Sampling: 01 - 30 June 2024 - Treated Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*					
Flow Rate				12/06/2024				
Inflow	ML/day	-	-	-	0.0120	0.4283	0.0557	0.1439
Outflow	ML/day	-	4.32 (EPL 43 / 50)	-	-	-	-	-
Field								
рн	pH Unit	-	6.5-8.5	7.57	-	-	-	-
Electrical Conductivity	μS/cm	-	700 (EPL 41) / 200 (EPL 50)	25	-	-		-
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	229	-	-	-	-
Temperature	°C	-	15	13.72	-	-	-	-
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	73.5	-	-		-
Turbidity	NTU	-	<25	20.8	-	-	-	-
Laboratory analytes								
Total suspended solids	mg/L	5	5/10	0	-	-	-	-
Hardness as CaCO <sub>2</sub> (filtered)	mg/L	1	No Water Quality Objective Value	d	-	-	-	-
Nutrients								
Ammonia as N	μg/L	5	200/2000*	30	-	-	-	-
Kjeldahi Nitrogen Total	μg/L	10	No Water Quality Objective Value	200	-	-	-	-
Nitrogen (Total)	μg/L	10	350/-^	300	-	-	-	-
Reactive Phosphorus	μg/L	1	No Water Quality Objective Value	3	-	-	-	-
Phosphorus (Total)	μg/L	5	100/300*	<10	-	-	-	-
Inorganics								
Cyanide Total	μg/L	4	No Water Quality Objective Value	<4	-	-	-	-
Hydrocarbons								
Oil and Grease	mg/L	5	2/3^	d.	-	-	-	-
Metals								
Aluminium (dissolved)	μg/L	5	55	0	-		-	-
Arsenic (dissolved)	μg/L	0.2	13	1.8	-	-	-	-
Chromium (III+VI) (dissolved)	μg/L	0.2	1	0.2	-	-	-	-
Copper (dissolved)	μg/L	0.5	14	<0.5	-	-	-	-
Iron (dissolved)	μg/L	2	300	<2	-	-	-	-
Lead (dissolved)	μg/L	0.1	3.4	<0.1	-	-	-	-
Manganese (dissolved)	μg/L	0.5	1,900	<0.5	-	-	-	-
Nickel (dissolved)	μg/L	0.5	11	<0.5	-	-	-	-
Silver (dissolved)	μg/L	0.01	0.05	<0.01	-	-	-	-
Zinc (dissolved)	μg/L	1	8	- <b>d</b>	-	-	-	-
Biological								
Faecal Coliforms	CFU/100mL	1	10/100^	<0.02	-	-	-	-
Biological Oxygen Demand	mg/L	0	5	<2	-	-	-	-

Note: Treated water was not being discharged at Talbingo ot Tantangara Reservoirs at the time of EPL sampling.

There is no 100th percentile limit for Nitrogen (Total).

\* Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.

Samples not required

^ 90 Percentile concentration limit/100 Percentile limit

Inflows to STP and CWTP do not directly correspond to outflow at RO as much of the water is reused on site





#### Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01 - 30 May 2024 - Treated Water

Date         (()           1/06/2024         -           2/06/2024         0.1           3/06/2024         -           4/06/2024         -           5/06/2024         -           6/06/2024         -		- L
2/06/2024         0.1           3/06/2024         -           4/06/2024         -           5/06/2024         -           6/06/2024         -           7/06/2024         0.2           8/06/2024         -           10/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           12/06/2024         -           21/06/2024         -           21/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -	Date	Dische (M
1/06/2024         3/06/2024         5/06/2024         5/06/2024         6/06/2024         7/06/2024         9/06/2024         10/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         12/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         11/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         12/06/2024         <	1/06/2024	
4/06/2024         5/06/2024         6/06/2024         7/06/2024         9/06/2024         10/06/2024         11/06/2024         12/06/2024         12/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024	2/06/2024	0.11
1/06/2024         5/06/2024         6/06/2024         7/06/2024         9/06/2024         9/06/2024         10/06/2024         11/06/2024         12/06/2024         12/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024         22/06/2024	3/06/2024	- 1
6/06/2024         -           7/06/2024         0.2'           8/06/2024         -           9/06/2024         -           10/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           20/06/2024         -           21/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -           22/06/2024         -	4/06/2024	
7/06/2024     0.2       8/06/2024     -       9/06/2024     -       10/06/2024     -       11/06/2024     -       11/06/2024     -       13/06/2024     -       14/06/2024     -       15/06/2024     -       15/06/2024     -       11/06/2024     -	5/06/2024	- 1
1/00       -         8/06/2024       -         10/06/2024       -         11/06/2024       -         12/06/2024       -         13/06/2024       -         13/06/2024       -         14/06/2024       -         15/06/2024       -         15/06/2024       -         16/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         12/06/2024       -         12/06/2024       -         21/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -     <	6/06/2024	
9/06/2024       -         10/06/2024       -         11/06/2024       -         12/06/2024       -         13/06/2024       -         14/06/2024       -         15/06/2024       -         15/06/2024       -         16/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         12/06/2024       -         21/06/2024       -         21/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -	7/06/2024	0.25
10/06/2024         -           11/06/2024         -           12/06/2024         -           13/06/2024         -           13/06/2024         -           15/06/2024         -           15/06/2024         -           15/06/2024         -           15/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           11/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           25/06/2024         -           25/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         -           21/06/2024         - <td>8/06/2024</td> <td></td>	8/06/2024	
11/06/2024       -         12/06/2024       -         13/06/2024       -         14/06/2024       -         15/06/2024       -         16/06/2024       -         18/06/2024       -         18/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         11/06/2024       -         21/06/2024       -         21/06/2024       -         21/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         22/06/2024       -         29/06/2024       - <td>9/06/2024</td> <td>-</td>	9/06/2024	-
12/06/2024     -       13/06/2024     -       14/06/2024     -       15/06/2024     -       16/06/2024     -       11/06/2024     -       11/06/2024     -       11/06/2024     -       11/06/2024     -       11/06/2024     -       11/06/2024     -       11/06/2024     -       11/06/2024     -       20/06/2024     -       21/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -	10/06/2024	-
13/06/2024     -       14/06/2024     -       15/06/2024     -       16/06/2024     -       17/06/2024     -       18/06/2024     -       19/06/2024     -       20/06/2024     -       21/06/2024     -       22/06/2024     -       23/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -	11/06/2024	-
14/06/2024     -       15/06/2024     -       16/06/2024     -       17/06/2024     -       18/06/2024     -       20/06/2024     -       21/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -	12/06/2024	-
15/06/2024     -       16/06/2024     -       17/06/2024     -       18/06/2024     -       19/06/2024     -       20/06/2024     -       21/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       25/06/2024     -       25/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -       22/06/2024     -	13/06/2024	
16/06/2024     -       17/06/2024     -       18/06/2024     -       19/06/2024     -       20/06/2024     -       21/06/2024     -       22/06/2024     -       23/06/2024     -       24/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       22/06/2024     -       25/06/2024     -       25/06/2024     -       27/06/2024     -       28/06/2024     -       28/06/2024     -       28/06/2024     -	14/06/2024	-
17/06/2024  18/06/2024  19/06/2024  20/06/2024  21/06/2024  22/06/2024  22/06/2024  23/06/2024  25/06/2024  22/06/202  22/06/202 22/06/202  22/06/202  22/06/202  22/06/202  2	15/06/2024	
18/06/2024         -           19/06/2024         -           20/06/2024         -           21/06/2024         -           21/06/2024         -           22/06/2024         -           23/06/2024         -           24/06/2024         -           25/06/2024         -           25/06/2024         -           25/06/2024         -           25/06/2024         -           25/06/2024         -           27/06/2024         -           28/06/2024         -           28/06/2024         -           29/06/2024         -	16/06/2024	-
19/06/2024     -       20/06/2024     -       21/06/2024     -       22/06/2024     -       23/06/2024     -       24/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       28/06/2024     -       29/06/2024     -	17/06/2024	-
20/06/2024  21/06/2024  22/06/2024  23/06/2024  24/06/2024  25/06/2024  25/06/2024  22/06/202  22/06/202 22/06/202 22/06/202  22/06/202 22/06/202 22/0	18/06/2024	-
21/06/2024     -       22/06/2024     -       23/06/2024     -       24/06/2024     -       25/06/2024     -       25/06/2024     -       25/06/2024     -       27/06/2024     -       28/06/2024     -       28/06/2024     -       28/06/2024     -       29/06/2024     -	19/06/2024	-
22/06/2024 - 23/06/2024 - 24/06/2024 - 25/06/2024 - 26/06/2024 - 22/06/2024 - 28/06/2024 - 28/06/2024 - 28/06/2024 -	20/06/2024	-
23/06/2024 - 24/06/2024 - 25/06/2024 - 26/06/2024 - 27/06/2024 - 28/06/2024 - 28/06/2024 -	21/06/2024	-
24/06/2024     -       25/06/2024     -       26/06/2024     -       27/06/2024     -       28/06/2024     -       29/06/2024     -	22/06/2024	-
25/06/2024 - 26/06/2024 - 27/06/2024 - 28/06/2024 - 29/06/2024 -	23/06/2024	-
25/06/2024 - 25/06/2024 - 27/06/2024 - 28/06/2024 - 29/06/2024 -	24/06/2024	-
27/06/2024 - 28/06/2024 - 29/06/2024 -	25/06/2024	-
28/06/2024 - 28/06/2024 -	26/06/2024	-
29/06/2024 -	27/06/2024	
23/06/2024	28/06/2024	-
30/06/2024 -	29/06/2024	-
	30/06/2024	-

EPL 43 *	EPL 50 ^	
Discharg	e volume	
(Mega	alitres)	
-	-	
0.11	-	
-	-	
-	-	
-	-	
-	-	
0.25	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
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-	-	
-	-	
-	-	
-	-	
-	-	
-	-	

EPL 44	EPL 45	EPL 47	EPL 48	EPL 49
	Discharg	e volume (M	egalitres)	
0.48	0.050	0.20	0.07	0.63
0.34	0.047	0.32	0.13	0.55
0.35	0.050	0.05	0.09	0.42
0.47	0.068	0.21	0.08	0.46
0.11	0.074	0.24	0.09	0.62
0.20	0.057	0.14	0.06	0.42
0.31	0.071	0.19	0.10	0.20
0.32	0.045	0.10	0.10	0.38
0.35	0.053	0.27	0.11	0.63
0.57	0.068	0.04	0.05	0.47
0.27	0.071	0.23	0.11	0.34
0.25	0.052	0.13	0.09	0.52
0.19	0.058	0.17	0.10	0.38
0.22	0.087	0.31	0.10	0.29
0.28	0.069	0.08	0.08	0.42
0.18	0.067	0.17	0.09	0.15
0.18	0.050	0.14	0.09	0.49
0.27	0.048	0.12	0.09	0.35
0.19	0.046	0.15	0.07	0.50
0.09	0.070	0.31	0.09	0.15
0.21	0.057	0.05	0.09	0.47
0.19	0.070	0.13	0.06	0.23
0.27	0.078	0.06	0.05	0.32
0.27	0.058	0.21	0.07	0.46
0.22	0.078	0.10	0.11	0.28
0.38	0.072	0.15	0.06	0.46
0.20	0.072	0.17	0.06	0.39
0.22	0.069	0.15	0.09	0.21
0.13	0.051	0.23	0.11	0.09
0.22	0.057	0.09	0.08	0.13
0.14	0.071	0.16	0.08	0.20

Note: The EPL discharge volume limit for EPL 43 and 50 is 4.32 megalitres per day. Compliance with this criteria was met during the reporting month.

\* The maximum flow rate capacity for Lobs Hole STP/PWTP during the reporting month was 2.89 ML/day.

\* The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 0.0 ML/day

Water not discharged on this day





## **JULY 2024**

#### Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01-31 July 2024 Groundwater EPUS6 691.57 (PLS) EPL68 EP169 EPL70 69172 69173 691.80 (PLI) EPL82 EPL83 6PL 87 PLM EPLE9 EPL 90 BPL 91 **EPL92** EP193 **FRM EPLSS** PU6 EPL97 Analyte Unit Water Qual 2/07/2024 2/07/2024 8 8-21 219 135 148 244 31.49 12.16 27.5 25.4 18.5 158 /07/2024 27/07/2024 2/07/2024 26/07/202 26/07/2024 26/07/202 6.6 6.39 470 269 3/07/2024 6.58 703 6/07/2024 26/07/202 23/07/2024 23/07/202 23/07/202 pH Unit #5/cm pil Bectrical Conductivity 6.5-8 6.7 NV VC Nuturity NTU Oxidation Re Temperature No Water Quality Objective Value No Water Quality Objective Value No Water Quality Objective Value 213.9 178.3 182 14.7 11.6 14.89 34.45 15.6 13.78 14.55 13.48 14.54 11.7 10.8 12.81 mai ective Value me/ 10 -(10 100 100 -10 Ana Ana Ana Ana Ana 1170 100 1300 4110 400 <100 400 <100 400 <100 29800 8000 4430 2829 700 700 15 No Water Quality Objective Value 10 500 500 HAL **Cyaride** Total mg/L 4 1090 0.2 0.4 0.2 14 967 967 967 967 967 967 967 967 967 967 8 1100 < 4 4 < 6 4 43 < 4 4 4 No Water C Americ Idiac Americ Intel Chronikas [8 0.8 No Water Quality Objective Value 42 62 42 <1.2 402 0.4 412 **4**2 1.9 3.1 2.7 2.5 412 11.3 0.2 **4**2 0.2 ŝ 20.8 0.8 14 0.3 0.4 0.3 3.0 0.3 <12 40.2 <0.2 0.4 <12 No Water Qu 2.1 - 403 0.5 4 0.8 No Water Qual 57 iren hetel Lead (disacher Lead (total) <1 <0.1 0.4 14 2.3 44A 44A 44A 44A 44A 44A 20.8 Nickel Ide Nickel Ito Silver Ida 40.5 - 45 1.8 3.4 167 1.4 24 16 40.01 0.04 40.01 40.01 401 40.01 0.02 No Water Quality Objective Value 40.01 40.01 40.01 40.01 0.04 10 2.4 No Water Quality Objective Value 2 6 4 4 13 <4 4 d 15 4

Water Quality Children values for anoundwater refer to the default triaser values for shucical and chemical stresson in south-wat Australia luziond riverch for the protection of PNN of squarks species AVECC / AMMONG (2000), they are not pollutant finite imposed by (FI, 23246. Sample not required within luzation.





Monthly EPL San	Monthly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantangara           Analyte         Unit         Limit of Reporting         Water Quality Objective           nductivity $\mu$ S/Cron         -         6.5-8           nductivity $\mu$ S/Cron         -         0.0 Water Quality Objective           duction Potential         mV         -         No Water Quality Objective           se         °C         -         No Water Quality Objective           ygen         % saturation         -         9.0 Water Quality Objective           ded solids         mg/L         5         No Water Quality Objective           Stess N (NOx)         µg/L         1         No Water Quality Objective           stess N (NOx)         µg/L         10         No Water Quality Objective           stess N (NOx)         µg/L         10         No Water Quality Objective           stess N (NOx)         µg/L         10         No Water Quality Objective           stess N (NOx)         µg/L         10         No Water Quality Objective           stess N (NOx)         µg/L         10         No Water Quality Objective           stes N (NOx)         µg/L         10         No Water Quality Objective           stes N (NOx)         µg/L		Snowy Hydro 2.0 Main Works ngo and Tantangara Reservoir	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL51
Analyte	pet Unit         Limit of Reporting         Water Quality Obje           pet Unit         -         6.5-8           wirty         μg/cm         -         20-30           on Potential         mV         -         No Water Quality Obje           %         -         No Water Quality Obje         -           %         -         -         -         -           %         -         -         -         -           %         -         -         -         -           %         -         -         -         -           %         -         -         -         -           %         -         -         -         -		Water Quality Objective Value*										
Field	nthly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantan           te         Unit         Limit of Reporting         Water Quality O           pH Unit         -         6.5           vity         pS/cm         -         20-           n Potential         mV         -         No Water Quality O           NTU         -         1-3         30-           NTU         -         1-3         30-           NTU         -         1-3         30-           idids         mg/L         5         No Water Quality           (fittered)         mg/L         10         No Water Quality           idids         ng/L         10         10           NNOxi µg/L         10         No Water Quality           idids         ng/L         10         30-           yg/L         10         No Water Quality         30-           ing/L         10         No Water Quality         30-           yg/L         10         35-         11           ing/L         5         55-         12           ing/L         0.2         11         30-           ing/L         0.5         12         30-			17/7/24	17/7/24	30/7/24	31/7/24	31/7/24	30/7/24	30/7/24	30/7/24	30/7/24	30/7/24
pH	prthly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantan,           yte         Unit         Limit of Reporting         Water Quality Of           pH Unit         -         655           inity         µ\$/cm         -         70           inity         µ\$/cm         -         80-1           inity         µ\$/cm         -         80-1           inity         % saturation         -         No Water Quality           is a sturation         -         No Water Quality           is a sturation         -         No Water Quality           is N (NOX)         µ\$         5         10           piftifiered)         m\$         1         No Water Quality           is N (NOX)         µ\$         10         No Water Quality           is N (NOX)         µ\$         10         10           is N (NOX)         µ\$         10         10           is N (NOX)         µ\$         10         10           is N (NOX)         µ\$         10         No Water Quality           is N (NOX)         µ\$         10         10           is N (NOX)         µ\$         10         5           is N (NOX)         µ\$         10			7.79	7.78	7.17	6.7	8.56	7.07	7.01	7.17	7.63	7.75
Electrical Conductivity	Annthily EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantany           skyte         Unit         Limit of Reporting         Water Quality Ot           pH Unit         -         6.5-           ction Potential         mV         -         No Water Quality           ction Confidence         mg/L         5         No Water Quality           confidence         mg/L         1         No Water Quality           confidence         mg/L         10         10           motosi         mg/L         10         No Water Quality           const         mg/L         10         10           motosi         μg/L         10         33           worus         μg/L         10         34           mg/L         5         5         5           cons         mg/L         5         5           model         mg/L         0.2         13           model         μg/L         0.2         1           mg/L		20-30	35	34	10	15.6	22.4	12.1	10.3	10.1	17.8	17.6
Oxidation Reduction Potential	pH Unit         -         6.5-1           activity         µS/cm         -         20-30           ction Potential         mV         -         No Water Quality (           cn         % saturation         -         No Water Quality (           cn         % saturation         -         No Water Quality (           s         NTU         -         1-3           solids         mg/L         5         No Water Quality (           CD <sub>1</sub> (fiftered)         mg/L         1         No Water Quality (           a so N (NOx)         µµ/L         10         10           ne Total         µµ/L         10         350           horus         µµ/L         1         5			247	260	148	44.4	29.8	176.7	148	149	150.9	135.6
Temperature	Ayte         Unit         Limit of Reporting         Water Quality Ob           Ayte         Unit         Limit of Reporting         Water Quality Ob           pH Unit         -         6.5-           tivity         µS/cm         -         20-3           tion Potential         mV         -         No Water Quality:           n         % saturation         -         No Water Quality:           n         % saturation         -         No Water Quality:           n         % saturation         -         No Water Quality:           0;         [fiftered]         mg/L         5         No Water Quality:           0;         [fiftered]         mg/L         5         10           at NINOxi         µg/L         5         10           at NINOxi         µg/L         10         No Water Quality:           notal         µg/L         10         100           µg/L         10         No Water Quality:         35           orus         µg/L         10         10           µg/L         10         10         10           µg/L         5         5         5           orus         µg/L         5		No Water Quality Objective Value	8.83	8.87	2.2	3.7	3.7	3.7	2.4	2.3	4.2	5
Dissolved Oxygen	Anthly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantang           te         Unit         limit of Reporting         Water Quality Obj           pH Unit         -         6.5-4           wity         μg/cm         -         20-3           on Potential         mV         -         No Water Quality Obj           % seturation         -         No Water Quality Obj           % seturation         -         No Water Quality Obj           1         NTU         -         1-20           0ids         mg/L         5         No Water Quality Obj           glfittered)         mg/L         1         No Water Quality Obj           glfittered)         mg/L         10         No Water Quality Obj           glfittered)         mg/L         10         No Water Quality Obj           glfittered)         mg/L         10         No Water Quality Obj           pg/L         10         100         100           rotal         μg/L         10         No Water Quality Obj           μg/L         10         No Water Quality Obj         100           μg/L         10         100         100           μg/L         10         100         100		90-110	63.2	83.2	90.9	92.8	93.5	90.4	93.1	92.8	91.5	90.1
Turbidity	Monthly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantangar           naiyte         Unit         Limit of Reporting         Water Quality Object           pH Unit         -         6.5-8           Juctivity         μS/cm         -         20-30           uction Potential         mV         -         No Water Quality Object           gen         % saturation         -         80-9110           sco.g (filtered)         mg/L         5         No Water Quality Object           sco.g (filtered)         mg/L         5         10           taxif, 10         10         10         10           pg/L         10         No Water Quality Object         350           oftalls         mg/L         10         No Water Quality Object           taxif, 100         No Water Quality Object         350         350           oftall         μg/L         10         10         10           μg/L         10         No Water Quality Object         350         350           oftall         μg/L         1         5         350           oftall         μg/L         5         5         5           scolved)         μg/L         5         5         55		1-20	0.5	0.5	3.89	5.37	6.33	5.63	7.54	115.98	3.76	4.6
Laboratory analytes					•								i
Total suspended solids	mg/L	5	No Water Quality Objective Value	-6	6	-6	6	6	-6	8	6	- 6	-6
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	14	14	9	9	12	9	2	9	9	9
Nutrients													. <u> </u>
Ammonia as N	µg/L	5	10	20	<10	30	60	50	40	50	<100	70	70
Nitrite + Nitrate as N (NOx)		10	10	70	120	20	100	60	30	10	10	40	40
Kjeldahl Nitrogen Total	athly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantany           e         Unit         Limit of Reporting         Weter Quality Ot           pH Unit         -         6.5-           ity         μ5/cm         -         7.0-           Potential         mV         -         No Water Quality           '\$ saturation         -         No Water Quality           '\$ saturation         -         1-2           ids         mg/L         5         No Water Quality           filtered)         mg/L         1         No Water Quality           ids         mg/L         5         10           H(NOx)         μg/L         10         No Water Quality           ids         mg/L         5         10           H(NOx)         μg/L         10         No Water Quality           is         μg/L         10         10           is         μg/L         10         10           is         μg/L         10         10		No Water Quality Objective Value	100	<100	200	300	300	300	200	100	400	400
Nitrogen (Total)	with PEL Sampling: 01 - 31 July 2024 - Talbingo and Tantang           c         Unit         Limit of Reporting         Water Quality Ob           pH Unit         -         6.5-1           ity         μ5/cm         -         20-3           ity         μ5/cm         -         10-3           Potential         mV         -         No Water Quality (No           % zaturation         -         No Water Quality (No           NTU         -         1-26           mg(L         5         No Water Quality (No           mg(L         5         No Water Quality (No           mg(L         5         10           No Water Quality (No         10         No Water Quality (No           mg(L         5         10           yg/L         10         No Water Quality (No           tal         µg/L         10           µg/L         10         No Water Quality (No           tal         µg/L         10         10		350	200	100	200	400	400	300	200	100	400	400
Reactive Phosphorus	Anthly EPL Sampling: 01 - 31 July 2024 - Talbingo and Tantange           tes         Unit         Limit of Reporting         Water Quality Obje           pH Unit         -         65.8           ivity         μ5/cm         -         20-30           on Potential         mV         -         No Water Quality Obje           wity         μ5/cm         -         20-30           N Potential         mV         -         No Water Quality Obje           with         -         No Water Quality Obje         -           0ids         mg/L         5         No Water Quality Obje         -           0ids         mg/L         1         No Water Quality Obje         -         -           0ids         mg/L         5         10         -         <		5	2	1	<1	15	3	<1	<4	1	1	3
Phosphorus (Total)	μg/L	5	10	30	80	<10	30	<10	40	20	20	20	20
Inorganics													
Cyanide Total	μg/L	4	7	<4	<4	⊲4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons	ductivity         μ\$/cm         -         20-30           mV         -         No Water Quality Object           *C         -         No Water Quality Object           rgen         % saturation         -         80-110           NTU         -         12-20           NTU         -         1-20           ket         mg/L         5         No Water Quality Object           SaCO <sub>2</sub> (filtered)         mg/L         5         10           N         μg/L         5         10           sato N (NOx)         μg/L         10         No Water Quality Object           ngl         μg/L         10         10         10           algen Total         μg/L         10         No Water Quality Object           algen Total         μg/L         10         No Water Quality Object           alg         μg/L         10         No Water Quality Object           algen Total         μg/L         10         350           phorus         μg/L         5         10           I         μg/L         4         7           e         mg/L         5         5           issolved)         μg/L												
Oil and Grease	mg/L	5	5	<4	4	<1	- 4	<1	<1	- 4	- 4	<1	<1
Metals													
Aluminium (dissolved)	ug/L	5	55	<5	-5	28	25	24	36	25	23	18	21
Arsenic (dissolved)				<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	⊲0.2	<0.2	<0.2
Chromium (III+VI) (dissolved)				<0.2	<0.2	<0.2	<0.2	⊲0.2	<0.2	⊲0.2	-0.2	0.4	<0.2
Copper (dissolved)			14	<0.5	<0.5	<0.5	⊲0.5	⊲0.5	<0.5	⊲0.5	⊲0.5	<0.5	<0.5
Iron (dissolved)				7	7	55	62	63	68	40	39	56	58
Lead (dissolved)		0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (dissolved)		0.5	1,900	06	<0.5	21.9	9.2	8.3	19.5	3.8	3.2	7.1	6.4
Nickel (dissolved)	µg/L	0.5	11	<0.5	<0.5	<0.5	⊲0.5	⊲0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver (dissolved)	μg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	μg/L	1	8	<1	- 4	<1	<4	<1	<1	<4	<1	<1	<1
Biological													
Faecal Coliforms	CFU/100mL	1	10/100^	1	- 4	<1	-	-	-	-	-	-	<1
Biochemical Oxygen Demand	mg/L	2	1/5^	8	4	<2	-	-	-	-	-	-	<2

Water Quality Objective values for Talbingo and Tantangara Reservoir refer to the default trigger values for physical and chemical stressors in south-east Australia (fresh lakes and reservoirs) for the protection of 95% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

\* 90th percentile concentration limits / 100 percentile concentration limits

- Sample not required at this location.





	Monthly El		Snowy Hydro 2.0 Main Works L - 31 July 2024 - Surface Water																																						
				8913	875.6	104	101.0	891.12	89524	69133	87538	1924	17121	89527	10.00	12135	1943	17134	875.85	angua .	675.87	6PL32	and a	HPL34	87533	17:38	17140	17545	1792	17540	area4	17945	171.00	17147	8903	69577	89578	69.79	101.04	HPLAN	17.04
Analyza	-	Link of Reporting	Water Quality Digestive Value*																																						
				sales/sa	submits.	sales/u	sales to	sales ha	sales/up	1400014	substruct of	NAME AND ADDRESS OF	sales/at	And states	110000	1100.04	and sectors.	10010104	100000	11010104	11000	admine.			adminutes.								10000		10,000/04				1100.04	110000	1100004
			854	7.88	8.28	8.3	8.84	8.38	8.81	8.6	8.88	7.71	7.82	7.08	672	87	7.86	7.58	6.68	6.87	7.38	8.54	Dy	Dry	8.03 N	of Manual 1	Not stand	Not prepared	Not beginned	Not triggered	Not triggered	Nutbigwood	6.62	Dry	643	Not prepared	Not prepared	Not beginned	9.23	8.96	8.5
tiestikai Geolostivity	at less		10.00	96	128	100		85	94	95	100	800	22.3	8.2	15	20	28	11	11	40	42	101	Dy	Dry	1001 N	of Magnetic	Not biggered	Not integrand	Not Magned	Not triggered	Not integrated	Nutbigwood	10.6	Dry	24	Not biggered	Not triggered	Not triggered	608	482	1004
Culturing Relaction Patential			No Water Quality Classifier Value	288	262	268	240	255	288	258	268	250	128.8	182.7	289	822	268	298	290	277	294	180	Dy	Dry	158 96	of Manual	Not stand	Not prepared	Not biggined	Not triggered	Not triggered	Nutbigwed	188.2	Dry	342	Not biggered	Nut triggered	Not biggined	228	265	258
			No Water Quelty Classifier Value	8.62	7.08	10.18	8.4	6.87	7.23	7.34	8.5	826	8.4	8.5	8.16	8.28	4.44	8.22	3.55	738	8.08	8.85	Dy	Dry	1038 N	of Manager and	Not integered	Not signed	Not biggered	Not triggered	Not tripped	Not Manual	8.1	Dry	8.6	Not triggered	Not biggered	Not triggered	8.85	102	11.2
Similard County	Number			98.5	818	88.5	88.5	82.8	78.8	75.8	25.5	72	90.2	88.3	83.6	73.6	95.7	85.8	92.1	80	85.8	91.2	Dr	Dry	26.3 34	of Manual	Not store and	Not playered	Not presented	Not trianened	Not present	Part Manual	100.0	Dry	100.0	Not biggered	Not schemed	Past triagened	98.1	48.5	\$2.5
Turbidhy	NTU		100	1.0	8.7	0.8	1.5	1.6	12	2.8	1.5	5.5	4.00	3.55	7.8		2.2	5.6	4.8	8.1	10.8	880	Da	Div	45.20 N	of Manual I	Not bit second	Not blogging	Not blacked	Not bitageted	Not blogged	But Manual	3.56	Dry	117.00	Not bitagened	Not believe a	Not blogging	1.000	186	6.2
oration analytes						_					_			-		_	-	-																							_
10	1003		No Water Guality Classifier Value					đ.			-			4				16	17		14	138	Dy	Dry	20 N	of Magneed	Not Manned	Not trapered	Not Magned	Nut triggered	Not triggered	Nutbigered	4	Diy	22	Not triggered	Nut triggered	Not triggeried	358	18	10
Kardness as CaCOS	and L	1	No Water Quality Clipsitive Value	48	33	81	- 44	48	- 48	- 44	a a			8	1	7	4	d.	d	ш	11	108	Dy	Dry	182 86	of Magneted -	Not integered	Not triggered	Not Signed	Not triggered	Not triggered	Nut triggered	- 44	Dry	18	Not triggered	Not original	Not triggered	44	108	824
Chevita Anomoria de N	-		10	- 10	-30		-30	- 633	-00	30	10	-10	-00	-10	-00	-30	-	-00	340	-00		1120	Dy	Dry	100 10	d Material	Not Manual	Not triggered	Not biggered	Not triggered	Not trippered	Not Manual	\$10	Dry	-00	Not triggered	Not biggered	Not triggeried	720	-	430
Note + Nitrate as N (NO4)	100	10	15	<10	-000	20	20	40	10	20	40	8140	10	10	20	20	20	20	20	70	20	12800	Dy						Not blassed							Not trianed		Not blagered			18800
Cieklahi Mitraren Tutal	100	10	No Water Quality Objective Value	-000			100	<100	-0.00	<100	1000	2000	1000	\$100	1330	330	800	200	1000		200	4400							Not Magned							Not biggered		Not triggered			
Mittagen (Total)	5	12	250	-000	<100		120	-000	-100	<100	100	1000	1000	<120	1000	100	800	200	<300	720	800	17200		Dry										Dry	-4400	Not original		Not biggined		MOD	17200
Seally Hostory Hostory (144)	-	1				7	4		1	4	4	4	28	4	1	1	5	2	40.005	1	3	24	Dy	Dry			Not standed	Not prepared		Not objected		Nutbigered	40	Dry	4	Not stagered		Not beginned		10	
Peopleries (14al)	10		20	20	40	100	<b>(1</b> )	60	20	20	<b>6</b>	22	30	\$10	32	22	- 11	120	410	<b>6</b>	82	-200	0y	Dry	10 N	of Manual I	Not interest	Not interest	Not interest	Not interest	And integrand	Ruthingered	40	Dry	80	Not blagered	Not biggered	Paul integrated	400	40	- 42
Consider Total				-					- 4					_	- 1						-1		-	-					Nothington									And information			
Country Total							8		9		54	-	9	51	54	51	-	si.	5	54	51	94	21	Dry	st 15		Not provide	Not sharend	Not blanced	No. Carried	Not blocked	And Concerns		Dry	54	Not property	Not blanced	Paul Information	12		
Cil and Crosse	100		1								-	0	0	~				0	~	-		0	Day.	Dre	-C 1	d Marriel	Not store and	Not playered	Not Manual	Not trianend	Not belowing	Not Manual		Dry	-0	Not started	Not believe ad	Not blogging	4	0	-
tala											_	_					_	_		_																					_
Abandalase Minached)	100		17											-				15	38	15	115		Dy	Dry	-0 N	of Magned	Not biggered	Not biggered	Not briggered	Nut triggered	Not trapered	Nutbigwed	10	Dry	10	Not blagered	Nut biggered	Not beginned	30	- 6	
Abandarium (tutal)	100		No Water Quality Clinicative Value	-				-														ADIC .	Dy	Dry	1880 19	of Manual 10	Not biggered	Not prepared	Not biggered	Not triggered	Not property	Nutbigered	545	Dry	-				-		
Amerik (dissilved)	10	1	6.8	0.4	-012	6.4	0.4	64	0.8	6.4	6.4	6.2		-622	412	-02	6.3	-02	-6.2	0.8	64	22	Dy	Dry				Not prepared		Not triggered			6.2	Dry	40.2	Not triggered	Not prepared	Not blanced	2.8	3.5	2
Amenik (botal)		1	No Water Guality Objective Value																			3.4	DY	Dry		of Magnetal	Not interned	Not trapped			Not trapped	Nutbrared	12	Dry							
Chromium (HeV) (disalized)	10	1	6.05	-50.2	-012	-0.2	62	-0.2	-0.1	102	-0.2	0.4	502	-02	-0.2	-02	10.2	-012	-0.2	0.8	0.4	51.8	Dy	Dry		of Magneed 1	Not Signed	Not siggered		Not triggered		Nutbigered	6.2	Dry	40.3	Not triggered	Not triggered	Not triggered	20.8	112	1.8
Chromium (11-V) (solal)	10	1	No Water Quality Objective Value					-														17.8						Not prepared		Not triggered											
Concer Manhadi	100	1	1	-0.5	-028	-25	40.5	-03	-0.5	103	40.5	101	\$25	-03	-25	-03	-01	-025	423	0.5	0.6	13		Dry				Not present		Not triggered		Nutbigwood	0.8	Dry	40.8	Not biggered	Not biggered	Post triggered	1.8	0.7	1.8
Copper (hotal)	5	1	No Water Guelity Oldentive Value					-														18.5		Dry			Not Signified	Not prepared		Not triggered Not triggered	Not triggered	Nut Manual	13		21	Not Signal		Not biggered			
ton (daadwed) ton (tota)		80	NO No Water Quality Objective Value	12	7	м	14	18	18	17	18	20	0	-0	60	- 10	17	33	м	144	217		Dia Contractione	Ley			Not started	Not playered	Not playered		Not trapped	Not Manual	10	Day	0	The states	Not the second	The state of		-12	
ten plant	-	80	No Water Calefilly Colporate Value																			ARC .	Dy.	Day			Not present	Not playered				Not Manual			-0.1	Not blazered	Res allowed	Not interest			
Load Date)			No Water Quelly Climits Webs		- 403	- 41	401			- 101			501	- 401		- 61		-011			401	-		Des				Not playered		Not present					54.1	100 010000		The suggestion	No.4	-011	- 41
Management Millestriken()			1300	0.8	1.0	12	2.4	0.8	0.8	11	2.8	37.4	0.8	-0.5	2.3	1		2	2	2	5.2	82	Dy	Dry			Not biggered	Not beganed	Not biggered		Not triggered		0.6		8.4	Not stagered	Not biggered	Not biggined	105	-03	3.4
Manganese (tutal)	100		No Water Quality Objective Value																			204	Dy	Dry	77.3 16	Integral to	Not biggered	Not prepared	Not briggered	Not triggered	Not trapped	Nutbigwood	5.8	Dry							
Nickel (disacked)		1	1	-63	40.8	-45	40.8	-63	40.5	408	42.8	42.8	\$2.5	40.8	43	438	-03	40.8	43	0.6	6.7	C.A	Dy	Dry	0.7 %	of Magned	Not biggeried	Not property	Not biggered	Not integrated	Not beginned	Nut Manual	-03	Dry	0.8	Not biggered	Nut biggered	Not biggined	0.6	-038	0.8
Natural (Security		1	No Water Quality Objective Value																			20	Dy	Diy		of Material	Not biggered	Not prepared	Not biggined	Not triggered	Not triggered	Nut Manual	43	Dry							
the planted	1		6.02	10.01	10.03	\$225	40.00		40.01	400	4001	10.02	\$0.05	1001	10.02	4000	0.02	40.01	1000	40.0	400	1000		Dry		of Manual I		Not steered	Not Manual	Not triggered	Not trapped	Nutblewood	42.05		40.03	Not began a	Not beganed	Not beginned	40.05	40.01	- 202
the hotal	1		No Water Guality Classifies Value																			0.02		Dry				Not triggered		Not triggered											
The Manhed for Areas	-		24	- 41	-	- 11	41	4	•	- 41	-	-	-	-	-	-	4	-	-	-	2	1		Dry				Not property		Not triggered		Nutbigwood	- 4		1	Not triggered	Not triggered	Not triggered	4	- 12	-
																												Not blanced	Not Manual				2								

Water Quality Objective wholes for surface water refer to the default trigger whole for physical and chemical streams to protection of WE of quark-spaces. ACRCC / AMMCAR2 (2005), they are not policiant fronts imposed by WE 12386.
 Steright end republic at this lattice.





### Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01 - 31 July 2024 - Treated Water

				EPL 41	EPL 43	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49	EPL 50
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*								_
Flow Rate				31/07/2024							23/07/2024
Inflow	ML/day	-	-	-	0.0000	0.2710	0.0471	0.1529	0.0713	0.1326	-
Outflow	ML/day	-	4.32 (EPL 43 / 50)	-	-	-	-	-	-	-	-
Field											•
pH	pH Unit	-	6.5-8.5	6.52	-	-	-	-	-	-	5.5
Electrical Conductivity	μS/cm	-	700 (EPL 41) / 200 (EPL 50)	72	-	-	-	-	-	-	2.6
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	257	-	-	-	-	-	-	189.5
Temperature	°C	-	15	8.85	-	-	-	-	-	-	7.3
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	86.9	-	-	-	-	-	-	95.4
Turbidity	NTU	-	<25	7.9	-	-	-	-	-	-	1.67
Laboratory analytes											
Total suspended solids	mg/L	5	5/10	<5	-	-	-	-	-	-	<5
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	<1	-	-	-	-	-	-	<1
Nutrients										•	
Ammonia as N	µg/L	5	200/2000^	30	-	-	-	-	-	-	30
Kjeldahl Nitrogen Total	µg/L	10	No Water Quality Objective Value	200	-	-	-	-	-	-	200
Nitrogen (Total)	µg/L	10	350/-*	300	-	-	-	-	-	-	200
Reactive Phosphorus	µg/L	1	No Water Quality Objective Value	<1	-	-	-	-	-	-	<1
Phosphorus (Total)	µg/L	5	100/300^	<10	-	-	-	-	-	-	<10
Inorganics											
Cyanide Total	µg/L	4	No Water Quality Objective Value	<4	-	-	-	-	-	-	7.00
Hydrocarbons										•	
Oil and Grease	mg/L	5	2/5^	<1	-	-	-	-	-	-	<1
Metals											
Aluminium (dissolved)	μg/L	5	55	<5	-	-	-	-	-	-	<5
Arsenic (dissolved)	µg/L	0.2	13	<0.2	-	-	-	-	-	-	<0.2
Chromium (III+VI) (dissolved)	μg/L	0.2	1	0.9	-	-	-	-	-	-	<0.2
Copper (dissolved)	µg/L	0.5	14	<0.5	-	-	-	-	-	-	<0.5
Iron (dissolved)	μg/L	2	300	<2	-	-	-	-	-	-	<2
Lead (dissolved)	µg/L	0.1	3.4	<0.1	-	-	-	-	-	-	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5	-	-	-	-	-	-	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5	-	-	-	-	-	-	<0.5
Silver (dissolved)	μg/L	0.01	0.05	<0.01	-	-	-	-	-	-	<0.01
Zinc (dissolved)	µg/L	1	8	<1	-	-	-	-	-	-	<1
Biological											
Faecal Coliforms	CFU/100mL	1	10/100^	<1	-	-	-	-	-	-	<1
Biological Oxygen Demand	mg/L	6	5	<2	-	-	-	-	-	-	<2

Note: Treated water was not being discharged at Talbingo ot Tantangara Reservoirs at the time of EPL sampling.

There is no 100th percentile limit for Nitrogen (Total).

\* Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.

- Samples not required

90 Percentile concentration limit/100 Percentile limit

Inflows to STP and CWTP do not directly correspond to outflow at RO as much of the water is reused on site





vionthly EPL Sar	npling: 01 - 31 July 2024 - T	reated Water EPL 4
	Date	Disc
	Date	(
	1/07/2024	
	2/07/2024	-
	3/07/2024	-
	4/07/2024	-
	5/07/2024	-
	6/07/2024	-
	7/07/2024	-
	8/07/2024	-
	9/07/2024	-
	10/07/2024	-
	11/07/2024	-
	12/07/2024	-
	13/07/2024	-
	14/07/2024	-
	15/07/2024	-
	16/07/2024	-
	17/07/2024	-
	18/07/2024	-
	19/07/2024	-
	20/07/2024	-
	21/07/2024	-
	22/07/2024	-
	23/07/2024	-
	24/07/2024	-
	25/07/2024	-
	26/07/2024	-
	27/07/2024	-
	28/07/2024	-
	29/07/2024	-
	30/07/2024	-
	31/07/2024	-

Snowy Hydro 2.0 Main Works

43 *	EPL 50 ^	EPL 44	EPL 45	EPL 47	EPL 48
scharg	e volume		Discharr	ge volume (Me	ealitres)
(Mega	litres)		- Charling	Se roioine (inc	- Salici Cal
	-	0.17	0.071	0.12	0.77
-	-	0.23	0.071	0.15	0.08
	-	0.16	0.052	0.08	0.07
-	-	0.26	0.047	0.16	0.08
	-	0.20	0.059	0.25	0.03
	-	0.20	0.050	0.17	0.07
-	-	0.20	0.049	0.17	0.08
-	-	0.21	0.046	0.17	0.08
-	-	0.32	0.048	0.23	0.08
	-	0.33	0.049	0.08	0.08
	-	0.10	0.055	0.15	0.08
-	-	0.21	0.063	0.17	0.09
	-	0.23	0.051	0.18	0.08
	-	0.21	0.045	0.17	0.13
	-	0.32	0.045	0.18	0.04
-	-	0.32	0.062	0.19	0.08
	-	0.21	0.048	0.16	0.08
	-	0.21	0.046	0.15	0.08
	-	0.18	0.064	0.21	0.16
	-	0.24	0.069	0.18	0.08
-	-	0.29	0.053	0.18	0.07
-	-	0.27	0.057	0.14	0.08
	-	0.35	0.051	0.15	0.09
	-	0.26	0.054	0.24	0.08
-	-	0.25	0.042	0.19	0.06
-	-	0.30	0.085	0.21	0.08
	-	0.27	0.055	0.20	0.08
-	-	0.44	0.053	0.19	0.09
-	-	0.28	0.039	0.24	0.08
-	-	0.21	0.048	0.20	0.16
	-	0.17	0.068	0.21	0.09

Note: The EPL discharge volume limit for EPL 43 and 50 is 4.32 megalitres per day. Compliance with this criteria was met during the repo

. The maximum flow rate capacity for Lobs Hole STP/PWTP during the reporting month was 0.0 ML/day.

٨ The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 0.0 ML/day

Water not discharged on this day -

8         0.064         0.21         0.16         0.78           4         0.069         0.18         0.08         0.71           9         0.053         0.18         0.07         0.45           7         0.057         0.14         0.08         0.82           5         0.051         0.15         0.09         0.36           6         0.054         0.24         0.08         0.87           5         0.042         0.19         0.06         0.76           0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03					
4         0.069         0.18         0.08         0.71           9         0.053         0.18         0.07         0.45           7         0.057         0.14         0.08         0.82           5         0.051         0.15         0.09         0.36           6         0.054         0.24         0.08         0.87           5         0.042         0.19         0.06         0.76           0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40	1	0.046	0.15	0.08	0.79
9         0.053         0.18         0.07         0.45           7         0.057         0.14         0.08         0.82           5         0.051         0.15         0.09         0.36           6         0.054         0.24         0.08         0.87           5         0.042         0.19         0.06         0.76           0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.38	8	0.064	0.21	0.16	0.78
7         0.057         0.14         0.08         0.82           5         0.051         0.15         0.09         0.36           6         0.054         0.24         0.08         0.87           5         0.042         0.19         0.06         0.76           0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03	4	0.069	0.18	0.08	0.71
5         0.051         0.15         0.09         0.36           6         0.054         0.24         0.08         0.87           5         0.042         0.19         0.06         0.76           0         0.055         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.38	9	0.053	0.18	0.07	0.45
6         0.054         0.24         0.08         0.87           5         0.042         0.19         0.06         0.76           0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.33	7	0.057	0.14	0.08	0.82
5         0.042         0.19         0.06         0.76           0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03	5	0.051	0.15	0.09	0.36
0         0.085         0.21         0.08         0.87           7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03	6	0.054	0.24	0.08	0.87
7         0.055         0.20         0.08         0.49           4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03	5	0.042	0.19	0.06	0.76
4         0.053         0.19         0.09         0.88           8         0.039         0.24         0.06         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03	ю	0.085	0.21	0.08	0.87
8         0.039         0.24         0.08         0.39           1         0.048         0.20         0.16         0.40           7         0.068         0.21         0.09         0.03	7	0.055	0.20	0.08	0.49
1 0.048 0.20 0.16 0.40 7 0.068 0.21 0.09 0.03	4	0.053	0.19	0.09	0.88
7 0.068 0.21 0.09 0.03	8	0.039	0.24	0.08	0.39
	1	0.048	0.20	0.16	0.40
wring month.	7	0.068	0.21	0.09	0.03
	ortin	g month.			

EPL 48

EPL 49

0.20

0.08

0.19

0.42

0.19

0.26

0.37

0.44

0.43

0.51

0.46

0.19

0.28

0.25

0.06

0.48

0.76





# AUGUST 2024

	Monthly 59	Sempline 01-	31 Aug 2024 Groundwater																											Τ-
						-	-						-	-	-		-	-		1740	-							-		
indy's	-	list of layer ling	Note Gody Objective Table*																											
chamital				100000	450000	100,000	1000000	100000	100.000	Conclusion.	March 1	11/16/00/04	100000	100000	100,000	2.56.000	2.56.5524	2000000	100000	(Carlos)	2000/000	1000000	STREET, SHOW	100.000	100.000	Statistics.	Market and	Stations.	10000	17
	10.00		65.8		635	5.05	246	2.05	815	1.45	5.8	5.67	5.25	5.00	51	2.62	5.40	5.87	8.05		2.65	3.66	5.00	5.05	2.84	144	6.00	54	6.05	
and a Constantial State		-	8643 50	796	-	855		-	125	-	27.6	98.2	94.1	20.2	46.6	545	462	1000	840	200	<b>SR</b>	26.1	154	1.00		1.56	1.00	104	-	
lister habertes Peterthi			to make loadly itselfs take	-			-	-	205		298.7	941.0	124.4	296.6	2462			126		100	2	2019	200	200	10	114	19	100		
Contraction of the local distance of the loc			the motor liquidity importion holds	16.25	11.45	14.2	10.84	1846	11.46	54.9	18.7	14	94	814	98.4	1546	16.25	15.48	16.81	1122	19.42	914	15.00	15.85	8.65	12.05	9.45	54.00	18.67	
adapt they are	S atroia		the motor speakly importion value	10.4	26.4	554	201	26.0		45.2	59.0		25.0	94.5	202	28.4	254	353	8.0	2.5	24.4	a.)		29.4	95.8		20	84.5	94.5	T
	10		the Works' Galacty Department value				11	24	124		15.00	14	10.0	644	10.02	124	11	12	92.5		14	100		110	342	100	101	114	116	
and a second																														T
	angle.	8	No Wolky Goally Dijectics Value	85		52100	14.00		100		43	15	-		799		121	*	20		12	1410	1525	15	-	414	84	120	74	-
these as factors	and a		to make loadly itsection value	209		676	-		10	100			26			10	147	100		18	-					1.4		100		
	-							-													-	-			-			_		+
and as it	-	-			_				-	-	-						-							-				**		+
the or bill the sector desired	-								-				-									100	-					1000	-	+
Add they a line			An Marker Landly State for Value		-		100							194			12		110	21.00		-	-	-	-			2018		+
que l'aut			19			786	100		-		1410		10	190	199		10		200			-	100	-	1997		1998	1000	1000	
tin Passion								17																						+
shares ( test)		-					-			100		ii ii			-		i i	-				-	105			14		÷.	-	
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												-	-							-								-		+
		•							-							-	-	-				-	•		-	-				+
and times	angle.						<u> </u>		_	<u> </u>	-					-	<b>—</b>							_	<u> </u>		-			+
			-					-	-	_			_			_		-						-	-	_			-	+-
niska (davias)	-				-	*	-	*	-		-			4		-	-	*	-	15	-	-		-	-	*	-	15	-	+
sides beat		1	No. Market Country Malanting States		-	- 0			100		-		24	•				-	-			1500	-	-		-		-	1000	+
al (baind			ALL PROPERTY AND THE VALUE									-				-									-					+
and hand			No Wester County Industries Volum					1	25	167	-			-		-		8					54			11	12		1	+
			An even spart age of the							-	-												10.0							+
union (in 14) (de cies)	100	94	54X	162		162	-		-62	60	- 444	-62	-	-	60	- 62	- 62	162	44	14	-	-	-	-	62	68	-	-62	62	
and an a first of parts of	10	64	No Water Guilty Righting Value					54	14	14		82				2.8	42	63	50	24	**	15.4	20	45	54	46.7		14		
per jikuwani	10	65	1	14	24	44	41	50	6.0	185	87	465	- 10	-	45	- 65	185	185	62	-	14	1.9	#5	41	-85	165	-65	95.5	62	_
an hant	<b>11</b>	85	No Water Guilty Rights Wile					814	94.4	10	<b>67</b>	10				- 54		185	10.2	14	154	411	1952	24	- 14	14.1	86		544	_
a (destad)	-	2							-			12	14.0	-							52			-	-			18	-	
a weat		1	No Marker Speakly Digerfine Value					100	2961			10					10.00	14	100	11000			100		10			100		
( plant of )	10	61			-	181		- 61	46.5		181			-			16.5	181	61	-	- 61	- 64			34	181				
a band	10	61	the Wester Country Objective Value					54		45	84					84		61	88				94	24.4	96.4		22	94.5		
gene (dedad)	<b>11</b>	65	6,200	200	962	40	6256	<b>14</b>	94.5	18.8	4	46.5	23	66	94			128	584	114	95	94	25.4		51.4	100	545	444	42	
prime later	10	65	No Marker Specify Digertics Value					244	250	54.6	20.0	35	86.1			2.00	19	194	1	ŝ	N.	409	2194	69	264		-			
(dadad)	100	81	•	12		14	54	101	-85	14		185	101	12	-	124	22	84		35	14		44		45	12	52	112		4
d (west)	-	65	No Water Geally Objective Value						184	14		82	44			10.0		182		842	2	94	191	28		415			100	_
(Indiana)	10	san		1941	1945	-	1945		-	-	-		-	15.00	1915			-	8	-	-	-	1542	19.05		6.0	-	-	-	
a seal	10	sain.	No Maker Goally Objective Value			-		1945		10.00		-	-			1947	-	642	60	-	441	16.66	6.8	1.0	-	147	-	-	8.54	
(dectro)	10	1	24				24						-6.0				*5	4		- 11		*			85		4			
			No Works Catality Chievillas Value																-	e			5					5		-

Water (pully (b)orthor values for groundwater refer to the Softwall Wigger values for physical and classified densers in an the protocols of VPS of quarter quarter quarters (ASIC) / ANSIAND (2008), they are not publicated boths imposed by the 2008). Surgius and application quarter quarters (ASIC) / ANSIAND (2008), they are not publicated boths imposed by the 2008).





		Sno	wy Hydro 2.0 Main Works										
Monthly EPL Sa	mpling: 01 - 3	1 Aug 2024	- Talbingo and Tantangara <u>Reservoir</u>	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EP1.46	EPL51
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*										
Field				18/8/24	18/8/24	27/8/24	27/8/24	27/8/24	27/8/24	27/8/24	27/8/24	27/8/24	27/8/24
pH	pH Unit		6.5-8	6.73	6.73	6.25	7.05	7.13	6.7	6.59	6.62	7.13	7.09
Electrical Conductivity	µ\$/cm		20-30	49	49	15.2	14.7	14.7	13	15.9	15.8	16.6	15.6
Oxidation Reduction Potential	mV		No Water Quality Objective Value	-5	178	286.5	303.1	289.9	307.9	279.6	278.1	275	270
Temperature	°.		No Water Quality Objective Value	10.72	10.72	8.6	8.4	8.5	8.9	8.8	8.7	9	9.3
Dissolved Oxygen	% saturation		90-110	79.5	79.5	88.1	92.8	94.1	94.1	87.8	87.9	94.2	94.7
Turbidity	NTU		1-20	2.3	2.3	33.11	3.88	3.53	10.54	36.77	36.48	8.84	10.04
Laboratory analytes													
Total suspended solids	mg/L	5	No Water Quality Objective Value	4	0	30	ů.	¢	ø	8	31	23	4
Hardness as CaCO <sub>2</sub> (filtered)	mg/L	1	No Water Quality Objective Value	17	17	2	2	2	2	2	2	2	2
Nutrients													
Ammonia as N	μg/L	10	10	<10	<10	30	120	20	20	50	40	100	20
Nitrite + Nitrate as N (NOx)	μg/L	10	10	30	30	40	<10	<10	<10	100	80	20	20
Kjeldahi Nitrogen Total	HE/L	100	No Water Quality Objective Value	100	100	800	300	200	300	600	600	300	300
Nitrogen (Total)	με/L	100	350	100	100	800	300	200	300	700	700	300	300
Reactive Phosphorus	HE/L	1	5	4	4	5	4	2	3	7	6	5	4
Phosphorus (Total)	μg/L	10	10	360	10	50	<10	10	<10	60	40	40	<10
Inorganics													
Cyanide Total	με/L	4	7				- 4	- 44		- 4			- 4
Hydrocarbons													
Oil and Grease	mg/L	1	5	4	4	4	4	4	4	4	4	4	4
Metab													
Aluminium (dissolved)	μg/L	5	55	7	6	145	20	19	24	127	151	24	24
Arsenic (dissolved)	HE/L	0.2	13	0.3	0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2	<0.2	<0.2
Chromium (III+VI) (dissolved)	μg/L	0.2	1	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	0.5	0.3	<0.2	<0.2
Copper (dissolved)	HE/L	0.5	14	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5
Iron (dissolved)	μg/L	2	300	14	11	177	55	54	60	160	183	63	59
Lead (dissolved)	HE/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (dissolved)	HE/L	0.5	1,900	4.1	2	19.1	0.8	0.7	0.9	15.6	19	1	1
Nickel (dissolved)	μg/L	0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver (dissolved)	μg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	με/L	1	8	4	4	4	4	4	4	4	4	4	4
Biological													
Faecal Coliforms	CFU/100mL	1	10/100*	1	4	1	-	-	-	-	-	-	1
<b>Biochemical Oxygen Demand</b>	mg/L	2	1/5*	••	••	6	-	-	-	-	-	-	2

 Water Quality Objective values for Taibingo and Tantangara Reservoir refer to the default trigger values for physical and chemical stressors in south-east Australia (fresh lakes and reservoirs) for the protection of 95% of equatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

\*\* Samples not analysed for this location - incident raised.

\* 90th percentile concentration limits / 100 percentile concentration limits

- Sample not required at this location.





		Sn	owy Hydro 2.0 Main Works																												
	Monthly EPL Sa	moline: 01 - 3	1 Aug 2024 - Surface Water																											. 1	1 '
	manual er e sa		a neg coor sanace mater																					1						. /	
			· · · · · ·	EPLS	EPLS	EPL8	EPLS	EPL12	EPL14	EPL15	EPL10	EPL24	EP126	EPL27	EPL30	EPL35	EPL33	EPL34	EPL35	EP1.36	8PL37	EPL52	EPLS2	EPL54	EPLS5	EP100	EP1.67	EP1.71	EPLIN	EPL85	EPL86
Analyte	Unit	Limit of	Water Quality Objective Value*																					1						. /	
		Reporting	made classify collecting and																					1						. /	
				3/08/34	8/08/24	8/08/34	3/08/34	208/24	8/08/24	8/08/24	8/08/34	3/08/34	10/08/24	8/08/34	12/08/24	13/08/34	12/08/24	13/08/34	12/08/24	13/08/34	12/08/24	608/04	Dry	Dry	\$/08/34	11/08/04	27/08/34	4/08/34	29/08/24	29/09/34	29/08/24
-			654	2.9	7.91	7.99	7.88	7.83	7.68	7.76	7.58	7.8	7.38	6.65	7.64	7.1	7.85	7.91	7,74	7.84	7.57	8.83	Dry	Dry	8.05	6.67	6.51	6.84	8.2	8.81	7.85
Electrical Conductivity	uti/cm		20-050	51	**	66	67	52	46	50	66	194	22	19.8	21	491	22	15	15	56	52	615	Dry	Dry	584	16.8	15.9	88	854	481	1080
Orbitation Reduction Potential			No Water Quality Objective Value	188	222	280	268	206	248	254	257	164	281	226.5	99	105	307	111	109	124	117	807	Dry	Dry	205	150.4	282.1	225.5	68	60	95
Temperature	*		No Water Quality Objective Value	6.8	5.78	8.17	2.05	4.71	5.05	5.85	6.56	11.88	4.18	2.6	6.8	8.41	7.14	5.6	5.54	10.08	30.72	11.46	Dry Dry	Dry	10.8	6.2	8.8	6.4	18.74	12.59	35.21
Displayed Oxygen	Xesturation		99-110	101	96.4	108.6	99.1	103.7	101.8	301	97.8	76.2	90.3	90.7	90.1	105.2	92.1	98.7	54.2	75.7	78.5	104	Dry	Dry	95.8	91.8	87.9	94.9	72.8	76.1	88.1
Turbidty	NIV		245	4.6	4.2	17.7	5.8	0.9		0.7		4		22	63		6.8	4.8	4.7	6.6	9.6	81	Dry	Dry	2.50	8.22	12.42	22.6	382	229	405
Laboratory analytes						40.4				947	v		, v	84				- 14	- <b>N</b>			54		- 47	6.00	6.44	40.40	20.0	484		
Tos	mg/L	5	No Water Quality Objective Value	4	16	4	4	4	20	4	4	6	6	4		4	2	4	4	5		6	Dry .	0rv	4	50	80	6	582	77	44
Hardness as CaCOB	me L	1	No Water Quality Objective Value	22	19	24	22	85	81	-			5		2	2	2	4	4	17	17	340	Dry	Dry	208	2	ĩ	36	64	56	262
Nutriests															_																
Ammonia as N	HU/L	30	13	<10	<30	<10	<10	<10	<30	<30	<10	<300	<100	<100	<10	<00	20	<00	<10	<30	20	10	Dry	Dry	540	60	40	<10	580	50	60
Note + House as N (NOs)	HA	20	25	<30	<10	50	30	<10	<10	<10	10	10680	10	50	<10	<00	80	<00	<10	80	80	87000	Dry	Dry	20400	20	-	<10	5500	4500	19100
Kieldahi Nitrogen Total	HAA.	100	No Water Quality Objective Value	<100	<100	<100	<300	800	100	<100	411	1.9	0.2	8.1	<100	<100	200	<100	<100	800	400	4600	Dry	Dry	8300	600	600	<300	8100	4000	800
Nitrogen (Total)	HI/L	100	250	<100	<100	<100	<300	800	100	<100	<100	12500	200	200	<100	<100	200	<100	<100	400	500	41600	Dry	Dry	85500	700	600	<00	8600	8300	19400
Reactive Phosphorus	HU/L	1	25	10	6	6		8		6	6	4		4	1	1	2	- 4	4	<1	5	2	Dry	Dry	2	8	6	5	11	5	5
Phosphorus (Total)	HAV.	30	20	10	20	<10	40	60	20	30	10	20	30	10	30	20	30	20	30	80	50	10	Dry	Dry	30	40	80	40	\$80	130	120
Cyanida Total																															_
Cyanide Total	HAV.	4	4	-	\$	4	4	4	4	\$	\$	\$	\$	4	4	4	\$	4	\$	\$	\$	4	Dry	Dry	4	۵	4	٠	4	\$	4
Hydrocarbone																															
OI and Grease	mg/L	1	s	<1.0	<1.0	410	<1.0	4.0	<1.0	40	<1.0	<1.0	48	40	9	410	48	<1.0	<10	<1.0	<1.0	49	Dry	Dry	4	4	4	4	<10	<1.0	4
Metals						_		_		_										_			_							_	
Aluminium (dissolved)	HU/L	5	27	12	5	18	12	34	34	34	34	4			11	11	22	11	30	40	56	۷	Dry	Dry	4	8	128	8	30	29	4
Aluminium (total)	HLA.	5	No Water Quality Objective Value	-												-						811	Dry	Dry	150	871	1580	3870	18700	\$530	2140
Arsenic (disasted)	HAA.	0.2	6.8	6.2	40.2	0.2	0.2	6.2	6.2	0.2	0.2	<0.2	ą	4	ą	42	ą	42	42	62	0.8	8	Dry	Dry	0.8	0.2	Ap	<0.2	8.9	2.5	1.9
Amenic (total)	HAV.	0.2	No Water Quality Objective Value	-						•						•		•				69	Day	Dry	6.8	0.5	0.5	8.4		5.8	
Chromium (IHVI) (dissolved)	HAV.	0.2	6.01	40.2	413	43	<0.2	<0.2	40.2	42	43	6.2	0.2	6.2	42	412	42	412	<12	6.2	0.2	4.6	Day	Dry	2.7	41	0.8	<0.2		\$2.6	
Chromium (IH-VI) (total)	HAV.	0.2	No Water Quality Objective Value																			5.6	Day	Dry	8.1	1	2	2.1	\$02	66.8	
Copper (dissolved)	HAA.	0.5	1	40.5	415	45	40.5	-415	-415	45	- 45	40.5	45	405	ų	40.5	45	45	45	45	45	45	Day	Dry	45	45	-455	-0.5		6.7	
Copper (total)	HAA.	0.5	No Water Quality Objective Value						-					-		-		-				6.8	Dry	Dry	0.6	14	1.4	6.9		30.1	
Iron (dissolved)	He/L	2	800	18		17	17	20	19	16	18	30	12	17	16	18	49	24	28	124	368	4	Dry	Dry	4	158	160	17	6	- 4	
iron (total)	HAV.	2	No Water Quality Objective Value			•	-		-				•		•	-			•		•	258	Day	Dry	133	1830	\$080	1210		7620	
Lead (discolved)	HAV.	0.1	1	<0.1	<0.1	<11	<0.1	<0.1	<0.1	411	41	<0.1	41	<0.1	41	<0.1	41	<0.1	41	<0.1		40.1	Dry	Dry	41	41	<0.1	<0.1		<0.1	
Lead (total)	HE/L	0.1	No Water Quality Objective Value	-			-	-	-	-				-		-		-	-		-	8.6	Dry	Dry	0.4	0.9	1.2	6.8	49	\$6.2	61
Manganese (dissolved)	HL/L	0.5	1,200	1	1.7	1.2	8.7	0.9	11	1.8	2.1	42.4	1.1	22	1.6	1	0.7	22	8.8	8.2	9.1	40.5	Dry	Dry	1.1	61.9	16.8	7.2	2.8	<0.5	0.6
Manganese (total)	HEAL	0.5	No Water Quality Objective Value				-	•	-	-		-	•	•	•	•		•	•		•	16	Dry	Dry	7	360	41.8	25.6	248	195	301
Nickei (disscheed)	HU/L	0.5	*	<0.5	-0.5	-45	<0.5	-0.5	-45	-05	-45	<0.5	45	<0.5	45	-40.5	45	<0.5	-45	<0.5	-45	6.7	Dry	Dry	-45	45	45	0.7	0.9	-0.5	0.7
Nickei (total)	HL/L	0.5	No Water Quality Objective Value	-		•	-	-	-	-				-		-		-	-		•	18	Dry	Dry	0.9	0.8	1	4.5	86.7	25.4	5.8
Silver (dissolved)	HEAL	0.05	6.02	<0.01	<0.01	<0.01	-0.01	<0.01	<0.01	<0.01	<0.01	40.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1.01	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver (total)	HUL	0.01	No Water Quality Objective Value	-		•	-	-	-	-			•	-	•	-	•	-	•	-	•	<0.01	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	HUL	1	2.4	4	4	4	4	-4	-4	4	4	2	4	4	4	4	4	4	4	-4	4	1	Dry	Dry	4	4	4	8	4	4	4
Zinc (total)	HI/L	1	No Water Quality Objective Value				-	-	-							-						11	Dry	Dry	8	4	4	4	155	42	54

Water (sally Objective values for surface water where the default strigger values for physical and deexical streams in south-east Australia (pained ment) for the protection of Wird Argunits (saules AUSCC / AMACAND (2015), they are not publicate think imposed by EPI, 21364.
 Samples contracted and





#### Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01 - 31 Aug 2024 - Treated Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	
Flow Rate				11/08/202
Inflow	ML/day	-	-	-
Outflow	ML/day	-	4.32 (EPL 43 / 50)	-
Field				
рн	pH Unit	-	6.5-8.5	5.7
Electrical Conductivity	μS/cm	-	700 (EPL 41) / 200 (EPL 50)	84
<b>Oxidation Reduction Potential</b>	mV	-	No Water Quality Objective Value	178
Temperature	°C	-	15	11.71
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	53.2
Turbidity	NTU	-	<25	4.5
Laboratory analytes				
Total suspended solids	mg/L	5	5/10	<5
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	<1
Nutrients				
Ammonia as N	μg/L	10	200/2000^	40
Kjeldahl Nitrogen Total	μg/L	100	No Water Quality Objective Value	200
Nitrogen (Total)	µg/L	100	350/-^	300
Reactive Phosphorus	μg/L	1	No Water Quality Objective Value	5
Phosphorus (Total)	µg/L	10	100/300^	<10
Inorganics				
Cyanide Total	µg/L	4	No Water Quality Objective Value	<4
Hydrocarbons				
Oil and Grease	mg/L	1	2/5^	<1
Metals				
Aluminium (dissolved)	µg/L	5	55	<5
Arsenic (dissolved)	µg/L	0.2	13	0.4
Chromium (III+VI) (dissolved)	µg/L	0.2	1	0.8
Copper (dissolved)	µg/L	0.5	14	<0.5
Iron (dissolved)	μg/L	2	300	<2
Lead (dissolved)	µg/L	0.1	3.4	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01
Zinc (dissolved)	µg/L	1	8	<1
Biological				
Faecal Coliforms	CFU/100mL	1	10/100^	<1
Biological Oxygen Demand	mg/L	2	5	11

EPL 41	EPL 43	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49	EPL 50
	_	_		_	_	-	_
11/08/2024	11/08/2024	11/08/2024	11/08/2024	11/08/2024	11/08/2024	11/08/2024	12/08/2024
-	0.0076	0.0246	0.0043	0.0176	0.0074	0.0202	-
-	-	-	-	-	-	-	-
5.7	-	-	-	-	-	-	7.91
84	-	-	-	-	-	-	36
178	-	-	-	-	-	-	75
11.71	-	-	-	-	-	-	9.65
53.2	-	-	-	-	-	-	69.4
4.5	-	-	-	-	-	-	5.8
<5							<5
<1							<1
40	-	-	-	-	-	-	960
200	-	-	-	-	-	-	1800
300	-	-	-	-	-	-	2500
5	-	-	-	-	-	-	<1
<10	-	-	-	-	-	-	30
	_						
≪4	-	-	-	-	-	-	<4
<1	-	-	-	-	-	-	<1
<5	-		-	-	-	-	<5
0.4	-		-	-	-	-	<0.2
0.8	-		-	-	-	-	<0.2
<0.5	-		-	-	-	-	<0.5
<2	-		-	-	-	-	<2
<0.1	-		-	-	-	-	<0.1
<0.5	-		-	-	-	-	<0.5
<0.5	-		-	-	-	-	<0.5
<0.01	-		-	-	-	-	<0.01
<1	-	-	-	-	-	-	<1
<1	-	-	-	-	-	-	<1
11	-	-	-	-	-	-	<2

Note: Treated water was not being discharged at Talbingo Reservoir at the time of EPL sampling.

- There is no 100th percentile limit for Nitrogen (Total).
- \* Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.
- Samples not required
- ^ 90 Percentile concentration limit/100 Percentile limit

\* Inflows to STP and CWTP do not directly correspond to outflow at RO as much of the water is reused on site





#### Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01 - 31 Aug 2024 - Treated Water

EPL 43 \*

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0.13

0.05

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0.16

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Discharge volum (Megalitres)

	_
Date	
1/08/2024	$\neg$
2/08/2024	
3/08/2024	
4/08/2024	
5/08/2024	
6/08/2024	
7/08/2024	
8/08/2024	
9/08/2024	
10/08/2024	
11/08/2024	
12/08/2024	
13/08/2024	
14/08/2024	
15/08/2024	
16/08/2024	
17/08/2024	
18/08/2024	
19/08/2024	
20/08/2024	
21/08/2024	
22/08/2024	
25/08/2024	
24/08/2024	
25/08/2024	
26/08/2024	
27/08/2024	
28/08/2024	
29/08/2024	
30/08/2024	
31/08/2024	

EPL 50 A	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49
volume Itres)		Discharg	e volume (M	egalitres)	
-	0.35	0.063	0.16	0.01	0.47
-	0.27	0.07	0.28	0.06	0.44
-	0.32	0.05	0.10	80.0	0.18
-	0.29	0.07	0.25	0.07	0.21
-	0.12	0.11	0.22	0.02	0.54
-	0.30	0.08	0.20	0.11	0.48
-	0.33	0.07	0.12	0.06	0.49
-	0.34	0.04	0.20	0.06	0.27
-	0.30	0.06	0.27	0.09	0.55
-	0.33	0.03	0.30	0.05	0.84
-	0.42	0.06	0.02	0.01	0.05
-	0.34	0.05	0.22	0.16	0.31
-	0.36	0.06	0.20	0.08	0.85
-	0.33	0.07	0.21	0.07	0.46
-	0.26	0.05	0.29	0.02	0.60
-	0.21	0.06	0.07	0.02	0.52
-	0.22	0.04	0.15	0.08	0.76
-	0.22	0.04	0.17	0.09	0.60
-	0.16	0.04	0.22	0.08	0.61
-	0.30	0.04	0.13	0.08	0.32
-	0.21	0.05	0.18	0.07	0.35
-	0.19	0.05	0.18	0.10	0.66
-	0.19	0.05	0.08	0.06	0.63
-	0.10	0.04	0.27	0.08	0.65
-	0.24	0.05	0.20	0.08	0.66
-	0.48	0.05	0.19	0.08	0.71
0.39	0.26	0.05	0.20	0.20	0.76
-	0.31	0.05	0.17	0.07	0.49
-	0.12	0.05	0.22	0.09	0.85
-	0.45	0.04	0.20	0.10	0.60
-	0.40	0.05	0.24	0.07	0.79

Water not discharged on this day .

Note: The EPL discharge volume limit for EPL 43 and 50 is 4.32 megalitres per day. Compilance with this criteria was met during the reporting month.

The maximum flow rate capacity for Lobs Hole STP/PWTP during the reporting month was 1.85 L/s ٠

۸ The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 4.51 L/s

Water not discharged on this day ---

flows to those recorded for each respective plant as works progressed at the same





# **SEPTEMBER 2024**

			Snowy Hydro 2.0 Main Works																							
	Monthly EPLS	Sampling: 01-30 S	September 2024 Groundwater																							
				EPL56	EPL57	<b>EPLSB</b>	<b>EPL68</b>	EPL69	BP1.70	BP172	BP1.73	EPL80	EPL81	EPL82	EPL83	EPL87	EPL M	EPL 89	EPL 90	EPL 91	EPU82	EPL88	EPL94	EPUS5	EPL96	EPL97
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*																							
Physiochemical				3/09/2024	3/09/2024	3/09/2024	07/09/2024	21/09/2024	07/09/2024	07/09/2024	07/09/2024	5/09/2024	5/09/2024	5/09/2024	5/09/2024	5/09/2024	5/09/2024	5/09/2024	2/09/2024	2/09/2024	3/09/2024	3/09/2024	3/09/2024	2/09/2024	2/09/2024	2/09/2024
all	all Unit		654	5.65	4.92	7.87	\$74	5.92	61	6.11	8.09	68	7.04	7.54	7.65	7.02	7.18	7.74	5.39	667	664	6.94	7.13	5.88	6.83	6.54
<b>Electrical Conductivity</b>	s\$/cm		20-250	503	237	819	27.7	18.6	112.7	54	560	#12	696	2670	649	\$17	842	323	186	262	193	295	202	560	457	481
Oxidation Reduction Potential	Was		No Water Quality Objective Value	297	209	15.79	182.1	165.1	195.9	136	140	-23	-45	-16	13.53	148	-27	42	66	51	199	-74	-39	39	92	133
Terroenture	<b>10</b>		No Water Quality Objective Value	11.25	13.22	15.79	13.2	10.9	13.9	11.64	11.92	18.31	15.27	18.38	13.53	20.91	13.17	34.97	13.11 49.5	36.41	14.67	14.47	14.6	14.37	11.67	14.07
Disailend Oceans Turkidhy	Nuturation		No Water Quality Objective Value No Water Quality Objective Value	23.4	110.3	29.5	4.00	\$ 57	100.7	47.1	260	50.9	309	181	290	1000	13	106	1000	39.3	1000	436	135	225	759	85.4
	NIU		No water classify Dijective Value	23.4	428	78.5	4.18	2.3/	12.24	2.18	/160	30.9	309	185	/90	2000	14	106	1000	35.4	1000	436	135	225	759	85.4
Laboratory analytes	ma		No Water Quality Objective Value	45		109			40		170	- 13	400	841	5/0	2.000			1.620		3.540	1.500	105	172	903	106
			No Water Quality Objective Value	136	121	209	22	- 11	48	13	22	12	160	1,270	110	2,110	120	50	1.820	126	2,510	1,500	195	156	901	105
Hardness as CaCO3 Nutrients			No water quality Dijective value	1/6	1/1	201	4	4	26	14	44	454	262	1,270	130		328	36	26	126	90	135	84	156	154	146
Anymonia as N	Mark.	10	12	<10	20	<10	<10	20	10	40	40	30	50	100	<10	20	200	<10	<00	<10	10	20	20	<10	<10	10
Nitrite + Nitrate as N (Nos)	140	10	31	<10	490	50,000	1.440	420	360	290	2,430	<10	<10	<10	5.500	3,430	<00	200	1,320		30	<10	10	26,000	12,200	430
Kjeldshi Nitrogen Total	He/L	100	No Water Quality Objective Value	<100	200	1,100	500	200	200	100	100	200	200	400	1,200	2,900	400	100	<1.000	<100	<1.000	200	300	1,700	1,700	100
Nitrogen (Totel)	Her	100	250	<100	200	51,100	1,900	200	600	400	2,500	200	200	400	6.700	6,200	400	300	1,300	<100	<1.000	200	300	27,700	13,900	500
Reactive Phosphorus		1	15	1	4	3	41	2	14	19	20	6	4	4	7	7	11	1	14		7	M	2	20,000	4	4
Phosphorus (fintal)	w/A	10	20	40	210	120	20	40	80	70	70	50	340	70	500	1,330	60	50	1,400	20	640	170	100	270	690	80
inorganica						1				1	1			1	1				1	1	1		1			
Cvaride Total	HeA.	4	4	10	18	14	14	14	14	14	14	14	-	14	4		1	<i>ct</i>	4	4	4		4	<i>c</i> t	<i>ct</i>	
Hydrocarbone																										
OI and Greate	maß.		5	et 0	<20	<10	<10	<i>d</i>	<10	<b>6</b> 0	<b>d</b> 10	<10	4.0	<b>d</b> 0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Matala				-																						
Abasisian Maskadi	100		37	6	6	6	6		6	10	6	6	6	6	6	<i>6</i>	6	6	6	6	6	6	6	6	6	6
Abarelolare Datal)	- Mark	5	No Water Quality Objective Value	835	5,930	2,090	732	667	3,400	201	727	10	4.450	1220	12,000	64,800	211	899	30,500	444	20,200	24,900	3,390	5,720	15,700	1.450
Americ (displyed)	and.	0.2	0.8	<0.2	1.4	0.2	<0.2	<0.2	<0.2	0.2	<0.2	2.4	1.2	0.4	2.5	0.2	0.3	<0.2	<0.2	0.3	0.5	18.8	0.8	1.3	<0.2	0.4
Americ batal	And A	0.2	No Water Quality Objective Value	0.5	4.0	2.6	<0.2	0.2	0.5	0.3	<li>412</li>	20.5	294	\$7.4	44.4	18.1	33.1	3.0	14.7	2.7	16.8	55.1	13.2	16.4	19.5	4.9
Oronium (II-W) (disolved)	Mark.	0.2	0.01	- 40.2	40.2	<0.2	<0.2	40.2	<0.2	0.2	0.3	<02	43	40.2	24.5	1.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	6.3	40.2
Chronium (III-Wi) factal)	and a	0.2	No Water Quality Objective Value	12	11.2	61	1.7	0.7	5.5	0.9	0.7	0.2	10.3	63	66.3	191	2.7	1.7	82.1	1.2	29.0	66.3	10.3	13.8	45.9	4.6
Copper (displayed)	100	0.5	1	63	2.9	3.0	45	40.5	51.4	2.4	- 65	<0.5	\$	40.5	2.4	0.7	40.5	38.4	41.5	415	415	41.5	<0.5	12	40.5	40.5
Copper Potall	ue/S	0.5	No Water Quality Objective Value	71.1	438	4.5	9.2	11	124	4.9	1.7	40.5	15.4	3.8	44.4	143	14.3	98.2	87.4	0.6	47.9	43.7	62	31.9	47.6	2.4
iron (dissolved)	HEA	2	300	545	4	4	4	7	4	2	4	4	4	66	4	4	4	4	4	4	4	4	4	4	- 4	4
iron (total)	HA	2	No Water Quality Objective Value	1,430	6,660	3,340	115	344	2,390	344	222	891	23,800	8,500	18,400	95,200	1,040	820	47,000	990	18,900	38,800	7,540	8,090	38,000	3,070
Lead (dissolved)	HIA.	0.1	1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (total)	H6A	0.1	No Water Quality Objective Value	7.1	20.5	37.0	0.3	0.3	2.7	3.0	0.9	<0.1	13.4	10.3	23.3	143	1.6	0.6	190	2.7	964	140	18.4	48.4	316	43.4
Marganese (disolved)	H6A	0.5	1,200	35.2	26.2	263	21	40.5	3.4	9.4	9.9	186	190	330	8.3	35.0	9.7	11.4	23.3	248	250	291	593	344	65	546
Manganese Butall	MA.	0.5	No Water Quality Objective Value	19.1	550	252	15.5	2.4	90.2	12.2	15.2	216	257	422	518	2.060	251	22.7		214		1,220	834	850	2,960	
Nickel (displayed)		0.5			40.5	47	15	40.5	22	17	40.5	18.4	1.0	7.2	2.8	1.2	40.5	2.7	44	40.5	24	2.7	17	11.2	19	11.2
Nickel (total)		0.5	No Water Quality Objective Value	2.9	22.7	12.0	2.7	2.0	7.1	2.4	0.6	22.2	19.9	151	55.8	287	8.2	4.7	177	1.9	51.9	116	16.3	32.2	94.9	11.2
Silver (disolved)		0.01	0.02 No Water Quality Objective Value	0.03	41.05	40.05	40.05	40.01	40.01	0.01	40.01	4001	40.01	40.01	40.01	40.01	4001	40.01	40.01	40.01	40.01	4001	40.01	40.01		400
Silver hotal		0.01	No Water Quality Objective Value	0.06	0.05	0.10				12	40.01	40.01	0.06	0.01	0.08	0.29	40.01	40.01	0.29	40.01	0.54	0.26	0.03	0.10	0.40	0.03
Zinc (dissolved)		-	2.4 No Water Quality Objective Value	2	4	12	4	4	2		<1	2	<1		1	41	4	2	22	2	7	-1	172	26	1 264	37
Zinc flutal)	- MA	1	No water causty Objective Value	22	48	29	6	1	10	14	2	\$	43	<u> </u>	100	565	12	5	487	10	313	341	172	91	254	116

<sup>10</sup> Water Cashire Objective values for accordulator reflector the default trigger values for obvectal and chemical objective values for the objective values of VPM of assumic section AVECCE / AMACANE 20000, they are not outlinear limits immoved by EP. 21366. Sample not received due to blocknow years.





Monthly EPL Sampling	: 01-30 Septemb	er 2024 - Talbi	<u>Snowy Hydro 2.0 Main Works</u> ngo and Tantangara Reservoir	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL50
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*										
Field				8/9/24	8/9/24	24/9/24	24/9/24	22/9/24	24/9/24	24/9/24	24/9/24	24/9/24	29/9/24
pH	pH Unit	-	6.5-8	6.83	6.96	7.42	6.94	7.73	6.99	8.63	7.07	6.77	7.54
Electrical Conductivity	uS/cm	-	20-30	80	75	18	17	16	16	19	18	17	17
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	-14	-21	126	205	158	170	136	84	211	173
Temperature	°C		No Water Quality Objective Value	13.07	13.27	8.71	9.49	9.41	9.12	9.25	8.5	9.42	9.41
Dissolved Oxygen	% saturation	-	90-110	99.6	99.1	83.4	87	81.8	80.8	89	79.8	80.2	80.7
Turbidity	NTU		1-20	3.7	3.8	236	3.8	3.9	5	10.7	51.4	3.8	3.8
Laboratory analytes			110		5.6	230	5.6	3.3		20.7	21.4	5.6	3.0
Total suspended solids	mg/L	5	No Water Quality Objective Value	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	36	33	5	2	2	2	4	9	2	4
Nutrients												_	
Ammonia as N	µg/L	10	10	<10	80	40	20	50	20	40	80	20	30
Nitrite + Nitrate as N (NOx)	με/L	10	10	20	30	<10	10	20	10	10	<10	20	20
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	100	100	200	200	200	200	100	200	200	200
Nitrogen (Total)	μg/L	100	350	100	100	200	200	200	200	100	200	200	200
Reactive Phosphorus	µg/L	1	5	5	3	2	2	2	2	4	2	2	2
Phosphorus (Total)	µg/L	10	10	<10	<10	30	30	30	40	<10	20	30	60
Inorganics													
Cyanide Total	μg/L	4	7	<4	-4	-4	-4	<4	-4	-4	<4	-4	<4
Hydrocarbons													
Oil and Grease	mg/L	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals													
Aluminium (dissolved)	µg/L	5	55	7	8	10	15	14	14	13	20	15	-6
Arsenic (dissolved)	µg/L	0.2	13	0.3	0.3	<0.2	⊲0.2	⊲0.2	<0.2	<0.2	⊲0.2	⊲0.2	<0.2
Chromium (III+VI) (dissolved)	µg/L	0.2	1 14	<0.2 <0.5	0.2 <0.5	<0.2 <0.5	<0.2 <0.5	<0.2 ⊲0.5	<0.2 <0.5	<0.2 <0.5	<0.2 ⊲0.5	<0.2 <0.5	<0.2 <0.5
Copper (dissolved)	μg/L μg/L	2	300			53	56	57	-0.5	32	102	55	2
Iron (dissolved) Lead (dissolved)	μg/L	0.1	3.4		<0.1	<0.1	<0.1		 ⊲0.1	- 32 	-0.1	-0.1	<0.1
Manganese (dissolved)	μg/L	0.5	1,900	13.1	9.3	50.7	0.9	0.9	1.0	2.9	52.0	0.9	3.7
Nickel (dissolved)	με/L	0.5	11	-0.5	<0.5	<0.5	<0.5	-0.5	-0.5	<0.5	-0.5	-0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	-4	<1	<4	<1	<4	4	<1	<4	<1
Biological													
Faecal Coliforms	CFU/100mL	1	10/100^	10	2	<1	-	-	-	-	-	-	<1
Biological Oxygen Demand	mg/L	2	1/5*	5	5	2	-	-	-	-	-	-	<2

Water Quality Objective values for Talbingo and Tantangara Reservoir refer to the default trigger values for physical and chemical stressors in south-east Australia (fresh lakes and reservoirs) for the protection of 95% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

90th percentile concentration limits / 100 percentile concentration limits

- Sample not required at this location.





			Snowy Hydro 2.0 Main Works	<u> </u>																										_	_
M	onthly EPL San	npling: 01 - 30 Se	eptember 2024 - Surface Water																										, I		
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPLS	EPLS	EP LA	80	EPL12	EPLLA	EPLIS	EPLLS	EP124	EPL26	EP127	EPLIO	EPLS1	EPLIS	EPLSA	EPLIS	EPL36	EP137	89152	69633	EPL54	EPL55	EPL66	EPL67	EP171	EPLIM	EPUIS	EPLBS
field				4/09/24	4/09/04	4/09/24	4/09/34	4/09/04	4/09/24	4/09/34	4/09/24	6/09/24	7/09/24	7/09/24	13/09/24	18/09/24	13/09/24	13/09/24	13/09/24	21/09/24	21/09/24	3/09/24			3/09/24	21/09/24	22/09/24	21/09/24	\$/09/04	5/09/24	5/09/24
att			658	8.25	8.03	7.99	8.02	8.2	8	8.05	8.01	7.28	7.81	7.94	8.5	7.88	7.51	7.78	7.88	5.84	6.59	8.56	Dry	Dry	7.06	8.13	8.07	6.87	8.32	10.07	7.78
Electrical Conductivity	u\$/cm		30-350	156	55	23	76	81	74	79	76	386	37	64	36	24	23	15	15	36	33	232	Dry	Dry	752	0	14	185	1050	483	1170
Oxidation Reduction Potential	mV		No Water Quality Objective Value	124	140	156	157	133	150	149	158	146	-68	109	97	114	130	104	112	182	145	71	Dry	Dry	-26	204	156	254	146	107	-26
Temperature	°C		No Water Quality Objective Value	12.33	9.65	13.67	12.98	11.48	11.97	11.29	12.55	16	11.8	12.2	8.95	8.94	11.28	9.34	11.87	8.08	7.84	15.57	Dry	Dry	12.8	8.7	10.02	6.22	10.76	10.92	15.85
Dissolved Oxygen	X saturation		90-110	170.7	120.6	116.9	205	106.1	176.4	114.9	177.8	74	92.1	91.3	131.7	100.9	92	97.1	97,3	57.4	71.8	111.9	Dry	Dry	105.1	66.1	67	257.6	92.9	103.9	88.4
Turbidity	NTU		2-25	11.8	4.9	8.7	8.5	11	6.3	0	1.3	11.6	5.8	3.4	12	16.7	13.5	2.1	5.1	28.6	42.1	12.7	Dry	Dry	0	11.4	10.9	15	1000	90.1	55.5
Laboratory analytes											_					-															
TSS Hardness as CaCO3	mg/L mg/L	5	No Water Quality Objective Value No Water Quality Objective Value	- 3	- 6	- 6	7	0	- 6	4	6	- 6	4		5	5	5	3		3	-6	6 230	Dry	Dry	-45	28	6	3	469	34	19
Nutrients			the state of the state of the state	- 30	45	-30	-20		- 13	- 20	30	40	2	2	4		4	4	4	.4	•2	130	My	My	460	-4		~	~	- 4	
Ammonia as N	μ <u>γ</u> Λ.	10	13	<10	<10	<10	30	<10	<10	<10	30	<10	<10	<10	30	<10	10	90	80	10	<10	10	Dry	Dry	<10	80	50	60	600	110	<10
Nitrite + Nitrate as N (NOx)	ur/L	10	15	10	<10	40	10	<10	<10	<10	<10	14.900	<10	<10	<10	<10	<10	20	<10	20	20	\$4,700	Dry	Dry	24,200	140	<10	110	5,860	4.240	20,900
Kieldahi Nitrogan Total	ur/L	100	No Water Quality Objective Value	100	<100	100	<100	100	100	<100	100	200	300	300	100	<100	200	300	200	500	500	3,700	Dry	Dox	1,800	400	<100	<100	2,400	900	2.300
Nitrogen (Total)	ur/L	100	250	100	<100	100	<100	100	100	<100	100	15,100	300	300	100	<100	200	300	200	500	500	38,400	Dry	Dry	26,000	500	<100	100	8,300	5,100	23,200
Reactive Phosphorus	ur/L	1	15	3	8	4	5	3	4	4	4	5	1	1	2	3	-d	2	•	2	88	4	Drv	Drv	3	2	- 4	4	9	•	7
Phosphorus (Total)	Hall	10	20	30	40	20	30	30	<10	20	<10	140	20	10	40	40	30	40	50	30	140	42	Dry	Dry	30	60	40	20	410	50	40
Inorganics																				-											
Cyanide Total	HR/L	4	4		4	*		4	- 44	- 44	4	-44	- 44	-44	4	\$	4	4	- 4	- 4	- 44	\$	Dry	Dry	- 44		\$	- 44	- 44	<4	<4
Hydrocarbons																															
Oil and Grease	mg/L	1	5	<1.0	40	4 0	4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	40	4.0	4.0	4.0	<1.0	<1.0	<1.0	<1.0	Dry	Dry	4.0	4.0	4.0	<1.0	<1.0	41.0	4.0
Metals																															
Aluminium (dissolved)	HE/L	5	27	10	â	8	2	11	2	9	8	0	16	14	12	12	16	19	16	62	81	à	Dry	Dry	0	17	13	9	- 6	32	0
Aluminium (total)	HE/L	5	No Water Quality Objective Value	196	93	145	148	184	182	157	176	332	68	62						-		120	Dry	Dry	142	411	196	278	17,300	1,260	999
Arsenic (dissolved)	HE/L	0.2	0.8	0.2	<0.2	0.2	0.2	0.2	0.2	0.3	0.2	<0.2	<0.2	<0.2	40.2	<0.2	<0.2	<0.2	<0.2	0.4	0.5	1.7	Dry	Dry	<0.2	<0.2	<0.2	0.2	0	2.5	2.4
Arsenic (total)	HE/L	0.2	No Water Quality Objective Value	0.3	<0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	<0.2	<0.2						-	-	1.7	Dry	Dry	0.2	0.3	<0.2	0.2	10.6	2.8	3.3
Chromium (III+VI) (dissolved)	HE/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.3	7.2	Dry	Dry	1.4	<0.2	<0.2	<0.2	54.9	90.5	5.2
Chromium (III+VI) (total)	HE/L	0.2	No Water Quality Objective Value	0.5	<0.2	0.4	0.4	0.5	0.5	0.5	0.5	1.0	0.3	2.2						-	-	7.2	Dry	Dry	1.5	0.6	0,4	0.5	104	87.0	7.2
Copper (dissolved)	HE/L	0.5	1	<0.5	<0.5	-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-0.5	<0.5	<0.5	-0.5	<0.5	<0.5	<0.5	<0.5	Dry	Dry	<0.5	<0.5	40.5	<0.5	1.7	0.6	2.1
Copper (total)	HE/L	0.5	No Water Quality Objective Value	<0.5	<0.5	405	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.7	<0.5					-	-		0.6	Dry	Dry	0.5	0.6	<0.5	0.6	39.9	2.8	3.9
Iron (dissolved)	HE/L	2	300	16	6	16	14	16	16	14	16	3	26	24	16	20	30	48	32	260	267	4	Dry	Dry	- 4	87	32	4	4	- 4	4
iron (total)	HE/L	2	No Water Quality Objective Value	132	8	95	96	125	127	101	128	240	78	34					-	-		8	Dry	Dry	110	628	211	239	26,300	1,640	1,080
Lead (dissolved)	HE/L	0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Dry	Dry	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Lead (total)	HE/L	0.1	No Water Quality Objective Value	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.3	<0.1	<0.1			-			-	-	0.1	Dry	Dry	0.3	0.3	0.1	<0.1	46.0	2.9	2.5
Manganese (dissolved)	HE/L	0.5	1,200	1.2	1.4	1.4	4.0	1.3	1.4	2.0	2.4	49.8	2.2	1.8	2.2	2.3	4.0	1.0	4.1	20.4	18.3	-0.5	Dry	Dry	3.6	67.0	2.8	10.1	0.9	<0.5	2.1
Manganese (total)	HE/L	0.5	No Water Quality Objective Value	3.4	2.7	2.7	5.6	3.2	4.0	3.3	5.4	61.2	3.1	2.7								5.1	Dry	Dry	6.2	123	5.7	11.9	675	41.7	68.8
Nickel (dissolved)	HE/L	0.5	8	-0.5	<0.5	-0.5	<0.5	<0.5	40.5	<0.5	<0.5	-0.5	<0.5	<0.5	-0.5	<0.5	<0.5	-0.5	<0.5	0.9	1.0	-0.5	Dry	Dry	-0.5	-0.5	<0.5	1.9	0.9	40.5	1.0
Nickel (total)	HE/L	0.5	No Water Quality Objective Value	<0.5	<0.5	-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5							-	0.9	Dry	Dry	0.6	<0.5	-0.5	2.2	84.9	5.8	3.2
Silver (dissolved)	HE/L	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silver (total)	HE/L	0.01	No Water Quality Objective Value	<0.01	40.01	40.01	+0.01	<0.01	<0.01	0.02	<0.01	40.01	<0.01	40.01								<0.01	Dox	Dry	<0.01	<0.01	40.01		0.06	<0.01	<0.01
Zinc (dissolved)	HE/L	1	2.4	-1	- 4	- 4	-	- 4	4	4	4	2	-	- 4	- 4	<d< th=""><th>1</th><th>- 4</th><th>2</th><th>1</th><th>1</th><th>1</th><th>Dry</th><th>Dry</th><th>- 4</th><th>4</th><th>- D</th><th>0</th><th>4</th><th>4</th><th>&lt;1</th></d<>	1	- 4	2	1	1	1	Dry	Dry	- 4	4	- D	0	4	4	<1
Zinc (total)	HEA.	1	No Water Quality Objective Value	4	4	4	4	4	4	4	4	4	d	4								6	Dry	Dry	2	1	4	-4	152	8	6

Water Quelity Cólyctive values for surface water rafer to the default trigger values for physical and chemical stressors in south-east Australia (spland rivers) for the
protection of XMX of equatic spaces AVECCC\_ANDCAVE\_DODD), they are not pollutent limits imposed by ETV 2286.
 Sample on requested with location.





#### Snowy Hydro 2.0 Main Works

### Monthly EPL Sampling: 01 - 30 September 2024 - Treated Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*		
Flow Rate	Ì			4/09/2024	
Inflow <sup>#</sup>	ML/day	-	-	-	0.0
Outflow <sup>#</sup>	ML/day	-	4.32 (EPL 43 / 50)	-	
Field					
pH	pH Unit	-	6.5-8.5	7.45	-
Electrical Conductivity	μS/cm	-	700 (EPL 41) / 200 (EPL 50)	315	-
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	105	
Temperature	°C	-	15	11.38	
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	52.2	-
Turbidity	NTU	-	<25	25.8	-
Laboratory analytes					
Total suspended solids	mg/L	5	5/10	<5	-
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	2	
Nutrients					
Ammonia as N	µg/L	10	200/2000^	170	-
Kjeldahl Nitrogen Total	μg/L	100	No Water Quality Objective Value	200	
Nitrogen (Total)	µg/L	100	350/-^	500	
Reactive Phosphorus	μg/L	1	No Water Quality Objective Value	7	
Phosphorus (Total)	μg/L	10	100/300^	10	-
Inorganics					
Cyanide Total	μg/L	4	No Water Quality Objective Value	<4	-
Hydrocarbons					
Oil and Grease	mg/L	1	2/5^	<1.0	-
Metals					
Aluminium (dissolved)	μg/L	5	55	<5	
Arsenic (dissolved)	μg/L	0.2	13	0.5	
Chromium (III+VI) (dissolved)	μg/L	0.2	1	36.8	
Copper (dissolved)	μg/L	0.5	14	<0.5	
Iron (dissolved)	μg/L	2	300	<2	
Lead (dissolved)	μg/L	0.1	3.4	<0.1	-
Manganese (dissolved)	μg/L	0.5	1,900	7.1	
Nickel (dissolved)	μg/L	0.5	11	< 0.5	
Silver (dissolved)	μg/L	0.01	0.05	< 0.01	
Zinc (dissolved)	μg/L	1	8	<1	
Biological					
Faecal Coliforms	CFU/100mL	1	10/100^	<1	
Biological Oxygen Demand	mg/L	2	5	<2	

EPL 41	EPL 43	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49	EPL 50
			<u>.</u>				
4/09/2024							29/09/2024
-	0.0000	0.0483	0.0135	0.0473	0.0164	0.0384	-
-	-	-	-	-	-	-	-
7.45	-	-	-	-	-	-	5.69
315	-	-	-	-	-	-	222
105	-	-	-	-	-	-	35.1
11.38	-	-	-	-	-	-	14.2
52.2	-	-	-	-	-	-	67.2
25.8	-	-	-	-	-	-	2.5
<5	-	-	-	-	-	-	<5
2	-	-	-	-	-	-	<1
			-	-			-
170	-	-	-	-	-	-	1060
200	-	-	-	-	-	-	2100
500	-	-	-	-	-	-	5900
7	-	-	-	-	-	-	<1
10	-	-	-	-	-	-	10
<4	-	-	-	-	-	-	11.00
<1.0	-	-	-	-	-	-	<1.0
<5	-	-	-	-	-	-	12
0.5	-	-	-	-	-	-	0.5
36.8	-	-	-	-	-	-	2.8
<0.5	-	-	-	-	-	-	<0.5
<2	-	-	-	-	-	-	<2
<0.1	-	-	-	-	-	-	<0.1
7.1	-	-	-	-	-	-	<0.5
<0.5	-	-	-	-	-	-	<0.5
< 0.01	-	-	-	-	-	-	<0.01
<1	-	-	-	-	-	-	<1
<1	-	-	-	-	-	-	<1
<2	-	-	-	-	-	-	<2

Note: Treated water was not being discharged at Talbingo ot Tantangara Reservoirs at the time of EPL sampling.

There is no 100th percentile limit for Nitrogen (Total).

\* Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works ElS.

Samples not required

^ 90 Percentile concentration limit/100 Percentile limit

Inflows to STP and CWTP do not directly correspond to outflow at RO as much of the water is reused on site





## Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01 - 30 September 2024 - Treated Water

Date		arge volume legalitres)		
1/09/2024	-	-		0.17
2/09/2024	-	-	1	0.23
3/09/2024	-	-	1	0.16
4/09/2024	-	-	1	0.26
5/09/2024	-	-	1	0.20
6/09/2024	-	-	1	0.20
7/09/2024	-	-	1	0.20
8/09/2024	-	-	1	0.21
9/09/2024	-	-	]	0.32
10/09/2024	-	-	1	0.33
11/09/2024	-	-	1	0.10
12/09/2024	-	-	1	0.21
13/09/2024	-	-	]	0.23
14/09/2024	-	-		0.21
15/09/2024	-	-	1	0.32
16/09/2024	-	-	1	0.32
17/09/2024	-	-	1	0.21
18/09/2024	-	-	1	0.21
19/09/2024	-	-	1	0.18
20/09/2024	-	-	]	0.24
21/09/2024	-	-	]	0.29
22/09/2024	-	-	]	0.27
23/09/2024	-	-		0.35
24/09/2024	-	-	]	0.26
25/09/2024	-	-		0.25
26/09/2024	0.63	-		0.30
27/09/2024	-	-		0.27
28/09/2024	-	-		0.44
29/09/2024	-	-		0.28
30/09/2024	-	-		0.21
	-	-		0.17

EPL 43 \*

EPL 50 ^

EPL 44	EPL 45	EPL 47	EPL 48	EPL 49
	Discharg	ge volume (Me	egalitres)	
0.17	0.071	0.12	0.77	0.20
0.23	0.071	0.15	0.08	0.08
0.16	0.052	0.08	0.07	0.19
0.26	0.047	0.16	0.08	0.42
0.20	0.059	0.25	0.03	0.19
0.20	0.050	0.17	0.07	0.26
0.20	0.049	0.17	0.08	0.37
0.21	0.046	0.17	0.08	0.44
0.32	0.048	0.23	0.08	0.43
0.33	0.049	0.08	0.08	0.51
0.10	0.055	0.15	0.08	0.46
0.21	0.063	0.17	0.09	0.19
0.23	0.051	0.18	0.08	0.28
0.21	0.045	0.17	0.13	0.25
0.32	0.045	0.18	0.04	0.06
0.32	0.062	0.19	0.08	0.48
0.21	0.048	0.16	0.08	0.76
0.21	0.046	0.15	0.08	0.79
0.18	0.064	0.21	0.16	0.78
0.24	0.069	0.18	0.08	0.71
0.29	0.053	0.18	0.07	0.45
0.27	0.057	0.14	0.08	0.82
0.35	0.051	0.15	0.09	0.36
0.26	0.054	0.24	0.08	0.87
0.25	0.042	0.19	0.06	0.76
0.30	0.085	0.21	0.08	0.87
0.27	0.055	0.20	0.08	0.49
0.44	0.053	0.19	0.09	0.88
0.28	0.039	0.24	0.08	0.39
0.21	0.048	0.20	0.16	0.40
0.17	0.068	0.21	0.09	0.03

Note: The EPL discharge volume limit for EPL 43 and 50 is 4.32 megalitres per day. Compliance with this criteria was met during the reporting month.

\* The maximum flow rate capacity for Lobs Hole STP/PWTP during the reporting month was 0.0 ML/day.

^ The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 0.0 ML/day

Water not discharged on this day





# **OCTOBER 2024**

			Snowy Hydro 2.0 Main Works																							
	Monthly El	L Sampling: 01-	31 October 2024 Groundwater																							
					1																				1 1	
				EPL56	EPL57	EPL58	EPL68	EPL69	6PL70	EP1.72	EPL78	EPL80	EPL81	EPL82	EPLER	EPL87	EPL 88	EPL 89	EPL 90	EPL 91	EP182	EPL88	EPLM	EPL85	EPL96	EPL97
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*																							
Physiochemical				15/10/2024	15/10/2024		19/10/2024		19/10/2024	6/10/2024	6/10/2024	1/10/2024	1/10/2024		1/10/2024		1/10/2024	1/10/2024	15/10/2024	15/10/2024	15/10/2024		15/10/2024	15/10/2024	15/10/2024	15/10/2024
<u>ali</u>	off Unit		654	7.43	7.85	5.88	7.88	7.8	5.78	7.84	7.69	675	6.41	6.66	6.81	6.74	6.92	7.51	637	6.92	7.05	674	7.32	82	631	6.02
Rectrical Conductivity	s5/cm		20-250		252	809	30	28		210	64		-112	2970	643	597	1910	348		325	160	682	273			478
Oxidation Reduction Fotential		•	No Water Quality Objective Value	192	17.85	266	136	213	278	10.24	263	4	-112	17.13	114	15.02	17.05	108	182	209	16.69	36.76	230	271	243	220
Tempenture	Naturation		No Water Quality Objective Value	22.7	165	50.1	28.7	87.1	71.2	62.1	81.3	75.7	14.75	18.6	61.1	89.8	21.6	61.7	61	26.3	54.7	264	45.1	15.9	25.5	18.12
Disached Ocyana Turbidity	NTU		No Water Quality Objective Value No Water Quality Objective Value	185	195	60.1	61	41	64.5	45.9	54.1	79.1	105	175	1000	1000	7.1	114	246	92.7	38.7	200	283	108	283	107
	-		No make classify collective value	48.4		96.4		<b>N</b> 4	01.3	54.5		18.4	450				7.4		279	86.7	1000	200	200	108		447
Laboratory analytes TSS			No Water Quality Objective Value	21	301	170	36	54	24	117	294	16	116	224	2,520	1,360	4	64	\$79	59	620	176	196	160	1,240	229
100			No Water Quality Objective Value No Water Quality Objective Value	137	127	309	d	al d	16	11/	20	36	344	1,350	2,500	28	124	59	5/8	126	50	121	196	183	287	151
Hardness as Ca000	maA	1	No water chally objective value	347	11/	209	4	4	16	11	20	317	344	1,250	EV .	<u>n</u>	124	59	15	1/6	30	1/1	8/	114		154
Nutrienta	_																									
Ammonia as N Nitrite + Nitrate as N (Nos)	H6A	30	13	<0	10	20	<10	<10	70	<00 d0	20	30	40	130	10	20	260	<00	<10	40	30	10	<10	29,400	<10	10
Kjeldahi Nitrogen Total	HeA.	100	15 No Water Quality Objective Value	200	400	16100	1,240	<100	400	<100	10	200	200	10	1,600	2,600	600	220	400	200	400	20	200	24,400	6,000	400
Resident Nitrogen (data Nitrogen (Total)	964	100	No water Quality Objective Value 250	200	1000	16,100	1,200	200	600	<100	200	200	200	900	6,400	6,200	600	500	400	200	400	300	200	17,000	34,000	1,000
Reactive Photohorus		100	250	200	1,000	64,100	1,200	200	100	400	10	200	200	100	4,400	6,000	13	500	700	200	400	200	200	11,000	34,000	1,000
Phosphorus (Total)			20		360			40	12	14	10	100	100	500		140	100	100	200	100	140	250	130	200	250	120
					200	19			19	~	~	164	200	144	14	174	100	104	200	100	499	100	449	200		479
Cyuride Total	PRA.		4										-													
Hydrocarbone Off and Grease	mg/L			×10	<10	<10	<10	<10	<10	<10	<10	20	20	40	<10	21.0	<1.0	<1.0	<10	21.0	<10	<1.0	<1.0	<1.0	<10	<10
Charle Grade			4	410	410	<b>410</b>	410	400	410	410	400	20	800	40	410	KLU	<lu< th=""><th>410</th><th>410</th><th><l0< th=""><th><l0< th=""><th>KLU</th><th><lu< th=""><th>&lt;1.0</th><th>- 410</th><th>&lt;0.0</th></lu<></th></l0<></th></l0<></th></lu<>	410	410	<l0< th=""><th><l0< th=""><th>KLU</th><th><lu< th=""><th>&lt;1.0</th><th>- 410</th><th>&lt;0.0</th></lu<></th></l0<></th></l0<>	<l0< th=""><th>KLU</th><th><lu< th=""><th>&lt;1.0</th><th>- 410</th><th>&lt;0.0</th></lu<></th></l0<>	KLU	<lu< th=""><th>&lt;1.0</th><th>- 410</th><th>&lt;0.0</th></lu<>	<1.0	- 410	<0.0
Alaminian (displese)				6	-		-		-		6	-	4	-	-	4	4		6	-	-	-	-	-	-	
Aluminium Istacher			No Water Quality Objective Value	54	1.640	2430	000	1 340	1140	1950	1010	0 (H)	1410	1000	26,200	22,600		910	3 540	475	2,660	0		1,000	5100	1500
Arenic (displayed)		0.2	0.4	<0.2	2.0	412	40.2	<0.2	<0.2	0.2	<0.2	9.4	1.9	4.4	2.9	0.3	95	0.2	40.2	0.5	9.4	14.8	0.5	12	40.2	10
Americ botal	140	0.2	No Water Quality Objective Value	0.4	2.9	4.3	0.2	0.5	0.2			66.5	66.0	19.1	\$3.2	7.9	21.5	0.7	2.6	4.4	2.2	17.4	67	4.1	62	4.6
Occupies (II-VI) (dissolved)	net.	0.2	0.01	<0.2	<0.2	1.2	<0.2	<0.2	<0.2	402	0.2	0.6	42	402	25.8	17.3	-0.2	40.2	<0.2	<0.2	40.2	<0.2	<0.2	<0.2	0.4	40.2
Chronium (III-W) (total)	And a	0.2	No Water Quality Objective Value	1.9	2.8	9.8	14	1.1	1.8			12	2.1	1.6	100	75.7	0.3	1.5	8.0	2.8	3.0	1.2	2.8	21	13.4	4.0
Copper (displayed)	100	0.5	1	20.1	4.0	<0.5	2.5	<0.5	29.5	280	1.1	<0.5	40.5	40.5	3.4	1.2	40.5	8.0	40.5	40.5	-01.5	40.5	<0.5	2.4	<0.5	<0.5
Copper flotal)	And a	0.5	No Water Quality Objective Value	63.0	75.3	5.4	7.4	2.2	45.7			0.7	2.4	0.5	\$8.G	41.8	1.8	31.9	7.9	15	4.4	0.6	14	11.1	12.5	1.8
iron (dissolved)	PIG/L	2	300	4	4	4	4	11	4	\$	4	4	6	918	3	s	3	Å	4	Å	Å	4	Å	Å	4	4
iron (total)	Hg/L	2	No Water Quality Objective Value	718	1,990	5,080	413	864	702			3,520	6,900	3,760	36,100	28,100	311	841	4,700	2,200	1,900	670	2,680	1,740	9,790	2,900
Lead (disasted)	Hg/L	0.1	1	<0.1	<0.1	0.4	<0.1	<0.1	<li>41</li>	<0.1	<0.1	<li>41</li>	4.1	4.1	<0.1	40.1	411	411	<li>411</li>	40.1	1.7	- 411	40.1	40.1	<0.1	0.2
Lead (total)	He/L	0.1	No Water Quality Objective Value	3.0	4.6	31.8	0.3	1.0	3.0		-	40.1	2.0	1.9	49.1	33.4	411	3.0	11.6	17.7	62.1	2.1	4.0	62	48.5	22.7
Manganese (disolved)	PEA.	0.5	1,200	5.7	47.6	51.0	2.8	<0.5	3.6	7.1	9.4	222	227	386	13.9	32.2	384	10.3	21.0	69.6	183	256	668	411	51	537
Manganese (total)		0.5	No Water Quality Objective Value	47.4	168	344	17.4	\$1.9	23.0	17	16	242	253	415	913	500	231	20.4	115	327	246	281	608	455	502	624
Nickel (dissolved)		0.5		40.5	40.5	2.8	0.8	40.5	10	17	16	18.2	2.4	32	2.1	1.7	49	22	15.6	40.5	28	14	21	10.2	12	4.9
Nickel (total)		0.5	No Water Quality Objective Value	2.2	64	11.2	1.7	14	2.0	-0.01	(0.01	22.0	52	48	101	76.7	66	45	15.6	2.7	7.6	17	32	14.3		
Silver (disployed)	Aue	0.01	0.02 No Water Quality Objective Value	40.05	40.05	40.01	400	4001	40.01	<1.01	<101	40.01	40.01	40.01	40.01	40.01	40.01	40.01	40.01	-0.01	40.01	4.01	4001	40.01	4001	40.01
Silver hotall Disc (displayed)		0.01	No Water Guality Objective Value	40.01	0.02	0.22	4101	4101	40.01			1.28	41.01	41.01	0.20	0.08	40.01	40.01	0.02	0.02	0.03	41.01	40.01	0.01	0.07	0.01
Zinc (discoved) Zinc fluttel)			2.4 No Water Quality Objective Value	10	1			4	2	1	4		-		224	139	-		15	4	21	4	115	8	4	36
405.0550			the state of the state state	- 14	10				1							10	4		1		-		- 40	40	<u> </u>	

Water Chailty Objective values for enconductor refer to the defluit trigger values for obvical and chemical streages in coath the contection of 99% of assume coacies AVECC / AVEC/AVEC 20000, they are not collutant limits imposed by FPL 21366. Sample not required at this location. wast Australia fuoland rivers) fo





Monthly EPL Sampl	ing: 01-31 Octob		<u>Snowy Hydro 2.0 Main Works</u> ngo and Tantangara Reservoir	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL51
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*										
Fiel <u>d</u>				7/10/24	7/10/24	16/10/24	16/10/24	16/10/24	16/10/24	5/10/24	13/10/24	16/10/24	16/10/24
рН	pH Unit	-	6.5-8	7.62	7.58	7.14	6.73	7.31	7.28	6.57	8.08	6.55	6.58
Electrical Conductivity	μS/cm	-	20-30	63	55	16.8	16.5	16.6	16.7	20	70	18.1	16.5
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	174	193	203.5	179.7	226	223.1	194	-78	226.4	221.3
Temperature	°C	-	No Water Quality Objective Value	14.42	14.75	10.8	12.6	12.5	13	12.06	16.98	12.5	12.5
Dissolved Oxygen	% saturation	-	90-110	110	72.2	88.6	91.2	91.6	93.5	69.2	62.5	91.2	90.9
Turbidity	NTU	-	1-20	22.3	10.6	3.86	4.3	4.37	4.33	11	31	4.55	4.51
Laboratory analytes											1	I	
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	-6	-6	చ	-5	-5	10	6	-6	-6
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	26	19	2	2	2	2	- 4	2	2	2
Nutrients													
Ammonia as N	μg/L	10	10	<10	<10	10	40	50	30	<10	10	100	40
Nitrite + Nitrate as N (NOx)	µg/L	10	10	<10	<10	<10	30	30	40	<10	10	60	50
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	200	200	300	300	400	200	100	300	300
Nitrogen (Total)	µg/L	100	350	200	200	200	300	300	400	200	100	400	400
Reactive Phosphorus	μg/L	1	5	6	5	3	4	-4	4	1 <10	<1	4	<1
Phosphorus (Total)	µg/L	10	10	40	20	20	20	20	20	<10	30	50	10
Inorganics Cvanide Total		4	7	<4	<4	~4		<4	<4		<4	~4	<4
	µg/L	4	/	<4	- 64	<4	<4	<4		-4	<4		<4
Hydrocarbons Oil and Grease	mg/L	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	mg/L	1		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals		5	55	8	8	15	32	31	31	19	-6	30	29
Aluminium (dissolved) Arsenic (dissolved)	<u>μg/L</u> μg/L	0.2	13	0.2	0.2	<0.2		31 ⊲0.2	<0.2	19 <0.2	<0.2		29 <0.2
Chromium (III+VI) (dissolved)	με/L	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2 ⊲0.2	<0.2	<0.2	<0.2	0.4	<0.2 <0.2
Copper (dissolved)	μg/L	0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	13	11	57	90	88	89	37	3	89	87
Lead (dissolved)	μg/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	⊲0.1	<0.1	<0.1	<0.1	<0.1	⊲0.1
Manganese (dissolved)	μg/L	0.5	1,900	0.7	0.5	14.2	5.9	4.5	7.2	2.1	3.4	5.8	5.8
Nickel (dissolved)	μg/L	0.5	11	<0.5	<0.5	<0.5	⊲0.5	⊲0.5	⊲0.5	<0.5	<0.5	<0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	⊲0.01
Zinc (dissolved)	μg/L	1	8	<1	- 4	-4	4	<1	- 4	- 4	<1	- 4	<1
Bio <u>logical</u>												1	
Faecal Coliforms	CFU/100mL	1	10/100^	3	7	11	-	-	-	-	-	-	<1
Biological Oxygen Demand	mg/L	2	1/5*	5	5	4	-	-	-	-	-	-	4

Water Quality Objective values for Talbingo and Tantangara Reservoir refer to the default trigger values for physical and chemical stressors in south-east Australia (fresh lakes and reservoirs) for the protection of 95% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

90th percentile concentration limits / 100 percentile concentration limits

- Sample not required at this location.

\*\* Algal blooms can present as feacal coliforms - green tinge noted in Talbingo Resevroir water at time of sampling.





			Snowy Hydro 2.0 Main Works	·																											
	Monthly FPL	Sampling: 01 - 3	1 October 2024 - Surface Water																										. !	( I	
																														1	
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EP15	EPLS	EPLA	EP LO	EPL12	EPL14	EPLIS	EPLIS	EP124	EPL26	EP127	EPL30	EPUS1	EPL33	EP134	EPL35	EPL36	EP137	EPI52	69133	EPL54	EPL55	EPL66	EPL67	EPL71	EPL84	EPUIS	EPLB6
field	1			4/10/24	4/10/24	4/10/24	4/10/24	4/10/24	4/10/24	4/10/24	4/10/24	1/10/24	6/10/24	6/10/24	5/10/24	5/10/24	5/10/24	5/10/24	5/10/24	13/10/24	13/10/24	3/10/24	-	-	3/10/24	23/10/24	30/10/24	6/10/24	9/10/24	9/10/24	9/10/24
			654	7.45	6.7	6.65	6.69	6.62	6.64	6.7	6.58	7.18	7.11	7.9	6.4	6.42	6.68	6.57	7.46	5.9	6.66	8.1	Dry	Dry	7.33	7.97	7.97	7.44	8.28	9.33	9.33
Electrical Conductivity			10,250	81	60	93	82	81	78	77	88	301	63	33	29	24	22	29	17	52	60	969	Dry	Dry	875	26	52.5	64	837	482	1140
Oxidation Reduction Potential	u\$/cm		No Water Quality Objective Value	189	235	235	237	223	241	236	240	170	163	134	187	185	157	24	70	209	185	85	Dry	Dry	130	177	115	261	95.8	84.6	84.8
	mv tr			11.26	10.19	12.32	12.13	11.81	6.64	12.02	12.66	17.73	11.85	2,25	11.22	11.21	12.6	12.14	9.88	16.18	18,45	20.23	Dry	Dry	17.69	13,48	19.8	8.78	17.17	16.93	17.57
Temperature			No Water Quality Objective Value	106.7	25.4	89	90.8	26.4	89.8	91.8	80.1	70.9	107.5	26	71.2	71.2	84.7	86.3	83.2	100.4	30.9	20.25	Dry		76.7	94.5	92.1	86.1	25.8	84.6	84.8
Dissolved Oxygen	% saturation		90-110																					Dry	-						
Turbidity	NTU		2-25	3.4	7.9	6.2	3.7	3.7	3.5	3.8	10.4	23.4	19.2	5.8	10.1	7.1	6.3	20.5	14.8	0.3	56.5	25.3	Dry	Dry	8.2	20.2	2.96	67.5	1000	77.1	58
Laboratory analytes	mg/L		No Water Quality Objective Value	14	4	4	4		- 0	4		- 6	4	0		9	0	12	12		31	4	Dry	Dry	21	6		16	632		10
Hardness as CaCOS	mg/L	1	No Water Quality Objective Value	36	26	38	36	38	36	36	36	83	9	9	7	7	2	4	4	17	17	212	Dry	Dry	223	2	4	18	26	21	307
Nutrients																															-
Ammonia as N	μεΛ	10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	60	<10	<10	10	20	10	Dry	Dry	<10	3,580	20	<10	40	40	20
Nitrite + Nitrate as N (NOx)	ur/L	10	15	<10	<10	40	<10	<10	<10	<10	<10	12,900	<10	<10	120	<10	20	<10	<10	<10	<10	35,400	Dry	Dry	39,300	8,910	30	20	5,720	4,450	21,700
Kieldahi Nitrozen Total	μeΛ	100	No Water Quality Objective Value	<100	<100	100	100	200	100	100	100	600	<100	100	200	200	400	300	300	500	800	3,900	Dry	Dry	3,900	5,200	200	<100	4,600	1,400	1,600
Nitrogen (Total)	un A.	100	250	<100	<100	100	100	200	100	100	100	13,500	<100	200	300	200	400	300	300	500	800	39,300	Dry	Dry	43,200	14,100	200	<100	10,300	5,800	23,300
Reactive Phosphorus	us/L	1	15	9	12	10	9	8	9	7	8	7	6	8	3	4	4	1	4	4	3	2	Dry	Dry	6	4	4	8	13	5	7
Phosphorus (Total)	μen	10	20	10	20	30	20	20	<10	20	30	40	20	20	10	20	<10	20	10	30	80	20	Dry	Dry	20	20	10	80	1,390	<100	170
Inorganica																															
Cyanide Total	μųΛ	4	4	<4			<4	<4	- 64	- 4	<4	- 64	- 64		- 64	- 64	- 64	- 64	- 64	- 44	- 44	- 64	Dry	Dry	- 64	- 64		- 64		- 44	- 64
Hydrocarbona																															
Oil and Grease	mg/L	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	41.0	<1.0	<1.0	41.0	<1.0	<1.0	Dry	Dry	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals												_																			
Aluminium (dissolved)	μaγ	5	27	8	6	10	2	9	10	2	9	6	6	6	22	21	28	29	31	45	61	8	Dry	Dry	0	22	- 6	11	15	22	4
Aluminium (total)	μųΛ	5	No Water Quality Objective Value		•																	94	Dry	Dry	109	291	127		26,800	2,380	818
Arsenic (dissolved)	μeΛ	0.2	0.8	0.3	<0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.7	3.0	Dry	Dry	0.4	<0.2	<0.2	0.2	8.3	4.6	2.2
Arsenic (total)	μaγ	0.2	No Water Quality Objective Value		•		+0.2	<0.2	-			0.7								0.3	0.3	3.1	Dry	Dry	0.4	<0.2 <0.2	<0.2 <0.2		14.6 53.1	5.2	3.1 4.8
Chromium (III+VI) (dissolved)	μ <b>ε</b> /L	0.2	0.01	<0.2	<0.2	<0.2	40.2	40.2	<0.2	<0.2	<0.2	0.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3		9.8	Dry	Dry	3.1	40.2		<0.2		76.6	4.8
Chromium (III+VI) (total)	HR/L	0.2	No Water Quality Objective Value			-			-			-	-	•	-		•	-			-	9.8	Dry	Dry	3.3		0.2	-	129		
Copper (dissolved)	μaγ	0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40.5	+0.5	<0.5	<0.5	40.5	<0.5	<0.5	<0.5	<0.5	40.5	40.5	Dry	Dry	<0.5	-0.5	<0.5	40.5	2.2	0.6	2.0
Copper (total)	μ <b>ε</b> Λ.	0.5	No Water Quality Objective Value		•			•		- 14	13			13		- 27	•	•	- 48		487	40.5	Dry	Dry	0.6	-0.5	-05			3.7	
Iron (dissolved)	µg/L	2	300	13	6	12	13	12	13	14	13	6	15	13	34	27	84	46		336		4	Dry	Dry	251	383	3	24	28 40.500	<2 3.020	<2 964
Iron (total)	μ <b>ε</b> /L	2	No Water Quality Objective Value			-						-										70	Dry	Dry		388	208	-	40,500		40.1
Lead (dissolved)	HE/L	0.1	A Martine Country Objection 10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	+0.1	<0.1	0.1	<0.1 0.2	Dry	Dry	<0.1 1.4	<0.1	<0.1	<0.1	0.1	<0.1 3.4	40.1
Lead (total)	με/L	0.1	No Water Quality Objective Value 1,200	1.5	1.0	1.2	2.5	1.0	1.4	1.3	1.7	34.5	2.4	1.5	2.1	1.7	1.9	4.2	4.2	13.4	10.2	40.5	Dry	Dry	0.5	49.6	<0.1	11.7	51.9 <0.5	3.4	0.7
Manganese (dissolved)	με/L	0.5		1.5	4.0	4-4	45	4.0	- 44	43	6.7	<i>a</i> 13	24	4.5	4.1	-1	4.9		-4	13.4	10.2	7.8			14.9	49.0		44.7	833	61.7	45.5
Manganese (total) Nickel (dissolved)	μg/L ug/L	0.5	No Water Quality Objective Value	40.5			40.5	40.5	-0.5	40.5	40.5	-0.5	10.5	40.5	40.5	40.5	- 0.6		10.5	- 0.9	1.0	7.8	Dry	Dry	14.9	40.5	6 40.5	- 0.9	833	61.7 <0.5	45.5
			Bio Mater Coulds Objective Materia	40.5	-0.5	-0.5	+0.5	-0.5	-415	+0.5	-0.5	245	-015	-0.5	-44.5	-105	0.0	-0.5	-015	0.9	1.0	1.0			0.5	-0.5	405	0.9	103	8.6	2.8
Nickel (total) Silver (dissolved)	HE/L	0.5	No Water Quality Objective Value 0.02	<0.01	40.01	40.01	<0.01	<0.01	40.01	<0.01	<0.01	40.01	<0.01	40.01	40.01	<0.01	<0.01	40.01	<0.01	40.01	40.01	1.0	Dry	Dry	<0.01	40.01	<0.5	40.01	103	<0.01	<0.01
	με/L με/L	0.01		<0.01	+0.01	<0.001	<0.01	<0.01	40001	<0.01	<0.01	40.01	-0.01	40.01	40.01	40.01	40.01	40001	-0.01	40.01	40.01	<0.01	Dry	Dry	<0.01	40.01	<0.01	40.01	40.01	<0.01	<0.01
Silver (total)		0.01	No Water Quality Objective Value										- 4		- -		25				2	<0.01	Dry	Dry	40.01	40.01	<0.01	- 4	0.07	<0.01	<0.01
Zinc (dissolved)	µg/L	-	80	4	- C	4	A	4	4	A	4	2	4	4	- 4	4	25	1	1	- d	2	2	Dry	Dry	1	4	4 4	4	<1 191	13	4
Zinc (total)	HE/L	1	No Water Quality Objective Value	-				•	-	-		-	-	•	-	-		-	-			7	DIY	Dry	3	4	- d	-	191	13	5

Water Coally Objective values for surface water refer to the default trigger values for physical and channel downors in such-east Australia (spland rivers) for the
protection of 95% of separate spaces AVXICE AMACRAE (2003), they are not polyater limits imposed by DY. 22266.
 Sample not regular the hourism.



EPL 49

EPL 50

23/10/2024

-

-5.8 133.1 171.2 17.6 86.9 1.18 <5 <1 3580 5200 14100 <1 20 34.00 <1 <5 0.4 5

<0.5 <2 <0.1 <0.5 <0.5 < 0.01 <1 <1

<2



## Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01 - 31 October 2024 - Treated Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*
ow Rate			
Inflow <sup>#</sup>	ML/day	-	-
Outflow <sup>#</sup>	ML/day	-	4.32 (EPL 43 / 50)
eld			
pH	pH Unit	-	6.5-8.5
Electrical Conductivity	μS/cm	-	700 (EPL 41) / 200 (EPL 50)
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	15
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value
Turbidity	NTU	-	<25
aboratory analytes			
Total suspended solids	mg/L	5	5/10
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value
utrients			
Ammonia as N	μg/L	10	200/2000^
Kjeldahl Nitrogen Total	μg/L	100	No Water Quality Objective Value
Nitrogen (Total)	μg/L	100	350/-^
Reactive Phosphorus	μg/L	1	No Water Quality Objective Value
Phosphorus (Total)	μg/L	10	100/300^
norganics			
Cyanide Total	μg/L	4	No Water Quality Objective Value
lydrocarbons			
Oil and Grease	mg/L	1	2/5^
letals			
Aluminium (dissolved)	μg/L	5	55
Arsenic (dissolved)	μg/L	0.2	13
Chromium (III+VI) (dissolved)	μg/L	0.2	1
Copper (dissolved)	μg/L	0.5	14
Iron (dissolved)	μg/L	2	300
Lead (dissolved)	μg/L	0.1	3.4
Manganese (dissolved)	μg/L	0.5	1,900
Nickel (dissolved)	μg/L	0.5	11
Silver (dissolved)	μg/L	0.01	0.05
Zinc (dissolved)	μg/L	1	8
iological			
Faecal Coliforms	CFU/100mL	1	10/100^
Biological Oxygen Demand	mg/L	2	5

EPL 41

EPL 43

EPL 44

EPL 45

EPL 47

EPL 48

Note: Treated water was not being discharged at Talbingo ot Tantangara Reservoirs at the time of EPL sampling.

There is no 100th percentile limit for Nitrogen (Total).

Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS. .

Samples not required -

^ 90 Percentile concentration limit/100 Percentile limit

. Inflows to STP and CWTP do not directly correspond to outflow at RO as much of the water is reused on site





## Snowy Hydro 2.0 Main Works Monthly EPL Sampling: 01 - 31 October 2024 - Treated Water

Date		ge volume alitres)
1/10/2024	-	-
2/10/2024	-	-
3/10/2024	-	-
4/10/2024	0.01	-
5/10/2024	-	-
6/10/2024	-	-
7/10/2024	0.85	-
8/10/2024	-	-
9/10/2024	-	-
10/10/2024	-	-
11/10/2024	0.48	-
12/10/2024	-	-
13/10/2024	0.57	-
14/10/2024	-	-
15/10/2024	0.35	-
16/10/2024	0.49	-
17/10/2024	-	-
18/10/2024	-	-
19/10/2024	-	-
20/10/2024	-	-
21/10/2024	-	-
22/10/2024	-	-
23/10/2024	-	-
24/10/2024	-	-
25/10/2024	-	-
26/10/2024	-	-
27/10/2024	-	-
28/10/2024	-	-
29/10/2024	-	-
30/10/2024	-	-
31/10/2024	-	-

EPL 44	EPL 45	EPL 47	EPL 48	EPL
	Dischar	ge volume (Me	egalitres)	
0.60	0.05	0.12	0.10	0.4
0.58	0.05	0.15	0.08	0.6
0.53	0.07	0.08	0.09	0.8
0.46	0.04	0.16	0.08	0.5
0.18	0.05	0.25	0.08	0.54
0.44	0.05	0.17	0.08	0.4
0.71	0.05	0.17	0.07	0.5
0.66	0.05	0.17	0.07	0.74
0.70	0.05	0.23	0.09	0.6
0.74	0.04	0.08	0.10	0.3
0.51	0.06	0.15	0.09	0.4
0.87	0.05	0.17	0.08	0.7
0.84	0.04	0.18	0.07	0.74
0.69	0.04	0.17	0.08	0.7
0.69	0.04	0.18	0.08	0.5
0.70	0.05	0.19	0.07	0.6
0.67	0.06	0.16	0.07	0.7
0.42	0.07	0.15	0.08	0.4
0.66	0.04	0.21	0.07	0.4
0.61	0.00	0.18	0.08	0.9
0.46	0.00	0.18	0.07	0.5
0.57	0.00	0.14	0.08	0.3
0.65	0.00	0.15	0.05	0.1
0.54	0.00	0.24	0.06	0.4
0.50	0.26	0.19	0.08	0.54
0.56	0.06	0.21	0.07	0.6
0.45	0.04	0.20	0.06	0.7
0.67	0.06	0.19	0.07	0.7
0.61	0.07	0.24	0.06	0.1
0.46	0.02	0.20	0.07	0.3
0.26	0.07	0.21	0.07	0.2

Note: The EPL discharge volume limit for EPL 43 and 50 is 4.32 megalitres per day. Compliance with this criteria was met during the reporting month.

EPL 43 \*

EPL 50 ^

٠ The maximum flow rate capacity for Lobs Hole STP/PWTP during the reporting month was 9.84 ML/day.

۸ The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 0.0 ML/day

Water not discharged on this day -





# **NOVEMBER 2024**

#### Snowy Hydro 2.0 Main Works

	Monthly EP	Sampling: 01	-30 Nov 2024 Groundwater																											
				1913	192	8754	6928	17536	6957	87536	17.46	175.00	89570	896.72	89578	675.00	8948	1940	17.00	19187	171.00	1740	871.90	891.85	87.82	1740	175.04	17100	87136	89107
Analyte	Unit	Linit of Reporting	Water Quality Objective Value*																											
Physiochemical				4/11/34	4/11/26	12/11/04	4/11/24	\$/11/04	8/11/26	\$/11/24	43398	41518	45518	6404	61604	45602	45602	6402	61602	45802	45.902	6402	4465	45405	45.403	66601	64601	45405	45403	6960
-	pin task		654	8.68	7.58	7.58	6.81	8.02	8.2	8.08	6.26	6.17	6.07	6.18	6.67	6.88	6.83	6.75	7.27	8.64	7.08	6.68	5.67	8.68	7.81	7.18	6.74	5.88	6.94	6.27
Kestrinal Conductivity	and form		10110	460	838	1810	800	287	289	902	8.6	18.7		45	61	883	295	250		462	827	367	10	260	180	262	100	100	1100	429
Oxidation Reduction Potential	100		No Water Quality Objective Value	-01	-123	-130	4	58	81	85	257.4	272.8	292.1	78	125	41	-40		-	82	-120				82		-42			
To concerning the	*		No Water Coality Divisitive Wiles	18.08	18/27	17.77	16.45	18.44	18.88	17.88	18.4	33.3	15.4	11.87	11.89	18,27	17.88	18.88	17.48	35.78	18.6	6.00	12.23	38.47	17.82	17.42	12.03	38.08	18.05	17.64
Disasted Covers	Nuteration		No Water Quality Oktestive Wilso	41.4	25.9	11.5	18.4	29.2	41.8	17.8	80.2	87.7	8.5	40.2	<b>60</b> 2	22.5	17.2	12.1	394	84.8	80	26.6	34.8	0	47.3	17.1	26.8	04	82.6	
Twisidity	NTU		No Water Quality Objective Value	201	887	1000	96.8	88.7	81.2	208	3.36	2.48	22.55	188	10.3	134	228	130	2000	1000	14	128	840	29.8	228	362	M.7	109	870	38.4
Laboratory analytes																														
735	mg/L	8	No Water Gas By Digettive Value	-	181	3,350	88	88	61	71	12	4	38	174	84	18	81	479	975	7,430	\$	80	1,080	72	438	382	328	138	367	181
Nandress as CaCO 1	and.	1	No Water Quality Objective Value	256	133	218	218	130	112	292	7	3	17	18	22	877	288	1.300	128	108	282	28		118	43	117	28	128	443	188
Nutrients.																														
Americania as N	and the	10	10	20	**	540	340	<30	<10	<10	70	*	80	20	20	20	40	40	70	180	800	<10	<10	<10	<10	10	<10	<00	<10	<10
Nitrite + Mitrate as N (NOv)	-	10	18	80		28,200	<10	20	410	\$2,300	NC)	140	800	20	20	- 10		<10	2,000	4420	<10	80	210	140	80	<10	-10	14,700	18,800	180
Kjeklahi Mitrogen Tutal	100	100	No Water Guality Objective Value	<100	200	6,200	800	-000	-000	2,600	200	100	200	100	100	200	100	300	500	4.600	1.600	300	4.000	500	400	<100	<100	1.800	2,400	<100
Nitragen (Tatal)	and a	100	260	<100	200	28,400	800	<100	400	35,800	1000	200	200	300	100	200	100	200	2.900	8100	1.600	800	4,300	600	400	<100	<100	18,800	21,300	300
Reactive Phosphorus	-	1	18	4	**	18	1	1	11	2	-	1	38	15				4	11		7		4		4	18	4		1	
Phonohorus (Total)	-	10	20	20	20	2,840	300		40	40	-10	20	30	40	10	10	110		210	2.540	230	10	1,280		80		80	80	380	
a second a																														
Crankle Tutal	wh.	4	4		-	-		-	-		-	- 44					- 4	-		- 4	4		- 4	- 4			-		-	
Weingerfaces		-							_		-									-		-							_	
Oli and Greate	math.					-		-10	410	-10	- 10	\$1.0	-0.0		-10	-10	- 20		-10	-10	-20		-10	40	- 20	- 10	-10	-10	-0.0	-10
March .					-	-					2110	100			210	21.0			2110	214	100		214				31.0		344	
Abaribian (total)	and the		No Water Quality Didettive Value					***	1,840	833	454	766	1.560	3470	887	58	582	1.510	18 100	877.000	-	406	18,790	158	5,000	3.490	1,800	1.990	8,850	1,810
Abushium (disadved)	-		No were calling capacity of the	-				4	3	1		12	4			4			10,000	-	4	4		-			4	4	-	
Amerik Botel	-	62	No Water Quality Didetilive Value			-		0.5	27	13	400	02	0.8	-	0.0		80.0	84.2	65.4	36.4	28.2	6.8	64	4.0		204	34.4	8.0	8.0	80
Amerik (dischool)	-	62	0.8	1.0	1.6	43	1.0	0.2	1.8		402	40.7	41	62	402	22	44	2.5	10	40.3	10	63	-03	0.5	63	84	0.4	0.0	6.2	6.8
Chronium (Switt Burg)	and the second s	62	No Water Chailty Chiester Value					18	81	1.5	0.8	08	8.1		0.0	14	1.0	2.8	81.0				114	10			\$2	44	15.8	
Chronium Strevil Minutesia	-	67	0.01	-03				-01			-0.2	-0.1	-01	-0.1													-01			-02
Current Autal	-	65	No Water Case Ity Distantive Value	-				80.8				14	276	10		1.			22.0		114			10		41	12	181	14.8	1.8
Copper (disached)	-	0.5	1	18		74			18	-03	45	-0.5	10.1	M1	0.0	-05			17	-05	- 23	10	-05	-03	-03	-03	-05	17	-03	-03
tron (tutal)	and a	1	No Water Gas Ity Digettive Wike					1.140	1400	1.430	234	442	1,000	4.900	414	8,780	1.00	7,390	28,100	250,000	815	418	18,200	1.680	\$ 210	8,300	5.000	3,360	11.800	2,160
true (deadwel)	-		800	16				0			-			-	-	0			-	-		-		-		-	0		0	
Load (tutal)	-	61	No Water Case Ity Distantive Wake					62	40		67	04	11	11.0				43	214				76.0		210	14.1		151	11.1	
Land (displayed)	MA.	61	1	-01	48.1	-61	-01	40.1	41	61	401	40.1	41	401	- 40.1	40.1	- 41	401	401	40.1	41	401	401	40.1		401	40.1	101	411	401
Mangamene (total)	100	0.5	No Water Cus The Objective Value					78.8	144	174	12.6	18.2	40.8	1860	250	236	186	445	828	4,040	284	7.8	771	-	500	266	487	660	788	5.85
Marganese (discoved)	MA.	0.5	1,200	239	100	\$36	1,010	21.1	81.2	118	2.4	40.5	2.8	7.8	18.1	180	175	295	1.6	37.0	190	2.8	18.4	30.1	82.6	105	MOR	404	1.6	481
Nikiwi (tutal)	100	0.5	No Water Quality Objective Value					3.0	8.0	6.0	14	0.7	8.3	1.4	0.7	34.9	4.5	6.1	81.8	758	\$2	44	65.8	2.7	16.1	14.5	8.8	18.5	84.0	**
Nickel (disalived)	mA.	0.5		2.2	5.8	3.3	4.3	-0.5	43	2.8	0.8	40.5	43	0.8	40.5	18.2	2.6	2.0	2.6	1.8	14	2.8	2.6	40.5	11	0.8	1.5	354	1.0	4.2
Sheer (hotal)	100	0.05	No Water Quality Objective Wilso					0.00	0.01	0.04	6.05	<0.01	10.01	0.08	6.04	<0.01	10.01	-0.0	0.38	1.89	1000	-0.05	0.12	0.01	0.18	0.04	608	0.05	0.12	0.00
Sher (disched)	and the	0.05	0.02	40.05	+0.01	40.01	40.01	40.00	40.01	-0.0	40.01	40.01	40.01	40.00	-0.01	40.01	40.01	40.0	40.01	40.01	10.01	-0.02	400	40.01	10.01	-0.05	-0.01	40.01	40.05	-0.05
Zinc (hat al)	-	1	No Water Guality Olgentive Wilce					15	11	18	4	1	4	22		7		28	183	1340	4	2	101	18	25	42	181	80	83	179
The (designed)	wh.		2.4		1		17	1		,		1						4	-	-				1		-		11	1	
			•																										-	

Water Quality Cliptote values for groundwater refer to the default trigger values for physical and dwatark iterators to work-west Australia (upland itera) for the protection of MM of equatio species AVEC/2 (AMACM2) 2020), they are not pollutent limits imposed by IPI, 21264.
 Earophic ent equation at this later.





Monthly EPL Sampling:	01 - 30 Nov 20		owy Hydro 2.0 Main Works and Tantangara Reservoir	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EP139	EPL40	EPL46	EPL51
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*										
Field				3/11/24	3/11/24	26/11/24	26/11/24	26/11/24	16/11/24	16/11/24	4/11/24	26/11/24	26/11/24
рн	pH Unit	-	6.5-8	7.44	6.74	9.51	9.69	10.11	6.59	7.25	7.6	9.8	9.83
Electrical Conductivity	µ≲/cm	-	20-30	78	70	25.8	22	22.1	25	26	20	23.1	22.1
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	105	135	144.4	203.2	182.2	190	155	168	197.6	194.8
Temperature	°C	-	No Water Quality Objective Value	19.15	18.97	19.5	20.3	20.4	19.01	18.56	14.9	20.3	20.3
Dissolved Oxygen	% saturation	-	90-110	93.6	88.1	88.2	94	93.7	89	74	95.5	94.5	94
Turbidity	NTU	-	1-20	1.5	1.3	7.67	4.33	4.38	8.6	3.9	3.95	4.39	4.24
Laboratory analytes													
Total suspended solids	mg/L	5	No Water Quality Objective Value	۵	0	16	11	9	8	6	0	٥	0
Hardness as CaCO <sub>2</sub> (filtered)	mg/L	1	No Water Quality Objective Value	31	28	9	2	2	2	d	2	2	2
Nutrients													
Ammonia as N	µg/L	10	10	<10	30	60	90	40	20	<10	20	20	60
Nitrite + Nitrate as N (NOx)	µg/L	10	10	10	40	10	15	18	26	20	<10	20	14
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	200	500	400	200	200	200	100	300	300
Nitrogen (Total)	µg/L	100	350	200	200	500	400	200	200	200	100	300	300
Reactive Phosphorus	μg/L	1	5	4	5	4	3	3	7	2	5	3	4
Phosphorus (Total)	µg/L	10	10	20	30	40	20	10	40	20	<10	30	20
Inorganics										1			
Cyanide Total	µg/L	4	7	-04	<4	<4	-04	- 64	- 64	<4	<4	- 4	<4
Hydrocarbons				1	•					1			
Oil and Grease	mg/L	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals													
Aluminium (dissolved)	µg/L	5	33	10	8	0	0	4	49	18	15	37	39
Arsenic (dissolved)	μg/L	0.2	13	0.3	0.3	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2
Chromium (III+VI) (dissolved)	μg/L	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Copper (dissolved)	με/L	0.5	14	-0.5	<0.5	40.5	40.5	<0.5	<0.5	-0.5	40.5	-0.5	<0.5
Iron (dissolved)	на – на /L	2	300	30	23	3	3	4	152	78	37	115	114
Lead (dissolved)	μg/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (dissolved)	μg/L	0.5	1,900	0.6	<0.5	24.5	2.4	1.3	72.2	3.6	5.2	2.3	2.3
Nickel (dissolved)	μg/L	0.5	11	-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-0.5	<0.5	-0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	μg/L	1	8	d	d	<1	d	d	-d	<1	<1	а	<1
Biological					•				•	•	•	•	
Faecal Coliforms	CFU/100mL	1	10/100^	5	1		-	-	-	-	-	-	7
Biochemical Oxygen Demand	mg/L	2	1/5^	4	4		-	-	-	-	-	-	42

Water Quality Objective values for Taibingo and Tantangara Reservoir refer to the default trigger values for physical and chemical stressors in south-east Australia (fresh lakes and reservoirs) for the protection of 93% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

\* 90th percentile concentration limits / 100 percentile concentration limits

- Sample not required at this location.





		Sn	owy Hydro 2.0 Main Works	_																										
	anthly EDL Car		0 Nov 2024 - Surface Water																									i	. 1	i
<u>M</u>	Ununity EPL Sal	nping. 01 - 5	U NOV 2024 - Surrace Water																									i	. 1	i
				CPLS	EPLG	CP LA	CPL9	EPU12	EPL14	CPL15	EPLIE	EPL24	EPL26	EPL27	EPL30	EP131	EPL33	EPL34	EPLIS	CPU36	EPU37	EPUS2	09153	CPLSA	EPLSS	EPL67	EPU71	EPL84	EPLAS	CPLAG
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*																											
Reld	1			45599	45599	45599	45599	45599	45599	45599	45599	45600	45597	45597	45598	45598	45598	45598	45598	45605	45605	45601	Dry	Dry	Dry	45612	45597	45600	45600	45600
pH			6.5-0	7.64	7.47	7.85	7.91	7.65	7.95	7.93	7.89	6.58	6.83	6.61	6.09	6.24	6.5	7.85	7.46	6.95	7.24	8.47	Dry	Dry	Dry	7.41	6.29	8.3	30.45	7.92
Electrical Conductivity	u5/cm		30-350	100	74	107	102	100	97	96	107	655	37	41	29	25	24	34	22	61	75	965	Dry	Dry	Dry	22	71	1530	695	1250
Oxidation Reduction Potential	mV		No Water Quality Objective Value	52	20	93	35	65	80	91	89	72	164	165	186	178	158	109	112	45	60	-10	Dry	Dry	Dry	155	271	57	-2	62
Temperature	¥0		No Water Quality Objective Value	20.33	18.79	21.05	21.72	20.41	22.84	21.2	22.54	14.50	15.16	16.44	12.06	12.97	14.36	13.2	12.72	15.03	16.75	21.2	Dry	Dry	Dry	18.16	12.93	21.4	21.77	22.18
Dissolved Oxygen	N saturation		90-110	109.4	107.8	90.2	92.6	100.7	102.2	105.4	94.2	66.3	92.7	77	80.6	81	91.4	99.1	99.7	82.8	85.7	90.6	Dry	Dry	Dry	73.4	65.4	162.6	64.5	90.2
Turbidity	NTU		2-25	2.04	2.48	140	3.61	1.09	1.07	1.28	4.9	0	0		2.9	2.4	4.2	1.3	0.2	60.3	57.8	66.0	Dry	Dry	Dry	4	20.4	1000	93.9	126
Laboratory analytes																														
755	mg/L	5	No Water Quality Objective Value		- 4	4	4	- 6	- 6	8	4	4	- 4	4		- 6	- 6	- 6	4	7	14	21	Dry	Dry	Dry	4	4	426	6	24
Hardness as CaCOS	mg/L	1	No Water Quality Objective Value	46	31	46	43	46	43	43	43	184	12	9	7	9	2	4	4	24	24	233	Dry	Dry	Dry	4	16	18	32	280
Nutrients																													_	
Ammonia as N	HE/L	10	15	<10	<10	<10	40	<10	10	30	<10	<10	30	<10	<10	<10	40	<10	<10	<10	20	<10	Dry	Dry	Dry	10	<10	1,220	150	<10
Nitrite + Nitrate as N (NOx)	HE/L	10	15	<10	<10	10	30	<10	<10	<10	10	16,600	<10	30	<10	<10	20	<10	<10	70	40	18,500	Dry	Dry	Dry	<10	<10	6,030	4,670	18,200
Kjekishi Nitrogen Total	HE/L	100	No Water Quality Objective Value	<100	100	<100	100	100	200	100	<100	1,100	<100	100	100	100	300	200	200	300	400	2800	Dry	Dry	Dry	100	100	4,400	1,400	2,600
Nitrogen (Total)	HE/L	100	250	<100	100	<b>8</b> 0	100	100	200	100	<100	17,700	<100	100	100	100	300	200	200	400	400	21300	Dry	Dry	Dry	100	100	10,400	6,100	20,800
Reactive Phosphorus	HE/L	1	15	9	9	6	6	6	9	7	5	5	4	2	7	7	4	2	1	6		3	Dry	Dry	Dry	2	6	31	15	7
Phosphorus (Total)	HE/L	10	20	20	50	80	8	50	60	60	40	20	20	30	20	20	20	10	30	30	50	60	Dry	Dry	Dry	20	90	270	60	40
Inorganics																														
Cyanide Total	HE/L	4	4		- 44	~	~			- 44		- 44	- 44	- 44	- 41			- 44	- 44	- 44	- 44	-	Dry	Dry	Dry					
Hydrocarbons																												_	_	
Oil and Grease	mg/L	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	Dry	Dry	<1.0	<1.0	18.7	<1.0	<1.0
Metals																														
Aluminium (total)	HE/L	5	No Water Quality Objective Value		-			-	-	-				-			-					879	Dry	Dry	Dry	152	708	18,000	917	784
Aluminium (dissolved)	HE/L	5	27		4	7	30		9	9	8	4	6	4	12	14	29	19	18	17	30	10	Dry	Dry	Dry	19	11	15	212	5
Arsenic (total)	HE/L	0.2	No Water Quality Objective Value						-							-	-					5.6	Dry	Dry	Dry	0.2	0.5	17.3	1.5	3.7
Arsenic (dissolved)	HE/L	0.2	0.0	0.3	<0.2	0.3	0.3	0.2	0.3	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	0.4	3.0	5.2	Dry	Dry	Dry	<0.2	0.3	11.6	1.2	3.0
Chromium (III+VI) (total)	HE/L	0.2	No Water Quality Objective Value	-	•			•	-	-	-	-	-	-	•	-	-	•	-	-	-	11.6	Dry	Dry	Dry	0.3	1.5	171	195	7.3
Chromium (IB+VI) (dissolved)	HE/L	0.2	0.01	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	40.2	40.2	0.2	0.3	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	8.5	Dry	Dry	Dry	<0.2	<0.2	117	182	5.4
Copper (total)	HE/L	0.5	No Water Quality Objective Value	-	-				-			-				-	-	•	-		-	1.1	Dry	Dry	Dry	<0.5	1.1	32.4	1.2	3.1
Copper (dissolved)	HE/L	0.5	1	<0.5	<0.5	<b>4</b> 5	45	<0.5	<0.5	-0.5	40.5	<0.5	-0.5	<05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	Dry	Dry	<0.5	<0.5	2.6	0.5	1.2
Iron (total)	HE/L	2	No Water Quality Objective Value		-				-								-					944	Dry	Dry	Dry	247	654	24,300	424	818
Iron (dissolved)	HE/L	2	300	9	6	8	9	8	9	8	8	- 4	12	11	26	20	95	77	76	166	278	4	Dry	Dry	Dry	77	22	11	3	-42
Lead (total)	HE/L	0.1	No Water Quality Objective Value	-	•		-	•	-					-	•	-	-	•	-		-	1.0	Dry	Dry	Dry	0.1	0.2	38.6	0.6	1.2
Lead (dissolved)	HE/L	0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Dry	Dry	Dry	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	HE/L	0.5	No Water Quality Objective Value		-				-	-				-		-	-	•			-	22.0	Dry	Dry	Dry	5.4	34.4	557	11.4	36.7
Manganese (dissolved)	HE/L	0.5	1,200	1.4	2.2	1.4	3.5	1.0	1.2	1.2	1.9	131	2.4	0.8	2.5	2.0	36.6	3.7	3.9	41.8	40.4	<0.5	Dry	Dry	Dry	3.5	6.8	<0.5	<0.5	<0.5
Nickel (total)	HE/L	0.5	No Water Quality Objective Value	-	•			•	-							-	-	•	-		-	3.5	Dry	Dry	Dry	<0.5	2.5	73.9	1.6	2.8
Nickel (dissolved)	HE/L	0.5	•	<0.5	<0.5	40.5	65	<0.5	<0.5	-0.5	<05	1.0	-0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.8	<0.5	Dry	Dry	Dry	<0.5	0.7	1.5	<0.5	1.0
Silver (total)	HE/L	0.01	No Water Quality Objective Value		-				-							-	-					<0.01	Dry	Dry	Dry	<0.01	<0.01	0.06	<0.01	<0.01
Silver (dissolved)	HE/L	0.01	0.02	<0.01	<0.01	40.01	40.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	HE/L	1	No Water Quality Objective Value	-	-		-	-	-	-	-	-	-	-		-	-	•	-	-	-	9	Dry	Dry	Dry	4	2	135	3	4
Zinc (dissolved)	HE/L	1	2.4	2	4	4	4	4	4	1	4	6	4	1	4	1	4	2	4	4	4	4	Dry	Dry	Dry	4	1	4	4	- 4

Water Quality Objective values for nurface water refer to the default trigger values for physical and chemical streams in south-east Australia (upland riven) for the protection of PSK of squarter spokes AVECCC / ARMCAVE [2013], they are not polivised invites imposed by CFL 21364.





#### Snowy Hydro 2.0 Wiain Works Monthly EPL Sampling: 01 - 30 Nov 2024 - Treated Water

				EPL 41	EPL 43	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49	EPL 50
Analyte	Unit	Limit of Reporting	Water Quality Objective Value*								
Flow Rate				17/11/2024						1	27/11/2024
Inflow	ML/day	-	-	-	0.0000	0.4957	0.0511	0.1865	0.0791	0.5600	-
Outflow	ML/day	-	4.32 (EPL 43 / 50)	-	-	-	-	-	-	-	-
Field						•				·	
рН	pH Unit	-	6.5-8.5	8.72	-	-	-	-	-	-	8.98
Electrical Conductivity	μS/cm	-	700 (EPL 41) / 200 (EPL 50)	24	-	-	-	-	-	-	158.4
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	118	-	-	-	-	-	-	223.6
Temperature	°C	-	15	24.32	-	-	-	-	-	-	18.9
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	80.5	-	-	-	-	-	-	88.7
Turbidity	NTU	-	<25	4.7	-	-	-	-	-	-	9.48
Laboratory analytes											
Total suspended solids	mg/L	5	5/10	<5							<5
Hardness as CaCO <sub>3</sub> (filtered)	mg/L	1	No Water Quality Objective Value	< <p>&lt;1</p>							2
Nutrients					•	•	•	•	•		
Ammonia as N	μg/L	10	200/2000^	70	-	-	-	-	-	-	60
Kjeldahl Nitrogen Total	μg/L	100	No Water Quality Objective Value	100	-	-	-	-	-	-	300
Nitrogen (Total)	μg/L	100	350/-^	300	-	-	-	-	-	-	300
Reactive Phosphorus	μg/L	1	No Water Quality Objective Value	<1	-	-	-	-	-	-	4
Phosphorus (Total)	μg/L	10	100/300^	40	-	-	-	-	-	-	20
Inorganics						•	-		·	·	
Cyanide Total	μg/L	4	No Water Quality Objective Value	<4	-	-	-	-	-	-	<4
Hydrocarbons											
Oil and Grease	mg/L	1	2/5^	<1.0	-	-	-	-	-	-	<1.0
Metals						1	1	·	·		
Aluminium (dissolved)	μg/L	5	55	<	-	-	-	-	-	-	39
Arsenic (dissolved)	μg/L	0.2	13	⊲0.2	-	-	-	-	-	-	<0.2
Chromium (III+VI) (dissolved)	μg/L	0.2	1	0.3	-	-	-	-	-	-	<0.2
Copper (dissolved)	μg/L	0.5	14	⊲0.5	-	-	-	-	-	-	<0.5
Iron (dissolved)	µg/L	2	300	<2	-	-	-	-	-	-	114
Lead (dissolved)	μg/L	0.1	3.4	⊲0.1	-	-	-	-	-	-	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	≪0.5	-	-	-	-	-	-	2.3
Nickel (dissolved)	μg/L	0.5	11	<0.5	-	-	-	-	-	-	<0.5
Silver (dissolved)	μg/L	0.01	0.05	<0.01	-	-	-	-	-	-	<0.01
Zinc (dissolved)	μg/L	1	8	<1	-	-	-	-	-	-	<1
Biological						•	-	•			
Faecal Coliforms	CFU/100mL	1	10/100^	<1	-	-	-	-	-	-	<1
Biological Oxygen Demand	mg/L	2	5	<	-	-	-	-	-	-	<2

CD1 44

EDI //2

EDI /17

EDI 49

CDI 40

Note: Treated water was not being discharged at Talbingo Reservoir at the time of EPL sampling.

There is no 100th percentile limit for Nitrogen (Total).

\* Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.

- Samples not required

90 Percentile concentration limit/100 Percentile limit

\* Inflows to STP and CWTP do not directly correspond to outflow at RO as much of the water is reused on site





Monthly EPL Sampling: 01 - 30 Nov 2024 - Treated Water		
	EPL 43 *	EPL 50
	Discharg	e volume
Date	(Mega	
1/11/2024	-	-
2/11/2024	-	-
3/11/2024	-	-
4/11/2024	-	-
5/11/2024	-	-
6/11/2024	-	-
7/11/2024	-	-
8/11/2024	-	-
9/11/2024	-	-
10/11/2024	-	-
11/11/2024	-	-
12/11/2024	-	-
13/11/2024	-	-
14/11/2024	-	-
15/11/2024	-	-
16/11/2024	-	-
17/11/2024	-	-
18/11/2024	-	-
19/11/2024	-	-
20/11/2024	-	-
21/11/2024	-	-
22/11/2024	-	-
23/11/2024	-	-
24/11/2024	-	-
25/11/2024	-	-
26/11/2024	-	-
27/11/2024	-	-
28/11/2024	0.03	-
29/11/2024	-	-
30/11/2024	-	-

Snowy Hydro 2.0 Main Works

_					
) <b>^</b>	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49
5		Discharg	e volume (M	egalitres)	
	0.23	0.05	0.12	0.09	0.51
	0.46	0.05	0.19	0.09	0.47
	0.54	0.04	0.20	0.08	0.46
	0.37	0.04	0.10	0.08	0.48
	0.45	0.03	0.31	0.08	0.58
	0.71	0.04	0.15	0.08	0.65
	0.46	0.06	0.21	0.07	0.58
	0.47	0.04	0.13	0.08	0.48
	0.42	0.05	0.17	0.08	0.56
	0.87	0.06	0.20	0.04	0.59
	0.40	0.06	0.15	0.11	0.63
	0.43	0.06	0.17	0.07	0.34
	0.64	0.03	0.17	0.06	0.49
	0.39	0.03	0.21	0.07	0.43
	0.58	0.15	0.25	0.07	0.43
	0.43	0.06	0.18	0.08	0.58
	0.46	0.06	0.21	0.10	0.42
	0.59	0.04	0.19	0.05	0.40
	0.46	0.05	0.20	0.11	0.64
	0.43	0.05	0.14	0.07	0.76
	0.50	0.05	0.25	0.07	0.24
	0.67	0.05	0.15	0.09	0.94
	0.63	0.06	0.18	0.06	0.63
	0.14	0.04	0.19	0.13	0.54
	0.72	0.04	0.17	0.09	0.53
	0.54	0.06	0.20	0.09	0.91
	0.54	0.04	0.16	0.09	0.83
	0.54	0.05	0.28	0.03	0.65
	0.54	0.02	0.18	0.08	0.63
	0.26	0.04	0.19	0.09	0.45

Water not discharged on this day

Note: The EPL discharge volume limit for EPL 43 and 50 is 4.32 megalitres per day. Compliance with this criteria was met during the reporting month.

The maximum flow rate capacity for Lobs Hole STP/PWTP during the reporting month was 1.85 L/s

A The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 4.51 L/s

-- Water not discharged on this day





# APPENDIX D – EXCEEDANCE MAP

## **TALBINGO**

		0 ALLAN			aluit	igo neservi	UII -	1		a strail		1	No.			EPL110									×		a dene		
A CAR						3	S			1						4	Nitrite + Nitrate as	N N	AI (F)	AI	As	Cr	Pb	Zn (F)	Zn			The Ast	Starter.
						8									10.1	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
															Siles - S	16 Jun 2024	A.,							0.033					
						1 1							de la		and a	22 Jun 2024	0.03			0.308				0.028	0.038	Van			
Arts			and the	1											1	19 Jul 2024	6			0.305	0.0009			0.020	0.031	A state			
			N.S.S.	Collins .		<						Para - to 2			and the second	04 Aug 2024				0.491	0.0012	0.0002	0.0012	0.026	0.042				
			R I											100 A.M.		18 Aug 2024				0.337				0.027	0.034	N.S.C.			1
		18.9								1				1 AL		24 Aug 2024				0.300				0.027	0.039				
			1000				To a			* /23					朝日本部	28 Aug 2024	2			0.433	0.0009	0.0002	-	0.026	0.037				and the
					Ro.							ALC: NO			A.	11 Sep 2024				0.513	0.0012	0.0002	0.0014	0.040	0.050				Same I
						See.						-	14			28 Sep 2024			0.031	0.663	0.0011	0.0003		0.029	0.034	Sec. 2			
							1	Lobs Ho	ole					1000	- ALA	05 Oct 2024				0.390				0.031	0.034				- And a state
							5						200	16	and a	19 Oct 2024		0.3	0.029	0.677	0.0013	0.0003		0.034	0.042		14 Mar	and the second	2
						in the	in the second	A COLOR	and the second second		-		Sec. 1		1 State	08 Nov 2024				0.286	0.0010			0.031	0.038		1 auto	-	1
						TOTAL .		-				and a		17.12	and the second	14 Nov 2024								0.031		- Martin		- ALLEY	A.C.
						Chilles.		ines (							No.	14 Nov 2024	0.523										The State	N AN	S S A
						14	A							1		and all and a		1	A CONTRACTOR	- SALA	Mar Co	1.0	100	- 101 10	A Carto	Rent 1	and the second		
									7	1	- AND NO		- MA		ALC: AND			Same S	in s				1 T		Contra la			1. 0.	C TURN
						5. S 1					•	-	a han let	5	7	E	PL120			1				1	1		1		×
						160			× 🥠 _	_6		AR			$\sim$			+ Nitrate as		AI (F)	-	As (F)	-	Cr	Cu	Fe	Pb	Zn (F)	Zn
See 8								Market In						Vil	llage Of		Date	mg/L	mg/L	mg/L	-	mg/L	-			mg/L	mg/L	mg/L	mg/L
										C.P.+	Contraction of the local division of the loc	<b>B</b>			Ravine	Contract 1	27 Jul 2024	0.16			1.83			0.0008		0.909	0.0038	0.017	0.038
										1.00	-State	Canada San		1		A CALCULAR HILL CA	28 Sep 2024	0.11	0.3	0.035	3.76		-	0.0030		1.90	0.0066	0.049	0.047
											105	Sec. 10		778-0		and the second se	14 Nov 2024	0.03	_			0.0010	)	0.0006			-	0.010	
EPL106																×	14 Nov 2024	0.039											
	Nitrite + Nitrate as N	CN-	N	AI	As (F)	As	Cr (F)	Cr	Cu	Fe	Pb	Ni	Ag	Zn (F)	Zn					Mar N		1							
Date	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		10 · · · · · ·			T	Port 1		Sec.				Se alle	The state	
29 Jun 2024	12.0		15.6	0.442	0.0011	0.0015	0.0307	0.0324	0.0014								The second			Ar	R	No.							
03 Jul 2024	10.2	0.720	14.6		0.0011		0.0241										The second second		1			No.							Test in
19 Jul 2024	8.42		9.6		0.0009		0.0109							0.004			And And Annual	Comp.				N. S. San	No.					States.	1.18
10 Aug 2024	9.39		11.4	1.96	0.0015	0.0034	0.0144	0.0175	0.0028	1.99	0.0044	0.0088	0.00009		0.031	10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-						a line	5			- Barakin	State of		
24 Aug 2024	11.0		14.3	0.696		0.0023	D.CO.S.D.C.C.C.	0.00000000		1.24				0.012	0.177		A Starting			100		and the second						N.S.S.	
31 Aug 2024	10.6		13.9	0.491		0.0021	0.0074			0.670				0.422	0.612		A STREET AND ADDREET	A BUCH	15	A LOUDE								1. The	- Sheel
28 Sep 2024	12.0		13.6	0.874	0.0011	0.0023		0.0070	0.0023	2.79	0.0040			2.17	3.25		- AL CARACTER	A Make	100	The second	1 4								
05 Oct 2024	11.8		12.0	0.443	0.0013	0.0017	0.0050	0.0052							0.003	1 Contraction	No. No. of			a start	1								
10 Oct 2024	14.5		17.2	0.538	0.0015	0.0020	0.0051	0.0059		0.318	-				0.003	L.					100								
19 Oct 2024	18.8		22.1	1.41	0.0017	0.0032	0.0053	0.0067		1.02	0.0016	1			0.004	CT-C		-	S Line		10	ALL T			Cas Rep.	and the se			and an
04 Nov 2024	20.7		21.6		0.0015		0.0048										Service and the service of the servi		Carlor P		15 1	8							Sauge of
08 Nov 2024	22.3		24.9	0.182	0.0015	0.0016	0.0048	0.0052								1	A 37 24	SERIE	E La	and the second									No.
14 Nov 2024	18.7		21.3		0.0013		0.0042	0.0047									-		PL-	No.	1.14		Ty	THE A		THE REAL			
14 Nov 2024	22.1															A	1. 200	No.			100					Contra a	at seat		
20 Nov 2024	7.22		7.7	0.524	0.0013	0.0017	0.0043	0.0052		0.360						AL	218	No. and	ALC: NO	The second	Ser.		and a large	THE P	- Alle	-			and the second sec
20 Nov 2024	18.7																	100 A	1	Berry		No.	A COM	A Science		- Souther	and alles		
28 Nov 2024	12.8		14.0		0.0012		0.0036									and the second	and the second	A CONTRACT	-	P. Company		A State	St. ander		ALL TAN	Ande S		A Draw Th	285 4





		112				STATES -		EPL41	Thermotolerant Coliform	s Nitrite + Nitrate as N	N	AI	Cr (F)	Cr	Ag	Zn (F)	z
		8613	2014					Date	cfu/100 mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m
	1.000	and the	Talbingo Reservoir			100 mm . 282		03 Jun 2024		0.02	0.5						-
	NEADY.	1.000	1 1				CARLES OF	04 Jun 2024		0.02							-
	S. Contraction	30370					Pinbeyan	05 Jun 2024		2020	-	-			0.00679		-
								08 Jun 2024		0.03							
			40.00					12 Jun 2024		0.06		-					-
			<b>E</b>				A A STATI	16 Jun 2024		0.44	0.7			0.0011			-
			A 7200					26 Jun 2024		0.24	0.5						-
			Aller and					28 Jun 2024		0.20	0.4						t
	Service 1	EPL109		×	EPL107		×	30 Jun 2024		0.19	0.4						1
			Nitrite + Nitrate as I	N NOTICE		Nitrite + Nitrate as	N AI	10 Jul 2024		0.09							1
		Date	mg/L	Contrast.	Date	mg/L	mg/L	14 Jul 2024		0.13		-					t
		23 Jun 2024	0.03		23 Jun 2024	0.03		17 Jul 2024		0.09							t
		17 Jul 2024	0.04	Section 1991	17 Jul 2024	0.03	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 Jul 2024		0.10	0.4						t
		18 Aug 2024	0.02	And And	18 Aug 2024	0.03	Alter	24 Jul 2024		0.10							t
	A CONT	08 Sep 2024	0.02	6 2 33	08 Sep 2024	0.02	0.094	27 Jul 2024		0.09							t
	Start Barris		1310		07 Oct 2024		0.070	28 Jul 2024		0.09							t
108	×			200	03 Nov 2024	0.06		31 Jul 2024		0.10							t
Nitrite + Nitr		A ARA	and the	1	Time	1 and 1	AND ADDRESS OF	04 Aug 2024		0.08							T
Date mg/L				A State	The state	1 2 120		07 Aug 2024		0.07					-		T
lun 2024 0.04		and the second		Lobs Hole	•	A Start		11 Aug 2024		0.07							t
Jul 2024 0.03				1 L	0	TO COLORE		14 Aug 2024		0.06							T
ug 2024 0.03					80 /	SCO.	Price Contract	01 Sep 2024		0.12			0.0024	0.0025			T
ep 2024 0.04		W. Santon		STARK.		Ast		04 Sep 2024		0.33	0.5		0.0368				Т
Oct 2024 2.25				C LAR C	A.	Village Of	and the	08 Sep 2024		0.09	0.7		0.0013	0.0013	1		t
CARGO CONTRACTOR	A COLUMN TO A COLUMN			SSGLMBBBBD	100000000000000000000000000000000000000	Ravine	COMPANY OF A DATA OF A DATA			0.51	1.3						+
				CONTRACTOR OF STREET, S				15 Sep 2024		0.51	1.5						
1 The Bar				10.176	1-2-4			15 Sep 2024 18 Sep 2024	37	0.51	0.6						t
EPL11		×			E		Star H		37	0.51						0.016	(
and the second se	Nitrite + Nitrate as I				P.	-		18 Sep 2024	37	0.51	0.6					0.016	(
and the second se	Nitrite + Nitrate as I mg/L					- Aug		18 Sep 2024 22 Sep 2024	37	0.51	0.6 0.8					0.016	
		AI						18 Sep 2024 22 Sep 2024 25 Sep 2024	37	0.51	0.6 0.8						(
Date	mg/L	AI						18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024	37	0.51	0.6 0.8					0.024	(
Date 03 Jun 2024	mg/L 0.02	AI	EPL10					18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 02 Oct 2024	37		0.6 0.8					0.024	
03 Jun 2024 23 Jun 2024	mg/L 0.02 0.03	AI	and the second se	Thermotolerant C			Contraction of the	18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 02 Oct 2024 06 Oct 2024	37	0.02	0.6 0.8	0.073				0.024	(
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024	mg/L 0.02 0.03 0.12	N AI mg/L	Date	Thermotolerant C cfu/100 ml		mg/L mg/l	Contraction of the	18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 02 Oct 2024 06 Oct 2024 07 Oct 2024	37	0.02	0.6 0.8	0.073				0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024	mg/L 0.02 0.03 0.12 0.03	AI mg/L 0.074	Date 03 Jun 2024			mg/L mg/l 0.02	Contraction of the	18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 02 Oct 2024 06 Oct 2024 07 Oct 2024 09 Oct 2024	37	0.02 0.03 0.06	0.6 0.8					0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024           08 Sep 2024	mg/L 0.02 0.03 0.12 0.03 0.03	AI mg/L 0.074	Date 03 Jun 2024 23 Jun 2024			mg/L mg/l 0.02 0.03	Contraction of the	18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 02 Oct 2024 06 Oct 2024 07 Oct 2024 09 Oct 2024 09 Oct 2024	37	0.02 0.03 0.08 0.04	0.6	0.071				0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024           08 Sep 2024	mg/L 0.02 0.03 0.12 0.03 0.03	AI mg/L 0.074	Date 03 Jun 2024 23 Jun 2024 17 Jul 2024		-	mg/L mg/l 0.02 0.03 0.07		18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 02 Oct 2024 06 Oct 2024 07 Oct 2024 09 Oct 2024 13 Oct 2024	37	0.02 0.03 0.08 0.04 8.57	0.6 0.8 1.0 9.7 2.3 3.0	0.071				0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024           08 Sep 2024	mg/L 0.02 0.03 0.12 0.03 0.03	AI mg/L 0.074	Date 03 Jun 2024 23 Jun 2024 17 Jul 2024 18 Aug 2024	cfu/100 ml		mg/L mg/l 0.02 0 0.03 0 0.07 0 0.03 0 11	L 7	18 Sep 2024           22 Sep 2024           25 Sep 2024           29 Sep 2024           02 Oct 2024           06 Oct 2024           09 Oct 2024           09 Oct 2024           13 Oct 2024           14 Oct 2024           16 Oct 2024           16 Oct 2024	37	0 02 0 03 0 06 0 04 8 57 0 27 2 32 2 09	0.6 0.8 1.0 9.7 2.3 3.0 2.5	0.071				0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024           08 Sep 2024	mg/L 0.02 0.03 0.12 0.03 0.03	AI mg/L 0.074	Date 03 Jun 2024 23 Jun 2024 17 Jul 2024			mg/L mg/l 0.02 0.03 0.07	L 7	18 Sep 2024           22 Sep 2024           25 Sep 2024           29 Sep 2024           02 Oct 2024           06 Oct 2024           09 Oct 2024           09 Oct 2024           13 Oct 2024           14 Oct 2024           16 Oct 2024	37	0.02 0.03 0.06 0.04 8.57 0.27 2.32	0.6 0.8 1.0 9.7 2.3 3.0	0.071				0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024           08 Sep 2024	mg/L 0.02 0.03 0.12 0.03 0.03	AI mg/L 0.074	Date 03 Jun 2024 23 Jun 2024 17 Jul 2024 18 Aug 2024	cfu/100 ml		mg/L mg/l 0.02 0 0.03 0 0.07 0 0.03 0 11	L 7	18 Sep 2024           22 Sep 2024           25 Sep 2024           29 Sep 2024           02 Oct 2024           06 Oct 2024           09 Oct 2024           09 Oct 2024           13 Oct 2024           14 Oct 2024           16 Oct 2024           16 Oct 2024	37	0 02 0 03 0 04 8.57 0 27 2 32 2 09 0 29 0 25	0.6 0.8 1.0 9.7 2.3 3.0 2.5 0.8 0.4	0.071		0.0014	0.00030	0.024	
Date           03 Jun 2024           23 Jun 2024           17 Jul 2024           18 Aug 2024           08 Sep 2024	mg/L 0.02 0.03 0.12 0.03 0.03	AI mg/L 0.074	Date 03 Jun 2024 23 Jun 2024 17 Jul 2024 18 Aug 2024	cfu/100 ml		mg/L mg/l 0.02 0 0.03 0 0.07 0 0.03 0 11	L 7	18 Sep 2024 22 Sep 2024 25 Sep 2024 29 Sep 2024 06 Oct 2024 07 Oct 2024 09 Oct 2024 09 Oct 2024 13 Oct 2024 14 Oct 2024 16 Oct 2024 16 Oct 2024 27 Oct 2024	37	0.02 0.03 0.08 0.04 8.57 0.27 2.32 2.09 0.29	0.6 0.8 1.0 9.7 2.3 3.0 2.5 0.8 0.4 0.4	0.071		0.0014	0.00030	0.024	
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				No.			主作			17 Distances		and the second	NG B	a the	Sec.	South and	8 ( ) · ·	- alles	and the second		27	2-	A STATE	1					





EPL55			L.	1.0	1		1.000	1	1.000	1.20		1.540	
Date	Nitrite + Nitrate as N		AI (F)	Al	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ni	Zn
06 Jun 2024	mg/L 27.6	mg/L 31.0	mg/L	mg/L	mg/L 0.0012	mg/L	mg/L	mg/L	mg/L 0.0049	mg/L	mg/L	mg/L 0.0091	mg/L
11 Jun 2024	28.8	34.8		0.240	0.0012		0.0246		0.0049	1.90	0.00/2	0.0091	0.003
11 Jun 2024 18 Jun 2024	26.6	30.1		0.493		and the second second	0.0117		0.0012	0.343			0.003
26 Jun 2024	19.9	23.2		1.56	0.0009	1.1			0.0012		0.0049		0.004
03 Jul 2024	14.7	17.0		1.50	0.0009		and the second s	0.0011	and the second		0.0049		0.015
19 Jul 2024	20.4	22.0		0.913	0.0014		0.0314	0.0011		0.909		-	0.005
24 Jul 2024	25.9	27.4		0.913	-	0.0097			0.001/	0.008	0.0020		0.000
29 Jul 2024	25.9	24.2	-	0.405		0.0035		-	0.0206	-	0.0019		0.018
29 Jul 2024 05 Aug 2024	32.4	35.5		0.417		and the second second	0.0049	-	0.0206		0.0019		0.018
13 Aug 2024	31.4	35.5		0.15		C.C. C.	0.0031	-	0.0013	0.738	0.0024		0.003
18 Aug 2024	22.6	26.7		0.337			0.0022		0.0013	0.736	0.0020		0.009
28 Aug 2024	33.8	38.4		0.067		0.0009	1.0.000000						-
03 Sep 2024	24.2	26.0		0.142		and the second	0.0015		-				
10 Sep 2024	25.7	29.4		0.054		- Sector and	0.0010		-	-			
16 Sep 2024	22.9	25.5		0.109		100.000	0.0013						
25 Sep 2024	10.2	11.2	0.032	4.23	0.0019				0.0056	4.52	0.0097	0.0084	0.018
03 Oct 2024	39.3	43.2		0.109			0.0033				0.0014		0.003
24 Oct 2024	39.0	41.6		0.084		-	0.0023	-	-			-	
28 Oct 2024	31.4	35.3		0.075			0.0015						
18 Nov 2024	23.7	26.8		0.112			0.0006		-		-		0.007
18 Nov 2024	28.9			-									
State State	ALESS ASSASS	R. Contes	and the	12	a Varte	12.24	1000		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000	2200	100	13
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ala	S. Carles		Sec.	Sec. 1	Contract S	200						10 10	180
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- North	and shall be		Direct.	The set		SURACE.	(28.)				Sec.		
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Dt         mgL	Dh         mgl		BE BERGER		10.24			- 10						Creat	Nitrite + Nitrate as N	N	AL	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ni	Zn (F)	Zn
bé dan 224       230       250       0.00       10       0.00       10       0.00       10       0.00       10       0.00       1.00       0.00       0.00       0.00       1.00       1.00       0.00       0.00       1.00       1.00       0.00       0.00       1.00       1.00       0.00       0.00       1.00       1.00       0.00       0.00       1.00       1.00       0.00       0.00       1.00       1.00       0.00 <td< td=""><td>b       b       a       22       22       25       0</td><td>1</td><td></td><td>a set of a</td><td>5</td><td></td><td></td><td>Na C</td><td>Tavine Rd</td><td></td><td></td><td>- Carao</td><td></td><td>Date</td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.2</td><td></td><td></td><td></td><td>2.2</td><td>1.12</td><td></td><td>mg/L</td></td<>	b       b       a       22       22       25       0	1		a set of a	5			Na C	Tavine Rd			- Carao		Date							2.2				2.2	1.12		mg/L
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N         A(r)         A         C	N         N(r)         N         U	A.		100	-	all of	-			1				16 Jun 2024	15.0	16.0	0.998			0.0007	0.0030		0.0021	1.10	0.0017			0.018
18 Åu 2024       24.1       27.1       1       1       0       0.00       0.0       0       1       1       0       0.00       1       0 </td <td>18.4m204       24.1       27.1       N       N       0.000       N       N       N       N       0.000       0.000       N       N       N       0.000       0.000       N       N       N       0.000       0.000       N       N       N       0.000       0.000       N       N       N       N       0.000       N</td> <td>and a second</td> <td>Real</td> <td>-</td> <td></td> <td></td> <td>The second</td> <td>in'</td> <td><b>WERE</b></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>17.7</td> <td></td> <td></td> <td></td> <td>0.0009</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.014</td>	18.4m204       24.1       27.1       N       N       0.000       N       N       N       N       0.000       0.000       N       N       N       0.000       0.000       N       N       N       0.000       0.000       N       N       N       0.000       0.000       N       N       N       N       0.000       N	and a second	Real	-			The second	in'	<b>WERE</b>	1					17.7				0.0009									0.014
25 Jun 202       25 01 20       25 01 20       0       0       001       0.01 <td>25 Jun 204       250       255       10       10       1001       100       10       100      &lt;</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1000</td> <td></td> <td></td> <td></td> <td></td> <td>and the second second</td> <td>24.1</td> <td></td> <td>125.5</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>0.000</td> <td>10000000</td> <td></td> <td></td> <td></td>	25 Jun 204       250       255       10       10       1001       100       10       100      <								1000					and the second second	24.1		125.5				1			0.000	10000000			
99/10/204       9252       286       0       0       0001       0	0         0	All and an and and and and and and and and						Rech					1	26 Jun 2024	25.0	29.5	0.123			0.0011	0.0013						0.004	0.009
19 JU 204       8.14       9.1       0.0       0.000       0.0	19 JU 2024       8.14       9.1       -       -       0       0.006       -	TALISSI.			1			Te	k -		ALC: NO			04 Jul 2024	22.5	25.3				0.0004							0.004	
1         25 JI 203         80 7         89         0         0000         0	25 Jil 2024       86 07       89	Caller and	and the second	A.		H. LE	à	- 2	The second	· 100				09 Jul 2024	25.2	28.6	-			0.0010							0.003	
02 Aug 2024       106       125       0633       0       0.000       0.016       0       0.055       0       0       0.000       0       0       0       0.055       0       0       0.000       0<	Al       Cr()       Cr       Cr()       Fe         mol       Cr()       Cr       Cr()       Fe         mol       0000       Cr()       Cr       Cr()       Fe         mol       0000       Cr()       Cr()       Fe       Cr()       <	a state of the second se	it is a			S.E.S			200	186				19 Jul 2024	8.14	9.1				0.0006				-				-
No       0	06 Åug 202       182       236       1       0       1       1       0								31	1 2				25 Jul 2024	8.07	8.9				0.0003								
14Åug202       242       282       0.105       0       0.005       0	14 Åug 202       242       282       0.105       0       0.0003       0.005       0		A BALLER OF			1		1		6 14		10		02 Aug 2024	10.6	12.5	0.633			0.0002	0.0018		_	0.558				0.00
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	24 Jug 202       155       204       0.277       0       0.0003       0.0005       0 <td< td=""><td>A CONTRACTOR</td><td>A STORE</td><td></td><td></td><td>12</td><td></td><td>6</td><td>Children of</td><td>35</td><td></td><td>E Star</td><td>1.2</td><td>08 Aug 2024</td><td>18.2</td><td>23.6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.003</td><td></td></td<>	A CONTRACTOR	A STORE			12		6	Children of	35		E Star	1.2	08 Aug 2024	18.2	23.6											0.003	
No         No<	No         No<						3	Baris		· · ·	Nº Sala			14 Aug 2024	24.2	28.2	0.105			0.0003	0.0005							0.00
Air (r)       Air (r)       Cr (r)       Gr       Gu(r)       Fe         mult       mult       mult       mult       mult       Gu(r)       Fe         10 5ep 2024       16.3       18.9       C       C       Gu(r)       C	Air Dr. 10       Cr. (F)       Cr. (F)       F         mg/l       mg/l.       <	KAN STREET				26	S	MAR 1	1	Sec.	.022			24 Aug 2024	15.6	20.4	0.277			0.0003	0.0008							0.00
10 Sep 2024       16.3       18.9       0       0.0004       0 <td>10 Sep 2024       163       189       0       0       0004       0</td> <td>, 90 at 100</td> <td>2.00</td> <td>-</td> <td></td> <td>10 C.</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30 Aug 2024</td> <td>7.09</td> <td>8.5</td> <td>0.671</td> <td></td> <td></td> <td>0.0002</td> <td>0.0014</td> <td></td> <td></td> <td>0.476</td> <td></td> <td></td> <td></td> <td>0.00</td>	10 Sep 2024       163       189       0       0       0004       0	, 90 at 100	2.00	-		10 C.	1							30 Aug 2024	7.09	8.5	0.671			0.0002	0.0014			0.476				0.00
k       k	k       k		100	1	6				and the second	24	12 3 3 3		1.353	06 Sep 2024	14.9	15.1	0.332	-		0.0004	0.0010						_	0.00
AI (F)       AI       C (F)       C u       C (G)       C (G)       Fe         mg/L	AI(F)       AI       C(F)       Cu       Cu(F)       Fe         Mu/L	Carl Carl	100				24	a la		ER V	10			10 Sep 2024	16.3	18.9				0.0004								
n       cr (f)       cr (g)       cr (g)       fe         mgL	n       Cr (f)       Cr (g)       Fe         mg/L       <	and the second	Service of	Sec.		2		a second	1	Sec.	0.40			18 Sep 2024	19.6	22.1				0.0003							0.004	
mgL       m	mgL       m							1	1	×		9.5	a svinere	24 Sep 2024	24.5	26.8		1		0.0002							0.004	
0.002       0.006       0.007 <td< td=""><td>0.002       0.006       0.002       0.000       0.002       0.000       0.002       0.002       0.002       0.002       0.002       0.001       0.002       0.001       0.002       0.001       0.001       0.002       0.001       0.002       0.001       0.001       0.002       0.001       0.001       0.002       0.002       0.001       0.002       <td< td=""><td></td><td></td><td></td><td>ļ</td><td></td><td></td><td>-</td><td></td><td></td><td>Star 1. 1.</td><td>30<sup>-10</sup></td><td>16 B</td><td>01 Oct 2024</td><td>12.9</td><td>13.5</td><td></td><td></td><td></td><td>0.0007</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<></td></td<>	0.002       0.006       0.002       0.000       0.002       0.000       0.002       0.002       0.002       0.002       0.002       0.001       0.002       0.001       0.002       0.001       0.001       0.002       0.001       0.002       0.001       0.001       0.002       0.001       0.001       0.002       0.002       0.001       0.002 <td< td=""><td></td><td></td><td></td><td>ļ</td><td></td><td></td><td>-</td><td></td><td></td><td>Star 1. 1.</td><td>30<sup>-10</sup></td><td>16 B</td><td>01 Oct 2024</td><td>12.9</td><td>13.5</td><td></td><td></td><td></td><td>0.0007</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>				ļ			-			Star 1. 1.	30 <sup>-10</sup>	16 B	01 Oct 2024	12.9	13.5				0.0007								
1.18       0.004       0       0.004       0       0.004       0	1.14       0.004				-	-						1 1	14	C 09 Oct 2024	18.0	20.0				0.0011								
0.0002       0.001       0.001       30 Oct 2024       16.2       204       0       0.0005       0	0.0002       0.001       0.001       0.0022       10.2       10.2       20.4       0.02       0.000       0	Street Street	CLUSSED DEPARTMENT	MANDER N	-		0.0002		-	0.402		in the other	AU	17 Oct 2024	23.4	25.5				0.0009							0.004	
0.0002       Image: Constraint of the constr	0.0002         0 <td></td> <td></td> <td></td> <td>ļ</td> <td>0.148</td> <td></td> <td>0.0004</td> <td>-</td> <td></td> <td></td> <td>1.22</td> <td>11523</td> <td>26 Oct 2024</td> <td>18.2</td> <td>20.4</td> <td></td> <td></td> <td></td> <td>0.0004</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.003</td> <td></td>				ļ	0.148		0.0004	-			1.22	11523	26 Oct 2024	18.2	20.4				0.0004							0.003	
13 Nov 2024 16.8 17.7 5 99 0.0013 0.0036 0.0057 0.0195 0.0017 0.0097 7 90 0.0088 0.0212 0.00	Nov 2024         10.8         17.7         0         0.0002         0	0.03			-				0.0011				610	30 Oct 2024	13.6	14.3				0.0005							0.004	-
							0.0002		_		20 - 22		14.30	04 Nov 2024	16.6	17.7				0.0002							0.006	
13 Hor 2024 32.5	13 Nov 2024 32.5	and the second second	and the second second	NOE N			125	3003		1000	233.	Sel		13 Nov 2024	30.2	34.7	5.99	0.0013	0.0036	0.0057	0.0195	0.0017	0.0097	7.90	0.0088	0.0212		0.04
	Automatica and Autom			100 11			14		and the second	1	26.2	E	1 00	13 Nov 2024	32.5													
	Carlengobilly River					in the second				1	- Alexandre	Contraction of the second	obs Hole Paul				-											





			Sec.		the state	1000	the second	- 144	1.	1A				101		V	·	1														No. of the local division of the local divis							
EPL90	р	Nitrite + Nitrate as N	N	AI (F)	AI	As	Cr (F)		Cr	Cu	Fe	Pb	Mo	Ni	Ap	Zn (F)	Zn			16.00	Ser Mark	TELL.	1.28		0386383						1.50	100		144		2010			
Date	mg/l	-	mg/L	mg/L	mg/L	mg/L		-	-	mg/L	mg/L	-	mg/L	mg/L	-	-	-					18			The States	-								1.50					
04 Jun 2024	0.14	0.46	0.7		7.8	0.005	1	0.0	0180	0.0202	11.9	0.0326		0.037	3 0.0000	7 0.023	0.114				and the second	Same 18	EPL56	A861		20020	wil ette			675.00	1.00	19.52	2200		- AS				
10 Jun 2024	0.42	0.95	1.6		6.65	0.004	1	0.0	0159	0.0190	9.16	0.0327		0.032	2 0.0000	7 0.016	0.100	a ala ala ala	and see ht	0.		and the	EPLOO	P	Nitrite + Nitrate as N	N	AL	As (F)	As C	r (F)	Cr Cu	F) Cu	Fe	Pb	Ni	Ag A	a (E)	Zn (F)	7.
22 Jun 2024	0.95	1.74	2.8		23.2	0.015	>	0.0	1629	0.0772	34.4	0.133	1.40	0.133	0.0002	0 0.020	0.403	A COMPANY	1000		Sec. 1	1.12 6	Date	mg/I	mg/L	mg/L	mg/L				ig/L mg			mg/L					mgi
25 Jun 2024	0.36	2.04	2.4		24.7	0.017	0.000	2 0.0	0681	0.0727	44.8	0.16	1.44	0.139	0.0002	2 0.016	0.408	The second		100		- 10 - C -	04 Jun 2024	0.10	0.14		-	0.0011 0	-	-	0064	-	8 3.31	-	-				0.0
02 Jul 2024	0.14	2.21	2.5		6.00	0.004	>	0.0	0150	0.0149	8.40	0.0326	-	0.031	0.0000	4 0.009	0.085	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		AL OF			18 Jun 2024	0.03	0.02		1.36		0.0	0004 0.0	0.00	11 0.015	9 1.74	0.0092	2	0.00007	54	0.004	0.0
13 Jul 2024	0.27	0.74	1.2		10.1	0.0061	9	0.0	0250	0.0270	14.9	0.0507		0.051	B 0.0000	7 0.020	0.160	A DESTRICT		TPA LAN			27 Jun 2024		0.07		5.51	0	0026	0.1	0.00	12 0.10	72	0.0350	0.0204	0.00010			0.0
18 Jul 2024	0.34	2.29	3.1		14.0	0.009	5 0.0000	2 0.0	0320	0.0357	20.1	0.0678	6	0.063	2 0.0001	1 0.010	0.191	· · · · · · · · · · · · · · · · · · ·	a and	ale a			03 Jul 2024				1.09			0.1	0.00	21 0.030	4 1.43	0.0084				0.003	0.0
23 Jul 2024	0.43	3.11	3.1	0.043	2.74	0.001	7 0.000	3 0.0	1059	0.0066	3.20	0.0095		0.013	5	0.010	0.040	22.39 M	and I have been	10.00	2.42	C. W. M.L.	19 Jul 2024				1.46			0.0	0.00	23 0.056	8 1.69	0.0146	5	0.00004			0.0
29 Jul 2024		3.55		0.032			5 0.0002						-			8 0.016		1000 1000	E WEAK	101-2	3144	Co.A.	24 Jul 2024		0.07		1.88		_		0.00							0.003	
	0.39	0.67	1.0			0.012		1000								3 0.024		1200 8 200	0.2 Pt. 5	14 - 1	6 - 200		30 Jul 2024	200	0.02		2.38	(	0010	-	0.00 0000				0.0092	0.00003	-	0.004	
3 Aug 2024		2.35	2.8		10000000	0.031	-			0.234	124		4.94			2 0.015		100 000			1872		05 Aug 2024		0.03		1.11		_		0036 0.00			0.0058	14		3	0.003	
	0.38	0.72	2.1		122.40		5 0.000							1000000		2 0.016			90 42 00 P				13 Aug 2024	10200	0.02		2.15			1.55	0.00			0.0105		0.00003	-		0.0
8 Aug 2024			2.3		1000	0.007		10025				0.0580	-			1 0.016			No. Carlo	All and the	2.公当		18 Aug 2024		0.02		1.31		_		0.01			0.0078				0.003	
	1.42		1.3			0.014		1000								9 0.022		a dia	12.88		- 190	Contraction of the	28 Aug 2024 03 Sep 2024	1000	0.03	-	0.781		_	_	0.00 0.00 0.00			0.0045	-	0.00006 0)		0.003	0,0
2 Sep 2024		1.50	1.7		1000	0.006		12223				0.0712	-	Strates.		3 0.022		and a station	100			- 2 3	10 Sep 2024		0.07	0.7	0.835				0.00					0.00006 0.		0.003	
	0.44		2.2			0.007		-				0.0689	-			4 0.017		C. States and	13.2	1 and	APRIL C		16 Sep 2024	0.04	0.07	0.5	0.560		-		0018 0.00							0.003	
23 Sep 2024		0.47	0.7	-		0.011	-	1907								2 0.019			plint	12	22.7	ALC: NO	23 Sep 2024	0.04	0.93	0.9					0031 0.01						100	0.004	
13 Oct 2024		2.12	3.2			0.0065		_				0.0488		-		5 0.018		ALC: NOT ALC	the second has	1	<b>新新</b> 4	1000	02 Oct 2024	2000	0.02		0.484		-		0015 0.01				-			0.004	
18 Oct 2024		2.31	2.9			0.003	-	-				0.0199	5			6 0.018			1	Share		Ravine Cer	101 08 Oct 2024	0.06	0.02		1.99			0.0	0068 0.00	82 0.11	2.56	0.0154		0.00003		0.004	0.0
15 Oct 2024		0.29	0.7			0.0020		-				0.0116		0.015		101000	0.053	20 20 20 20		14/2	1 100	2	15 Oct 2024	0.06			0.554			0.1	0.02	01 0.063	0 0.718	0.0030			-	0.007	0.0
2 Oct 2024		0.81	1.4	-		0.0032	-	-				0.0214		0.023		0.018	0.074		· · ··································		131	No.	22 Oct 2024	0.14	0.02		3.20	0	.0013	0.0	0104 0.00	78 0.15	4.23	0.0220	0.0118	0.00004		0.006	0.0
5 Nov 2024		0.26	0.6			0.003		100.0				0.0402	2	12020		2 0.011		The Disking and	Children and		1 600		28 Oct 2024		0.08		0.262			0.0	00.0 8000	66 0.033	0 0.315	0.0012	2		1	0.006	0.0
1 Nov 2024	1.29	0.21	42	-		0.000		15.25					24	10007022		5 0.014		GARS STATIST	A Dea		1 70 14		05 Nov 2024	0.04	0.02		0.964	1		0.0	0.00 0.00	93 0.080	6 1/14	0.0062	2			0.003	0.0
B Nov 2024	0.00	0.16	_			0.002						0.0166		0.020			0.060		Marker .	1.11	11	1 14 75	11 Nov 2024	0.04			0.221			0.0	0.00 0000	25 0.019	3 0.334	0.0015	÷			0.003	0.0
8 Nov 2024 8 Nov 2024	0.09	0.12		-	9.24	0.002		0.0	1000	4.0031	9.11	0.0166		0.020	-	0.013	0.060	State State	and a start		and and	1 54	18 Nov 2024		-					_	0.01	28 0.041	7				1	0.003	0.0
Nov 2024	0.00	0.08	0.3		2.20	0.0013		0.0	1000	0.0000	2.00	0.0139		0.013		0.017	0.042	10 10 10 10 10 10 10 10 10 10 10 10 10 1	A Star St	PHILE P	5 K.	- Contraction	18 Nov 2024		0.166			1				_	-						_
5 Nov 2024	0.00	0.139			0.00	0.0010		0.0		0.0000	5.00	0.0130		0.013		3.012	0.042	State A Via	P	Seal 1	1		25 Nov 2024	0.06	0.02		0.595		_	0.0	0017 0.01	16 0.058	7 0.676	0.0038			3	0.004	0.0
1107 2024		0.135	C. Western	10000	-	and the second	10.00		Carlot of	100	10.000	No. No.	-	1000	2	1000	No.	A HER AND	1	ET. A	Contraction of the local division of the loc		25 Nov 2024		0.033				_		-	-	-		-				_
																	a state						201 1-15						inter of			and the second second							





PL67								and and a state of the	ing.	ALL ALL		Reg		l	No.	and the	Televit													
-L5/	P	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr	Cu (F)	Cu	Fe	Pb	Ni	Ag	Zn (F)	Zn	EPL97														
Date	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	Contraction of the second	P	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr	Cu	Fe	Pb	Ni	Ag	Zn (F)	
Jun 2024		0.03		0.262			0.0005		and the second s	0.352	-			0.004	0.01	Date	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	1
Jun 2024	0.22	0.22	0.6	0.659	0.0011	0.0039	0.0717		0.003	0.666					0.009	04 Jun 2024	0.11			3.28	0.0011	0.0105	0.0101	0.0051	7.2	0.0660	0.0155	0.00007	0.011	
Jun 2024	0.12	0.22	0.4	2.36	0.0010	0.0022	0.0058		0.0468	2.74	0.0077	0.0090	0.00004		0.021	10 Jun 2024	0.14	0.10	0.3	1.68		0.0066	0.0057	0.0030	3.68	0.0547	0.0100	0.00005	0.020	
Jun 2024	0.03	0.35	0.4	0.953	0.0009	0.0014	0.0026	6	0.026	1.04	0.0030				0.012	22 Jun 2024	0.12	0.02		4.23		0.0137	0.0151	0.0075	8.53	0.154	0.0238	0.00011	0.014	
Jul 2024	0.04	0.33	0.3	2.41	0.0011	0.0021	0.0055		0.0284	2.74	0.0079	0.0090	0.00004		0.018	25 Jun 2024	0.09	0.02		6.66		0.0210	0.0243	0.0118	17.1	0.251	0.0414	0.00019	0.010	T
Jul 2024	0.08	0.37	0.5	1.25	0.0012	0.0018	0.0028	0.0015	0.0294	1.32	0.0040				0.012	02 Jul 2024	0.17	0.12		3.45		0.0085	0.0102	0.0057	6.01	0.0910	0.0192	0.00007	0.008	
Jul 2024	0.03	0.42	0.5	2.74	0.0012	0.0024	0.0063	0.0014	0.0605	2.91	0.0096	0.0100			0.023	13 Jul 2024	0.11			3.40		0.0079	0.0115	0.0055	6.86	0.0861	0.0173	0.00008	0.017	t
Jul 2024	0.21	0.34	0.5	6.41	0.0014	0.0052	0.0156	0.0066	0.145	7.90	0.0217	0.0264	0.00015		0.061	18 Jul 2024	0.14	0.15	0.4	4.28		0.0104	0.0140	0.0072	9.21	0.139	0.0223	0.00010	0.031	Æ
Aug 2024	0.05	0.56	0.8	2.62	0.0011	0.0025	0.0058		0.0584	2.94	0.0090	0.0101			0.022	23 Jul 2024	- ten est	1	0.3	3.72			0.0122			0.0922			1000	-
Aug 2024	0.10	0.60	0.6	3.68	0.0012	0.0030	0.0084	0.0016	0.137	4.18	0.0118	0.0124			0.029	29 Jul 2024			0.4	2.67			0.0077			0.0638				-
Aug 2024	0.34	0.51	2.4	2.12	0.0012	0.0021	0.0046	0.0064	0.258	2.37	0.0059	l			0.017	05 Aug 2024			0.5	3.54			0.0119		7.8	212 - Carl (1997)		0.00012		-
8 Aug 2024	0.20	0.51	0.7	2.91	0.0013	0.0027	0.0061	0.0020	0.098	3.46	0.0100	0.0119	0.00003		0.026	13 Aug 2024			0.3	1.91	-		0.0058			0.0486				-
Sep 2024	0.31	0.49	0.7	5.91	0.0014	0.0040	0.0132	0.0039	0.438	6.66	0.0205	0.0227	0.00005		0.048		_		0.7	3.02	-		0.0095			0.0836				-
Sep 2024	0.31	0.59		1.49	0.0016	0.0021	0.0031	0.0097	0.304	1.68	0.0044	-			0.013	19 Aug 2024				1.47	-							0.00007	-	-
Sep 2024	0.11	0.62	0.8	1.87	0.0015	0.0023	0.0044	0.0093	0.146	2.11	0.0059				0.020	27 Aug 2024			1.0		-		0.0046			0.0439			0.033	-
	0.06	0.60	0.6							1.38	0.0036				0.013	Revine 02 Sep 2024	-		0.5	1.45	-		0.0046			0.0434				-
Oct 2024	0.21	0.67	0.9	2.43	0.0017	0.0028	0.0054	0.0056	0.214	2.86	0.0074	0.0091		-	0.022	Cometery 12 Sep 2024		225	0.4	1.73	-			0.0023		0.0379		0.00004	1.0.0	-
Oct 2024	0.03	0.83	0.9	0.735	0.0018	0.0020	0.0017	0.0040	0.0273	0.638	0.0018		-		0.007	17 Sep 2024		And the second second	0.4	1.69	-		0.0051			0.0347				-
Oct 2024	0.26	0.64	1.0	1.64	0.0020	0.0029	0.0038	0.0040	0.0753	1.99	0.0046				0.016	23 Sep 2024	0.05	0.25		2.25	_	0.0064	0.0070	0.0036	4.80	0.0511	0.0150	0.00004	0.042	
	0.11	0.51	0.7	4.04	0.0017	0.0038	0.0094	0.0119	0.369	4.84	0.0134	0.0154			0.034	04 Oct 2024	0.06	0.25		2.60		0.0070	0.0066	0.0041	5.07	0.0639	0.0139	0.00007	0.067	
	0.06	0.80	1.0							0.820		1			0.007	40 08 Oct 2024	0.19	0.60	0.9	1.76		0.0051	0.0042	0.0029	3.18	0.0523	0.0110	0.00006	0.066	6
	0.04	0.41								1.47	0.0040		-	-	0.011	15 Oct 2024	0.17	0.60	1.0	1.56	0.0010	0.0046	0.0040	0.0018	2.90	0.0227	0.0122		0.056	5
	0.03	0.73		0.239								-		_	0.004	22 Oct 2024	0.06	0.57	0.8	1.40	1	0.0042	0.0037	0.0022	2.62	0.0311	0.0104		0.105	Л
	0.05	0.77	0.9	0.251	0.0018	0.0020	0.0005	0.0030	0.0151		-	-	-	-	0.003	28 Oct 2024	0.19	0.59	0.8	2.35		0.0060	0.0059	0.0028	4.14	0.0424	0.0135	0.00004	0.102	П
Nov 2024		1.04										-	-	-		05 Nov 2024	0.06	0.19		1.31		0.0030	0.0038	0.0015	2.15	0.0203	0.0098		0.059	Л
Nov 2024	0.14	0.68	0.6	0,368	0.0016	0.0018	0.0008	0.0030	0.0188	0.383	0.0011	-	-	-	0.004	11 Nov 2024		0.22	0.4	0.972		0.0023	0.0026	0.0035	1.90	0.0188	0.0084		0.083	Л
Nov 2024		1.09		-	10. YE	No alles	Contra Co	20102	No. Los a	A STATES	1000	and and	ALC: N	No. 11	1 allow	18 Nov 2024		0.38	0.6	2.30		0.0046	0.0062	0.0032	4.24	0.0306	0.0160	0.00004	0.070	đ
				R. S.		in the			F-44			1		and the		18 Nov 2024		0.703									and the second second		and the second s	T
		8	DA.	North C						Sec.		N. C.		1	VAL A	25 Nov 2024	0.08	0.52	0.7	2.50		0.0044	0.0061	0.0040	4.33	0.0471	0.0137	0.00003	0.053	đ
			100	No.					112		No.	2012			an .	25 Nov 2024		0.700		1		ALL DOLLARS	CALING STOLES				Control Control			٩
											6.75		1. A.	S.V.		ALT SHE	281		Sector 1	7-14-1	1000	in the second	Part	189	63.00	States and	10 3		100	ł
								-Gig				J.						JE S										4	1	





				1		No.	X	S. S	1	APR -		and the second	1.30		New York			-	24	<b>*</b>			-			ine of			
		and the second	-366-				100		200	CHARLE.	Con -	-	1.000	1	EPL93														
								1				1	192			Р	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr (F)	Cr	Cu	Fe	Pb	Mn	Ni	Ag
			<b>1</b> 15 - 3	100											Date Date	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
	10	No. 14 Sector	2.43	Sec.		100	1			and the second		×.			04 Jun 20	4 0.44		0.4	4.52	0.0187	0.0347		0.0113	0.0056	7.52	0.0171		0.0185	0.00004
	2					2.2	the second		-			X	100	100	10 Jun 20	4 0.20	0.09	0.5	4.50	0.0160	0.0292		0.0116	0.0091	6.53	0.0199		0.0205	0.00004
EPL91	1.1	Contraction and a state													22 Jun 20	4 0.42		0.4	15.9	0.0141	0.0470		0.0428	0.0286	23.8	0.0868		0.0743	0.00015
1	P	Nitrite + Nitrate as N	N	AI	As	Cr (F)	Cr	Cu	Fe	Pb	Ni	Ag	Zn (F)	Zn	25 Jun 20	4 0.38	0.03	0.4	2.96	0.0178	0.0244		0.0076	0.0039	4.89	0.0131		0.0136	
Date	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	02 Jul 202	4 0.54			11.2	0.0154	0.0372		0.0322	0.0176	19.0	0.0522		0.0534	0.00010
	0.06			and the second second	0.0048		And the second second	0.0023	2.38	and the second second	1		0.003	0.022	13 Jul 202	4 0.33			3.26	0.0176	0.0303		0.0085	0.0045	5.00	0.0136		0.0134	-
	0.08	0.03	0.4		0.0028			0.0026	1.40	0.0056	-		0.008	0.030	18 Jul 202	4 0.15			1.14	0.0175	0.0255		0.0027	0.0016	1.62	0.0045			
	0.15	0.00			0.0043			0.0022	1.94	0.0096	-		0.000	0.023	23 Jul 20	4 0.38			8.21	0.0208	0.0339		0.0209	0.0116	12.1	0.0402		0.0344	0.00006
		0.07	0.3	0.552			0.0014	0.0022	1.18	0.0036	-		0.003	0.023	29 Jul 203	4 0.29		0.3	7.73	0.0243	0.0457	1.	0.0189	0.0109	11.7	0.0313		0.0348	0.00006
	0.10	0.07	0.5										0.003		05 Aug 20	0.73	0.10	0.4	8.75	0.0187	0.0393	0.0003	0.0237	0.0143	14.3	0.0450		0.0415	0.00007
	0.07				0.0089	_		0.0086			0.0178	0.00011		0.104	13 Aug 20	4 0.25			10.4	0.0196	0.0423		0.0259	0.0163	15.5	0.0513		0.0413	0.00010
	0.11		_		0.0047		0.0018	_		0.0087	_		_	0.010	19 Aug 20	4 0.45		1.3	4.82	0.0171	0.0297		0.0117	0.0057	7.56	0.0201		0.0199	0.00004
	0.07				0.0040		0.0010			0.0025				0.008	27 Aug 20	4 0.29		0.5	5.16	0.0225	0.0326		0.0131	0.0063	7.84	0.0230		0.0231	0.00003
23 Jul 2024	0.25		0.4	0.463	0.0027		0.0009	-	0.872	0.0042			-	0.009	03 Sep 20	4 0.37			24.9	0.0155	0.0551		0.0663	0.0437	38.8	0.140	1.27	0.116	0.00026
29 Jul 2024	80.0		0.3	1.41	0.0037		0.0032	0.0023	2.52	0.0134			0.007	0.036	12 Sep 20	4 0.47	0.04	0.4	7.98	0.0193	0.0351		0.0203	0.0094	11.5	0.0332		0.0351	0.00006
05 Aug 2024	0.10	0.03		2.07	0.0041		0.0045	0.0023	3.56	0.0213		0.00003		0.03	17 Sep 20	0.25			2.99	0.0196	0.0288		0.0075	0.0038	4.98	0.0141		0.0135	1.
13 Aug 2024	0.06			0.912	0.0040		0.0021	0.0012	2.06	0.0205				0.015	23 Sep 20	4 0.28		-	7.94	0.0179	0.0337		0.0215	0.0129	13.5	0.0422		0.0393	0.00010
28 Aug 2024	0.05	0.02													03 Oct 20	4 0.44		0.6	2.98	0.0169	0.0255		0.007	0.0062	4.68	0.0126		0.0141	0.00003
02 Sep 2024	0.07	0.06		0.444	0.0027		0.0012		0.990	0.0027				0.010	08 Oct 20	4 0.61		0.7	6.77	0.0106	0.0194		0.018	0.0097	9.65	0.0349		0.0301	0.00005
12 Sep 2024	51472	100000	2.3	0.567	0.0024	0.0002	0.0018		1.12	0.0046			0.003	0.012	15 Oct 20	4 0.25	0.02	0.3	0.518	0.0148	0.0174		0.001	2	0.670	0.0021			
	0.06	0.35	0.6	0.592	0.0031		0.0023	-	1.44	0.0083				0.011	22 Oct 20	4 0.24	0.07	0.4	1.23	0.0091	0.0146		0.003	0.0018	1.77	0.0056			
	0.08	0.29	0.3		0.0024		0.0023		1.47	0.0089				0.020	28 Oct 20	4 0.26	0.03		3.16	0.0104	0.0227		0.007	0.0040	4.80	0.0148		0.0133	
	0.06	0.19			0.0037			0.0011	1.75	0.0082	-		0.003	0.017	05 Nov 20	0.09			3.49	0.0094	0.0204		0.008	0.0041	5.10	0.0141		0.0145	0.00004
and a standard state in the same state of the same	0.19	0.15	0.4		0.0087			0.0078	8.25		0.0165	0.00010		0.100	11 Nov 20	4 0.11			4.02	0.0105	0.0204		0.010	0.0049	6.88	0.0182		0.0183	
	0.16	0.02			0.0044			0.0015	2.20	0.0177	0.0105	0.00010	0.004	0.018	18 Nov 20	0.20			1.72	0.0102	0.0162		0.004	0.0034	2.53	0.0071			
	0.09	0.20	0.7	0.554				0.0012		0.0053	-		0.007	0.015	25 Nov 20	0.08			3.06	0.0088	0.0185		0.006	0.0033	4.49	0.0127		0.0110	
	0.09	0.20	0.7		0.0030					0.0081		-			2 / 10 - 10t	and the second	Contraction of the	18	100	2 648	Car	100			181	See .	a state	A KEE	
	1010							0.0012					0.006	0.017	and a state	SAN DE	and the second second	Ties	TAR			R TOP	1000		and a	5-350	- Barris		1
	0.08	0.14	0.6	0.658			0.0020		1.68	0.0054	-			0.019	N 7. 4 14	Sec. 1	1			525	- Al	Contra-	10	2.10		2	- teine	Laboration of	16
	0.06	0.12	_		0.0043			0.0016	2.67	0.0098	-		0.004	0.022					100			and the second	1				100		23
	0.05	0.05	-	0.835	0.0035		0.0023	0.0014	2.07	0.0116	-			0.017	- Charles	2.1				SPACE.			at at	1200	100			339	Sec.
18 Nov 2024		0.213	-		-	-			-					-	a state	Service .	CALCONNEL		- China		10	「「た	12-	1.25			12		18 51
25 Nov 2024	0.08	0.10	0.3	0.519	0.0026		0.0013		1.19	0.0045	-			0.012	10. 25 G 10 : "	1.	State of the second		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100	1	R. d.	ACCE		. Sen	- AND	
25 Nov 2024		0.163														-10-10-10-10-10-10-10-10-10-10-10-10-10-	END CONTRACTOR OF STREET, STREE				1000		1000				10 - S		











			330			in the second	-	-	1.000				1	
94														
P	Nitrite + Nitrate	IS N N	AI	As (F)	As	Cr	Cu	Fe	Pb	Mn	Ni	Ag	Zn (F)	Zn
Date mg/	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
n 2024 0.15		0.4	3.54	1.000	0.0116	0.0094	0.0067	8.44	0.0168		0.0156	0.00003	0.008	0.356
n 2024 0.11	0.02	0.4	1.90	0.0014	0.0087	0.0052	0.0036	4.44	0.0091		0.0106		0.007	0.142
2024 0.33		0.6	7.10		0.0174	0.0225	0.0170	13.8	0.0359		0.0353	0.00006	0.012	0.595
2024 0.06			2.12	0.0036	0.0137	0.0064	0.0044	6.7	0.0095		0.0116			0.159
024 0.13			8.14		0.0192	0.0270	0.0176	16.9	0.0445		0.0407	0.00006	0.008	0.725
0.20			4.52		0.0167	0.0143	0.0120	10.4	0.0262		0.0195	0.00008	0.012	0.324
024 0.07			0.668			0.0055		-	0.0026					0.058
4 0.09		0.5		-			0.0098				0.0207	0.00004		0.356
24 0.07		_	6.18	0.0011						-		0.00004		0.402
		0.5	0.10	0.0011	10000	0.001/6	-		0.00260		0.0235	0.00004	0.004	
	191													
		8.0		_			0.0548	1000				0.00023		2.03
024 0.24		1.4	12.6	-			0.0299			1.32		0.00010		0.726
0.06			2.97	_	1000		0.0053				0.0146			0.154
024 0.10	83	0.3	3.38		0.0132	0.0103	0.0062	7.54	0.0184		0.0163	0.00003		0.172
0.09			0.316	6	0.0027	0.0009		0.954	0.0014				0.007	0.027
24 0.09			2.48		0.0131	0.0075	0.0044	6.90	0.0161		0.0132		0.006	0.178
0.06			2.16		0.0135	0.0067	0.0041	6.34	0.0137		0.0115	0.00003	0.009	0.184
24 0.09	0		1.53		0.0159	0.0043	0.0028	5.57	0.0075				0.008	0.095
24 0.09		0.3	1.99	0.0011	0.0130	0.0058	0.0039	5.40	0.0091		0.0096		0.010	0.113
024 0.13	20		0.932		0.0067	0.0028	0.0018	2.68	0.0040		-		0.019	0.135
2024 0.10			1.76		0.0068	0.0049	0.0050	4.21	0.0088		0.0088		0.020	0.130
2024 0.13			1.63		0.0123	0.0046	0.0028	5.01	0.0078			1	0.012	0.091
2024 0.03			1.92		0.0144	0.0052	0.0032	5.39	0.0094		0.0089	0.00003	0.005	0.131
2024 0.04		_	3.01		0.0150	0.0088	0.0060	8.60	0.0154		0.0157	-	0.012	0.252
2024 0.10		0.3	2.32	0.0010	0.0185	0.0067	0.0073	7.10	0.0126		0.0132		0.003	
v 2024 0 21			1.70				0.0067				0.0111	-	0.003	
						San Start								





# LOBSHOLE – MAIN YARD

EPL16			- C.A. H			244.4	P.C. V.	and the second	CHALINED VA		×	44 10	1-1			-
	Nitrite + Nitrate as N	N	AI (F)	AI	As	Cr (F)	Cr	Cu	Fe	Pb	Zn		A The		RELEGA	u ver
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	HOWRAVIA	2 1	-	STATE OF	
8 Jun 2024				0.044							arrangobilly R	Non	100	2.24		
14 Jul 2024	0.04			0.088			0.0003					1	-	100	-3-6	
03 Aug 2024			_	0.256			0.0006	_			3.40	"Ne"	1		A. SA	12.5
04 Sep 2024				0.176			0.0005				and the second second	100	-2-2	<b>9</b> * 5 <	The second	
26 Sep 2024	0.02	0.8	0.086	2.32	0.0009	0.0004	0.0053	0.0030	1.92	0.0017	0.006		Ter -	1.5	30 m	1-0
04 Oct 2024				0.178			0.0005				The second	the set of	EPT.	6 - 50	With Sad	ter L
3 Nov 2024	Court of the local division of the state of the	No. Company	No. of Concession, Name	0.067		and the second second	0.0003					S de	100	1	ALC: N	
												and the		器	Cort	ale sur
					-				- Course			ine *				ana a
													Pest www.			10
							0.000.000	and the		C C C C C C C C C C C C C C C C C C C		and the second		C. alter	to little	
												2.77			Contra Contra	
																The second
11													A PAR		Six	The seal
			44							-			**			T LES
			4				4							6		The man
							6							5		Contraction of the second seco
									EPL1	124			1911 A	6		×
							4		EPL1	124	Nitrite + Nitrate as N	AI	As	Cr	Fe	× Zn
										124	Nitrite + Nitrate as N mg/L	Al mg/L	As mg/L	Cr mg/L	Fe mg/L	
	- Carl								08 Ju	Date un 2024	mg/L	mg/L 0.500		mg/L 0.0011	mg/L	Zn
									08 Ju	Date		mg/L		mg/L	mg/L 0.469	Zn mg/L
									08 Ju 14 J	Date un 2024	mg/L	mg/L 0.500		mg/L 0.0011	mg/L	Zn mg/L
									E 08 Ju 14 J 03 Au	Date un 2024 lul 2024	mg/L	mg/L 0.500 0.082		mg/L 0.0011 0.0002	mg/L 0.469	Zn mg/L





							100			C.L.		Cemelery			and the second			1. S. S. C. S.		-794s				18	Le lir	132	1		
PL85		ALC: NO			100426-08		ALC: N	Se Sola		11004	ALC: O	1112 1	A.C. 1922	1997) - 193	4 6 6.60	16-1 - 64698	×		100										
	Nitrite + Nitrate as N	N	AI (F)	AI	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Mn	Ni	Ag	Zn			A MARK	1 Starting	22.00		1814		1.0	1.8.8	0000		
Date	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	EPL86		1										1 -
01 Jun 2024	34.2	40.8		2.36	0.0051	0.0067	0.0097	0.0162		0.0049	2.98	0.0038		0.0101		0.018		Nitrite + Nitrate as M		AI	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Zi
05 Jun 2024	5.82	7.0		1.64	0.0052	0.0058	0.0123	0.0180		0.0036	1.86	0.0032				0.010	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg
16 Jun 2024	6.42	8.0		2.58	0.0050	0.0064	0.0160	0.0238		0.0047	3.37	0.0044		0.0113		0.018	01 Jun 2		5.0	0.66			0.0006			100000000	0.753	0.0012	0.0
21 Jun 2024	6.73	7.8		1.24	0.0046	0.0050	0.0160	0.0199		0.0027	1.41	0.0023				0.010	05 Jun 2 16 Jun 2		6.5 8.1	0.225			0.0022			0.0023	0.500		0.0
27 Jun 2024	6.47	8.0		2.15	0.0044	0.0054	0.0200	0.0258		0.0034	2.56	0.0039		-		0.012	16 Jun 2	- 1	-		0.0021						0.592	-	0.0
04 Jul 2024	6.10	7.6		1.85	0.0036	0.0042	0.0424	0.0482		0.0036	2.36	0.0032				0.011	21 Jun 2 27 Jun 2		14.1	0.211			0.0024					-	0.0
10 Jul 2024	6.41	7.7		-	0.0032		0.0364										04 Jul 20	7.1	13.9									-	+
17 Jul 2024	4.56	5.4		1.24	0.0035	0.0038	0.0122	0.0152		0.0023	1.36	0.0022				0.010	11 Jul 20		20.0		0.0025					0.0025	0.534	0.0012	0.0
26 Jul 2024	2.94	3.6		1.86	0.0028	0.0036	0.0168	0.0218		0.0034	2.16	0.0047				0.012	17 Jul 20	1.1	17.2	0.689	0.0022							0.0012	-
25 Aug 2024	6.79	8.8	-	0.239	0.0009	0.0011	0.124	0.126		0.0016						0.003	26 Jul 20		28.1	0.599	0.0020							0.0010	-
29 Aug 2024	4.10	8.1	0.029	5.53	0.0035	0.0053	0.0526	0.0668		0.0101	7.62	0.0142		0.0254		0.042	20 Jul 20		29.9	0.495	0.0024		0.0014				0.415	J. WOTT	0.
05 Sep 2024	4.24	5.1	0.032	1.26	0.0025	0.0028	0.0905	0.0870		0.0028	1.64	0.0029	-	· · · · ·		0.008	02 Aug 2		30.0		0.0024							0.0012	-
9 Sep 2024	4.72	4.7	0.049	3.64	0.0034	0.0044	0.0846	0.0911		0.0058	5.49	0.0073		0.0154	-	0.023	15 Aug 2		27.5	0.757			0.0024				0.628	0.0013	-
20 Sep 2024	5.55	6.8	0.040	10.9	0.0051	0.0092	0.0633	0.0977		0.0186	15.9	0.0198		0.0490	0.00003	0.076	25 Aug 2		29.1	1000	0.0022					-	1.09	0.0019	-
28 Sep 2024	3.58	5.5	0.034	8.90	0.0058	0.0091	0.0393	0.0630		0.0138	10.7	0.0150		0.0335		0.053	29 Aug 2	the second s	19.4	2.14			0.0078			-	2.82	0.0061	-
01 Oct 2024	4.08	4.9	0.039	3.24	0.0059	0.0072	0.0494	0.0607		0.0052	3.91	0.0050		0.0130	-	0.018	05 Sep 2		23.2		0.0024							0.0025	-
09 Oct 2024	4.45	5.8		2.38		0.0052			1. 1	0.0037		0.0034		0.0086		0.013	09 Sep 2		27.3		0.0029						1.24	0.0027	-
16 Oct 2024	4.40	5.0		0.771		0.0034			-	0.0014		1000				0.005	22 Sep 2	and the second se	24.4	-	0.0026					-	2.04	0.0038	
21 Oct 2024	3.39	4.0	a contra	1.23	0.0032	0.0037	0.0881	0.0964	_	0.0020	1.30	0.0019				0.006	28 Sep 2	And and a second se	21.5	1.92	0.0021							0.0043	-
29 Oct 2024	4.39	5.2	0.123	0.992		0.0009	0.185	0.190		0.0015	0.765					0.003	01 Oct 2		28.3		0.0021					5.00	1000	0.0020	-
02 Nov 2024	3.11	4.7	0.107	0.478			0.193	0.204		0.0017				-		0.003	09 Oct 2	and the second se	23.3	0.818	0.0022			0.0066		Construction		0.0019	
04 Nov 2024	4.67	6,1	0.212	0.917	0.0012	0.0015	0.182	0.195		0.0012		1.000	-			0.003	16 Oct 2		24.4	1.08			0.0054					0.0027	-
12 Nov 2024	9.13	10.4	0.028	31.6	0.0114		0.182	-	0.0011			0.0529			0.00010		21 Oct 2		6.5	1.90			0.0107			5.000100		0.0027	
19 Nov 2024	7.21	11.8		42.6	0.0176	0.0288	0.103	0.235	0.0016	0.0627	62.5	0.0680	1.41	0.216	0.00010	0.295	30 Oct 2		26.5	0.942					0.0015	Strides and		0.0012	-
19 Nov 2024	12.1			-									-			Concernant of the local division of the loca	04 Nov 2		20.8		0.0030		0.0054			1000 C		0.0012	-
26 Nov 2024	6.62	8.4		12.9	0.0157	0.0213	0.0818	0.128	0.0012	0.0172	16.3	0.0213		0.0596		0.077	12 Nov 2		11.6		0.0024							0.0012	-
26 Nov 2024	16.8	-	-		-		-						-		-		19 Nov 2		13.2	100000000	0.0020					Stand and a		0.0030	
28 Nov 2024	5.71	5.7	-		0.0128		0.0407		0.0012					-	-	-	19 Nov 2	2000 C	10.2				Joved		5.0010				-
28 Nov 2024	6.06	6.2	-		0.0118		0.0360	-	0.0018					-	-	-	26 Nov 2	100 C	15.5	0.513	0.0017	0.0022	0.0014	0.0022	0.0015	0.0028	0.465		0.0
28 Nov 2024	8.24	-															26 Nov 2	and the second se											-
												and and	AN AN	Ċ,									No.	ALC: NO					





Carles and			and the second	River	V	A STATE													Jac /			Miles !	
1. 1. 1.	(Estate)		29	6 K	120	Enr	and the					- 44	AN						and the second	and the second	1	States and	
3- 17 A.				- 193		ALC:	297	7.				3955 ·	and the second						Carpeller 1		21	Same and the	and the
		Part Parts		1.5	11	. this	10	0.23	1.000	N.									10000	AN PER			
					Dest		A.A.		State of	a vanan			1		mach		10.15			STR.			
					then it	题 并	284		-	0		ALC: N			1		1	Ale a	1969 an	7 7727999			
Descripter 4						STEL.		2	1-	50	11											There is all -	-
	fr stales		as the second				71 Bar	No.	1.0	200	8	1						100		A Constant of the		a contra	
					1	no la	W.S.	1	HH.	-											1 Cartster	ALC: NO	
	Bar Starter							ELL	100	14	2	12-14	E.E.A.					1 4 A		C. C. C. C.	C TOTAL		
							短跑!	No.	20	20/1	N A	10		A					14	A CONTRACTOR		- April -	
And the second second second	EPL84						-		100										A X				
		Nitrite + Nitrate as N	CN-	N	AI (F)	AI	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Mn	Ni	Ag	Zn (F)	Zn			Contraction of the second	
	Date	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				12
and the second second	01 Jun 2024	10.1		13.8	0.151	13.4	0.0059	0.0109	0.123	0.164	0.0020	0.0282	20.1	0.0273		0.0564	0.00005		0.115				
	09 Jun 2024	20.1		24.7		0.412	0.0019	0.0020	0.0912	0.0961	0.0020	0.0029	0.391					0.003	800.0				
	16 Jun 2024	14.7		20.2		13.4	0.0035	0.0083	0.0642	0.104	0.0024	0.0277	19.7	0.0275		1000	0.00004		0.118				
	21 Jun 2024	15.3		27.2		12.0	0.0039			0.104		0.0261	15.9	0.0271			0.00003		0.104	alle te			
A REAL AND ADDRESS AND	27 Jun 2024	16.8		22.6	_	19.1	0.0041				0.0031		27	0.0420			0.00006		0.141	1 4 1 1			
	04 Jul 2024	7.44		16.0		8.97	0.0031				0.0027		12.5	0.0170		0.0356			0.070	SUDA	Man	The second second	
	11 Jul 2024	7.00		13.0		15.5	0.0036			0.0996		0.0292	21.8	0.0329			0.00005		0.125	C. C.			
	17 Jul 2024	3.30		6.5	-	20.4			0.0206				28.8	0.0458			0.00006		0.160				
	26 Jul 2024	2.25		4.0	0.440	11.0			0.0094	100000	1000000		15.2	0.0278		0.0481	0.00003	0.000	0.090				14
	02 Aug 2024	7.90	0.012		0.418	1.40 0.526	0.0027		0.119	0.131	0.0011	0.0015	0.801	0.0012				100-00-00-00	0.008	The second			
	08 Aug 2024 17 Aug 2024	12.8	0.012	10.9	0.308	2.01	0.0020		0.110	0.117		0.0014	2.14	0.0030		0.0087			0.026	a - Jacob - and		C. C.	
	25 Aug 2024	11.5		19.2	0.115	2.43	0.0043				0.0018		3.20	0.0046		0.0108		0.004	0.021				Ste
	29 Aug 2024	5.50		8.6	0.115	18.7			0.0517				29.0	0.0490			0.00007	-	0.155				
Dir a Man	05 Sep 2024	5.86	-	8.3		17.3	0.0046			0.104	0.0017		26.3	0.0460			1444000	-	0.152	Vales in Sele			
	09 Sep 2024	5.89		5.9		21.2			0.0479	0.102			36.0	0.0491		0.0966	0.00006		0.176	210			23
	20 Sep 2024	6.06		10.2	0.028	11.4	0.0057	0.0104	0.0311	0.0649	0.0018	0.0259	17.1	0.0260		0.0530	0.00004		0.095		- And The State of the	Carlo I Mark	
	28 Sep 2024	3.13		6.1	-	28.5	0.0037	0.0138	0.0372	0.111	0.0016	0.0556	40.0	0.0605		0.114	0.00009		0.201				
and the second	01 Oct 2024	3.27		10.4		15.2	0.0052	0.0105	0.0444	0.0874	0.0022	0.0324	20.9	0.0342		0.0672	0.00003		0.118				
	09 Oct 2024	5.72		10.3		26.8	0.0083	0.0146	0.0531	0.129	0.0022	0.0469	40.5	0.0519		0.103	0.00007		0.191				
	16 Oct 2024	2.72		9.8	0.057	30.6	0.0128	0.0214	0.101	0.175	0.0024	0.0534	38.2	0.0674		0.118	0.00005		0.216				
	21 Oct 2024	1.35		6.2		27.9	0.0080	0.0158	0.0297	0.106	0.0017	0.0554	39.5	0.0621		0.112	0.00006		0.204		State State	State 1	
and the state of the second	29 Oct 2024	1.86		5.8	0.031	30.4	10000000	0.0190	100000	0.132	1000 C	0.0618	43.7	0.0741		0.133	0.00011		0.228		1 Parties	A CARLON AND	
	04 Nov 2024	6.03		10.4		18.0		0.0173		0.171		0.0324	24.3	0.0386			0.00006		0.135		1		
	12 Nov 2024	13.4		16.2		28.3	Tree a base	0.0224	10000	0.210	1220000	0.0493	47.4	0.0612		1000000000	0.00008		0.218	100			
	19 Nov 2024	7.15		12.6		52.8	0.0167	0.0302	0.0696	0.225	0.0027	0.0955	80.0	0.123	1.77	0.249	0.00012		0.394	and states	and an and	A CONTRACTOR	
A REAL PROPERTY AND A REAL	19 Nov 2024	13.7	_																2.00		Frank State	State of the second	
A CARLENGE STOLL	26 Nov 2024	15.5		18.4		49.7	0.0177	0.0295	0.0732	0.210	0.0029	0.0869	70.4	0.115	1.66	0.213	0.00015		0.360	NOT STATE			
	26 Nov 2024																						





PL87		13														A X					1.123	100								1000		
	Р	Nitrite + Nitrate as N	N	AI	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Mn	Ni	Ag	Zn	100000													So He			
Date	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	10 2	100			1-20	at -	interno d		10.50		1				24		
Jun 2024		1.80	2.1	1.02	0.0013	0.0004	0.0022	2	0.0020	0.998	0.0015				0.007	25 Otal To					and a		and the second	Ster.		Pat-J.	1 4 1 1			13.00		
Jun 2024	0.05	1.92	2.1	3.10	0.0033	0.0005	0.0063	3	0.0057	3.79	0.0051		0.0096	0.00004	0.016	all a	1 10				A.C.	10,211	1- 21 A	Alle:				Cons.	1 m	2	-	2
Jun 2024	0.17	2.51	3.2	2.88	0.0021		0.0038	в	0.0040	2.53	0.0045		0.0087	0.00003	0.013	a set	副創	Canal And											81. 1.1	SALL.	1	
Jun 2024	0.10	2.79	3.5	3.47	0.0019		0.0036	5	0.0036	2.53	0.0062		0.0082	0.00003	0.013	四季 毛織		C. Barris	6.70				See Ling			的說				28	- P	1
Jul 2024	0.03	2.26	2.8	1.18	0.0009		0.0014	4	0.0018	1.22	0.0015				0.007	DISTR SPE	14		-						5			1.500	apr-		Sint 1	
Jul 2024	0.04	2.56	2.9	3.79	0.0027		0.0041	1	0.0056	2.87	0.0060		0.0081	0.00004	0.017	Carlos Inter	用語	ST AL	N.C.		MARINE							2		16		
5 Jul 2024	0.06	3.31	4.1	3.91	0.0028	0.0003	0.0050	0	0.0053	3.32	0.0049				0.014	Station 7	231	and the second	No.			Martin Contraction	4-7-36			No.	6.1		VARIA.			1. 1
5 Jul 2024	0.09	2.82	3.5	2.77	0.0017	0.0006	0.0060	D	0.0044	3.01	0.0039		0.0088		0.013			The second second	144	See.										1200		
Aug 2024	0.53	2.06	4.2	9.29	-	-	0.0234		0.0140		0.0139	-	0.0317		0.052	1000	E	and the second second	100	No.	ALC: N					Start 1	1		The state	88. C	N.M.	
Aug 2024	0.25	2.32	4.8	21	0.0059	0.0008			0.0312		0.0321			0.00009	1111111	EPL88																
Aug 2024	0.92	2.64	4.3	51.2	-	-	0.121		0.120			2.04	0.174				Ρ	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ni (F)	Ni	Zn (F)	Z
Aug 2024	0.17	2.94	3.9	13.2	-	100000	0.0285		0.0301		0.0192			0.00008		Date	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
Aug 2024	0.48	3.14	4.3		0.0082			0	0.0356		0.0319			0.00011		07 Jun 2024	0.03		0.3	0.207	0.0092		1.	0.0013		0.0062	0.504			_	0.016	0.0
Sep 2024	1.33	3.43	6.2	64.8					0.143		0.143	2.06	0.287			16 Jun 2024	0.05	0.04	1	0.104	0.0088	0.0127	0.0006	0.0012		0.0040			0.0086	0.0112	0.024	0.0
Sep 2024	220	3.65	3.6		0.0141	-			0.0848		0.0686			0.00015		21 Jun 2024	0.04		0.3	0.103	0.0077	0.0166		0.0018	0.0011	0.0075	0.313				0.013	0.0
Sep 2024	0.74	3.21	5.9	43.6		0.0004			0.0931		0.0789			0.00023		28 Jun 2024	0.03	0.02	0.3	0.148	0.0091	0.0170		0.0021	0.0183	0.0672	0.405		0.0083	0.0107	0.018	0.0
Sep 2024	1.53	3.58	8.3	152		0.0045		7 0.0012	0.271	174	0.247	3.39		0.00067	0.796	w 06 Jul 2024	0.06	0.03	0.5	0.139	0.0090	0.0212		0.0017	0.0142	0.124	0.482			0.0083	0.013	0.0
Oct 20.74	0.84	Constal Street	5	226	1 0079	0.0133	0.0757	0.0012	0.0418	22.3	0.0334		00007	0.00005	0 130	12 Jul 2024	0.05		0.3	0.472	0.0078	0.0221		0.0040	0.0085	0.0786	0.964	0.0015			0.004	0.0
Contraction of the second					and the second						100			别		16 Jul 2024	0.08	0.02	0.4					0.0018			0.606			_	0.003	0.0
S. Sale									See.	平均加	1		12 2	2 Mar .	-in	26 Jul 2024	0.04		0.3	-	0.0113					0.0450		0.0046		0.0136	0.004	0.0
1. 3.		and the second		8.00	Res .		A La				N Cas			140		02 Aug 2024	0.09		0.3		0.0126				0.0024		1:30	0.0023	_			0.0
						- 199).							Con Li		$X^{\prime} = $	08 Aug 2024			0.4		0.0066			-	0.0017	0.0152						0.0
								1.22				S.L			100	15 Aug 2024	0.05		0,4	0.054	0.0090			0.0008		0.0072		-	-			
			-3				法。德									24 Aug 2024	0.04		0.6	0.265					0.0013	0.0052			-			0.0
12	chiq.	and the second	1					No.			1	a fe			122.00	29 Aug 2024	0.07	0.02	0.6	0.041	0.0079		_	0.0006			0.455		-			0.0
	Charles .			a. 5			6	ALC: NO			Contraction of	aller.		Pace -		05 Sep 2024	0.06		0.4	0.211		0.0331	_	0.0027		0.0143	1.04	0.0016		0.0082	_	0.0
		State / Sta		1			1 A. A.	172			2 Crow	10	Sec. 1		Con San	09 Sep 2024	0.05	0.03	0.5	0.077	0.0075			0.0008		0.0050					_	0.0
		ALL SPORT	See.		1910					63.5	-	1	and a			20 Sep 2024	0.07		0.5	0.038			0.0003				0.611					0.0
Ser in	ADA C	a state		1.17						11	See.	1	1000			28 Sep 2024	0.05		0.5	0.251	0.0100				0.0020	0.0227				_	_	0.0
	644	Carlo Partie								Sec. 1				CRA L		01 Oct 2024	0.10		0.6	0.007	Sector Sector	0.0215		0.0003		0.0018						0.
tal . Sal				a fair	2-572	A #1				Real Providence	Sec. 1	10				10 Oct 2024	0.05		0.5		0.0062			0.0006		0.0044				-	<u> </u>	0.
Carlos I	12.5		100							Carlos a	A De-	C.	S SE	and -		16 Oct 2024	0.07		0.6	0.060	0.0112			0.0006		0.0062		-		-	<u> </u>	0.
	Sec.		Sec. 1					A SAL								21 Oct 2024	0.07		0.7		0.0068	and the local		0.0013		0.0121		-		-		0.1
1.200			2500	inde S	Con Sta	any.		and the second				13 2				29 Oct 2024	0.09	0.03	0.6		0.0055	a de la companya de l		0.0015		0.0051	1.41	-		-		0.1
				1000								-				06 Nov 2024			1.6		0.0039	-		0.0005		0.0175				-		0.
		and a second		900 C	1.		1			AN COLUMN	337-2					12 Nov 2024	0.03				0.0122			0.0007	_	0.136	1.45			-	-	-
	165	ACTOR NO		1.26	13.6	S.R.A.	A MASS			Sec. 1	and and	S.P.F			1	19 Nov 2024	1000		0.7		0.0150		-	0.0006		0.0068	1.42	-				
	a set a	Section of the	Contraction of the	CARLS.	5.8.8.7	23.00		S. S. Carlos				2/2	200			26 Nov 2024	0.08		0.7	0.044	0.0181	0.0344		8000.0		0.0307	1.45					0.0





	100	A COLORED TO A COLOR	AND N	Contraction of	100 100		ALC: NO	Se	Selle.		EPL83																				
10 1 20		Call of the			1					Yest			P	Nitrite + Nit	rate as N	N	AL	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Mn	Ni (F)	Ni	Ag	Zn (F)	Zn
di o	1		402								D	ate	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
Car Color	Sec. 1	A State (	-	100							07 Ju	n 2024	0.09	8.0	6	9.9	1.24	0.0018	0.0099	0.0005	0.0047	0.0028	0.0085	1.77	0.0016		0.0168	0.0226		0.006	0.017
24 6 3			HAN	100	41.85	A STAN			e.Alia		16 Ju	n 2024	0.20	7.4	3	8.8	0.920	0.0036	0.0050	0.0130	0.0157	0.0017	0.0046	1.06	0.0014			-			0.010
Stand Stan		ALC: NO	1	- Andrews	- 99						21 Ju	n 2024	0.04	8.4	0	9.4	0.238	0.0015	0.0026	0.0014	0.0023	0.0020	0.0033	0.304			0.0159	0.0182		0.008	0.010
		- Teller	1 and the second	200	30	Rest	- ALVE	- ALC	a state		28 Ju	n 2024	0.04	9.7	8	11.9	0.201	0.0014	0.0023	0.0011	0.0018	0.0021	0.0041	_			0.0254	0.0287	_	0.010	0.015
			a mart	and the	11/13	STATES IN				X-960		12024	0.03	8.0		9.4	2.17	0.0013		0.0020	0.0091	0.0015	0.0082	2.95	0.0022		0.0118			0.005	0.019
		12. A. A. A. M. A.	100	and a	Carles	Tasto						12024	0.03	8.2		9.1	0.173	-	0.0016		0.0038	0.0015		_			0.0089	0.0125		0.006	0.014
		C. Law	see 7	S . F.	2.00	0		1700 A.S.			-	12024	0.04	9.2		10.2	0.639	0.0023			0.0130		0.0040	0.656	0.0013					0.003	0.010
		and There	RAL-	and the		200						12024	0.09	4.4		5.1	4.63	0.0025			0.0286			6.15	0.0099			1000000	0.00009		0.064
the second second			1			Par C	10-10					-	0.04	6.3		7.4	6.86		0.0129			0.0017		9.63	0.0125			0.0310	-	0.005	0.072
Contraction of				100		Sect.	MAR		2.1				0.08	14.0		17,7	5.1	0.0029			0.0412	Contraction of the		7.08	0.0079				0.00003		0.043
		State State			14	State.		100	Sec. 1	12.			0.93	8.8		10.7	23.1	0.0028						34.8	0.0332			1000000	0.00016	0.004	0.203
Sector Ant		E SPACE			、爱	Speril	11			100		g 2024	0.24	8.8		11.0	17.5	0.0049		0.0259	0.0794	0.0053	0.0611	29.2	0.0273			0.0727		-	0.136
						7 12371	- Ban	A les	-	10.00	-		0.50	6.2		7.5	18.6	0.0038		0.0268	0.0837		0.0142	28.6	0.0351			0.0781			0.146
Section 2			200	S.J. P		a de	1	50 A			-	p 2024	0.50	5.5		6.7	12.0	0.0025		-		0.0024		18.4	0.0233			-	0.00008	0.003	0.100
and the second				同时,		Real Contraction		Color B	-		1	p 2024		5.5		5.5	6.88	0.0022		0.0203	0.0390	0.0027	0.0255	11.6	0.0122				0.00004		0.057
			C LEGAL		Carlor Martin	191920	BE	-				p 2024	0.26	7.7		9.6	3.58	0.0021	0.0120	0.0195	0.0303		0.0147	5.05	0.0057			0.0190			0.029
		Softwarte N		Costs	Sec. C.		1	Children of	4		28 Se	p 2024	0.49	3.7	7	6.0	12.4	0.0017	0.0199	0.0155	0.0466	0.0022	0.0424	16.0	0.0193		_		0.00009		0.086
Carlos Carlos				and the		4 54		1	1	12.9	11.00	1 7024	8.51	Charles and	Service.		26.2	0.0039	0.0537	10.0758	0.100	0.0034	0.0886	36.1	0.0.191		10-10-00	0.101	0.00020	dera.st	0.221
	6. St.	State of						10	States .	291	All a					h i se	98 H.			1 %						2		100	1000		
		A REAL		e the the		12 h 19	3	and and	1	1.30	1	- Al					1		1												
				and a state		See.	A LAND	The start		A LOUGH	1 8					Yune	per 1	and a	A DE L	Cons.						199	2 1				
	2 <b>3</b> 3,614	At the		E COLLEGE		120 1		200	WEL X	204	12 3	1	10.86	100		Alte-		1	and the second								8.4		100	1240	
EPL82							-			_			-					A X		N	1995						194				4.00
	P	Nitrite + Nitrate as N		AI	As (F)		Cr (F)	Cr	Cu	Fe (F)	Fe	Pb	Ni (F)	Ni	Ag	Zn (F)	Zn		1 12	Sectors 1											
Date	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														
07 Jun 2024				0.460	0.0027		-	0.0006		0.620	3.21	-	-				0.004	10.00				2020	192300	1.1.17				and the second		2 324	
16 Jun 2024	0.04	0.02		0.363	0.0102			0.0006		1.31	4.50							400.00			2	1861 - 17	and the second	1.1			100 C		1221012		
21 Jun 2024	0.04	0.03		0.184								-					0.005	-44	194		Just Cart										
28 Jun 2024	0.04	0.02		-	0.0083		-	0.0004		2.29	3.45						0.003	200			No.										
05 Jul 2024				0.294	0.0082	0.0167		0.0004		2.29 1.18	3.45 3.16						0.003	all a			Ser.										
				0.294	0.0082	0.0167				2.29 1.18 2.44	3.45 3.16 4.13						0.003 0.005 0.004	ALL B													
12 Jul 2024	0.03	0.49	0.8	0.294 0.356 0.189	0.0082 0.0132 0.0103	0.0167 0.0201 0.0183		0.0004		2.29 1.18 2.44 1.91	3.45 3.16 4.13 3.37						0.003 0.005 0.004 0.004	State &			A CONTRACTOR	L.									
16 Jul 2024	0.03	0.49	0.8	0.294 0.356 0.189 0.177	0.0082 0.0132 0.0103 0.0114	0.0167 0.0201 0.0183 0.0154		0.0004		2.29 1.18 2.44 1.91 2.36	3.45 3.16 4.13 3.37 3.39						0.003 0.005 0.004 0.004 0.004	A DECEMBER			No. Contraction of the second				1						
16 Jul 2024 26 Jul 2024	0.03			0.294 0.356 0.189 0.177 0.174	0.0082 0.0132 0.0103	0.0167 0.0201 0.0183 0.0154 0.0110		0.0004 0.0004 0.0002		2.29 1.18 2.44 1.91	3.45 3.16 4.13 3.37 3.39 1.92			0.0081		0.005	0.003 0.005 0.004 0.004 0.004 0.007			Y					12						
16 Jul 2024 26 Jul 2024 02 Aug 2024	0.03	0.04	0.3	0.294 0.356 0.189 0.177 0.174 0.196	0.0082 0.0132 0.0103 0.0114 0.0027	0.0167 0.0201 0.0183 0.0154 0.0110 0.0057		0.0004 0.0004 0.0002 0.0002		2.29 1.18 2.44 1.91 2.36	3.45 3.16 4.13 3.37 3.39 1.92 0.751		0.0085	0.0102		0.004	0.003 0.005 0.004 0.004 0.004 0.007 0.008			X					d the						
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024	0.03			0.294 0.356 0.189 0.177 0.174 0.196 0.724	0.0082 0.0132 0.0103 0.0114	0.0167 0.0201 0.0183 0.0154 0.0110 0.0067 0.0199		0.0004 0.0004 0.0002 0.0003 0.0012		2.29 1.18 2.44 1.91 2.36	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95	0.0011	0.0134	0.0102		0.004	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029								A Star						
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024		0.04	0.3	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014	0.0167 0.0201 0.0183 0.0154 0.0110 0.0067 0.0199 0.0226		0.0004 0.0004 0.0002 0.0003 0.0012 0.0018		2.29 1.18 2.44 1.91 2.36	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46	0.0019	0.0134 0.0136	0.0102 0.0164 0.0172		0.004 0.009 0.010	0.003 0.005 0.004 0.004 0.007 0.008 0.029 0.038														
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024	0.05	0.04	0.3	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46	0.0082 0.0132 0.0103 0.0114 0.0027	0.0167 0.0201 0.0183 0.0154 0.0110 0.0057 0.0199 0.0226 0.101		0.0004 0.0004 0.0002 0.0003 0.0003 0.0012 0.0018 0.0119	0.0016	2.29 1.18 2.44 1.91 2.36	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9	0.0019	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287		0.004 0.009 0.010 0.008	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116								A						
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024 29 Aug 2024	0.05	0.04	0.3 0.3 0.5 0.3	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014	0.0167 0.0201 0.0183 0.0154 0.0110 0.0067 0.0199 0.0226 0.101 0.0240		0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0119 0.0023	0.0056	2.29 1.18 2.44 1.91 2.36	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14	0.0019 0.0172 0.0030	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110		0.004 0.009 0.010 0.008 0.007	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025														
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024 29 Aug 2024 05 Sep 2024	0.05	0.04	0.3	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009	0.0167 0.0201 0.0183 0.0154 0.0110 0.0067 0.0199 0.0226 0.101 0.0240 0.0574		0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0119 0.0023 0.0063		2.29 1.18 2.44 1.91 2.36 1.08	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50	0.0019 0.0172 0.0030 0.0103	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151		0.004 0.009 0.010 0.008 0.007 0.009	0.003 0.005 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068														
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024 29 Aug 2024 05 Sep 2024 09 Sep 2024	0.05 0.06 0.07	0.04	0.3 0.3 0.5 0.3 0.4	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014	0.0167 0.0201 0.0183 0.0154 0.0110 0.0067 0.0199 0.0226 0.101 0.0240 0.0574 0.0252		0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0119 0.0023 0.0063 0.0019	0.0056	2.29 1.18 2.44 1.91 2.36 1.08	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71	0.0019 0.0172 0.0030 0.0103 0.0025	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110		0.004 0.009 0.010 0.008 0.007 0.009 0.009	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026														
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024 29 Aug 2024 05 Sep 2024 09 Sep 2024 21 Sep 2024	0.05 0.06 0.07 0.12	0.04	0.3 0.3 0.5 0.3 0.4 0.6	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009	0.0167 0.0201 0.0183 0.0154 0.0110 0.0067 0.0199 0.0226 0.101 0.0240 0.0574 0.0252 0.0203		0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0119 0.0023 0.0063 0.0019 0.0019	0.0056	2.29 1.18 2.44 1.91 2.36 1.08	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.026 0.030														
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024 29 Aug 2024 05 Sep 2024 09 Sep 2024 21 Sep 2024 28 Sep 2024	0.05 0.06 0.07 0.12 0.93	0.04	0.3 0.3 0.5 0.3 0.4 0.6 2.3	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 13.2	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009 0.0011 0.0015	0.0167 0.0201 0.0163 0.0154 0.0110 0.0067 0.0199 0.0226 0.101 0.0240 0.0574 0.0252 0.0203 0.161	0.0002	0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0018 0.0019 0.0019 0.0019 0.0248	0.0056	2.29 1.18 2.44 1.91 2.36 1.08 0.768 0.867	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.0292	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151	0.00004	0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.026 0.030 0.154														
16 Jul 2024 26 Jul 2024 02 Aug 2024 15 Aug 2024 24 Aug 2024 29 Aug 2024 05 Sep 2024 09 Sep 2024 21 Sep 2024 23 Sep 2024 01 Oct 2024	0.05 0.06 0.07 0.12 0.93 0.51	0.04	0.3 0.3 0.5 0.3 0.4 0.6	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 1.32 1.02	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009 0.0011 0.0011 0.0018 0.0044	0.0167 0.0201 0.0183 0.0154 0.0100 0.0226 0.0199 0.0226 0.101 0.0240 0.0574 0.0252 0.0203 0.161 0.0191	0.0002	0.0004 0.0002 0.0003 0.0012 0.0018 0.0119 0.0023 0.0063 0.0019 0.0019 0.0248 0.0016	0.0056	2.29 1.18 2.44 1.91 2.36 1.08 	3.45 3.16 4.13 3.37 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45 3.76	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.0292 0.0019	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087	0.00004	0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005	0.003 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.026 0.030 0.154 0.015			X											
16 Jul 2024 26 Jul 2024 02 Aug 2024 05 Aug 2024 15 Aug 2024 24 Aug 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 28 Sep 2024 28 Sep 2024 01 Oct 2024	0.05 0.06 0.07 0.12 0.93	0.04	0.3 0.3 0.5 0.3 0.4 0.6 2.3	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 13.2	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009 0.0011 0.0011 0.0018 0.0044	0.0167 0.0201 0.0163 0.0154 0.0110 0.0067 0.0199 0.0226 0.101 0.0240 0.0574 0.0252 0.0203 0.161	0.0002	0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0018 0.0019 0.0019 0.0019 0.0248	0.0056	2.29 1.18 2.44 1.91 2.36 1.08 	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.0292	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087	0.00004	0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.026 0.030 0.154														
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 24 Aug 2024 29 Aug 2024 29 Aug 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 21 Sep 2024 01 Oct 2024 16 Oct 2024	0.05 0.06 0.07 0.12 0.93 0.51	0.04 0.02 0.02	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 13.2 1.02 2.57 0.547	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009 0.00011 0.00018 0.00018	0.0167 0.0201 0.0183 0.0154 0.0199 0.0226 0.101 0.0240 0.0240 0.0252 0.0203 0.161 0.0191 0.0191 0.02417 0.0205	0.0002	0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0018 0.0019 0.0023 0.0019 0.0019 0.0248 0.0016 0.0042 0.0011	0.0056	2 29 1.18 2.44 1.91 2.36 1.08 0.768 0.867 0.918 0.995	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45 3.76 8.08 3.48	0.0019 0.0172 0.0030 0.0103 0.0025 0.0025 0.0024 0.00292 0.0019 0.0039 0.0012	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005	0.003 0.005 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.030 0.154 0.015 0.030 0.015			X	C										
16 Jul 2024 26 Jul 2024 02 Aug 2024 05 Aug 2024 15 Aug 2024 24 Aug 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 28 Sep 2024 28 Sep 2024 10 Oct 2024	0.05 0.06 0.07 0.12 0.93 0.51	0.04	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9 4.0	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 1.3.2 1.02 2.57	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009 0.0011 0.0011 0.0018 0.0044	0.0167 0.0201 0.0183 0.0154 0.0199 0.0226 0.101 0.0240 0.0240 0.0252 0.0203 0.161 0.0191 0.0191 0.02417 0.0205	0.0002	0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0019 0.0023 0.0019 0.0019 0.0248 0.0016 0.0016 0.0042	0.0056	2.29 1.18 2.44 1.91 2.36 1.08 	3.45 3.16 4.13 3.37 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.4.5 3.76 8.08	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.0292 0.0019 0.0039	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290	0.00053	0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.026 0.030 0.154 0.015 0.030				K										
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 24 Aug 2024 29 Aug 2024 29 Aug 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 21 Sep 2024 01 Oct 2024 16 Oct 2024	0.05 0.06 0.07 0.12 0.93 0.51 0.05	0.04 0.02 0.02	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 13.2 1.02 2.57 0.547	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0009 0.00011 0.00018 0.00018	0.0167 0.0201 0.0183 0.0154 0.0199 0.0226 0.101 0.0240 0.0252 0.0203 0.161 0.0191 0.0243 0.0255 0.0205 0.0163	0.0002	0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0018 0.0019 0.0023 0.0019 0.0019 0.0248 0.0016 0.0042 0.0011	0.0056	2 29 1.18 2.44 1.91 2.36 1.08 0.08 0.768 0.867 0.918 0.995	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45 3.76 8.08 3.48	0.0019 0.0172 0.0030 0.0103 0.0025 0.0025 0.0024 0.00292 0.0019 0.0039 0.0012	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005	0.003 0.005 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.026 0.030 0.154 0.015 0.030 0.015				K										
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 24 Aug 2024 29 Aug 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 21 Sep 2024 01 Oct 2024 16 Oct 2024 26 Oct 2024	0.05 0.06 0.07 0.12 0.93 0.51 0.05	0.04 0.02 0.02	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9 4.0	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 13.2 1.02 2.57 0.547 0.665	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0011 0.0016 0.0016 0.0014 0.0013	0.0167 0.0201 0.0183 0.0154 0.0199 0.0226 0.101 0.0240 0.0252 0.0203 0.161 0.0191 0.02417 0.02417 0.0205 0.0163	0.0002	0.0004 0.0004 0.0002 0.0003 0.0012 0.0018 0.0018 0.0019 0.0023 0.0019 0.0019 0.0248 0.0016 0.0042 0.0011 0.0042	0.0056	2 29 1.18 2.44 1.91 2.36 1.08 0.06 0.768 0.867 0.918 0.995 1.42	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45 3.76 8.08 3.45 3.37	0.0019 0.0172 0.0030 0.0103 0.0025 0.0025 0.0024 0.00292 0.0019 0.0039 0.0012	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005 0.005 0.009	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.116 0.025 0.068 0.025 0.068 0.030 0.154 0.030 0.015 0.030				K										
16 Jul 2024 26 Jul 2024 02 Aug 2024 08 Aug 2024 15 Aug 2024 24 Aug 2024 05 Sep 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 21 Sep 2024 01 Oct 2024 16 Oct 2024 26 Oct 2024 29 Oct 2024	0.05 0.06 0.07 0.12 0.93 0.51 0.05	0.04 0.02 0.02	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9 4.0	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 1.3.2 1.02 2.57 0.547 0.665 0.489	0.0082 0.0132 0.0103 0.0114 0.0027 0.0014 0.0009 0.0011 0.0016 0.0016 0.0014 0.0013	0.0167 0.0201 0.0163 0.0154 0.0199 0.0226 0.0203 0.0574 0.0252 0.0203 0.161 0.0191 0.0191 0.0205 0.0163 0.0145 0.0582	0.002	0.0004 0.0002 0.0003 0.0012 0.0018 0.0119 0.0023 0.0019 0.0023 0.0019 0.0019 0.0248 0.0016 0.0012 0.0011 0.0012 0.0007	0.0056	2 29 1.18 2.44 1.91 2.36 1.08 0.06 0.768 0.867 0.918 0.995 1.42	3.45 3.16 4.13 3.37 3.39 1.92 0.751 2.95 3.46 20.9 4.14 8.50 4.71 3.96 3.45 3.76 8.08 3.45 3.76 8.08 3.45 3.30	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.0292 0.0019 0.0019 0.0012	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005 0.004 0.005 0.009 0.005	0.003 0.004 0.004 0.004 0.007 0.005 0.029 0.038 0.116 0.025 0.068 0.026 0.030 0.154 0.030 0.015 0.030 0.015														
16 Jul 2024 26 Jul 2024 02 Aug 2024 05 Aug 2024 15 Aug 2024 29 Aug 2024 05 Sep 2024 05 Sep 2024 21 Sep 2024 21 Sep 2024 21 Sep 2024 10 Oct 2024 16 Oct 2024 26 Oct 2024 29 Oct 2024 06 Nov 2024	0.05 0.06 0.07 0.12 0.93 0.51 0.05	0.04 0.02 0.02	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9 4.0	0.294 0.356 0.189 0.177 0.174 0.906 0.724 0.938 6.46 1.42 3.22 1.19 1.15 1.32 1.02 2.57 0.547 0.665 0.489 1.51	0.0082 0.0132 0.0103 0.0103 0.0114 0.0027 0.0014 0.0009 0.0019 0.0018 0.0014 0.0013 0.0014	0.0167 0.0201 0.0163 0.0154 0.0199 0.0226 0.0203 0.0574 0.0252 0.0203 0.161 0.0191 0.0191 0.0205 0.0163 0.0145 0.0582	0.0002	0.0004 0.0002 0.0003 0.0012 0.0013 0.0013 0.0019 0.0019 0.0248 0.0016 0.0048 0.0016 0.0042 0.0011 0.0012 0.0007 0.0029	0.0056	2 29 1.18 2 44 1.91 2.36 1.08 0.768 0.867 0.918 0.995 1.42 0.759	3 45 3 16 4 13 3 37 3 39 1 92 2 95 2 95 2 95 2 95 4 14 8 50 4 71 3 96 3 45 3 36 4 53 3 46 3 45 3 37 6 8.08 3 44 3 93 3 30 7 29	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.00292 0.0019 0.0019 0.0012 0.0012 0.0012	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005 0.009 0.005 0.004	0.003 0.005 0.004 0.004 0.004 0.007 0.008 0.029 0.038 0.029 0.038 0.029 0.038 0.029 0.038 0.025 0.030 0.154 0.030 0.030 0.030 0.030 0.030 0.031 0.031								1						
16 Jul 2024 26 Jul 2024 02 Aug 2024 05 Aug 2024 15 Aug 2024 29 Aug 2024 05 Sep 2024 05 Sep 2024 29 Sep 2024 20 Sep 2024 20 Sep 2024 10 Oct 2024 16 Oct 2024 26 Oct 2024 26 Oct 2024 29 Oct 2024 20 Kny 2024	0.05 0.06 0.07 0.12 0.93 0.51 0.05 0.06 0.09	0.04 0.02 0.02	0.3 0.3 0.5 0.3 0.4 0.6 2.3 0.9 4.0	0.294 0.356 0.189 0.177 0.174 0.196 0.724 0.938 6.46 1.42 3.22 1.19 1.15 1.15 1.32 2.57 0.665 0.469 0.465 0.4559 0.886	0.0062 0.0132 0.0103 0.0114 0.0027 0.0014 0.0019 0.0019 0.0019 0.0011 0.0014 0.0013 0.0014 0.0013	0.0167 0.0201 0.0183 0.0154 0.0154 0.0159 0.0199 0.0226 0.0199 0.0226 0.0191 0.0226 0.0574 0.0226 0.0220 0.0220 0.0220 0.0220 0.0220 0.0220 0.0220 0.0220 0.0220 0.0220 0.0220 0.0154 0.0159 0.0159 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0154 0.0159 0.0154 0.0154 0.0159 0.0154 0.0154 0.0154 0.0159 0.0154 0.0159 0.0154 0.0159 0.0154 0.0159 0.0154 0.0159 0.0154 0.0159 0.0154 0.0159 0.0154 0.0156 0.0156 0.0156 0.0156 0.0156 0.0156 0.0156 0.0156 0.0156 0.0156 0.01570000000000000000000000000000000000	0.0002	0.0004 0.0002 0.0003 0.0003 0.0012 0.0013 0.0019 0.0019 0.0019 0.0019 0.0019 0.0010 0.0010 0.0010 0.0010	0.0056	2 29 118 2 44 1.91 2 36 1.08 0.768 0.867 0.867 0.918 0.995 1.42 0.959	3.45 3.16 4.13 3.37 3.39 1.92 2.95 2.95 2.95 2.95 4.14 8.50 4.71 3.96 4.71 3.96 4.71 3.96 3.45 3.376 8.08 3.345 3.370 7.29 4.88	0.0019 0.0172 0.0030 0.0103 0.0025 0.0024 0.00292 0.0019 0.0012 0.0012 0.0012 0.0012 0.0042 0.0014	0.0134 0.0136 0.0122	0.0102 0.0164 0.0172 0.0287 0.0110 0.0151 0.0087 0.0290		0.004 0.009 0.010 0.008 0.007 0.009 0.009 0.009 0.004 0.005 0.004 0.005 0.009 0.005 0.004	0.003 0.005 0.004 0.004 0.004 0.007 0.000 0.029 0.025 0.068 0.025 0.058 0.026 0.030 0.154 0.015 0.030 0.015 0.020 0.013 0.020														





-		1		1	B.	Cemetery	190.015	Williams						13		р	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr	Cu	Fe (F)	Fe	Pb	Ni	Ag	Zn (F)	Zn
		1000		1								Y.S.		1	Date	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
					Kan a	10万万								0	7 Jun 2024	1000000	0.02	0.3	2.76	0.0020	0.0733	0.0056	0.0150		7.59	0.0064	0.0156	0.00004		0.024
and the	-	Contract The	100		30								魏	100 K 100 K	6 Jun 2024	- Construction of the local division of the		0.4	4.97	0.0029			0.0165	-	14.9		0.0214			0.043
		and the second	and -	16	4.	1 10					<b>1</b> .3		1	2 A 10 A	1 Jun 2024	-	0.05	0.4	3.12	0.0019		0.0056	0.0094		9.24		0.0150			0.031
		A designed and	1		and the second	and the second		-	there -	-10		1.0			8 Jun 2024		0.02	0.3	4.95	0.0016		0.0090	0.0124		16.2		0.0194			0.036
					142	1 -	10	1022	in the second	THE R				1000	5 Jul 2024	1.24		1.2	5.06	0.0017		0.0092	0.0180		21.1	0.0116			1	0.037
				in the	R aller	10	Vie	R.G.M.R.						1.2.2.4	2 Jul 2024	0.16		-	4.01	-	0.0982				11.7	- in the second	0.0142	0.00004		0.037
			8.1	18 a	and the second							行行名			6 Jul 2024	0.31	0.05	-	2.74	0.0016			0.0073		10.7	0.0056		_		0.022
1200	and the second	March 1	F12	-			-	12	-					and the second second	6 Jul 2024	2.05		0.8	4.82	0.0031	0.345		0.0185		32.8			80000.0	0.003	0.057
	A. T	A STATE OF	1.45	Sec. 20		m la	6000	100					and a second	1000	2 Aug 2024	- Contractor			2.31	0.0014		0.0047	0.0050		13.1	0.0050	0.0107			0.02
			14			20.20	112	all?		\$20.			<b>100</b>	-	8 Aug 2024	- Constant of the local division of the loca		1.8	1.68	0.0020		0.0029	1000		10.2	0.0028		-	-	0.01
	the set				1	11/1	1 5	1.12			1.13				5 Aug 2024		0.13	0.5	2.07	0.0009	and the second s	0.0042	0.0058	-	14.0	0.0041			-	0.01
12.85			0.00			1.00	6 8		1.12	1	No.	ST OF ST	回機	N	4 Aug 2024	-		0.7	1.94		0.118		0.0044		12.8					0.01
100	the second				1	1	合作言	1	48 6		0			100000	9 Aug 2024	-		0.4	2.74	0.0011		0.0053	0.0074		12.4	0.0067	100000000			0.02
		ALC: NO			1.26		100	Dal		AF	• 1	1	1		5 Sep 2024				4.45	0.0012		0.0103			23.8		0.0199		_	0.04
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Date	mg/l	Nitrite + Nitrate as N mg/L	N mg/L	mg/L	mg/L	mg/L	Cr (F) mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Zn mg/L	×										-		and a	
Date 07 Jun 2024	mg/l 0.10	mg/L		mg/L 0.457	mg/L 0.0034	mg/L 0.151		mg/L 0.0039	mg/L 0.0058	mg/L 5.20	mg/L 0.0014	mg/L 0.0167	mg/L 0.0233		mg/L 0.007	Zn mg/L 0.031	×													
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Date           07         Jun 2024           16         Jun 2024           21         Jun 2024           23         Jun 2024           24         Jun 2024           15         Jul 2024           16         Jul 2024           12         Jul 2024           14         Jul 2024           15         Jul 2024           15         Aug 2024           24         Aug 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06	mg/L 0.02 0.04	0.3	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0019 0.0031 0.0016 0.0016 0.0018	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.0937 0.0896 0.13 0.327	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0039 0.0072 0.0073	mg/L 0.0058 0.0055 0.0011 0.0040 0.0040 0.0033 0.0032 0.0012 0.0022	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0189 0.0194	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0246 0.0282 0.0312	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.018	×													
Date           07 Jun 2024           16 Jun 2024           21 Jun 2024           23 Jun 2024           05 Jul 2024           12 Jul 2024           16 Jul 2024           26 Jul 2024           02 Aug 2024           03 Aug 2024           15 Aug 2024           24 Aug 2024           24 Aug 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.14	mg/L 0.02 0.04	0.3	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.334 0.064	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0019 0.0016 0.0018 0.0018 0.0018 0.0018 0.0018	mg/L 0.151 0.247 0.247 0.217 0.0270 0.373 0.0908 0.0937 0.0896 0.13 0.327 0.9911 0.377	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0039 0.0072 0.0073	mg/L 0.0058 0.0055 0.0011 0.0040 0.0036 0.0033 0.0032 0.0012 0.0022 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 13.5 4.16	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0194 0.0182	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.018 0.022 0.038 0.022	×													
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Date           07 Jun 2024           16 Jun 2024           21 Jun 2024           23 Jun 2024           26 Jun 2024           10 Jul 2024           12 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           26 Jul 2024           17 Jul 2024           18 Jul 2024           24 Aug 2024           24 Aug 2024           29 Aug 2024           05 Sep 2024           09 Sep 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064 0.263	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0019 0.0031 0.0016 0.0018 0.0018 0.0018 0.0018 0.0022 0.0013	mg/L 0.151 0.247 0.247 0.217 0.0270 0.373 0.0908 0.0937 0.0896 0.13 0.327 0.911 0.327 0.911 0.377 0.0205	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0053 0.0072 0.0039 0.0023 0.0072 0.0013 0.0013 0.0063 0.0002 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0036 0.0033 0.0032 0.0012 0.0022 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 13.5 4.18 16.7 0.891	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0180 0.0180 0.0189 0.0194 0.0182 0.0184 0.0180	mg/L 0.0233 0.0296 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0268 0.0228	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023 0.025	×													
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           25 Jun 2024           12 Jul 2024           16 Jul 2024           26 Jul 2024           02 Aug 2024           15 Aug 2024           29 Aug 2024           29 Seg 2024           05 Seg 2024           20 Seg 2024           20 Seg 2024           20 Seg 2024           20 Seg 2024	mgil 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064 0.263 0.066 0.036	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0019 0.0031 0.0016 0.0018 0.0018 0.0018 0.0018 0.0022 0.0013	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.13 0.0896 0.13 0.327 0.9911 0.377 0.0205 0.0873	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0053 0.0072 0.0039 0.0023 0.0072 0.0013 0.0013 0.0063 0.0002 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0180 0.0180 0.0189 0.0194 0.0182 0.0184 0.0180 0.0174	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0268 0.0222 0.0235	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.038 0.022 0.038 0.022 0.038 0.023 0.005 0.005	×													
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           25 Jun 2024           15 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           26 Jul 2024           15 Aug 2024           26 Aug 2024           15 Aug 2024           26 Sep 2024           20 Sep 2024           20 Sep 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064 0.263 0.066 0.036	mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0011 0.0016 0.0018 0.0018 0.0013 0.0013 0.0013 0.0024	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0279 0.135	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0002 0.0072 0.0039 0.0039 0.0072 0.0013 0.0063 0.0063 0.0002 0.0012 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.16 16.7 0.891 4.16 3.10	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0194 0.0182 0.0184 0.0180 0.0174 0.0175	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0282 0.0312 0.0258 0.0258 0.0225 0.0225 0.0225 0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.018 0.022 0.038 0.022 0.038 0.022 0.038 0.023 0.005 0.005	×				C.									
Date           07 Jun 2024           16 Jun 2024           16 Jun 2024           21 Jun 2024           28 Jun 2024           05 Jul 2024           16 Jul 2024           02 Jul 2024           03 Jul 2024           04 Jul 2024           03 Jul 2024           04 Jul 2024           05 Jul 2024           04 Jul 2024           05 Jul 2024           05 Sep 2024 <td>mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08</td> <td>mgiL 0.02 0.04 0.02</td> <td>mg/L 0.3 0.4 0.4</td> <td>mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581</td> <td>mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0011 0.0016 0.0018 0.0018 0.0013 0.0013 0.0013 0.0024</td> <td>mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665</td> <td>0.0005</td> <td>mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0039 0.0032 0.0039 0.0072 0.0013 0.0063 0.0063 0.0002 0.0012 0.0099 0.0021</td> <td>mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039</td> <td>mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67</td> <td>mg/L 0.0014 0.0015</td> <td>mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0184 0.0184 0.0184 0.0184 0.0174 0.0176 0.0176</td> <td>mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0282 0.0312 0.0258 0.0258 0.0225 0.0225 0.0225 0.0224</td> <td>mg/L 0.00130</td> <td>mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003</td> <td>Zn mg/L 0.031 0.053 0.012 0.041 0.003 0.042 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023 0.038 0.014 0.025 0.005 0.005 0.005</td> <td>×</td> <td></td> <td>く、肥大日本</td> <td></td>	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581	mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0011 0.0016 0.0018 0.0018 0.0013 0.0013 0.0013 0.0024	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665	0.0005	mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0039 0.0032 0.0039 0.0072 0.0013 0.0063 0.0063 0.0002 0.0012 0.0099 0.0021	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0184 0.0184 0.0184 0.0184 0.0174 0.0176 0.0176	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0282 0.0312 0.0258 0.0258 0.0225 0.0225 0.0225 0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.003 0.042 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023 0.038 0.014 0.025 0.005 0.005 0.005	×		く、肥大日本											
Date           07         Jun 2024           16         Jun 2024           15         Jun 2024           23         Jun 2024           24         Jun 2024           12         Jul 2024           12         Jul 2024           02         Jul 2024           02         Jul 2024           02         Jul 2024           03         Jul 2024           04         Jul 2024           05         Jul 2024           04         Jul 2024           05         Jul 2024           05         Jul 2024           05         Jul 2024           05         Sep 2024 <td>mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08 0.05</td> <td>mgiL 0.02 0.04 0.02</td> <td>mg/L 0.3 0.4 0.4</td> <td>mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581</td> <td>mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0019 0.0031 0.0016 0.0018 0.0013 0.0013 0.0024 0.0030 0.0094</td> <td>mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665</td> <td>0.0003</td> <td>mg/L 0.0039 0.0063 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0039 0.0013 0.0063 0.0012 0.0002 0.0012 0.0021 0.0012</td> <td>mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039</td> <td>mg/L 5.20 9.69 2.46 8.1 0.997 13.77 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67 3.52</td> <td>mg/L 0.0014 0.0015</td> <td>mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0167 0.0175 0.0180 0.0169 0.0180 0.0184 0.0182 0.0184 0.0176 0.0176 0.0177</td> <td>mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0225 0.0225 0.0225 0.0222 0.0235</td> <td>mg/L 0.00130</td> <td>mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003</td> <td>Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.023 0.022 0.025 0.005 0.005 0.012 0.005</td> <td>×</td> <td></td> <td></td> <td></td> <td>T.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08 0.05	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581	mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0019 0.0031 0.0016 0.0018 0.0013 0.0013 0.0024 0.0030 0.0094	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665	0.0003	mg/L 0.0039 0.0063 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0039 0.0013 0.0063 0.0012 0.0002 0.0012 0.0021 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039	mg/L 5.20 9.69 2.46 8.1 0.997 13.77 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67 3.52	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0167 0.0175 0.0180 0.0169 0.0180 0.0184 0.0182 0.0184 0.0176 0.0176 0.0177	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0225 0.0225 0.0225 0.0222 0.0235	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.023 0.022 0.025 0.005 0.005 0.012 0.005	×				T.									
Date           07         Jun 2024           16         Jun 2024           12         Jun 2024           23         Jun 2024           12         Jun 2024           12         Jun 2024           12         Jun 2024           16         Jun 2024           16         Jun 2024           07         Jun 2024           08         Jun 2024           15         Jun 2024           24         Jun 2024           28         Jun 2024           08         Sep 2024           09         Sep 2024           01         Sep 2024           01         Oct 2024           16         Oct 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.14 0.06 0.06 0.06 0.06 0.14 0.09 0.05 0.05 0.08 0.011 0.10	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L           0.457           0.596           0.108           0.422           0.640           0.234           0.200           0.121           0.334           0.060           0.036           0.066           0.361           0.581           0.581	mg/L           0.0034           0.0019           0.0016           0.0016           0.0016           0.0016           0.0016           0.0017           0.0018           0.0019           0.0019           0.0010           0.0011           0.0012           0.0013           0.0014           0.0015           0.0016           0.0017           0.0018           0.0019           0.0030           0.0030	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.13 0.327 0.0896 0.13 0.327 0.9911 0.377 0.0205 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873	mg/L	mg/L           0.0039           0.0053           0.0053           0.0053           0.0053           0.0053           0.0054           0.0055           0.0052           0.0053           0.0054           0.0052	mg/L 0.0055 0.0011 0.0040 0.0040 0.0032 0.0032 0.0012 0.0032 0.0032 0.0032 0.0032	mg/L           520           9.69           2.46           8.1           0.997           13.7           3.81           3.83           5.5           13.5           4.18           16.7           0.991           4.16           3.10           5.67           3.52	mg/L 0.0014 0.0015	mg/L           0.0167           0.0192           0.0174           0.0183           0.0165           0.0155           0.0167           0.0175           0.0180           0.0181           0.0182           0.0184           0.0184           0.0184           0.0184           0.0184           0.0175           0.0175           0.0176           0.0176           0.0176           0.0176           0.0175	mg/L           0.0233           0.0290           0.0236           0.0275           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0226           0.0226           0.0226           0.0226           0.0224           0.0224           0.0224           0.0224           0.0225           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.041 0.041 0.041 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.055 0.055 0.005 0.012 0.012 0.012	×				T									
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           05 Jul 2024           12 Jul 2024           16 Jul 2024           16 Jul 2024           07 Jul 2024           08 Sep 2024           09 Sep 2024           09 Sep 2024           01 Get 2024           10 Get 2024	mg1 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.05 0.08 0.05 0.08 0.05 0.08 0.11 0.10 0.06	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.240 0.240 0.2211 0.211 0.334 0.064 0.263 0.066 0.365 0.581 0.059 0.031	mgl.           0.0034           0.0019           0.0016           0.0016           0.0016           0.0016           0.0016           0.0017           0.0018           0.0019           0.0019           0.0010           0.0011           0.0012           0.0013           0.0014           0.0015           0.0016           0.0017           0.0018           0.0019           0.0030           0.0030	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.0270 0.373 0.0908 0.133 0.327 0.0911 0.327 0.0205 0.9911 0.377 0.0205 0.0873 0.0791 0.135 0.0865 0.115 0.109	mg/L 6.0003	mg/L           0.033           0.0633           0.012           0.053           0.0053           0.0054           0.0052           0.0052           0.0032           0.0032           0.0032           0.0032           0.0034           0.0035           0.0032           0.0034           0.0035           0.0032           0.0034           0.0035           0.0032           0.0032           0.0034           0.0035           0.0032           0.0034           0.0035           0.0032           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034	mg/L 0.0055 0.0011 0.0040 0.0040 0.0032 0.0032 0.0012 0.0032 0.0032 0.0032 0.0032	mg/L           520           9.69           2.48           8.1           0.997           13.7           3.72           3.61           3.83           5.5           13.5           4.18           16.7           0.891           4.16           3.10           3.56           5.57           3.52           5.32           4.41	mg/L 0.0014 0.0015	mg/L           0.0167           0.0192           0.0174           0.0180           0.0155           0.0156           0.0158           0.0150           0.0160           0.0175           0.0180           0.0184           0.0180           0.0184           0.0180           0.0184           0.0180           0.0184           0.0180           0.0181           0.0182           0.0184           0.0180           0.0172           0.0157           0.0157           0.0157           0.0157	mg/L           0.0233           0.0290           0.0236           0.0275           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0226           0.0226           0.0226           0.0226           0.0224           0.0224           0.0224           0.0224           0.0225           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.022 0.018 0.022 0.038 0.014 0.022 0.038 0.014 0.025 0.005 0.005 0.005 0.005 0.005 0.005	×				T									
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           25 Jun 2024           15 Jul 2024           16 Jun 2024           26 Jul 2024           16 Jun 2024           26 Jul 2024           16 Jun 2024           26 Jun 2024           15 Jun 2024           26 Jun 2024           15 Aug 2024           28 Aug 2024           05 Sep 2024           20 Sep 2024           21 Sep 2024           22 Sep 2024           23 Sep 2024           24 Sep 2024           25 Oct 2024           26 Oct 2024           27 Oct 2024           28 Oct 2024	mgil           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.08           0.09           0.05           0.08           0.09           0.05           0.08           0.11           0.06           0.11           0.06	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L           0.457           0.596           0.108           0.422           0.640           0.234           0.241           0.211           0.211           0.334           0.664           0.253           0.066           0.334           0.660           0.336           0.659           0.581           0.659           0.631           0.176	mg/L           0.0034           0.0021           0.0019           0.0019           0.0010           0.0020           0.0010           0.0010           0.0011           0.0012           0.0013           0.0014           0.0015           0.0016           0.0017           0.0018           0.0019           0.0014           0.0015           0.0024           0.0014           0.0024           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030	mg/L           0.151           0.247           0.0740           0.217           0.0200           0.333           0.9988           0.337           0.9989           0.337           0.9989           0.337           0.9989           0.337           0.9377           0.0255           0.0256           0.0256           0.0257           0.0258           0.0259           0.0259           0.0250           0.0251	mg1L	mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0024           0.0025           0.0024           0.0039           0.0025           0.0039           0.0031           0.0042           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0054           0.0054           0.0054           0.0054           0.0054	mg/L           0.0055           0.0055           0.0011           0.0066           0.0080           0.0081           0.0082           0.0022           0.0039           0.0039           0.0039           0.0039           0.0031           0.0039           0.0031           0.0031           0.0031           0.0031           0.0031           0.0031	mg/L           5:20           9:69           2:48           8:1           9:597           13:7           3:72           3:61           5:55           13:5           4:18           3:107           4:18           3:107           5:57           5:57           5:57           4:18           3:107           5:57           5:52           4:41           11:6	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0189 0.0155 0.0180 0.0180 0.0182 0.0184 0.0180 0.0182 0.0172 0.0172 0.0172 0.0172 0.0172	mg/L           0.0233           0.0290           0.0236           0.0275           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0239           0.0237	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn           mg/L           0.031           0.053           0.041           0.007           0.033           0.042           0.030           0.042           0.033           0.042           0.033           0.042           0.030           0.043           0.022           0.038           0.041           0.035           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005	×				The second secon									
Date           67         Jun 2024           16         Jun 2024           16         Jun 2024           21         Jun 2024           23         Jun 2024           12         Jun 2024           12         Jun 2024           12         Jun 2024           12         Jun 2024           02         Jun 2024           03         Jun 2024           04         Jun 2024           05         Jun 2024           05         Jun 2024           05         Jun 2024           05         Sep 2024           05         Sep 2024           05         Sep 2024           05         Sep 2024           06         Sep 2024           07         Sep 2024           08         Sep 2024           09         Sep 2024           01         Oct 2024           02         Sep 2024           02         Sep 2024           03         Sep 2024           04         Sep 2024           05         Sep 2024           05         Sep 2024           05         Sep 2024 <td>mg/l           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.05           0.08           0.05           0.06           0.05           0.06           0.05           0.06           0.05           0.05           0.06           0.05           0.05           0.05</td> <td>mgiL 0.02 0.04 0.02</td> <td>mgiL 0.3 0.4 0.4 0.3</td> <td>mg/L 0.457 0.596 0.105 0.442 0.234 0.234 0.234 0.234 0.231 0.211 0.211 0.211 0.334 0.064 0.035 0.562 0.561 0.055 0.581 0.059 0.581 0.059</td> <td>mg/L           0.0034           0.0021           0.0021           0.0019           0.0024           0.0024           0.0024           0.0016           0.0018           0.0024           0.0024           0.0024           0.0030           0.0030           0.0034           0.0035           0.0036           0.0036           0.0036           0.0036           0.0036           0.0037           0.0038           0.0039           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030</td> <td>mg/L           0.151           0.247           0.0740           0.0700           0.277           0.0700           0.0701           0.0702           0.0703           0.0906           0.0701           0.0805           0.0905           0.010           0.027           0.0301           0.0302           0.0405           0.0405           0.0405           0.0405           0.155           0.151           0.241</td> <td>mg/L</td> <td>mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0024           0.0025           0.0026           0.0027           0.0028           0.0029           0.0021           0.0021           0.0021           0.0021           0.0021           0.0021           0.0021           0.0021           0.0012           0.0014           0.0012           0.0014           0.0015</td> <td>mg/L           0.0055           0.0055           0.0054           0.0055           0.0011           0.0086           0.0033           0.0032           0.0042           0.0055           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039</td> <td>mg/L           520           9.69           2.46           8.1           0.997           3.61           3.83           5.5           13.5           4.16           3.10           5.67           3.52           4.41           11.6           7.34</td> <td>mg/L 0.0014 0.0015</td> <td>mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0189 0.0155 0.0180 0.0180 0.0182 0.0184 0.0180 0.0182 0.0172 0.0172 0.0172 0.0172 0.0172</td> <td>mg/L           0.0233           0.0290           0.0256           0.0275           0.0276           0.0276           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0282           0.0282           0.0295           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0249</td> <td>mg/L 0.00130</td> <td>mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004</td> <td>Zn           mg/L           0.051           0.053           0.041           0.067           0.033           0.042           0.052           0.058           0.012           0.055           0.055           0.052           0.055           0.050           0.055           0.056           0.057           0.058           0.059           0.050           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055</td> <td>×</td> <td></td> <td></td> <td></td> <td>C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	mg/l           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.05           0.08           0.05           0.06           0.05           0.06           0.05           0.06           0.05           0.05           0.06           0.05           0.05           0.05	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L 0.457 0.596 0.105 0.442 0.234 0.234 0.234 0.234 0.231 0.211 0.211 0.211 0.334 0.064 0.035 0.562 0.561 0.055 0.581 0.059 0.581 0.059	mg/L           0.0034           0.0021           0.0021           0.0019           0.0024           0.0024           0.0024           0.0016           0.0018           0.0024           0.0024           0.0024           0.0030           0.0030           0.0034           0.0035           0.0036           0.0036           0.0036           0.0036           0.0036           0.0037           0.0038           0.0039           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030	mg/L           0.151           0.247           0.0740           0.0700           0.277           0.0700           0.0701           0.0702           0.0703           0.0906           0.0701           0.0805           0.0905           0.010           0.027           0.0301           0.0302           0.0405           0.0405           0.0405           0.0405           0.155           0.151           0.241	mg/L	mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0024           0.0025           0.0026           0.0027           0.0028           0.0029           0.0021           0.0021           0.0021           0.0021           0.0021           0.0021           0.0021           0.0021           0.0012           0.0014           0.0012           0.0014           0.0015	mg/L           0.0055           0.0055           0.0054           0.0055           0.0011           0.0086           0.0033           0.0032           0.0042           0.0055           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039	mg/L           520           9.69           2.46           8.1           0.997           3.61           3.83           5.5           13.5           4.16           3.10           5.67           3.52           4.41           11.6           7.34	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0189 0.0155 0.0180 0.0180 0.0182 0.0184 0.0180 0.0182 0.0172 0.0172 0.0172 0.0172 0.0172	mg/L           0.0233           0.0290           0.0256           0.0275           0.0276           0.0276           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0282           0.0282           0.0295           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0249	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn           mg/L           0.051           0.053           0.041           0.067           0.033           0.042           0.052           0.058           0.012           0.055           0.055           0.052           0.055           0.050           0.055           0.056           0.057           0.058           0.059           0.050           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055	×				C									
EPL80 Date 07 Jun 2024 16 Jun 2024 21 Jun 2024 22 Jun 2024 23 Jun 2024 12 Jul 2024 14 Jul 2024 16 Jul 2024 26 Jul 2024 26 Jul 2024 26 Jul 2024 26 Jul 2024 28 Jul 2024 29 Aug 2024 29 Aug 2024 29 Aug 2024 29 Sep 2024 20 Sep 20 20 Sep 20 20 Sep 20 20 Sep 20 20 Sep 20 20 Sep 20 20 S	mg/l           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.05           0.08           0.05           0.06           0.05           0.06           0.05           0.06           0.05           0.05           0.06           0.05           0.05           0.05	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L           0.457           0.596           0.108           0.442           0.640           0.234           0.640           0.234           0.000           0.121           0.334           0.660           0.334           0.662           0.553           0.655	mg/L           0.0034           0.0021           0.0016           0.0016           0.0012           0.0013           0.0014           0.0015           0.0015           0.0016           0.0017           0.0018           0.0019           0.0019           0.0019           0.0019           0.0019           0.0030           0.0030           0.0034           0.0030           0.0030           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032	mg/L           0.151           0.247           0.0704           0.277           0.373           0.9908           0.9373           0.90908           0.9373           0.90908           0.9373           0.90908           0.9373           0.90908           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.1935           0.1935           0.194           0.194           0.194	mg/L 6.0003	mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0012           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0031           0.0032           0.0033           0.0034           0.0035           0.0039           0.0041           0.0041           0.0044           0.0044           0.0044	mg/L           0.0055           0.0055           0.0054           0.0055           0.0011           0.0086           0.0032           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0053           0.0054           0.0057           0.0058           0.0059	mg/L           520           9.69           2.46           8.1           0.997           3.61           3.72           3.61           3.83           5.5           13.5           4.16           3.10           5.57           3.32           5.32           4.41           11.6           7.34           9.78	mg/L 0.0014 0.0015	mg/L           0.0167           0.0192           0.0174           0.0183           0.0196           0.0155           0.0169           0.0155           0.0169           0.0175           0.0180           0.0180           0.0182           0.0184           0.0182           0.0184           0.0182           0.0182           0.0182           0.0182           0.0182	mg/L           0.0233           0.0290           0.0256           0.0275           0.0276           0.0276           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0282           0.0282           0.0295           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0249	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn           mg/L           0.051           0.052           0.012           0.041           0.053           0.042           0.043           0.022           0.018           0.022           0.018           0.022           0.018           0.022           0.033           0.044           0.035           0.045           0.046           0.047           0.048           0.049           0.041           0.042           0.042           0.042           0.044           0.043           0.044           0.044           0.043	×													

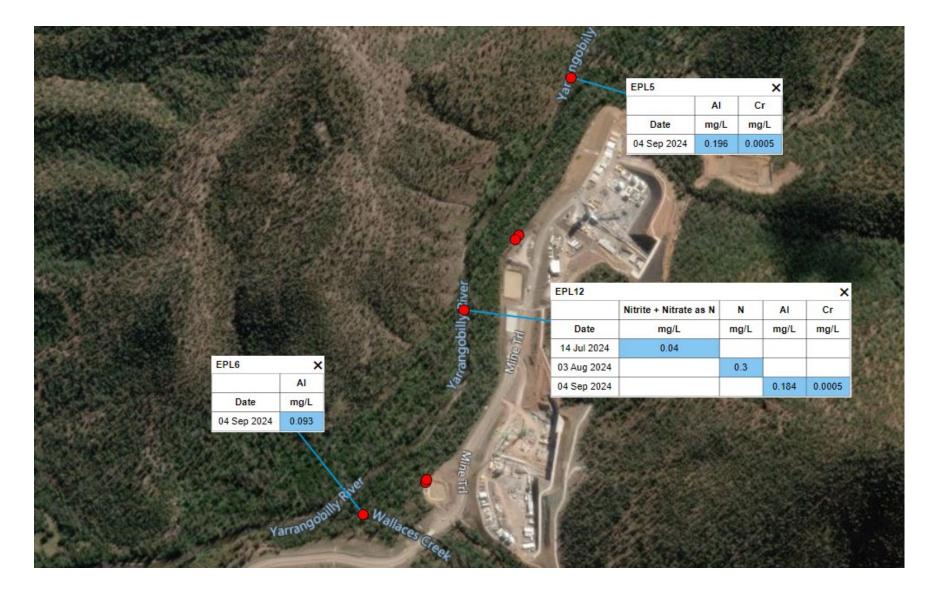




-		1		1	B.	Cemetery	190.015	Williams						13		р	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr	Cu	Fe (F)	Fe	Pb	Ni	Ag	Zn (F)	Zn
		1000		1								Y.S.		1	Date	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
					Kan a	10万万								0	7 Jun 2024	1000000	0.02	0.3	2.76	0.0020	0.0733	0.0056	0.0150		7.59	0.0064	0.0156	0.00004		0.024
and the	-	Contract The	100		30								魏	100 K 100 K	6 Jun 2024	- Construction of the local division of the		0.4	4.97	0.0029			0.0165	-	14.9		0.0214			0.043
		and the second	and -	16	4.	1 10					<b>1</b> .3		1	2 A 10 A	1 Jun 2024	-	0.05	0.4	3.12	0.0019		0.0056	0.0094		9.24		0.0150			0.031
		A designed and	1		and the second	and the second		-	there -	-10		1.00			8 Jun 2024		0.02	0.3	4.95	0.0016		0.0090	0.0124		16.2		0.0194			0.036
					142	1 -	10	1022	in the second	THE R				1000	5 Jul 2024	1.24		1.2	5.06	0.0017		0.0092	0.0180		21.1	0.0116			1	0.037
				in the	R aller	100	Vie	R.G.M.R.						1.2.2.4	2 Jul 2024	0.16		-	4.01	-	0.0982				11.7	- in the second	0.0142	0.00004		0.037
			8.1	18 a	and the second							行行名			6 Jul 2024	0.31	0.05	-	2.74	0.0016			0.0073		10.7	0.0056		_	_	0.022
1200	and the second	March 1	F12	-	-3		-	12	-					and the second second	6 Jul 2024	2.05		0.8	4.82	0.0031	0.345		0.0185		32.8			80000.0	0.003	0.057
	A. T	A STATE OF	1.45	Sec. 20		m la	6000	100					and a second	1000	2 Aug 2024	- Contractor			2.31	0.0014		0.0047	0.0050		13.1	0.0050	0.0107			0.02
			14			20.20	112	all?		\$20.			<b>100</b>	-	8 Aug 2024	- Constant of the local division of the loca		1.8	1.68	0.0020		0.0029	1000		10.2	0.0028		-	-	0.01
	the set				1	11/1	1 5	1.12			1.13				5 Aug 2024	-	0.13	0.5	2.07	0.0009	and the second s	0.0042	0.0058	-	14.0	0.0041			-	0.01
12.85			0.00			1.00	6 8		1.12	1	No.	ST OF ST	回機	N	4 Aug 2024	-		0.7	1.94		0.118		0.0044		12.8					0.01
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		ALC: NO			1.26		100	Dal		AF	• 1	1	1		5 Sep 2024				4.45	0.0012		0.0103			23.8		0.0199		_	0.04
	ALL.	New State				18			1	and in		38	2. 6	1	9 Sep 2024	-	3.43	3.4	3.68	0.0042		0.0076	0.0121		19.5	0.0104	0.0180	0.00029		0.0-
	No. For		Sec.	and the	all and all	Ref .	and the second			100		-	1203		0 Sep 2024	-		0.3	0.342	-	0.0195				1.78	-		-		0.0
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Date 07 Jun 2024	mg/l 0.10	mg/L		mg/L 0.457	mg/L 0.0034	mg/L 0.151		mg/L 0.0039	mg/L 0.0058	mg/L 5.20	mg/L 0.0014	mg/L 0.0167	mg/L 0.0233		mg/L 0.007	Zn mg/L 0.031	×													
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Date           07 Jun 2024           16 Jun 2024           21 Jun 2024           23 Jun 2024           26 Jun 2024           10 Jul 2024           12 Jul 2024           26 Jul 2024           08 Aug 2024           15 Aug 2024           15 Aug 2024           27 Aug 2024           28 Jul 2024           29 Aug 2024           29 Sep 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09	mg/L 0.02 0.04	0.3	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0019 0.0031 0.0016 0.0018 0.0018 0.0018 0.0018 0.0022 0.0013	mg/L 0.151 0.247 0.247 0.217 0.0270 0.373 0.0908 0.0937 0.0896 0.13 0.327 0.9911 0.377	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0072 0.0073 0.0073 0.0073 0.0013 0.0013	mg/L 0.0058 0.0055 0.0011 0.0040 0.0036 0.0033 0.0032 0.0012 0.0022 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 4.18 16.7	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0189 0.0194 0.0182 0.0184	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0268	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023	×													
Date           07 Jun 2024           16 Jun 2024           21 Jun 2024           23 Jun 2024           26 Jun 2024           10 Jul 2024           12 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           26 Jul 2024           17 Jul 2024           18 Jul 2024           24 Aug 2024           24 Aug 2024           29 Aug 2024           05 Sep 2024           09 Sep 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064 0.263	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0019 0.0031 0.0016 0.0018 0.0018 0.0018 0.0018 0.0022 0.0013	mg/L 0.151 0.247 0.247 0.217 0.0270 0.373 0.0908 0.0937 0.0896 0.13 0.327 0.911 0.327 0.911 0.377 0.0205	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0053 0.0072 0.0039 0.0023 0.0072 0.0013 0.0013 0.0063 0.0002 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0036 0.0033 0.0032 0.0012 0.0022 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 13.5 4.18 16.7 0.891	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0180 0.0180 0.0189 0.0194 0.0182 0.0184 0.0180	mg/L 0.0233 0.0296 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0268 0.0228	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023 0.025	×													
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           25 Jun 2024           12 Jul 2024           16 Jul 2024           26 Jul 2024           02 Aug 2024           15 Aug 2024           29 Aug 2024           29 Seg 2024           05 Seg 2024           20 Seg 2024           20 Seg 2024           20 Seg 2024           20 Seg 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064 0.263 0.066 0.036	mg/L 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0019 0.0031 0.0016 0.0018 0.0018 0.0018 0.0018 0.0022 0.0013	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.13 0.0896 0.13 0.327 0.9911 0.377 0.0205 0.0873	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0053 0.0072 0.0039 0.0023 0.0072 0.0013 0.0013 0.0063 0.0002 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0180 0.0180 0.0189 0.0194 0.0182 0.0184 0.0180 0.0174	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0268 0.0222 0.0235	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.038 0.022 0.038 0.022 0.038 0.023 0.005 0.005	×													
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           25 Jun 2024           15 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           26 Jul 2024           16 Jul 2024           26 Jul 2024           15 Aug 2024           26 Aug 2024           15 Aug 2024           26 Sep 2024           20 Sep 2024           20 Sep 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.334 0.064 0.263 0.066 0.036	mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0011 0.0016 0.0018 0.0018 0.0013 0.0013 0.0013 0.0024	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0279 0.135	mg/L	mg/L 0.0039 0.0063 0.0012 0.0053 0.0002 0.0072 0.0039 0.0039 0.0072 0.0013 0.0063 0.0063 0.0002 0.0012 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0052	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.16 16.7 0.891 4.16 3.10	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0194 0.0182 0.0184 0.0180 0.0174 0.0175	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0282 0.0312 0.0258 0.0258 0.0225 0.0225 0.0225 0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.018 0.022 0.018 0.022 0.038 0.022 0.038 0.022 0.038 0.023 0.005 0.005	×				C									
Date           07 Jun 2024           16 Jun 2024           16 Jun 2024           21 Jun 2024           28 Jun 2024           05 Jul 2024           16 Jul 2024           02 Jul 2024           03 Jul 2024           04 Jul 2024           05 Jul 2024           04 Jul 2024           05 Jul 2024           05 Jul 2024           04 Jul 2024           05 Jul 2024           05 Sep 2024 <td>mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08</td> <td>mgiL 0.02 0.04 0.02</td> <td>mg/L 0.3 0.4 0.4</td> <td>mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581</td> <td>mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0011 0.0016 0.0018 0.0018 0.0013 0.0013 0.0013 0.0024</td> <td>mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665</td> <td>0.0005</td> <td>mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0039 0.0032 0.0039 0.0072 0.0013 0.0063 0.0063 0.0002 0.0012 0.0099 0.0021</td> <td>mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039</td> <td>mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67</td> <td>mg/L 0.0014 0.0015</td> <td>mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0194 0.0184 0.0180 0.0184 0.0174 0.0176 0.0176</td> <td>mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0282 0.0312 0.0258 0.0258 0.0225 0.0225 0.0225 0.0224</td> <td>mg/L 0.00130</td> <td>mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003</td> <td>Zn mg/L 0.031 0.053 0.012 0.041 0.003 0.042 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023 0.038 0.014 0.025 0.005 0.005 0.005</td> <td>×</td> <td></td> <td>く、肥大日本</td> <td></td>	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581	mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0011 0.0016 0.0018 0.0018 0.0013 0.0013 0.0013 0.0024	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665	0.0005	mg/L 0.0039 0.0063 0.0012 0.0053 0.0072 0.0039 0.0032 0.0039 0.0072 0.0013 0.0063 0.0063 0.0002 0.0012 0.0099 0.0021	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039	mg/L 5.20 9.69 2.46 8.1 0.997 13.7 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0169 0.0167 0.0175 0.0180 0.0180 0.0194 0.0184 0.0180 0.0184 0.0174 0.0176 0.0176	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0274 0.0240 0.0240 0.0240 0.0282 0.0312 0.0258 0.0258 0.0225 0.0225 0.0225 0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.003 0.042 0.033 0.042 0.022 0.018 0.022 0.038 0.014 0.023 0.038 0.014 0.025 0.005 0.005 0.005	×		く、肥大日本											
Date           07         Jun 2024           16         Jun 2024           15         Jun 2024           23         Jun 2024           24         Jun 2024           12         Jul 2024           12         Jul 2024           02         Jul 2024           02         Jul 2024           02         Jul 2024           03         Jul 2024           04         Jul 2024           05         Jul 2024           04         Jul 2024           05         Jul 2024           05         Jul 2024           05         Jul 2024           05         Sep 2024 <td>mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08 0.05 0.08 0.11</td> <td>mgiL 0.02 0.04 0.02</td> <td>mg/L 0.3 0.4 0.4</td> <td>mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581</td> <td>mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0019 0.0031 0.0016 0.0018 0.0013 0.0013 0.0024 0.0030 0.0094</td> <td>mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665</td> <td>0.0003</td> <td>mg/L 0.0039 0.0063 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0039 0.0013 0.0063 0.0012 0.0012 0.0012 0.0012</td> <td>mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039</td> <td>mg/L 5.20 9.69 2.46 8.1 0.997 13.77 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67 3.52</td> <td>mg/L 0.0014 0.0015</td> <td>mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0167 0.0175 0.0180 0.0169 0.0180 0.0184 0.0182 0.0184 0.0176 0.0176 0.0177</td> <td>mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0225 0.0225 0.0225 0.0222 0.0235</td> <td>mg/L 0.00130</td> <td>mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003</td> <td>Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.023 0.022 0.025 0.005 0.005 0.012 0.005</td> <td>×</td> <td></td> <td></td> <td></td> <td>T.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.04 0.06 0.06 0.06 0.06 0.14 0.09 0.05 0.08 0.05 0.08 0.05 0.08 0.11	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.200 0.121 0.211 0.211 0.211 0.211 0.364 0.663 0.663 0.263 0.0660 0.036 0.262 0.581	mgiL 0.0034 0.0021 0.0019 0.0016 0.0024 0.0020 0.0018 0.0018 0.0019 0.0031 0.0016 0.0018 0.0013 0.0013 0.0024 0.0030 0.0094	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.9937 0.0937 0.13 0.327 0.0911 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.377 0.0205 0.373 0.0279 0.135 0.0665	0.0003	mg/L 0.0039 0.0063 0.0053 0.0072 0.0072 0.0039 0.0039 0.0039 0.0039 0.0013 0.0063 0.0012 0.0012 0.0012 0.0012	mg/L 0.0058 0.0055 0.0011 0.0040 0.0033 0.0032 0.0012 0.0022 0.0052 0.0039 0.0039	mg/L 5.20 9.69 2.46 8.1 0.997 13.77 3.72 3.61 3.83 5.5 13.5 4.18 16.7 0.891 4.16 3.10 5.67 3.52	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0167 0.0175 0.0180 0.0169 0.0180 0.0184 0.0182 0.0184 0.0176 0.0176 0.0177	mg/L 0.0233 0.0290 0.0236 0.0275 0.0226 0.0240 0.0240 0.0246 0.0282 0.0312 0.0258 0.0225 0.0225 0.0225 0.0222 0.0235	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.023 0.022 0.023 0.022 0.025 0.005 0.005 0.012 0.005	×				T.									
Date           07         Jun 2024           16         Jun 2024           12         Jun 2024           23         Jun 2024           12         Jun 2024           12         Jun 2024           12         Jun 2024           16         Jun 2024           16         Jun 2024           07         Jun 2024           08         Jun 2024           15         Jun 2024           24         Jun 2024           28         Jun 2024           08         Sep 2024           09         Sep 2024           01         Sep 2024           01         Oct 2024           16         Oct 2024	mg/l 0.10 0.13 0.07 0.06 0.11 0.15 0.14 0.06 0.06 0.06 0.06 0.14 0.09 0.05 0.05 0.08 0.011 0.10	mgiL 0.02 0.04 0.02	mg/L 0.3 0.4 0.4	mg/L           0.457           0.596           0.108           0.422           0.640           0.234           0.200           0.121           0.334           0.060           0.036           0.362           0.581           0.581	mgl.           0.0034           0.0019           0.0016           0.0016           0.0016           0.0016           0.0016           0.0017           0.0018           0.0019           0.0019           0.0010           0.0011           0.0012           0.0013           0.0014           0.0015           0.0016           0.0017           0.0018           0.0019           0.0030           0.0030	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.373 0.0908 0.13 0.327 0.0896 0.13 0.327 0.9911 0.377 0.0205 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873 0.0873	mg/L	mg/L           0.0039           0.0053           0.0053           0.0053           0.0053           0.0053           0.0054           0.0055           0.0052           0.0053           0.0054           0.0052	mg/L 0.0055 0.0011 0.0040 0.0040 0.0032 0.0032 0.0012 0.0032 0.0032 0.0032 0.0032	mg/L           520           9.69           2.46           8.1           0.997           13.7           3.81           3.83           5.5           13.5           4.18           16.7           0.991           4.16           3.10           5.67           3.52	mg/L 0.0014 0.0015	mg/L           0.0167           0.0192           0.0174           0.0183           0.0165           0.0155           0.0167           0.0175           0.0180           0.0181           0.0182           0.0184           0.0184           0.0184           0.0184           0.0184           0.0175           0.0175           0.0176           0.0176           0.0176           0.0176           0.0175	mg/L           0.0233           0.0290           0.0236           0.0275           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0226           0.0226           0.0226           0.0226           0.0224           0.0224           0.0224           0.0224           0.0225           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.003 0.003 0.003	Zn mg/L 0.031 0.053 0.041 0.041 0.041 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.055 0.055 0.005 0.012 0.012 0.012	×				T									
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           05 Jul 2024           12 Jul 2024           16 Jul 2024           16 Jul 2024           07 Jul 2024           08 Sep 2024           09 Sep 2024           09 Sep 2024           01 Get 2024           10 Get 2024	mg1 0.10 0.13 0.07 0.06 0.11 0.15 0.11 0.15 0.04 0.06 0.06 0.06 0.05 0.08 0.05 0.08 0.05 0.08 0.11 0.10 0.06	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L 0.457 0.596 0.108 0.442 0.640 0.234 0.240 0.240 0.2211 0.211 0.334 0.064 0.263 0.066 0.365 0.581 0.059 0.031	mgl.           0.0034           0.0019           0.0016           0.0016           0.0016           0.0016           0.0016           0.0017           0.0018           0.0019           0.0019           0.0010           0.0011           0.0012           0.0013           0.0014           0.0015           0.0016           0.0017           0.0018           0.0019           0.0030           0.0030	mg/L 0.151 0.247 0.0746 0.217 0.0270 0.0270 0.373 0.0908 0.133 0.327 0.0911 0.327 0.0205 0.9911 0.377 0.0205 0.0873 0.0791 0.135 0.0865 0.115 0.109	mg/L 6.0003	mg/L           0.0039           0.0053           0.0053           0.0053           0.0054           0.0053           0.0052           0.0052           0.0032           0.0032           0.0032           0.0032           0.0034           0.0035           0.0034           0.0035           0.0032           0.0034           0.0035           0.0032           0.0032           0.0034           0.0035           0.0032           0.0034           0.0035           0.0032           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034           0.0034	mg/L 0.0055 0.0011 0.0040 0.0040 0.0032 0.0032 0.0032 0.0032 0.0032 0.0032 0.0032	mg/L           520           9.69           2.48           8.1           0.997           13.7           3.72           3.61           3.83           5.5           13.5           4.18           16.7           0.891           4.16           3.10           3.56           5.57           3.52           5.32           4.41	mg/L 0.0014 0.0015	mg/L           0.0167           0.0192           0.0174           0.0180           0.0155           0.0156           0.0158           0.0150           0.0150           0.0152           0.0180           0.0184           0.0180           0.0184           0.0180           0.0184           0.0180           0.0184           0.0180           0.0181           0.0182           0.0184           0.0180           0.0172           0.0157           0.0157           0.0157           0.0157	mg/L           0.0233           0.0290           0.0236           0.0275           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0226           0.0226           0.0226           0.0226           0.0224           0.0224           0.0224           0.0224           0.0225           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224           0.0224	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn mg/L 0.031 0.053 0.012 0.041 0.007 0.033 0.042 0.022 0.022 0.018 0.022 0.038 0.014 0.022 0.038 0.014 0.025 0.005 0.005 0.005 0.005 0.005 0.005	×				T									
Date           07 Jun 2024           16 Jun 2024           12 Jun 2024           21 Jun 2024           25 Jun 2024           15 Jul 2024           16 Jun 2024           26 Jul 2024           16 Jun 2024           26 Jul 2024           16 Jun 2024           26 Jun 2024           15 Jun 2024           26 Jun 2024           15 Aug 2024           28 Aug 2024           05 Sep 2024           20 Sep 2024           21 Sep 2024           22 Sep 2024           23 Sep 2024           24 Sep 2024           25 Oct 2024           26 Oct 2024           27 Oct 2024           28 Oct 2024	mgil           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.08           0.09           0.05           0.08           0.09           0.05           0.08           0.11           0.06           0.11           0.06	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L           0.457           0.596           0.108           0.422           0.640           0.234           0.241           0.211           0.211           0.334           0.664           0.253           0.066           0.334           0.660           0.336           0.659           0.581           0.659           0.631           0.176	mg/L           0.0034           0.0021           0.0019           0.0019           0.0010           0.0020           0.0010           0.0010           0.0011           0.0012           0.0013           0.0014           0.0015           0.0016           0.0017           0.0018           0.0019           0.0014           0.0015           0.0014           0.0015           0.0014           0.0015           0.0014           0.0015           0.0014           0.0014           0.0015           0.0014           0.0014           0.0014           0.0014           0.0014           0.0014           0.0014           0.0014           0.0014           0.0014	mg/L           0.151           0.247           0.0740           0.217           0.0200           0.217           0.0200           0.0373           0.0908           0.337           0.0908           0.337           0.0307           0.337           0.0305           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405           0.0405	mg1L	mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0024           0.0025           0.0024           0.0039           0.0039           0.0031           0.0032           0.0034           0.0035           0.0036           0.0037           0.0038           0.0039           0.0031           0.0032           0.0032           0.0031           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0032           0.0034           0.0034	mg/L           0.0055           0.0055           0.0011           0.0066           0.0080           0.0081           0.0082           0.0022           0.0039           0.0039           0.0039           0.0039           0.0031           0.0039           0.0031           0.0031           0.0031           0.0031           0.0031           0.0031	mg/L           5:20           9:69           2:48           8:1           0:997           13:7           3:72           3:61           5:5           13:5           4:18           3:107           4:18           3:107           5:57           5:57           4:18           3:107           5:57           5:52           4:41           11:6	mg/L 0.0014 0.0015	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0189 0.0155 0.0180 0.0180 0.0182 0.0184 0.0180 0.0182 0.0172 0.0172 0.0172 0.0172 0.0172	mg/L           0.0233           0.0290           0.0236           0.0275           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0276           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn           mg/L           0.031           0.053           0.041           0.007           0.033           0.042           0.030           0.042           0.033           0.042           0.033           0.042           0.030           0.043           0.022           0.038           0.041           0.035           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005           0.005	×				The second secon									
Date           67         Jun 2024           16         Jun 2024           16         Jun 2024           21         Jun 2024           23         Jun 2024           12         Jul 2024           12         Jul 2024           12         Jul 2024           02         Jul 2024           03         Jul 2024           04         Jul 2024           05         Jul 2024           05         Jul 2024           05         Sep 2024           06         Sep 2024           07         Sep 2024           08         Sep 2024           09         Sep 2024           01         Oct 2024           01         Oct 2024           02         Sep 2024           02         Sep 2024           03         Sep 2024           04         Sep 2024           05         Sep 2024           06         Sep 2024           07         Sep 2024 <td>mg/l           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.05           0.08           0.05           0.06           0.05           0.06           0.05           0.06           0.05           0.05           0.06           0.05           0.05           0.05</td> <td>mgiL 0.02 0.04 0.02</td> <td>mgiL 0.3 0.4 0.4 0.3</td> <td>mg/L 0.457 0.596 0.105 0.442 0.234 0.234 0.234 0.234 0.231 0.211 0.211 0.211 0.334 0.064 0.035 0.562 0.561 0.055 0.581 0.059 0.581 0.059</td> <td>mg/L           0.0034           0.0021           0.0021           0.0019           0.0024           0.0024           0.0024           0.0016           0.0018           0.0024           0.0024           0.0024           0.0030           0.0030           0.0034           0.0035           0.0036           0.0036           0.0036           0.0036           0.0036           0.0037           0.0038           0.0039           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030</td> <td>mg/L           0.151           0.247           0.0740           0.0700           0.277           0.0700           0.0701           0.0702           0.0703           0.0805           0.0906           0.0373           0.0307           0.0207           0.0373           0.0207           0.0373           0.0207           0.0373           0.0207           0.135           0.0405           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115</td> <td>mg/L</td> <td>mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0024           0.0025           0.0024           0.0039           0.0025           0.0039           0.0021           0.0039           0.0042           0.0042           0.0042           0.0041           0.0041           0.0041           0.0041           0.0042           0.0044           0.0044           0.0044           0.0044           0.0044</td> <td>mg/L           0.0055           0.0055           0.0054           0.0055           0.0011           0.0086           0.0033           0.0032           0.0042           0.0055           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039</td> <td>mg/L           520           9.69           2.46           8.1           0.997           3.61           3.83           5.5           13.5           4.16           3.10           5.67           3.52           4.41           11.6           7.34</td> <td>mg/L 0.0014 0.0015 0.0013</td> <td>mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0189 0.0155 0.0180 0.0180 0.0182 0.0184 0.0180 0.0182 0.0172 0.0172 0.0172 0.0172 0.0172</td> <td>mg/L           0.0233           0.0290           0.0256           0.0275           0.0276           0.0276           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0282           0.0282           0.0295           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0249</td> <td>mg/L 0.00130</td> <td>mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004</td> <td>Zn           mg/L           0.031           0.053           0.041           0.067           0.033           0.042           0.052           0.058           0.012           0.055           0.055           0.052           0.055           0.050           0.055           0.056           0.057           0.058           0.059           0.050           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055</td> <td>×</td> <td></td> <td></td> <td></td> <td>C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	mg/l           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.05           0.08           0.05           0.06           0.05           0.06           0.05           0.06           0.05           0.05           0.06           0.05           0.05           0.05	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L 0.457 0.596 0.105 0.442 0.234 0.234 0.234 0.234 0.231 0.211 0.211 0.211 0.334 0.064 0.035 0.562 0.561 0.055 0.581 0.059 0.581 0.059	mg/L           0.0034           0.0021           0.0021           0.0019           0.0024           0.0024           0.0024           0.0016           0.0018           0.0024           0.0024           0.0024           0.0030           0.0030           0.0034           0.0035           0.0036           0.0036           0.0036           0.0036           0.0036           0.0037           0.0038           0.0039           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030           0.0030	mg/L           0.151           0.247           0.0740           0.0700           0.277           0.0700           0.0701           0.0702           0.0703           0.0805           0.0906           0.0373           0.0307           0.0207           0.0373           0.0207           0.0373           0.0207           0.0373           0.0207           0.135           0.0405           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115           0.115	mg/L	mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0024           0.0025           0.0024           0.0039           0.0025           0.0039           0.0021           0.0039           0.0042           0.0042           0.0042           0.0041           0.0041           0.0041           0.0041           0.0042           0.0044           0.0044           0.0044           0.0044           0.0044	mg/L           0.0055           0.0055           0.0054           0.0055           0.0011           0.0086           0.0033           0.0032           0.0042           0.0055           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039	mg/L           520           9.69           2.46           8.1           0.997           3.61           3.83           5.5           13.5           4.16           3.10           5.67           3.52           4.41           11.6           7.34	mg/L 0.0014 0.0015 0.0013	mg/L 0.0167 0.0192 0.0174 0.0183 0.0196 0.0155 0.0189 0.0155 0.0180 0.0180 0.0182 0.0184 0.0180 0.0182 0.0172 0.0172 0.0172 0.0172 0.0172	mg/L           0.0233           0.0290           0.0256           0.0275           0.0276           0.0276           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0282           0.0282           0.0295           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0249	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn           mg/L           0.031           0.053           0.041           0.067           0.033           0.042           0.052           0.058           0.012           0.055           0.055           0.052           0.055           0.050           0.055           0.056           0.057           0.058           0.059           0.050           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055           0.055	×				C									
EPL80 Date 07 Jun 2024 16 Jun 2024 21 Jun 2024 22 Jun 2024 23 Jun 2024 12 Jul 2024 14 Jul 2024 16 Jul 2024 26 Jul 2024 26 Jul 2024 26 Jul 2024 26 Jul 2024 28 Jul 2024 29 Aug 2024 29 Aug 2024 29 Aug 2024 29 Sep 2024 20 Sep 20 20 Sep 20 20 Sep 20 20 Sep 20 20 Sep 20 20 Sep 20 20 S	mg/l           0.10           0.13           0.07           0.06           0.11           0.15           0.11           0.15           0.11           0.15           0.11           0.15           0.06           0.06           0.06           0.05           0.08           0.05           0.06           0.05           0.06           0.05           0.06           0.05           0.05           0.06           0.05           0.05           0.05	mgiL 0.02 0.04 0.02	mgiL 0.3 0.4 0.4 0.3	mg/L           0.457           0.596           0.108           0.442           0.640           0.234           0.640           0.234           0.000           0.121           0.334           0.660           0.334           0.662           0.553           0.655	mg/L           0.0034           0.0021           0.0016           0.0016           0.0020           0.0018           0.0018           0.0018           0.0019           0.0019           0.0019           0.0019           0.0019           0.0019           0.0019           0.0019           0.0019           0.0030           0.0030           0.0034           0.0035           0.0036           0.0037           0.0038           0.0039           0.0030           0.0032           0.0032           0.0032           0.0032	mg/L           0.151           0.247           0.0704           0.277           0.373           0.9908           0.9373           0.90908           0.9373           0.90908           0.9373           0.90908           0.9373           0.90908           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.9374           0.1935           0.1935           0.194           0.194           0.194	mg/L 6.0003	mg/L           0.0039           0.0043           0.0053           0.0012           0.0053           0.0012           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0039           0.0031           0.0032           0.0033           0.0034           0.0035           0.0039           0.0041           0.0041           0.0044           0.0044           0.0044	mg/L           0.0055           0.0055           0.0054           0.0055           0.0011           0.0086           0.0032           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0052           0.0053           0.0054           0.0057           0.0058           0.0059	mg/L           520           9.69           2.46           8.1           0.997           3.61           3.72           3.61           3.83           5.5           13.5           4.16           3.10           5.57           3.32           5.32           4.41           11.6           7.34           9.78	mg/L 0.0014 0.0015 0.0013	mg/L           0.0167           0.0192           0.0174           0.0183           0.0196           0.0155           0.0169           0.0155           0.0169           0.0175           0.0180           0.0180           0.0182           0.0184           0.0182           0.0184           0.0182           0.0182           0.0182           0.0182           0.0182	mg/L           0.0233           0.0290           0.0256           0.0275           0.0276           0.0276           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0274           0.0282           0.0282           0.0295           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0226           0.0227           0.0228           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0229           0.0249	mg/L 0.00130	mg/L 0.007 0.006 0.007 0.003 0.010 0.004 0.004 0.004	Zn           mg/L           0.051           0.052           0.012           0.041           0.053           0.042           0.043           0.022           0.018           0.022           0.018           0.022           0.018           0.022           0.033           0.044           0.035           0.045           0.046           0.047           0.048           0.049           0.041           0.042           0.042           0.042           0.044           0.043           0.044           0.044           0.043	×													











J.C. S. S.V.	in the	Constant of					1 Alton	1.67	202.01	and the					1.24	
			1940		S Table		Cherry I Have	13 Jan		1		ale con		S.NE		143
					105		EPL2	25			50436047	62 S. (199)		0.011.01930	×	
			12						Р	N	As (F)	Cu (F)	Fe (F)	Mn (F)	Zn (F)	
				$\mathcal{O}(\mathcal{A})$			D	Date	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Constant No.							03 Au	ug 2024	0.96	2.2	0.0010		0.483	1.25	0.024	
EPL2	CALCULATE AND		L C C C C C C C C C C C C C C C C C C C	A SALENARY		×	04 No	ov 2024	0.10	0.3	0.0010	0.0060			0.017	An
	Р	Nitrite + Nitrate as N	N	As (F)	Cr (F)	Cu (F)	To and the second				add	199				
Date	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L	EPL4	1	-duc je vi	U		Sell Art			,	×
04 Aug 2024	0.12	0.18	0.9	0.0011		0.0024	C. A. S. C. C. S. S.		Р	Nitrite +	Nitrate as	N N	As (	F) Cr (F		- Contraction 100
04 Nov 2024	0.07	0.04		0.0016	0.0002	0.0096	D	Date	mg/l		ng/L	mg/L	_ mg/	L mg/L	mg/L	- 100
The state							17 No	lov 2024	2.94	:	23.2	29.4	0.004	13 0.000	5 0.0074	
			350		X		17 No	lov 2024		:	26.1					-
EPL1	101.102		1.100.000		×		A Cart and a		5 E	at the		1	34	Sec. Sec.		
100	Р	Nitrite + Nitrate as N	As (F)	Cu (F)	Zn (F)	2	- Star and a log									
Date	mg/l	mg/L	mg/L	mg/L	mg/L		100000000000							Personal Inter		
04 Aug 2024	0.07	0.13		0.0011	0.003	(Net	State State									
04 Nov 2024	0.07	0.03	0.0010	0.0015		Store		12,925								





			1				Nitrite + Nitrate as N	N	AI	Cr (F)	Cr	Fe
	35 M	. 2. 3	1.400			Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/l
	X L Z BEEK	100	P P			02 Jun 2024			0.07	0.0002	0.0003	
All ( N)				63 W		09 Jun 2024			0.068	0.0002	0.0003	
	and a state of the				61120	15 Jun 2024	0.05		0.128		0.0004	
		1		<b>A</b>		23 Jun 2024			0.052	0.0002	0.0003	
14235			ALC: NO		A	29 Jun 2024			0.075	0.0002	0.0004	
	Real House	188	and a	1. 300	1940	02 Jul 2024			0.057		0.0003	
122			1000	See 1		13 Jul 2024			0.112	0.0002	0.0004	
		10 -	( at )			19 Jul 2024			0.062		0.0003	
EPL26		Marine .	Store .	917 - M	×	27 Jul 2024			0.104		0.0004	
	Nitrite + Nitrate as N	N	AI	Cr (F)	Cr	04 Aug 2024	0.05		0.092	0.0002	0.0004	
Date	mg/L	mg/L	mg/L	mg/L	mg/L	09 Aug 2024	0.05		0.095		0.0003	
09 Jun 2024	0.06		0.081	0.0002	0.0004	17 Aug 2024			0.107		0.0004	
19 Jul 2024		-	0.048		0.0003	24 Aug 2024		0.3	0.074		0.0003	
27 Jul 2024	0.02		0.110	0.0002	0.0004	30 Aug 2024			0.049	0.0002	0.0003	
10 Aug 2024	ki lainin ka			0.0002		07 Sep 2024		0.3	0.062		0.0022	
24 Aug 2024		0.3	0.065		0.0002	15 Sep 2024			0.075		0.0003	
07 Sep 2024	L.	0.3	0.068		0.0003	21 Sep 2024			0.032		0.0003	
15 Sep 2024			0.064		0.0004	27 Sep 2024			0.078	0.0002	0.0004	
19 Oct 2024			0.126	0.0002	0.0004	06 Oct 2024			0.036		0.0002	
01 Nov 2024	8		-	0.0003		11 Oct 2024			0.045		0.0003	
Card B	the way and a	. There		50	E	18 Oct 2024		0.3	0.315	0.0002	0.0008	0.41
	ter clitter	名語				25 Oct 2024			0.029		0.0002	
	and the second					01 Nov 2024	0.03		0.041	0.0002	0.0004	
		1	4 4			08 Nov 2024			0.035	0.0002	0.0003	
	a to the first start start				1	08 Nov 2024	0.02		0.036		0.0006	
「おりやちうない	S.M. D. Lanni	1 × 1		1 month	an inter	15 Nov 2024		-	0.031		0.0003	
A CONTRACTOR OF				100	- 37 W.	22 Nov 2024			0.057	0.0002	0.0004	
	Control Anno 14 184					30 Nov 2024		0.4			0.0003	





Zn mg/L 0.003 0.005 0.005 0.016 0.012 0.012 0.012

0.005

			100		142					1005		4.9%	EPL99																	
													743	Nitrite + Nitrate as N	CN-	N	AI (F)	AI	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ag (F)	Ag	Zn (F)	
		A Prove				Sec. 6							Date	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	
		14	6.00	100								2111	10 Jul 2024	3.13	0.019	4.8		-	0.0046						-					
										£			19 Jul 2024	3.14	0.010	4.4	_	0.806		0.0048			0.0020		1.12		_			
				254.24		<b>B</b> the				24	Sec.		28 Jul 2024	1.47		2.4		3.24		0.0044				0.0026	3.50	0.0012	_			
	a suit		102			Sec. 1				2.0.2			04 Aug 2024	1.36		2.2		1.78		0.0040			_		2.12					
66669								2.260	1997 I		Section 2		09 Aug 2024	1.50		2.2		1.23			0.0136		_	0.0015	1.18		-			
							1 rate		Barran.	1			17 Aug 2024	3.08	-	4.2		1.35		0.0047		0.0164		0.0014	1.16		-	-		
		a line					1000	Collins.	1				24 Aug 2024	1.29		1.9		2.36					0.0011		3.53	0.0016	_	0.00004		
	- A CARLER AND				24.2	-10	14	1			5		30 Aug 2024	9.12	0.142	17.0		2.78		0.0044			0.0157	0.0352	5.22	0.0020				
					1.45%			1					07 Sep 2024	6.91	0.066	10.1		0.756	0.0022	0.0028	0.0068		0.0094	0.0210	0.849					
		有部							Sec. 14				15 Sep 2024	0.07				1.07				0.0045			1.16	0.0028			0.008	
					100	The St.	ale al		Masley				21 Sep 2024	19.7	0.015	29.3		1.06					0.0017		1.19					
Constant of	1 PERCENT						98 ge				445		29 Sep 2024	16.9		22.6	0.035	0.850		0.0028				0.0029	0.851					
199			Sec.	Star S	NISK R		6.28	A de			10		06 Oct 2024	16.8		25.0	0.030	0.513	0.0030		0.0076			0.0025	0.422					
Contraction of the	A Star			an sa	五年二	18		Real I		12		-	11 Oct 2024	40.3	0.225	58.4		1.30	0.0017	0.0022			0.0342		2.56		0.00004	0.00004		
	6 18 8 8 9	2.84	Person		1	100		and a state					18 Oct 2024	23.6	0.115	34.5		0.121			0.0829	0.0892	0.0021							
2005		1.426		58. A.B	de la	6.22					Q		01 Nov 2024	26.2	0.027	46.0	_	0.995		0.0013		0.0579		0.0023	1.14					
		190		1.20	23.			199			Carls 1		08 Nov 2024	24.5	0.205	39.4			0.0016								0.00003	0.00003		
EPL71					and that is								27 Nov 2024	13.6	22.7	10.5	1. X. 200	0.107	0.0081	0.0079	0.0429	0.0453	718	0.0018	1200	TABLE		-	100 m	ł
	Nitrite + Nitrate as N	N	AI	As	Cr (F)	Cr	Cu	Fe	Pb	Mn	Ni	Zn				14		all so	240 A.S.		1			10			1		Child.	
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NEX R THE R			人的机	Sec. all	See.	14 M	the states				18				1	Paral and	
02 Jun 2024			0.862			0.0012		0.873					Carl Carl							and the			100	A.F.				1.21	25	
9 Jun 2024			0.834	1		0.0014	0.0012	0.807				0.004					and the set									18		100	ALL D	
16 Jun 2024			3.74	0.0013		0.0063	0.0049	4.42			0.0138	0.011	C. O. Station				32 E.A.S		22								10.546	100		
23 Jun 2024	0.06	0.4	1.15			0.0020	0.0017	1.18				0.005				3.00		and i				450	ALL AND					- California	100	
29 Jun 2024			1.17			0.0019	0.0013	1.22				0.003			6			and the second				ALL .	C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-					<b>第一位</b>		
02 Jul 2024			2	-		0.0038	0.0027	2.16				0.004						$\mathcal{Q}_{i}$ is			Contraction of the	12	Test	1.5				191	E. 4.	
13 Jul 2024	0.02		3.3	0.0012		0.0060	0.0043	3.66			0.0113	0.008	和国家的行政法		100		1.02		1860 F		0.0	1	•							
19 Jul 2024			1.92			0.0037	0.0026	2.26				0.005	Deletion Pro				一次的			C tob			ŏ	S.F. SY				140.11		
27 Jul 2024			2.11			0.0039	0.0029					0.004									and the second		1	17 m						
04 Aug 2024			1.07			0.0021		1.21				0.003			and a					3		B	10 H				12.2	R		
09 Aug 2024			0.734		0.0013	0.0013	0.0011	0.712					Sale and Sole				-	1.1			100	5		1	100			200	All -	
17 Aug 2024	0.09		140	0.0158	0.0004	0.281	0.255	188	0.0268	3.47	0.777	0.374					IN CO	1.74	250.3	the second	et al.	E	1		100	and a	a grant p	Contra 1		
24 Aug 2024		0.3	6.36	0.0011		0.0122	0.0090	8.24	0.0012		0.0263	0.015	The North Party	1.10	- Cart		8	and the state	Story-	Di Alle	1	2	1			1	100	1.20	The I	
30 Aug 2024			1.25			0.0023	0.0020	1.39				0.003	A STATEMENT	and the second	A State	100	9		3	- He		Par an	ale for			AN AN		1		
07 Sep 2024	0.09	0.5	8.25	0.0022		0.0161	0.0118	10.4	0.0023		0.0340	0.018			See.			1903		1		-	1.20			1 Stat	100	AA .		
15 Sep 2024			2.94			0.0050	0.0043	3.23			0.0107	0.007	A CARLER OF		1 States		品。	Pine-	To water	23	-	100	-	a n		Sec. 3		San Providence		
21 Sep 2024	0.11		0.278			0.0005								State of the second			Sec.		A CONTRACT	-	55 S. A	and a	Sa St	a state				21/2		
29 Sep 2024			1.68			0.0030	0.0024	1.77				0.004							13.1	1			Nº 1	- Ser		E di			A STAN	
06 Oct 2024	0.02		1.67			0.0029	0.0022	1.89				0.004	The mathematic	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A CAR				1	100	1	Star		ALC: NO		WHERE !	Con Con	151		
11 Oct 2024	1		1.13			0.0019	0.0015	1.20				0.003		ALL ALL	AND A	100			1 1 13		ala	mbene	tive,	25	1					
18 Oct 2024	3.51	4.2	3.50	0.0016	0.0003	0.0059	0.0059	4.02	0.0011		0.0167	0.012	Same State	an and the	100	1.50			15	2.00			172	1					No.	
25 Oct 2024			1.22			0.0017	0.0016	1.16				0.003	Surren and a	- Aller	1.100	A State		N.R.				121	100		24			1	100	
01 Nov 2024			0.708			0.0013	0.0011	0.654																						
08 Nov 2024			0.739			0.0016		0.733																						
			2.00	0.0012		0.0030	0.0030	2.09				0.004																		
15 Nov 2024																														
			1.01	0.0009		0.0017	0.0016	1.07																						
15 Nov 2024 22 Nov 2024 30 Nov 2024	2.81	3.8	1.01	0.0009		0.0017	0.0016	1.07					J.																	





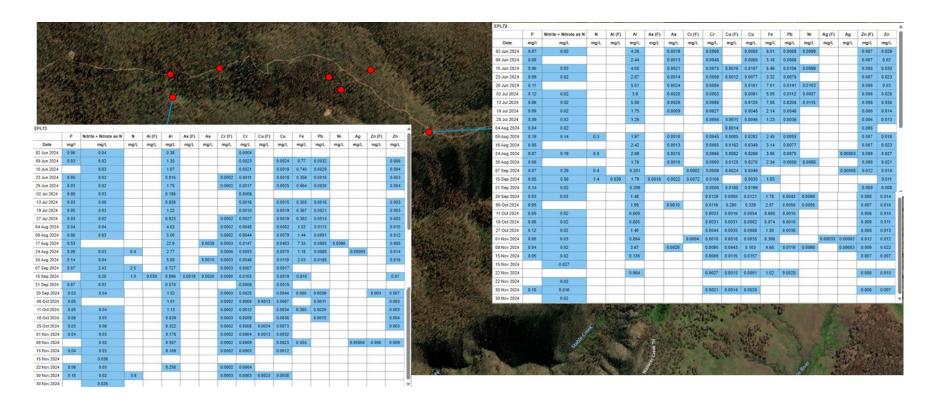
Notice         N         Al (F)         A         S(F)         Cr (f)         Cr         Total         Total <th></th> <th></th> <th></th> <th></th> <th></th> <th>123.</th> <th></th> <th></th> <th>Des.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>EPL101</th>						123.			Des.						EPL101
Function         N         AI (f)         AI         As (f)         As         Cr (f)         Cr         Cu         Fe         Z         Co         Z         Se															Date
EPL100         N         A1 (F)         As         Cr (F)         Cr         Cu         Fe         Zn         Dial         Dial </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Sec</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13 Jul 2024</td>							Sec								13 Jul 2024
EPL100         X         If? Aug 2024         Aug 2024         O B         O B         O C         Fe         Zn         Diale         Month         Mont	and the second						243				2.58	THE REAL			19 Jul 2024
EPL100         N         Al (F)         A         C         C (F)         C         U         F         C <thc< th="">         C         <thc< th="">         &lt;</thc<></thc<>						1. A.		1				1.1			09 Aug 2024
Solution	Standard I				18.03		1		10 1						17 Aug 2024
Nitrito + Nitrato es N         N         Al (f)         Al         As (F)         As         C (F)         C u         Fe         Zn           EPL100         mgL         mgL <td>DAL EXCH</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ili)e</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>24 Aug 2024</td>	DAL EXCH								ili)e						24 Aug 2024
EPL100         Nitrite - Nitrate an M         Al (F)         As (F)         As (Cr (F)         Cr         U         Fe         Zi         Total         Bod         Total         Bod         Si         Cr (F)         Cr         Cu         Fe         Zi         Mail         Si         Si         Si         Si         Cr (F)         Cr         Cu         Fe         Zi         Si         Si<         Si		1300 33137			國黨			Sel	0000	Sen. F					30 Aug 2024
EPL100         X         N         Al (F)         Al         As (F)         As         Cr (F)         Cr         Cu         Fe         Zn         N         N         Al (F)         Al         As (F)         As         Cr (F)         Cr         Cu         Fe         Zn         N	<b>深刻</b> 在1995		1.197			133.4	Sec.	1.0.2	故意	- Mean					07 Sep 2024
EPL100         Nitrite + Nitrate as N         A I(F)         AI         As (F)         As         Cr (F)         Cr         Cu         Fe         Zn           19 JU 2024         0.19         0.6         0.436         0.0015         0.0052         0.0053         0.0444         0.0044           28 Ju 2024         0.33         0.5         0.450         0.0017         0.0018         0.0054         0.0054         0.0054         0.0054         0.0015         0.0024         0.0054         0.0015         0.001         0.002         0.0015         0.001         0.002         0.0015         0.0015         0.0015         0.001 <td></td> <td>A CLASSEE</td> <td></td> <td></td> <td>NR .</td> <td></td> <td>the car</td> <td>(Sec.)</td> <td></td> <td>Materia</td> <td></td> <td>Con.</td> <td></td> <td></td> <td>15 Sep 2024</td>		A CLASSEE			NR .		the car	(Sec.)		Materia		Con.			15 Sep 2024
Nutrite - Nitrate as N         Al (F)         Al         As (F)         As         Cr (F)         Cr         Cu         Fe         Zo         Bit (Co         Date         mg/L         mg/L </td <td></td> <td>A.F. S.</td> <td></td> <td></td> <td>3.6</td> <td></td> <td>Se 22</td> <td></td> <td>2 A 6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>28 Sep 2024</td>		A.F. S.			3.6		Se 22		2 A 6						28 Sep 2024
FPL100         Nitrite - Nitrate an M         Al (F)         As         Cr (F)         Cr         U         Fe         Zn         Ch         Ch         Ch         Fe         Zn         Ch         Nat						er fr					1.6				06 Oct 2024
EPL100         X           X           Date         mg/L	State State		2/		ALL D	D T S	Calenter .			175		Sec.			11 Oct 2024
EPL100         Nitrite - Nitrate as N         A I(F)         Ai         As (F)         As         Cr (F)         Cr         Cu         Fe         Zn           19 Jul 2024         0.19         0.6         0.436         0.0015         0.0021         0.0068         0.0015         0.0011         mgL         mgL         mgL         2024         0.033         0.5         0.4400         0.0015         0.0014         0.0064         0.0055         0.011         0.1472         222         2102 2024         0.33         0.5         0.4400         0.0015         0.0014         0.0064         0.0055         0.011         0.1474         222         210 2024         0.22         0.4         0.034         0.0017         0.0019         0.0044         0.0054         0.001         0.011         0.474         223         210 2024         0.22         0.02         0.011         0.474         224         223         0.22         0.0019         0.0021         0.0021         0.0015         0.021         0.0010         0.474         223         0.0010         0.002         0.0011         0.474         224         0.22         0.001         0.022         0.001         0.022         0.0011         0.474         223         0.0021					14.18	100		194			See.				18 Oct 2024
EPLCO         Nitrite - Nitrate as N         N         Al (F)         Al         As (F)         As         Cr (F)         Cr         Cu         Fe         Zn           19         Juic 2024         0.19         0.6         0.436         0.0015         0.0021         0.0068         0.0013         0.444         0.004           19         Juic 2024         0.19         0.6         0.436         0.0015         0.0013         0.0013         0.444         0.004           04 Juig 2024         0.25         0.4         0.2644         0.0017         0.019         0.0044         0.0055         0.11         0.474           04 Juig 2024         0.20         0.6         0.768         0.0019         0.0021         0.0062         0.0011         0.474         22 Nov 2022           04 Juig 2024         0.20         0.6         0.768         0.0019         0.0021         0.0062         0.0011         0.474         22 Nov 2022           03 Juig 2024         0.19         0.9         0.033         0.607         0.0019         0.0021         0.0021         0.0014         0.512         0.005           15 Sep 2024         0.11         0.608         0.0021         0.0021         0.0021 <t< td=""><td></td><td></td><td></td><td></td><td></td><td><b>AAA</b>E</td><td>•</td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td>25 Oct 2024</td></t<>						<b>AAA</b> E	•				1				25 Oct 2024
Nitrite - Nitrate as N         N         Al (F)         Al         As (F)         As         Cr (F)         Cr         Cu         Fe         Zn           Date         mgiL	EPI 100		in the second			网络法国圣		17967	0.520	ela de Cr	102.00	enter St	~		01 Nov 2024
Date         mg/L         mg/L <th< td=""><td>LFLIDU</td><td>Nitrite + Nitrate as N</td><td>N</td><td>AL (E)</td><td>AI</td><td>As (F)</td><td>4.9</td><td>Cr (F)</td><td>Cr</td><td>Cu</td><td>Fe</td><td>Zn</td><td>1 în</td><td>331</td><td>08 Nov 2024</td></th<>	LFLIDU	Nitrite + Nitrate as N	N	AL (E)	AI	As (F)	4.9	Cr (F)	Cr	Cu	Fe	Zn	1 în	331	08 Nov 2024
19 Jul 2024       0.19       0.6       0.436       0.0015       0.0021       0.0068       0.0073       0.001       0.444       0.004         28 Jul 2024       0.33       0.5       0.450       0.0015       0.0014       0.0052       0.356       0.216       0.216       0.0056       0.0054       0.0054       0.0054       0.0054       0.0056       0.0017       0.0010       0.0044       0.0056       0.0017       0.0010       0.0056       0.0011       0.474       0.0057       0.0011       0.474       0.0012       0.0056       0.0011       0.474       0.0012       0.0056       0.0011       0.021       0.0056       0.0013       0.0060       0.0010       0.022       0.0056       0.0013       0.0067       0.0014       0.512       0.003       0.007       0.0021       0.0021       0.003       0.0041       0.004       <	Date									22.4			18		15 Nov 2024
28 Jul 2024         0.33         0.5         0.450         0.0015         0.0019         0.0044         0.0052         0.356         1           04 Aug 2024         0.25         0.4         0.264         0.0017         0.0019         0.0048         0.0054         1         1         22 Nov 2024         0.20         0.5         0.311         0.0017         0.0021         0.0047         0.0056         1         1         1         0.0019         0.0022         0.0647         0.0056         1         1         0         1         Nov 2024         0.20         0.6         0.766         0.0019         0.0022         0.0062         0.0011         0.474         0         23         1         1         0.056         1         0.47         0         0         0.003         0.0021         0.0021         0.0021         0.0023         0.0048         0.0011         0.474         0         0         0         0.003         0.0011         0.474         0         0         0.003         0.0021         0.0024         0.0011         0.474         0.003         0.0031         0.0044         0.003         0.003         0.0031         0.0024         0.0021         0.0031         0.003         0.0024 <td< td=""><td>manager and the second second</td><td></td><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td>10</td><td>14</td><td>15 Nov 2024</td></td<>	manager and the second second		-			-							10	14	15 Nov 2024
04 Aug 2024         0.25         0.4         0.284         0.0017         0.0019         0.0048         0.0054         1         1           17 Aug 2024         0.20         0.5         0.311         0.0017         0.0021         0.0046         0.0054         1         1         1         0.0022         0.0017         0.0056         1         1         1         0.0022         0.0017         0.0021         0.0047         0.0056         1         1         1         0.0022         0.0022         0.0017         0.0015         0.523         0.0066         0         0.0015         0.523         0.0066         0         0.0015         0.523         0.0066         0.0015         0.523         0.0066         0         0.0013         0.488         0.0025         0.0024         0.0024         0.0024         0.0024         0.0024         0.0025         0.0014         0.0064         0.0014         0.0044         0.0014         0.0044         0.0014         0.0044         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014         0.0014				-									10		22 Nov 2024
09.ug 2024       0.20       0.5       0.311       0.0017       0.0021       0.0047       0.0056       Image: constraint of the second sec		200		-			2.272						10		22 Nov 2024
17 Aug 2024       0.20       0.6       0.765       0.0019       0.0022       0.0044       0.002       0.001       0.474         24 Aug 2024       0.34       1.1       0.002       0.0019       0.0020       0.0062       0.001       0.474         30 Aug 2024       0.19       0.9       0.033       0.667       0.0019       0.0024       0.0060       0.0015       0.923       0.066         30 Aug 2024       0.19       0.9       0.033       0.667       0.0019       0.0024       0.0003       0.0667       0.0014       0.512       0.003         15 Sep 2024       0.00       0.030       0.398       0.0020       0.0022       0.0037       0.6014       0.004       0.004         21 Sep 2024       0.85       1.4       0.861       0.0022       0.0046       0.0016       0.810       0.004         10 GO 2024       1.16       1.6       0.211       0.0021       0.0024       0.0045       0.004       0.001       0.004       0.001       0.004       0.001       0.0021       0.021       0.810       0.001       0.0021       0.021       0.810       0.001       0.0021       0.021       0.633       0.006       0.0015       0.001       0.	-	and the second								-			18		30 Nov 2024
24 Aug 2024         0.34         1.1         0.802         0.0019         0.0030         0.0062         0.0080         0.0011         0.523         0.0065           30 Aug 2024         0.19         0.9         0.033         0.607         0.0019         0.0024         0.0084         0.0013         0.512         0.003           07 Sep 2024         1.1         0.566         0.0025         0.0033         0.007         0.0014         0.512         0.003           15 Sep 2024         0         0.00         0.599         0.0020         0.0024         0.0005         0.004         0.0014         0.512         0.0014           21 Sep 2024         0.20         1.0         0.000         0.599         0.0020         0.0024         0.0005         0.0044         0.0044           21 Sep 2024         0.85         1.4         0.861         0.0022         0.0045         0.0046         0.0044         0.0044           10 Cd 2024         1.21         1.7         0.626         0.0021         0.0031         0.0060         0.0011         0.633         0.0066           11 Cd 2024         1.31         0.073         0.0024         0.0071         0.0033         0.001         0.0031         0.001	-									0.0011	0.474		18	3201	30 Nov 2024
30 Aug 2024         0.19         0.9         0.033         0.607         0.0019         0.0024         0.0088         0.0097         0.011         0.512         0.003           07 Sep 2024         1.1         0.568         0.0025         0.0033         0.468         0.003           15 Sep 2024         0.0         0.030         0.396         0.0020         0.0024         0.0065         0.001           21 Sep 2024         0.20         1.0         0.030         0.396         0.0020         0.0024         0.0066         0.001         0.004           25 Sep 2024         0.85         1.4         0.861         0.0022         0.0024         0.0066         0.001         0.004           25 Sep 2024         0.85         1.4         0.861         0.0022         0.0024         0.0046         0.004           06 Oct 2024         1.16         1.6         0.211         0.0021         0.0021         0.0040         0.001         0.003           11 Oct 2024         1.21         1.7         0.260         0.0023         0.0021         0.0031         0.004         0.003           01 Hov 2024         2.75         3.8         0.052         0.0026         0.0075         0.003 <td< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.006</td><td>18</td><td></td><td></td></td<>	-											0.006	18		
07 Sep 2024       1.1       0.568       0.0025       0.0094       0.0013       0.468       0.003         15 Sep 2024       0.20       1.0       0.005       0.0024       0.0055       0.0014       0.0044         21 Sep 2024       0.20       1.0       0.000       0.989       0.0022       0.0024       0.0016       0.0044       0.0044         08 Sep 2024       0.85       1.4       0.861       0.0022       0.0024       0.0064       0.0016       0.0014       0.0044         06 Oct 2024       1.16       1.6       0.021       0.0024       0.0046       0.001       0.0021       0.001       0.0021       0.001       0.0021       0.001       0.0021       0.001       0.0021       0.0031       0.0021       0.0021       0.001       0.0021       0.0021       0.0021       0.0021       0.0021       0.0021 <td< td=""><td></td><td></td><td></td><td>0.033</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11</td><td></td><td></td></td<>				0.033	-								11		
21 Sep 2024         0.20         1.0         0.000         0.398         0.0020         0.0067         0.0014         0.004           29 Sep 2024         0.85         1.4         0.661         0.0022         0.0026         0.0046         0.0015         0.810         0.004           06 Oct 2024         1.15         1.6         0.211         0.0021         0.0024         0.0045         0.0046             11 Oct 2024         1.21         1.7         0.260         0.0021         0.0022         0.0048               0.633         0.004               0.633         0.005         0.0021         0.0048               0.633         0.005         0.001         0.0021         0.0033                 0.001         0.0021         0.0033 </td <td></td> <td>11</td> <td></td> <td></td>													11		
29 Sep 2024         0.85         1.4         0.861         0.0022         0.0026         0.0046         0.0001         0.810         0.0044           66 Oct 2024         1.16         1.6         0.211         0.0021         0.0024         0.0045         0.0046	15 Sep 2024				0.069				0.0005	-			18		Sec. Co
29 Sep 2024       0.85       1.4       0.861       0.0022       0.0026       0.0046       0.0015       0.810       0.0044         06 Oct 2024       1.16       1.6       0.211       0.0021       0.0021       0.0045       0.0046           11 Oct 2024       1.21       1.7       0.660       0.0021       0.0022       0.0043       0.0046           13 Oct 2024       0.811       1.3       0.073       0.711       0.0023       0.0021       0.0031       0.001       0.003              0.633       0.006              0.633       0.006              0.633       0.006                  0.001       0.003                                  <	21 Sep 2024	0.20	1.0	0.030	0.398	0.0020	0.0024	0.0082	0.0087	0.0014		0.004	18		
11 Oct 2024       1 21       1.7       0.260       0.0021       0.0022       0.0048       0.0048       0.001       0.0048         18 Oct 2024       0.81       1.3       0.073       0.711       0.0028       0.0037       0.0051       0.0021       0.633       0.0061         25 Oct 2024       3.57       4.5       0.056       0.0023       0.0024       0.0071       0.0083       0.001         01 Hov 2024       2.75       3.8       0.252       0.0025       0.0075       0.0083       0.001         05 Hov 2024       1.77       2.5       0.164       0.0026       0.0075       0.001       0.0015       0.666       0.003         15 Hov 2024       2.257       0.655       0.0026       0.0017       0.0089       0.0017       0.717       0.003         15 Hov 2024       1.69       2.3       0.870       0.0026       0.0017       0.0089       0.0017       0.717       0.003         12 Hov 2024       1.76		0.85	1.4		0.861	0.0022	0.0026	0.0048	0.0060	0.0015	0.810	0.004	18		
18 Oct 2024         0.81         1.3         0.073         0.711         0.0028         0.0051         0.0051         0.002         0.633         0.008           25 Oct 2024         3.57         4.5         0.036         0.900         0.0023         0.0024         0.0071         0.0083         Image: Constraint of the constraint o	06 Oct 2024	1.16	1.6		0.211	0.0021	0.0024	0.0045	0.0046				18		alle and
25 Oct 2024         3 57         4 5         0.036         0.390         0.0023         0.0021         0.0011         0.0083         Image: constraint of the state of the sta	11 Oct 2024	1.21	1.7		0.260	0.0021	0.0022	0.0043	0.0048		-		10		
01 Nov 2024         2.75         3.8         0.252         0.0023         0.0075         0.0083         Image: constraint of the state of th	18 Oct 2024	0.81	1.3	0.073	0.711	0.0028	0.0032	0.0037	0.0051	0.0021	0.633	0.008			ALC: NO
08 Nov 2024         1.77         2.5         0.164         0.0028         0.0066         0.0075         Image: Constraint of the state of th	25 Oct 2024	3.57	4.5	0.036	0.390	0.0023	0.0024	0.0071	0.0083		-			EXA P	and the second
15 Nov 2024         2.35         3.2         0.655         0.0026         0.0037         0.0000         0.0092         0.015         0.666         0.003           15 Nov 2024         2.57   <	01 Nov 2024	2.75	3.8		0.252	0.0023	0.0026	0.0075	0.0083						1962. 149
15 Nov 2024         2 57         0	08 Nov 2024	1.77	2.5		0.164	0.0026	0.0026	0.0066	0.0075					Current C	The A
15 Nov 2024         2 57         0	15 Nov 2024	2.35	3.2		0.655	0.0026	0.0037	0.0080	0.0092	0.0015	0.696	0.003	ſĬ.	a telta	Bearles 2
22 Nov 2024         1 69         2.3         0 870         0 0026         0 0040         0 0072         0 0089         0 0017         0 717         0 003           22 Nov 2024         1.78	15 Nov 2024													100	Then all
Z2 Nov 2024         1.78         0         0.0024         0.0057         0.0061           30 Nov 2024         3.05         4.0         0.0024         0.0057         0.0061         0	22 Nov 2024		2.3		0.870	0.0026	0.0040	0.0072	0.0089	0.0017	0.717	0.003		- Action	
30 Nov 2024 3.05 4.0 0.0024 0.0025 0.0057 0.0061	000000000	24 50 50	-				1				-				CHAR C
	30 Nov 2024		4.0			0.0024	0.0025	0.0057	0.0061				11	1	a lot of the
30 Nov 2024 5.68	30 Nov 2024												4		

	Nitrite + Nitrate as N	CN-	N	AI (F)	AI	As (F)	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ni	Ag (F)	Ag	Zn (F)	Zn
Date	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
13 Jul 2024	0.24		0.7		0.601	0.0016	0.0020	0.0070	0.0079		0.0014	0.459			-	-		0.003
19 Jul 2024	0.38		0.7		0.227	0.0016	0.0019	0.0060	0.0061									0.00
09 Aug 2024	0.89		1.6		0.110	0.0018	0.0020	0.0122	0.0128		0.0011							
17 Aug 2024	0.63		2.1		2.69	0.0016	0.0031	0.0124	0.0178		0.0047	3.17	0.0019	0.0086				0.01
24 Aug 2024	0.24		0.9		1.42	0.0016	0.0020	0.0103	0.0134		0.0026	1.85						0.00
30 Aug 2024			0.5	0.031	1.37	0.0024	0.0032	8600.0	0.0122		0.0028	1.63						0.00
07 Sep 2024	0.78		2.3	0.033	5.31	0.0016	0.0037	0.0080	0.0174	0.0011	0.0083	7.09	0.0037	0.0187				0.02
15 Sep 2024	6.12	0.028	9.2	0.028	1.03	0.0022	0.0026	0.0071	0.0090	0.0058	0.0136	0.978			0.00003	0.00004		0.00
28 Sep 2024	0.84		1.3		0.508	0.0039	0.0041	0.0067	0.0075	0.0011	0.0016	0.503						0.0
06 Oct 2024	1.09		1.7		0.774	0.0017	0.0019	0.0058	0.0069	0.0012	0.0019	0.761					0.003	0.00
11 Oct 2024	1.88		2.5	-	0.105	0.0015	0.0015	0.0061	0.0065	0.0012	0.0014						0.003	0.0
18 Oct 2024	6.15		7.8	0.034	13.0	0.0025	0.0067	0.0095	0.0300	0.0014	0.0182	15.7	0.0085	0.0462				0.0
25 Oct 2024	9.11		12.4	0.049	0.489	0.0041	0.0044	0.0203	0.0232		0.0017	0.349						0.0
01 Nov 2024	7.06		8.8	0.042	0.178	0.0041	0.0044	0.0232	0.0246		0.0014							
08 Nov 2024	13.6		18.3	0.028	0.638	0.0046	0.0047	0.0210	0.0232		0.0018	0.648						
15 Nov 2024	5.97		7.9	0.028	0.237	0.0027	0.0027	0.0124	0.0133		0.0013							
15 Nov 2024	12.4						-											
22 Nov 2024	3.17		4.8	0.036	0.258	0.0026	0.0028	0.0090	0.0098		0.0011					()		
22 Nov 2024	8.28																	
30 Nov 2024	6.33		8.0			0.0030	0.0030	0.0036	0.0037	0.0011								
30 Nov 2024	6.49																	













	EPL102													
		Р	Nitrite + Nitrate as N	N	AI	As (F)	As	Cr	Cu (F)	Cu	Fe	Pb	Zn (F)	Zn
	Date	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
	13 Jul 2024	0.04			0.86	-	0.0009	0.0015			1			0.003
	19 Jul 2024	0.06	0.03		0.687		0.0010	0.0013			0.964			0.003
	28 Jul 2024	0.06			0.778			0.0016			0.765	1		0.003
	04 Aug 2024	0.05	0.14	0.3	0.283			0.0008						0.003
	09 Aug 2024	0.06	0.04		1.10		0.0009	0.0020		0.0016	1.32	-		0.004
	17 Aug 2024	0.06			0.840			0.0018	0.0012	0.0101	0.992			0.006
	24 Aug 2024	0.03		0.3	1.43		0.0011	0.0047	0.0070	0.0626	2.03	0.0011		0.011
	30 Aug 2024	0.13		0.3	0.577			0.0021		0.0045	0.626			0.007
	07 Sep 2024	0.03	0.02		0.067			0.0003	0.0053	0.0263		_		0.006
	15 Sep 2024	0.08			0.951	0.0011	0.0014	0.0021	0.0070	0.0584	1.35			0.004
	21 Sep 2024	0.05			0.054			0.0006	0.0016	0.0056			0.004	0.008
	29 Sep 2024	0.15			0.255			0.0022	0.0021	0.0048			0.008	0.008
	06 Oct 2024	0.04			0.350			0.0014	0.0061	0.0326	0.565			0.005
the start of the second s	11 Oct 2024	0.04	0.02		0.684			0.0015	0.0099	0.0851	0.767	1		0.004
	18 Oct 2024	0.06			0.047				0.0032	0.0141			0.003	0.006
	25 Oct 2024		0.03		0.263			0.0005	0.0012	0.0118	0.375			
<b>0</b>	01 Nov 2024	0.05	0.60	0.8	0.128			0.0007	0.0012	0.0031			0.003	0.003
	08 Nov 2024	0.03	0.16		0.130			0.0002		0.0087				
	15 Nov 2024	0.03			0.032					0.0058				
	15 Nov 2024		0.762							1				
	22 Nov 2024				0.029					0.0035			0	
	30 Nov 2024	0.03												
	30 Nov 2024		0.018											
	10 10	1200	開始になったない	R.C.	R	No. 380	A 45	No. of Street	168		they.	12.3		and the second
		E .	and the strength of	hen		Pet 2					1. 4 10		San a	70
				Ebelin			TOUR C				1915 - 1919	See.	学習	Stares!
		3	rija ana de	10- 34	In the second			营业人		24	ST. CALLER	+ A		
	1 Harrison	*		ALC: N	T.L.			金彩	1 All			and the	1.265	2. 1
				4 1 1			a and				-	S. CA		N. C. A
				ALC: NO			Real			· 100		A CALLER		Last
			A JYTA	Combene Ri	Nex	SA PE			NE"	立地			a state	Sec.
			and the	In the second	1	5				Sid-				- A
		the state	Str. Contraction	a serie alle		C. Carlos	17	Alle.	R. A.M.	New .	1			
	W.		Store Bas	Nine A			Sno	- In			1	And the second		1
Martin Constant Street Street	ş	3 2	1 3 1 1 1 1 1 1		Star Star		ymy	dumb		-par		THE REAL PROPERTY	1	
	1. 18 D. 3.	1	SEE 200	80 1035	20		Mou			133	C A TA		ALL AR	





		EPL30	ar						Rd			1.2		×
		S. L	N	litrite + Nitrate	e as N	N	AI (F)	AI	Cr (F)	Cr	Cu	Fe	Ag	Zn
	E.E.	Date		mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Quan	P23	16 Jun 2	024	0.04		0.3	0.061	0.909	0.0002	0.0014	0.0011	0.897	0.00004	0.005
		22 Jul 20	024	0.07			0.048							
		13 Sep 2	024					0.163		0.0003				
State 2 State 2 State	OW	ouerof 05 Oct 2	024	0.12		0.3								
	and Do age the	<sup>T</sup> antang		-							- Pier			
	•													
		X												
	EPL31	analoga of the second	100000	-1-24004	1000000	BANASIST CO			100 W 100		04020646	COLUMN TO A LOCAL DE	×	
	-	Nitrite + Nitrate as N	N	AI (F)	AI	Cr (F)	Cr	Cu	Fe	Ag (F)	Ag	Zn		r Hall
	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	1034	2
	16 Jun 2024		0.3	0.063	0.641	0.0002	0.0011	0.0022	0.644	0.00023	0.00068	0.005		and and
	22 Jul 2024	0.02		0.066	<u>.</u>									
	13 Sep 2024				0.158		0.0003						1	
	THE R. L. W. L. W. S.	Carl Contract of Barris Add	1.000	SE PRODE VIE	6673		STATES.			Steel By			Ø	<b>美国</b> 外的
	C SS LAND						Basical							





EPL35								>	(								
	Nitrite + Nitrate as N	N	AI (F)	AI	Cr	Fe	Ag	Zn (F) Zn									
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L mg/L									
16 Jun 2024	0.02	0.3	0.040	0.341	0.0006	0.336	0.00007	0.004 0.005									Aunger Creek
22 Jul 2024	0.02								_	-							America
13 Sep 2024				0.125	0.0002				1000	-							
05 Oct 2024		0.3	0.031								An	ngar Cre					
			and the second														
		100	7	P - 3	1												
		*	7								Y						
		-	1	5							X						
			2	Z							X						
			~	2				4 <sup>0</sup>			A						
			~	52				and the second			J.	1					
			~	- mar	· · · · · · · · · · · · · · · · · · ·	EPL34	1200	Bangel	1 AN		J.	1	AND			×	
			To and the	- Lan		EPL34		itrite + Nitrate as N	A MAR	AI (F)	AI	Cr	Fe	Ag	Zn (F)	X	
			The second	- marine		EPL34	N	- Gara	A MAR	AI (F) mg/L	J.	1.15		Ag mg/L	Zn (F) mg/L	-	
		in in Par	The state	and a			te N	itrite + Nitrate as N	N		AI	Cr	Fe	mg/L	mg/L	Zn	
		12	~ ~ ~	- man		Dat	100 Ni 100 Ni 2024	itrite + Nitrate as N	N mg/L	mg/L	AI mg/L	Cr mg/L	Fe mg/L	mg/L	mg/L	Zn mg/L	
		いろう	1 1 2	The way		Dat 16 Jun	Ni te 2024 2024	itrite + Nitrate as N mg/L	N mg/L	mg/L	AI mg/L	Cr mg/L	Fe mg/L	mg/L	mg/L	Zn mg/L	
			2. 2. 2	the way		Dat 16 Jun 22 Jul 2	Ni te 2024 2024 2024 2024 2024	itrite + Nitrate as N mg/L 0.02	N mg/L 0.3	mg/L	Al mg/L 0.460	Cr mg/L 0.0008	Fe mg/L	mg/L	mg/L	Zn mg/L	
			2. 2. 2	the way	3	Dat 16 Jun 22 Jul 2 13 Sep	Ni te 2024 2024 2024 2024 2024	itrite + Nitrate as N mg/L 0.02	N mg/L 0.3 0.3	mg/L 0.041	Al mg/L 0.460	Cr mg/L 0.0008	Fe mg/L	mg/L	mg/L	Zn mg/L	





EPL32	A CONTRACTOR OF			×	(		- Edge Aller					Margan -			
100	Nitrite + Nitrate	as N N	A AI	Fe					2			12			
Da	ate mg/L	mg	g/L mg/L	mg/L			CONTRACTOR OF THE						14.615.65	and the second	
28 Ju	0.05	0.	4					the second	Pc EPL29				×	A Parts	
30 Ju	0.06	0.	4 0.288	0.305			1 - a the second	1	D.t.	Nitrite + Nitrate as	28. 26	Al	Fe	ALCON AL	-2
27 Au	g 2024		0.207				The sale of the	1	Date 30 Jul 2024	mg/L	mg/L 0.4	mg/L	mg/L		
24 Sej	p 2024 0.02		0.143		Print Party		eRd		22	0.10	0.4	0.341	0.358		
16 Oc	t 2024 0.03		0.245				ado	A SPA	27 Aug 2024			1000000000			
26 No	v 2024 0.018		0.087				Stat		24 Sep 2024	0.03		0.128	-		122
26 No	v 2024 0.02				Statement of the	Mur	Not 1		16 Oct 2024 26 Nov 2024	0.03	0.4	0.250	0.327	p	
	NA CART	12 de	5-2-1		The second second	uni			26 Nov 2024		0.4	0.140	0.327	all a	
			- and	- alter	The second	gbidg		_	201101 2024	0.02		14 m	-		
PL46			N.C. Barris	×		Imbidgee Riv	45 1 1 1					- mel			
	Nitrite + Nitrate as N	N	AI F			No.			4-2-1-2-7	1 And	San and	de la			
Date	mg/L	mg/L I	mg/L mg	J/L			T AN ALVE	100		44.00					
8 Jun 2024	0.04	0.4		P	3.4		Contraction of the second			EPL33					×
30 Jul 2024	0.04	0.4 0	0.186						A CAR	Ni	trite + Nitrat	e as N	N AI	Ag	Zn (F)
7 Aug 2024	0.02		0.757 0.8	63	THE REAL		10 10 10 10 10 10 10 10 10 10 10 10 10 1		Scher	Date	mg/L	m	g/L mg/	L mg/L	mg/L
4 Sep 2024	0.02		0.127			Martin		all all all	2 de la	16 Jun 2024	0.02	(	.4 0.07	8 0.00011	
6 Oct 2024	0.06	0.4 (	0.250			de l	CONTRACTOR OF THE		e Ad	22 Jul 2024	0.02				
6 Nov 2024	0.02		0.204	1		Tantangana <sub>N</sub>	·新聞的 ···································	114		12 Aug 2024	0.03				
6 Nov 2024	0.025					tang	Lis and a start	Martin	antangara Rd	13 Sep 2024			0.14	2	
212 - W	Read States in	and the state	1			Ta			a Rd	05 Oct 2024	0.02	0	.4		0.025
and the			· 1 ·			A Print Co				02 Nov 2024	0.02			_	
		B 12	10.1		K 1/		Second and	Acres			100 St. 10				
		0	Statter.		EPL51				×						
		uarr					s Nitrite + Nitrate as N	N	AI					E,	
					Date	cfu/100 mL	mg/L	mg/L	mg/L				ut Fu		
		y Trail-St	The second	ALL DA	30 Jul 2024		0.04	0.4	0.266	the is a lit		115	ons Hut Fire		
			ON STATE	1 .	27 Aug 2024	15	0.02		0.274		A VOLT		Pede		
		100 Addition	M20RC	theor	24 Sep 2024		0.02		0.106	a state					
				1	16 Oct 2024		0.05	0.4	0.252	Contration of the	1000	Dires is			
			0,0	A					COLUMN TWO IS NOT	2-8 ( mail of a long to be a lo					
					26 Nov 2024 26 Nov 2024		0.014		0.196			A Second			





							100 100			1		T. Aw	· ·	~		4	10 5	1		State!			
W YEAR T	A CARLES	11		in the	E	EPL67						×		EPL28			-		-				
and a set	4 a 24 2 4		-1;- i		5		Nitrite + Nitrate as N	Ν	AI (F)	AI	Cr	Fe		-	Thermotolerant C			20	-	AI (F)	AI	Cr	_
			The states	in man	in the	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		Da		L		g/L	mg/L	mg/L	mg/L	mg/L	ŝ,
				Concernes .	Sec. 1	16 Jun 2024				0.357				28 Jur	01804045		0.	02					
24 74 Cars	A. 200		and a	1	-	28 Jun 2024	0.04			0.177				30 Jul	2024		0.	02			0.335		
	Part C			1	114	27 Aug 2024	0.04	0.6	0.128	1.58	0.0020	1.08	-	27 Aug	2024 62		0.	04	0.8	0.145	1.66	0.0021	1
	State A		1000	1	and the second	22 Sep 2024				0.196			Contraction of the second	24 Sej	2024						0.310		
		5	my		11115	02 Nov 2024	0.03			0.127		-	Contraction of the	16 Oc	2024 11						0.160		
			1			16 Nov 2024				0.152		-	17	26 No	2024				0.5		0.169		
					100	16 Nov 2024	0.156			0.102		-	m.	26 No	2024		0.	03					
		20	100	Car and	1.5 2	23 Nov 2024	0.130		-	0.235		0.315	CONTRACTOR OF THE REAL				147	· Ris	· · · · · · · · · · · · · · · · · · ·	1.34	153	SE A	C
	1 20	1 Jan Star	Street &		1000	23 Nov 2024	0.018		-	0.233		0.313		100		1		管理	and the	and a start			
		1.55	1		Film.	23 100 2024	0.018	16. N 30		10				EPL66		Par.		Sec. 4	×	386			
Notes Style	and and		<b>H</b> ERON	1. 1. 1.	S. Ser	100 - 60			1 4 4 C	100	1	1200	NAME AND ADDRESS OF THE REAL	E1 200	Nitrite + Nitrate as N	N	AI (F)	AI	Fe	14012	a state of		
No. of the	- A	1		and the		and and			1. 72ª		1	1		Date	mg/L	mg/L	mg/L	mg/L	mg/L	224	100	Circle 1	
	-32 - 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.00	Salt	Sec. 1	and a	At a set		17		6.	NO BE		16 Jun 20		0.5	ing/c	0.071	.ingre	-	- 18	3	
EPL40						×	and the second		120		A STATE	1.1	all alter	27 Jul 20	100000	0.5	0.092	0.545		- al ar		Clear A	
	Nitrite + Nitrate		AI (F)	AI	Cr	Fe	ST ALL	A.	<b>a</b>	_		614.2-3	State Road			0.0	0.092	0.545	1.83	54	1000		
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		-		10	-	A.	The second	24 Aug 20						1 the			
28 Jun 2024	0.05			0.123		1		22	<u>/</u>	-10		de la	Contraction of the second	21 Sep 20		0.5	-	0.411	0.628	1			
30 Jul 2024				0.194			- CANER		MIC .	100	5.0			23 Oct 20		0.4	-	0.291	0.388	ant i	14		-
27 Aug 2024	0.08	0.7	0.151	1.62	0.0020	1.06				Sec.	Jan .			16 Nov 20		_	-	0.244	0.410	Sec. 3			h
24 Sep 2024				0.402		0.454	1. 2.48/	A.4.		Tue		1	CONTRACTOR OF	16 Nov 20	Constraints and the second sec					4	agente -		
13 Oct 2024				0.184			/// ×	No.		-	a the	1 m	A Participation of the	23 Nov 20	1.11 (1.11)			0.233	0.342	Contraction of the			
04 Nov 2024				0.205		5	5 10		A. 1			sel	a left	23 Nov 20	0.022					1.10	2.1.1	100	1
				1 1 1 1 1		515		A	10		23	and the	A Contraction			C	- der	1		E SALL		ANTA ST	See
		<b>治</b> 。指令		184	i de la come	2	1 1 1 2			0	122	MARKEN ST				EPL		* # X /			asper to	5 46	-
				14-14				16	Sec. 1		1	1	· · · · ·			CPL		Nitrito I N	Nitrate as N	N N	AI	Fe	~
正, 学, 学, 学			國合於	Max 24	-	* X			1 5020	2	No .	32 4	100				Date	10000 (20000 V)		mg/L	12002	-	_
EF	PL39						×	1				2. Sit	and the second s			And in case of the local division of the loc		m	ig/L		mg/L	mg/L	_
	Nitri	te + Nitrate as I	I N	AI (F)	AI	Cr	Fe			° (2	- +	estima					Jun 2024			0.5	0.333	0.343	
The state	Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		0 · ·	10	来 調教	0			1000	-	Jul 2024		.04	0.4	0.340	0.518	
1	6 Jun 2024				0.254		3		10.0	1 1	. 1				6	-	Jul 2024		.03		0.397	0.316	
2	8 Jun 2024				0.165		C MA	- Caller	min the	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	5.15	C. Salar			dia	-	Aug 2024	0.	.02	4	0.321	0.479	
					0.218	5	and the sea	in here	P Ster	No.	1 5.55		States and		1.80	-	Aug 2024			-	0.244		_
CONTRACTOR OF THE	30 Jul 2024		100	0.127	1.58	0.0021	1.08	1	1000	A SA RE	No.	Rent Contraction			and the second se		Sep 2024	0.	.04	4	0.288	0.405	
3		0.10	0.7			-	Contraction of the local diversion of the local diversion of the local diversion of the local diversion of the	12. 2.2	1 the	14 4 14		5	A CONTRACTOR OF THE OWNER		The second		Sep 2024				0.160		_
3 2	7 Aug 2024 2 Sep 2024	0.10	0.7		0.169		the second se		CALL NO. S.	23 all and		and and	Tantar	ngara Reservoir		16	Oct 2024		.04	0.4	0.267		_
3 2 2	7 Aug 2024 2 Sep 2024		0.7				Secol Production	1		1	the second second												6
3 2 22 11	7 Aug 2024 2 Sep 2024 6 Nov 2024	0.02	0.7		0.169			-	1		in the			iver	and the second	161	Nov 2024		026		0.257	0.401	
3 2 22 11 11	7 Aug 2024 2 Sep 2024 6 Nov 2024 6 Nov 2024	0.02	0.7		0.181		0.357	2.4	1.2		Qui			e River	-		Nov 2024 Nov 2024		026 .03		0.257	0.401	
3 2 22 10 11 11 2	7 Aug 2024 2 Sep 2024 6 Nov 2024 6 Nov 2024 3 Nov 2024	0.02 0.025 0.019	0.7				0.357	1.4	-Jack		Quarry			oidgee River	7	16 1		0.			0.257	0.401	
3 2 22 10 11 11 2	7 Aug 2024 2 Sep 2024 6 Nov 2024 6 Nov 2024	0.02	0.7		0.181		0.357	12.	· · · · · · · · · · · · · · · · · · ·		Quainy Trail		. Marin	umbidgee River	1	16 I 23 I	Nov 2024	0.	.03				
3 2 22 10 11 11 2	7 Aug 2024 2 Sep 2024 6 Nov 2024 6 Nov 2024 3 Nov 2024	0.02 0.025 0.019	0.7	part	0.181		0.357	1.2.	Total States		Quarry Trail-So			Aurrumbidgee River		16 1 23 1 23 1	Nov 2024 Nov 2024	0. 0. 0.1	.03			0.512	2





	Sec. 12							-				-4X	and a	Condit .	EPL68		Carlos and		8		All the second		and the second second	A A A A A A	1. (P.) (M	and the second s	×
的建筑的		and the second	The l			1. B.S.				34				10		P	Nitrite + Nitrate as N	N	AI (F)	AI	Cr	Cu (F)	Cu	Fe	Ag (F)	Zn (F)	Zn
		Star Work and				and the second		in the	i king		124		1.5	•	Date	mg/l	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				100				and the second		A		1			01 Jun 2024		0.74	0.7		0.745	0.0006	0.0033	0.0062	0.413			0.004
			at 1				and the second second		2	Per V	15,000	A and	1		09 Jun 2024		0.73	0.9		0.809	0.0006	0.0025	0.0090	0.466		0.003	0.006
建用的工作。							1			ALC: NO		14	10	-	16 Jun 2024		0.72	0.9		0.471	0.0004	0.0037	0.0062	1		0.003	0.005
the fact of the second						in	1			24		ALC: N		ALC: N	23 Jun 2024	0.03	0.74	0.9		0.811	0.0008	1.1.1	0.0043	0.438			0.005
						6/	a toral	.1.		ALC B	144	-		State of the	29 Jun 2024		0.71	0.7		0.850	0.0010	0.0026	0.0085	0.486			0.006
		A STATE OF A STATE OF A					See.		1. A		and the second		1	10000	06 Jul 2024	0.04	0.69	0.7		0.289	0.0004	0.0016	0.0046				0.003
					65/			Esta	188	1		71			13 Jul 2024		0.71	0.7	_	0.626	0.0013	0.0017	0.0056	0.344			0.004
					1			·	能是		1	- J		1000	21 Jul 2024	0.03	0.43	0.5	0.054	0.821	0.0012	0.0018	0.0058	0.545		-	0.004
			5				10.0	100	-		17	1853		A	27 Jul 2024		1.17	1.3		1.10	0.0015		0.0026	0.482	0.00004	·	0.005
		A LEWIS OF	18				"None		18 1			-	AND THE	A. S. S.	03 Aug 2024		1.19	1.4		1.66	0.0014		0.0047	0.668			0.005
						1 . L	E al			1000	-	1		and the	10 Aug 2024	0.03	1.40	1.6		1.02	0.0025	0.0025	0.0100	0.457			0.006
		margan ?				3-15	现金和			211	ALC: N				17 Aug 2024	0.03	1.09	1.3		0.827	0.0027	0.0048	0.0144	0.364			0.004
No Pro	1	V L					- 14-	See.	S Street	1		Sale -			24 Aug 2024		1.36	1.6		0.676	0.0018	0.0034	0.0127	0.313			0.007
EPL69	den 11	- C20	10.00				1000	191	A PARTY			10-20-01		×	31 Aug 2024	0.03	1.47	1.8		1.44	0.0040	0.0023	0.0127	0.810			0.008
LFLOS	р	Nitrite + Nitrate as N	N	AI (F)	AI	As	Cr (F)	Cr	Cu	Fe	Pb	Ni	Zn		07 Sep 2024		1.44	1.9		0.732	0.0017	0.0045	0.0092	0.335		0.004	0.006
Date	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		15 Sep 2024	0.13	1.39	1.7		0.845	0.0021	0.0037	0.0094	0.419		0.004	0.006
16 Jun 2024	0.04	0.12	0.3	0.057	2.09	ing/c	ing/c	0.0022	0.0036	1.58	0.0013	ingre .	0.006		21 Sep 2024	0.03	1.24	1.4		0.818	0.0016	0.0052	0.0110	0.366		0.003	0.005
29 Jun 2024	0.03	0.10		0.007	5.96	0.0020	0.0002	0.0075	0.0123	6.23		0.0122	0.017	. ·	28 Sep 2024	0.03	1.03	1.1		1.86	0.0032	0.0051	0.0155	0.941		0.003	0.006
27 Jul 2024	0.07	0.14		0.075	1.64	0.0020	0.0002	0.0019	0.0062	1.07	0.0012	0.0122	0.004	Tantangara	06 Oct 2024		1.15	1.2		1.04		0.0034	0.0052	0.565		0.004	0.004
24 Aug 2024		0.16	0.4		0.672			0.0007	0.0019	0.351		-	0.004	Reservoir	12 Oct 2024	0.03	1.24	1.5		1.30	0.0023	0.0034	0.0144	0.659		0.003	0.007
21 Sep 2024	0.04	0.47	0.7		0.667		-	0.0007	0.0013	0.344			0.003		19 Oct 2024		1.24	1.2		0.929	0.0014	0.0035	0.0074	0.413		0.003	0.005
28 Sep 2024	0.03	0.16	0.4	0.046	1.04		-	0.0010	0.0037	0.792	-		0.000		26 Oct 2024	0.03	1.85	2.0		0.287	0.0005	0.0062	0.0093			0.003	0.003
06 Oct 2024	0.05	0.16	0.4	0.040	0.054	-		0.0002	0.0007	0.702	-	-	0.004	Mark.	02 Nov 2024		0.84	1.0		0.454	0.0009	0.0045	0.0083			0.003	0.004
12 Oct 2024	0.06	0.17	0.3		0.943		-	0.0009	0.0014	0.579			0.003	1000	09 Nov 2024		1.36	1.4		0.948	0.0014	0.0049	0.0166	0.462		0.003	0.004
19 Oct 2024	0.04	0.16	0.0		1.34			0.0013	0.0022	0.864			0.005	A COMPANY	16 Nov 2024		0.96	1.2		0.244	0.0004	0.0092	0.0124			0.004	0.004
26 Oct 2024	0.04	0.16			0.579			0.0005	0.0014	0.004		-	0.003	1.000	16 Nov 2024		1.24							-		_	
02 Nov 2024	0.00	0.14			0.764			0.0008		0.442		-	0.003	12	23 Nov 2024		0.91	1.1		1.18	0.0009		0.0040	0.682			0.004
09 Nov 2024		0.15	0.4		0.579			0.0006	5.0010	0.116			0.000		23 Nov 2024		0.923										
16 Nov 2024	0.03	0.07	V.1		0.303			0.0004							29 Nov 2024	0.03	0.89	0.9				0.0027	0.0050				0.003
16 Nov 2024	0.00	0.168			0.000		-	0.0004			-	-			29 Nov 2024		0.930										v
23 Nov 2024	_	0.100		0.047	1.56			0.0014	0.0017	0.960	0.0011	-	0.003			× 4						18					
23 Nov 2024		0.13		0.047				3.0014	2.0011	0.000		-	0.000	Store and		and a	and a strand					5					
29 Nov 2024	0.03	0.118	-	1	-	-	-	0.0002					0.004	A COLORADO		X	1 St 198	1. 20			and a	1					
29 Nov 2024	0.00	0.12		-	-	-		0.0002					0.004	States and a						1	2/100						
201104 2024	Sec. 1			Shints 54	A STATE		51E 1	Sec. 11	100 B	Lotte-	STA	Talker !!	100	Charles and					1	CON ST							
		The second second	And Comme		1	¥			See T	1				-	123			Dian-									
				RANG	The second	0	800				The Carl				- Vin		STA										
	H H		and the second	SALES EL	Sec. 1	ALC: NO	5			196 2	CONTRACTOR OF	1000	Net State			No.		100	1000	the state	We by	-		TPT 1		2020	16 6.57





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EPL105		2 · · · · · · · · · · · · · · · · · · ·											/			A X MARINE	EPL70		2											×
	Ρ	Nitrite + Nitrate as N	N	AI	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ag (F)	Ag	Zn (F)	Zn	1255		Р	Nitrite + Nitrate as N	N	AI	Cr	Cu (F)	Cu	Fe	Pb	Ni (F)	Ni	Zn (F)	Zn
Date	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	10	Date	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
01 Jun 2024	0.12	1.23	1.4	2.23	0.0012	0.0002	0.0030		0.0076	2.83	0.0035		0.00116	0.004	0.013	100	01 Jun 2024	0.06	0.51	0.5	1.96	0.0010	-	0.0018	1.25	1.000				0.005
09 Jun 2024	0.03	1.47	1.8	3.06	0.0016	0.0002	0.0046		0.0110	3.86	0.0073			0.005	0.017	ALL I PERSON	09 Jun 2024	0.05	0.51	0.6	4.87	0.0035	0.0027	0.0162	3.26	0.0025				0.011
16 Jun 2024	0.04	1.96	2.3	0.593		0.0002	0.0011	0.0017	0.0036	0.506				0.008	0.010	TO ALL N	16 Jun 2024	0.26	0.55		1.83	0.0011	0.0018	0.0073	1.18	1				0.004
23 Jun 2024		2.09	2.7	1.26	0.0009	0.0003	0.0046	0.0025	0.0113	1.85	0.0034		0.00149	0.009	0.025	All States	23 Jun 2024	0.42	0.51	·	2.4	0.0020	0.0080	0.0252	1.65	0.0017				0.007
29 Jun 2024		1.52	1.6	0.918		0.0003	0.0021		0.0063	1.13	0.0020	_		0.004	0.008	10000000000	29 Jun 2024	0.04	0.49	0.5	5.43	0.0056	0.0262	0.187	4.15	0.0045	0.0118	0.0204		0.014
06 Jul 2024	0.03	1:39	1.6	0.788		_	0.0007		0.0016	0.474				0.004	0.005	<b>•</b> •••••••••••••••••••••••••••••••••••	06 Jul 2024	0.11	0.39		1.71	0.0013	0.0381	0.144	0.989			8800.0		0.004
13 Jul 2024		1.55	1.6	1.16		0.0002	0.0015		0.0043	1.24	0.0021	1.	0.00031	0.003	0.007	the lot of the second	13 Jul 2024	0.10	0.45	0.4	1.36	0.0014	0.0038	0.0134	0.821				0.003	0.005
21 Jul 2024		0.42	0.5	0.802			0.0012	0.0017	0.0045	0.654		0.00003		0.006	0.008	4.91. 1 0.00	21 Jul 2024	0.03	0.53	0.5	0.766	0.0004	0.0014	0.0040	0.308					0.003
27 Jul 2024	0.08	2.05	2.2	1.33	0.0009		0.0034	0.0026	0.0147	1.60	0.0030			0.008	0.014	A STATE OF THE STATE	27 Jul 2024	0.10	0.42	0.6	3.21	0.0036	0.0050	0.0223	2.05	0.0023				0.008
03 Aug 2024	0.05	3.43	3.8	1.28		0.0002	0.0044	0.0029	0.0168	1.61	0.0028			0.010	0.017		03 Aug 2024	0.13	0.46	0.7	2.58	0.0033	0.0029	0.0900	1.84	0.0020				0.008
10 Aug 2024	0.03	2.75	3.2	0.615		0.0002	0.0014	0.0013	0.0049	0.799	0.0013	0.00004		0.008	0.012	• 10 m 1	10 Aug 2024	0.09	0.48	0.7	1.32	0.0022	0.0080	0.0205	0.871					0.005
17 Aug 2024	0.04	0.77	0.8	1.04			0.0023	0.0033	0.0091	1.27	0.0019	0.00004		0.009	0.016	a bar and	17 Aug 2024	0.13	0.40	0.8	2.33	0.0041	0.0377	0.0860	1.56	0.0017		0.0108		0.007
24 Aug 2024	0.36	2.37	3.1	1.35	0.0009	0.0002	0.0047	0.0021	0.0154	1.91	0.0034	0.00003	0.00204	0.012	0.019		24 Aug 2024	0.05	0.42	0.6	2.31	0.0038	0.0076	0.0286	1.57	0.0015			-	800.0
31 Aug 2024	0.10	2.10	2.5	1.54	0.0012	0.0002	0.0065	0.0035	0.0278	2.62	0.0048			0.011	0.019	-95	31 Aug 2024	0.08	0.51	0.6	2.56	0.0037	0.0179	0.100	1.88	0.0018				0.007
07 Sep 2024		2.20	2.5	1.54	0.0013		0.0030	0.0056	0.0155	2.43	0.0059			0.013	0.020	1 1 N	07 Sep 2024	0.08	0.36	0.6	3.40	0.0055	0.0534	0.124	2.39	0.0027				0.010
15 Sep 2024	0.16	2.19	2.2	0.283			0.0008	0.0024	0.0061	0.411				0.013	0.015	15 B	15 Sep 2024		0.36		1.32	0.0020	0.0349	0.0334	0.787					0.003
21 Sep 2024	0.08	2.14	2.4	0.191			0.0007	0.0028	0.0044					0.009	0.009	à	21 Sep 2024	0.06	0.48	0.5	0.856	0.0020	0.0125	0.0578	0.575					
28 Sep 2024		1.07	1.4	0.292			0.0008	0.0039	0.0142	0.401	1	0.00003		0.011	0.012	8	28 Sep 2024	0.03	0.51	0.5	1.16	0.0025	0.0129	0.0488	0.780		1	( )		0.003
06 Oct 2024		2.19	2.5	0.571		-	0.0022	0.0045	0.0087	0.917	0.0012	0.00006		0.013	0.014		06 Oct 2024		0.49	0.5	0.493	0.0004	0.0082	0.0134						
12 Oct 2024	0.06	2.18	2.6	0.275		-	0.0009	0.0015	0.0042	0.382				0.010	0.013		12 Oct 2024	0.24	0.35		0.982	0.0018	0.0243	0.0212	0.633					0.004
19 Oct 2024	0.03	1.64	2.1	0.701		-	0.0014	0.0031	0.0078	0.870	-		0.00051	0.013	0.016	ALC: NO	19 Oct 2024	0.07	0.40	0.6	1.14	0.0018	0.0295	0.0457	0.702		-			0.004
26 Oct 2024	0.06	2.17	2.4	0.200			0.0005	0.0046	0.0073				0.00010	0.012	0.013	THE REAL PROPERTY AND INCOME.	26 Oct 2024	0.05	0.47	0.6	0.470	0.0007	0.0920	0.129	0.318					
02 Nov 2024		1.98	2.6	0.430	1	0.0002	0.0011	0.0099	0.0154	0.638			0.00046	0.010	0.011	Same on the	02 Nov 2024		0.50	0.7	1.56	0.0031	0.0132	0.276	1.06	0.0012				0.004
09 Nov 2024	-	1.20	1.2	0.460			0.0013	0.0031	0.0136	0.703	0.0012		0.00254	0.006	0.007		09 Nov 2024		0.23		1.72	0.0029	0.160	0.262	1.14					0.005
16 Nov 2024		1.76	1.9	0.035	-	0.0002	0.0003	0.0016	0.0024				0.00004	0.006	0.005		16 Nov 2024	0.03	0.35	0.4	0.608	0.0010	0.178	0.218	0.399		-			
16 Nov 2024		1.80														2000	16 Nov 2024		0.556			-					1			
27 Nov 2024		2.14	2.6	0.054		0.0002	0.0004		0.0015		-		0.00003	0.039	0.040	THE REAL PROPERTY OF	23 Nov 2024		0.36	0.5	0.473	0.0009	0.0299	0.0997	0.304					
27 Nov 2024		2.55	-								-					A DECEMBER OF THE	23 Nov 2024		0.484											
29 Nov 2024		0.397	1.0			0.0002	0.0002	0.0021	0.0040		-			0.070	0.072	CHARLES LINE	29 Nov 2024	0.03	0.30	0.4			0.0215	0.0330			-		0.003	0.004
29 Nov 2024	-	0.87								-							29 Nov 2024		0.505					-						
ALC: NO.	8 hells	ALL RADIAL ST	ALC: NO	Sec. 1	A	S-COLUMN	102.02	Constant of the second	a Valan	and the second	Strand L	10	S and set	219-51	No. of Concession, Name	-	the second		A ALCONOMIC	10.00	- A Maria	0.000	Mary A	100	Sec.		100	No.	Stores 1	Constraints.
	1				The second		(a)	3		1000		Ser.	Tar	-	and the second				•	- Selana	1	- 75			-	1 st	1			





2				ALC: N	-	Con Table	14 No.		1		and to	and an	MARCE R		Sec. 4	15	10.50	1	1		1		1							
103	-						1.							-	×	Ψ.			1.10		-	2-		in the second					and the	
	P	Nitrite + Nitrate as N	N	AI	As (F		Cr (	-	Cu (F)	Cu	Fe	Pb	Zn (F)	Zn		2.6		aller	-4			-	- Las	12.04						A C
Date	mg/l	mg/L	mg/L	mg/L	-	L mg/L	mg		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	2 1	2							San Mill							
1 Jun 2024	0.06	0.68	0.7	0.475		-	-	0.0010		-	0.461	0.0053		0.005								6	1							
9 Jun 2024		0.67	0.7	0.186		-	-	0.0004	-		-	0.0012		0.005		22	Carton Million	8			1	A		<b>第</b> 15					Sale	
16 Jun 2024	Constant.	0.69	0.9	0.059			-	_	0.0030	0.0046	-		0.004	0.005	1000	100						the state	6	6				15. 2. 2	CAN LA	Signa -
23 Jun 2024	0.06	0.71	0.9	0.078		-	-	-								100	With and					22	-	101		A.				
29 Jun 2024	0.03	0.71	0.7	0.525			-	0.0007		0.0021	0.547	0.0105		0.005	and the						6	-		25		1			125003	
06 Jul 2024	0.03	0.69	0.7	0.234	-	_	-	0.0003	0.0011	0.0035	-	0.0043			A.	48	· · · · · · · · · · · · · · · · · · ·				5				12.1					
13 Jul 2024		0.73	0.7	0.095	-	_	-						_		EPL104		-													_
21 Jul 2024	0.04	0.63	0.6	0.188	-			0.0002		0.0011		0.0012		0.003		P	Nitrite + Nitrate as N	N	AI (F)	AI	As	Cr (F)	Cr	Cu (F)	Cu	Fe (F)	Fe	Pb	Ni	Ag
27 Jul 2024	0.06	1.25	1.6	2.24	0.000	4 0.0020	0.00	0.0119		0.0015	1.78	0.0034		0.011	Date	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
3 Aug 2024		0.75	8.0	1.20		_	-	0.0017		0.0043	1.14	0.0227		0.009	01 Jun 2024	0.06	0.23			2.12	0.0011		0.0018		0.0053		1.8	0.0058		
10 Aug 2024		0.71	0.9	0.224			-	0.0009				0.0050		0.004	09 Jun 2024	0.15	0.22			2.22	0.0015		0.0022	0.0022	0.0097		1.62	0.0062		
17 Aug 2024	0.03	0.65	0.8	0.320		_		0.0016	-	0.0017		0.0048			16 Jun 2024	0.07	0.21	0.3		2.58	0.0018		0.0023		0.0084		2.56	0.0088		
24 Aug 2024		0.70	8.0	0.682			-	0.0026		-	0.626	0.0109		0.005	23 Jun 2024	0.08	0.28	0.5		2.08	0.0012	0.0002	0.0019		0.0047		1.5	0.0055		
31 Aug 2024	0.04	0.63	8.0	0.535			-	0.0014		0.0046		0.0082	0.003	0.005	29 Jun 2024	0.07	0.22			1.85	0.0010		0.0021		0.0062		1.31	0.0044		
)7 Sep 2024		0.68	0.7	1.00			_		0.0031		0.796	0.0113		0.006	06 Jul 2024		0.22			0.908			0.0008		0.0017		0.559	0.0013		
5 Sep 2024	0.03	0.68	0.9	0.155		-	-	0.0007		0.0068		0.0018			13 Jul 2024		0.22			2.13	0.0015		0.0021		0.0071		1.75	0.0057		0.0000
1 Sep 2024	0.04	0.68	0.8	0.304		-	-	0.0007	1.		-	0.0030		_	21 Jul 2024	0.03	0.22	0.4	0.040	1.28			0.0012		0.0027		0.838	0.0017		
8 Sep 2024		0.66	8.0	0.376		-	-	0.0013	0.0039			0.0020			27 Jul 2024	0.21	0.15	0.4		2.77	0.0014		0.0035		0.0067		2.20	0.0068		
6 Oct 2024		0.73	0.9				-			0.0047					03 Aug 2024	0.13	0.18	0.3		1.77	0.0012		0.0030		0.0062		2.11	0.0085		
12 Oct 2024	0.04	0.69	0.9	0.196		_	_		0.0030	10000		0.0015			10 Aug 2024	0.06	0.21	0.3		1.75	0.0010	0.0002	0.0030		0.0062		1.64	0.0089		
19 Oct 2024	0.07	0.70	0.7	0.357		-	-		0.0051			0.0033			17 Aug 2024	0.05	0.15	0.4		1.82			0.0019		0.0084	-	1.11	0.0037		
6 Oct 2024	0.06	0.71	0.9	0.138		_		0.0004				0.0011		10000	24 Aug 2024	0.12	0.19	0.4	1	0.502	· · · · ·	0.0002	0.0008		0.0025		0.398	0.0011		
2 Nov 2024		0.08	0.3	0.223			_	0.0007		0.0062		0.0012		0.005	31 Aug 2024	0.10	0.18			3.51	0.0027		0.0040		0.0108		3.54	0.0134		
9 Nov 2024		0.52	0.5	0.181		_	_	0.0005				0.0019			07 Sep 2024	0.21	0.18	0.5		4.46	0.0031		0.0060		0.0125	-	4.49	0.0229		-
6 Nov 2024		0.72	0.8	0.404		-		0.0008	0.0050	0.0089	0.306	0.0042	_	0.003	15 Sep 2024	1.05	0.21	4.7	0.129	21.9	0.0046	0.0002	0.0282		0.0365	0.466	15.9	0.0465	8800.0	
16 Nov 2024		0.744				_	_	_	-				-		18 Sep 2024	-	0.19		0.037	1.34			0.0021		0.0038		1.15	0.0023		-
3 Nov 2024	0.03	0.71	0.9	-		-	-	_	0.0017	0.0048		-			21 Sep 2024	0.11	0.16	0.4	0.049	3.54	0.0010	0.0002	0.0037		0.0068		3.25	0.0053		(
3 Nov 2024		0.751					-	_				-			29 Sep 2024	0.20	0.13	0.6	0.188	6.80	0.0013	0.0002	0.0056		0.0097	0.389	4.74	0.0075		
9 Nov 2024	0.04	0.67	0.8		-	-	-	_	0.0024	0.0041	1	-			a 06 Oct 2024	0.06	0.09	0.3	-	0.953			0.0006		0.0014		0.602			
9 Nov 2024	1.7	0.707	-		This all	and the second second	-		Contraction of the	CAUSED IN	Concerns.	Concernant in the	A	CONTRACT OF	12 Oct 2024	0.20	0.10		0.057	1.90			0.0014		0.0028		1.31	0.0023		
The state						Ser Sec		37-54	1 - S	1	A.C.				19 Oct 2024	0.10	0.13	0.3	0.068	7.09	0.0017		0.0044		0.0067		4.47	0.0072		
1		5 1 0	- SACH	2 5	1	E ROLL				P. Tr			1	SALE C	26 Oct 2024	0.13	0.11	0.6	0.114	3.80			0.0022		0.0037		2.40	0.0043		
Salt		The address of	1		and a fear of	Trank	3.14	States /	1 to a los	A REAL	a fer a		- 9		02 Nov 2024	0.03	0.13	0.3	0.045	2.55			0.0018		0.0043		1.65	0.0030		
1.00		al and a						and a	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				51.1		09 Nov 2024		0.17			1.77			0.0014		0.0061		1.15	0.0038		
	-	1 2 6			1	C. William	AL DR	Carlon and							16 Nov 2024	0.03	0.21	0.3		0.409			0.0004	0.0012	0.0025					
		the states				2000		* batt	Cutton 2		Real Property lies	171			16 Nov 2024		0.246													
Aller of La	Sector.	No. Shire	151	the second	-48		and the		C.Ship	1	10				23 Nov 2024		0.133			0.447			0.0007		0.0025					
C. C.		Phy in the		1 2	101			No. Sec.		10	1. 2				23 Nov 2024		0.21													
A Sales			the state	1	1. 19			Ser Charles		1	1000	1			29 Nov 2024		0.18	0.3					0.0002							
															29 Nov 2024		0.203	-												





### **ROCK FOREST**

	A STAN	8 04	1ª						7									. 6		- into
ALL		Snowy 2.0 Rock Fo	rest Hu	b	12	124	3	1	at the s		2			-31	(a)		3	Alex		
		1		1	381		s.*	1	2.6 4	w ch	ountai		2				2252	the second		
	a star		A	and is	-14	100	2.	C.	11		n'ns,	my		-			S S		-	13
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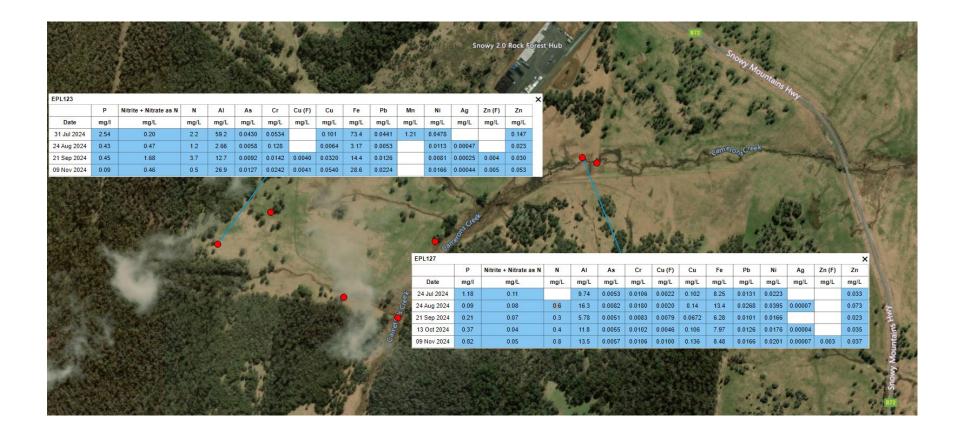




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4 Jul 2024	2.36	0.40			84.2	0.0205	0.0002	0.0687	0.223	71.2	0.102	1.58	0.0506	-		0.177		125	Sec.	100	11		in the	my			6 - 1	1.50	1.18	5
4 Aug 2024	0.15	0.42			7.09	0.118	0.0003	0.0125	0.0059	20.4	0.0200		0.0302	0.00013		0.138		101	20	10	1 au	5 9	14	4		17.1	5			5
1 Sep 2024	0.80	0.67	1.7	0.065	29.6	0.0338		0:0286	0.0533	38.1	0.0358		0.0218	0.00056		0.070	a garan	1	The.	- Part	12	New St	1		18	1.				3
3 Oct 2024	0.16	0.56	1.0		7.55	0.0088		0.0057	0.0125	6.97	0.0072			0.00009		0.019	2. 4	Ne.	19.51	1.10	196				1	100	1000			3
9 Nov 2024	0.48	0.65	0.8		14.5	0.0146		0.0112	0.0340	14.2	0.0179		0.0107	0.00021	0.004	0.040	all in	and No	**	1.00	1					4	100			3
8 8 110	0	Fr. S. Ma		AL AND	1000	100 M	-	10		2	1		ARC .	N.		t-Jeron,	67	1			Can	ions		normal second	and the second		and the	-		SE
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						13	1 de	The	-	-	-		E	PL126					2525											1 8
and the second		<b>新教教</b>	1111		· · ·					50	-	-	eet	17026454	Р	Nitrite + Nitrat		N	AI		Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ni	Ag	Zn (F)	Zn
			1.00	Sec.		· 10	-		+ 420			S.	CI	Date	mg/l	mg/L	r	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Ser .		A 180	1			-				6	and a	ALC: NO	24 Jul 202		Sector 1			Second Second	according to	0.0007			0.0424	26.9	100 C	0.0969		L	0.096
			9 84 1		100	and the			W.			Contraction of the	1000	4 Aug 202	-	0.46			1.11/1	0.0014				0.0080	7.28	1	0.0188			0.024
	-	100		Ser W.	1 .6						and a			1 Sep 202		0.43				0.0013					5.30		0.0161		0.003	
		1			a st	- The	2				1.1			3 Oct 202	-	0.43				0.0012	0.0013			0.0566	4.98		0.0131		0.003	
		1000		-	8	3 1	-	have		-	1. Mar		0	9 Nov 202	4 0.42	3.75		4.6	14.0	0.0027		0.0367	0.0106	0.139	12.8	0.0095	0.0312	0.00003	0.005	0.046
	and the second				342	Sec. in	3	100	-	e e	See Prove					port.	The Part			-	設置			1						184
			And A							2			The second			AN A	and the second									1				225
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501 405	100					11100			Mart .	# AS		Der Herst	1	計載: 道		the star						1.5		frank .	3			tait		5.3
EPL125	- T	P Nitrite	+ Nitrate as N	N	AI	As	Cr (F)	Cr	Cu (F)	Cu	Fe	Pb	Ni	4.0	Zn	A Sta	110		N.	No.	1.4.4	1.14	-		220	Since	2	500	Ser Contraction	
Date		mg/l												Ag mg/L	mg/L	ALL STREET			To the second			all.	En 1		A.	0	-	×.	22035	10
24 Jul 2		6.92	mg/L 0.06	mg/L	mg/L 7.31	mg/L 0.0055	mg/L	2020200	mg/L	mg/L 0.0093	mg/L 11.6	mg/L	mg/L	mg/L	0.038	State P		34	Contra P		100	a all the	5.4.2			State of the		3	5	308
24 Jul 2 24 Aug 2		0.34	0.06	0.7		0.0055		0.0154	_	0.0104	000202		0.0214	0.00005	0.038	The act in a	- 97 ·	26 2			11	1	5.0	3343		in a	25	ŝ	200	
24 MUG 2		0.13	0.08	0.7		0.0056		0.0030			1.53	0.0037	0.0211	0.00003	0.006	10000				220	10	1.	1200	· 00 120		1		10	and a second	and a
21 Con 2	2024	1000 B			1.57	0.0015		0.0050			3.36				0.008	1 Th 8		1.	-						1 4	5	132	2.00	1 mg	X
21 Sep 2	0.24																													
21 Sep 2 13 Oct 2 09 Nov 2		0.23	0.06	0.3		0.0027		0.0083	2120725	CODE CASE	E 20	0.0019	0.0424		0.017	2				26.30	1.5	1	100 2	1.40	100		6 4 B	4 the second	14 B	dan it











# **APPENDIX D – EPL SAMPLING POINTS SPECIFICATIONS**

## SURFACE WATER

SITE	EPL POINT	FRECUENCY
LobsHole	EPL 5	Monthly
LobsHole	EPL 6	Monthly
LobsHole	EPL 8	Monthly
LobsHole	EPL9	Monthly
LobsHole	EPL 12	Monthly
LobsHole	EPL 14	Monthly
LobsHole	EPL 15	Monthly
LobsHole	EPL16	Monthly
LobsHole	EPL 24	Monthly
Marica	EPL 26	Monthly
Marica	EPL 27	Monthly
Tantangara	EPL 30	Monthly
Tantangara	EPL 31	Monthly
Tantangara	EPL 33	Monthly
Tantangara	EPL 34	Monthly
Tantangara	EPL 35	Monthly
Rock Forest	EPL 36	Monthly
Rock Forest	EPL 37	Monthly
LobsHole	EPL 52	Monthly
LobsHole	EPL 53	Monthly
LobsHole	EPL 54	Monthly
LobsHole	EPL 55	Monthly
Tantangara	EPL 59*	Monthly
Tantangara	EPL 60*	Monthly
Tantangara	EPL 61*	Monthly
Tantangara	EPL 62*	Monthly
Tantangara	EPL 63*	Monthly
Tantangara	EPL 64*	Monthly
Tantangara	EPL 65*	Monthly





Tantangara	EPL 66	Monthly
Tantangara	EPL 67	Monthly
Marica	EPL 71	Monthly
Rock Forest	EPL 79*	Monthly
Rock Forest	EPL 77*	Monthly
Rock Forest	EPL 78*	Monthly
Rock Forest	EPL 79*	Monthly
LobsHole	EPL 84	Monthly
LobsHole	EPL 85	Monthly
LobsHole	EPL 86	Monthly

\* Not triggered yet

# **GROUND WATER**

SITE	EPL POINT	FRECUENCY
LobsHole	EPL 1	Quarterly
LobsHole	EPL 2	Quarterly
LobsHole	EPL 4	Quarterly
LobsHole	EPL 25	Quarterly
LobsHole	EPL 56	Monthly
LobsHole	EPL 57	Monthly
LobsHole	EPL 58	Monthly
Tantangara	EPL 68	Monthly
Tantangara	EPL 69	Monthly
Tantangara	EPL 70	Monthly
Marica	EPL 72	Monthly
Marica	EPL 73	Monthly
LobsHole	EPL 80	Monthly
LobsHole	EPL 81	Monthly
LobsHole	EPL 82	Monthly
LobsHole	EPL 83	Monthly
LosHole	EPL 87	Monthly
LobsHole	EPL 88	Monthly
LobsHole	EPL 89	Monthly
LobsHole	EPL 90	Monthly





LobsHole	EPL 91	Monthly
LobsHole	EPL 92	Monthly
LobsHole	EPL 93	Monthly
LobsHole	EPL 94	Monthly
LobsHole	EPL 95	Monthly
LobsHole	EPL 96	Monthly
LobsHole	EPL 97	Monthly





# **RESERVOIR WATER EPL SAMPLING POINTS**

SITE	EPL POINT	FRECUENCY
LobsHole	EPL 10	Monthly
LobsHole	EPL 11	Monthly
Tantangara	EPL 28	Monthly
Tantangara	EPL 29	Monthly
Tantangara	EPL 32	Monthly
Tantangara	EPL 38	Monthly
Tantangara	EPL 39	Monthly
Tantangara	EPL 40	Monthly
LobsHole	EPL 41*	Monthly
Tantangara	EPL 46	Monthly
Tantangara	EPL 50	Monthly
Tantangara	EPL 51*	Monthly

### \*Discharge points

## SURFACE WATER EPL WQO

ANALYTE	UNIT	WQO
рН	-	6.5-8
Electrical Conductivity	µS/cm	30-350
Oxidation Reduction Potential	mV	-
Temperature	°C	-
Dissolved Oxygen	%saturation	90-110
Turbidity	NTU	2-25
TSS	mg/L	-
Hardness as CaCO3	mg/L	-
Ammonia as N	µg/L	13
Nitrite+Nitrate as N (NOx)	µg/L	15
Kjeldahi Nitrogen Total	µg/L	-
Nitrogen (Total)	µg/L	250





Reactive Phosphorus	µg/L	15
Phosphorus (Total)	µg/L	20
Cyanide Total	µg/L	4
Oil and Grease	mg/L	5
Aluminium (dissolved)	µg/L	27
Aluminium (total)	µg/L	-
Arsenic (dissolved)	µg/L	0.8
Arsenic (total)	µg/L	-
Chorium Chromium (III+VI) (dissolved)	µg/L	0.01
Chromium (III+VI) (total)	µg/L	1
Copper (dissolved)	µg/L	1
Copper (total)	µg/L	-
Iron (dissolved)	µg/L	50
Iron (total)	µg/L	-
Lead (dissolved)	µg/L	1
Lead (total)	µg/L	-
Manganese (dissolved)	µg/L	1,200
Maganese (total)	µg/L	-
Nickel (dissolved)	µg/L	8
Nickel (total)	µg/L	-
Silver (dissolved)	µg/L	0.02
Silver (total)	µg/L	-
Zinc (dissolved)	µg/L	2.4
Zinc (total)	µg/L	-

# **GROUND WATER EPL WQO**

ANALYTE	UNIT	WQO
рН	-	6.5-8
Electrical Conductivity	μS/cm	30-350
Oxidation Reduction Potential	mV	-





Temperature	°C	-
Dissolved Oxygen	%saturation	-
Turbidity	NTU	-
TSS	mg/L	-
Hardness as CaCO3	mg/L	-
Ammonia as N	µg/L	13
Nitrite+Nitrate as N (NOx)	µg/L	15
Kjeldahi Nitrogen Total	µg/L	-
Nitrogen (Total)	µg/L	250
Reactive Phosphorus	µg/L	15
Phosphorus (Total)	µg/L	20
Cyanide Total	µg/L	4
Oil and Grease	mg/L	5
Aluminium (dissolved)	µg/L	27
Aluminium (total)	µg/L	-
Arsenic (dissolved)	µg/L	0.8
Arsenic (total)	µg/L	-
Chorium Chromium (III+VI) (dissolved)	µg/L	0.01
Chromium (III+VI) (total)	µg/L	1
Copper (dissolved)	µg/L	1
Copper (total)	µg/L	-
Iron (dissolved)	µg/L	50
Iron (total)	µg/L	-
Lead (dissolved)	µg/L	1
Lead (total)	µg/L	-
Manganese (dissolved)	µg/L	1,200
Maganese (total)	µg/L	-
Nickel (dissolved)	µg/L	8
Nickel (total)	µg/L	-
Silver (dissolved)	µg/L	0.02





Silver (total)	µg/L	-
Zinc (dissolved)	µg/L	2.4
Zinc (total)	µg/L	-

## **RESERVOIR WQO**

ANALYTE	UNIT	WQO
рН	-	6.5-8
Electrical Conductivity	μS/cm	20-30
Oxidation Reduction Potential	mV	-
Temperature	°C	-
Dissolved Oxygen	%saturation	90-110
Turbidity	NTU	1-20
TSS	mg/L	-
Hardness as CaCO3	mg/L	-
Ammonia as N	µg/L	10
Nitrite+Nitrate as N (NOx)	µg/L	10
Kjeldahi Nitrogen Total	µg/L	-
Nitrogen (Total)	µg/L	350
Reactive Phosphorus	µg/L	5
Phosphorus (Total)	µg/L	10
Cyanide Total	µg/L	7
Oil and Grease	mg/L	5
Aluminium (dissolved)	µg/L	55
Arsenic (dissolved)	µg/L	13
Chorium Chromium (III+VI) (dissolved)	µg/L	1
Copper (dissolved)	µg/L	14
Iron (dissolved)	µg/L	300
Lead (dissolved)	µg/L	3.4
Manganese (dissolved)	µg/L	1,900





Nickel (dissolved)	µg/L	11
Silver (dissolved)	µg/L	0.05
Zinc (dissolved)	µg/L	8
Faecal Coliforms	CFU/100mL	10/100^
Biochemical Oxygen Demand	mg/L	1/5^

# DISCHARGE POINTS WQO

ANALYTE	UNIT	WQO
рН	-	6.5-8.5
Electrical Conductivity	μS/cm	700(EPL41) / 200 (EPL50)
Oxidation Reduction Potential	mV	-
Temperature	°C	15
Dissolved Oxygen	%saturation	-
Turbidity	NTU	<25
TSS	mg/L	5/10
Hardness as CaCO3	mg/L	-
Ammonia as N	µg/L	200/2000^
Kjeldahi Nitrogen Total	µg/L	-
Nitrogen (Total)	µg/L	350/-^
Reactive Phosphorus	µg/L	100/300^
Phosphorus (Total)	µg/L	10
Cyanide Total	µg/L	2/5^
Oil and Grease	mg/L	5
Aluminium (dissolved)	µg/L	55
Arsenic (dissolved)	µg/L	13
Chorium Chromium (III+VI) (dissolved)	µg/L	1
Copper (dissolved)	µg/L	14
Iron (dissolved)	µg/L	300
Lead (dissolved)	μg/L	3.4





Manganese (dissolved)	µg/L	1,900
Nickel (dissolved)	µg/L	11
Silver (dissolved)	µg/L	0.05
Zinc (dissolved)	µg/L	8
Faecal Coliforms	CFU/100mL	10/100^
Biochemical Oxygen Demand	mg/L	5

Note: Treated water was not being discharged at Talbingo ot Tantangara Reservoirs at the time of EPL sampling. There is no 100th percentile limit for Nitrogen (Total).

- \* Water Quality Objective values Treated Water reference the predicted values for physical and chemical stressors from the treatment plant as presented in the Main Works EIS.
- 90 Percentile concentration limit/100 Percentile limit





### PARAMETERS AND SAMPLING METHODS

### **IN-SITU**

PARAMETER	FRECUENCY	EPL	SAMPLING METHOD
Dissolved Oxygen			
Elctrical Conductivity			
Oxidation Reduction Potential	MONTHLY		la situ
рН		56,57,58,68,69,70,72,73	In-situ
Temperature			
Turbidity			

PARAMETER	FRECUENCY	EPL	SAMPLING METHOD
Electrical conductivity		5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40, 41,50,51,52,53,54,55,59,60,61,62,63,64,65,66,67,71,76,77,78,79,80,81,82,8	
рН		3,84,85,86,87,88,89,90,91,92,93,94,95,96,97	
Oxidation Reduction Potential	MONTHLY		In situ
Temperature		5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40, 52,53,54,55,59,60,61,62,63,64,65,66,67,71,76,77,78,79	
Dissolved Oxygen		5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,	
Turbidity		52,53,54,55,59,60,61,62,63,64,65,66,67,71,76,77,78,79,84,85,86	

#### LABORATORY





PARAMETER	FRECUENCY	EPL	SAMPLING METHOD
Dissolved Oxygen	Quarterly		
Electrical conductivity	Quarterly		
Oxidation Reduction			
Potential	Quarterly		
Turbidity	Quarterly		
Aluminium (Dissolved)	Quarterly		
Copper (Dissolved)	Quarterly		
Iron (Dissolved	Quarterly	1,2,4,25	Grab Sample
Lead (Dissolved)	Quarterly		
Manganese (Dissolved)	Quarterly		
Nickel (Dissolved)	Quarterly		
Nitrogen (total)	Quarterly		
Silver (Dissolved)	Quarterly		
Zinc (Dissolved)	Quarterly		
Reactive Phosphorus	Quarterly		





PARAMETER	FRECUENCY	EPL	SAMPLING METHOD
Aluminium (Dissolved)	Monthly	5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38, 39,40,41,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,6 9,70,71,72,73,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93, 94,95,96,97	63,64,65,66,67,68,6 7,88,89,90,91,92,93, 2,33,34,35,36,37,38, 63,64,65,66,67,68,6 9,90,91,92,93,94,95, 68,69,70,72,73 2,33,34,35,36,37,38, 66,67,71,76,77,80,8 7
Copper (Dissolved)			
Iron (Dissolved)			
Lead (Dissolved)			
Manganese (Dissolved)			
Nickel (Dissolved)			
Nitrogen (Total)			
Reactive Phosphorus			
Silver (Dissolved)			
Zinc (Dissolved)			
Arsenic (Dissolved)		5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38, 39,40,41,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,6 9,70,71,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95, 96,97	
Chorium (Dissolved)			
Cydane (Total)			
Hardness (As calcium			
carbonate)			
Oil and grease			
Phosphorus (Total)			
Total Kjeldahi Nitrogen			
Total suspended solids			
Arsenic (Total)		52,53,54,55,,56,57,58,59,60,61,62,63,64,65,67,68,69,70	
Chorium (Total)			
Copper (Total)			
Lead (Total)			
Nickel (Total)			
Silver (Total)			
Iron (Total)			
Mangenese (Total)			
Zinc (Total)			
Aluminium (Total)		52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,72,73	
Ammonia		5,6,8,9,10,11,12,14,15,16,24,26,27,28,29,30,31,32,33,34,35,36,37,38, 39,40,41,50,51,52,53,54,55,59,60,61,62,63,64,65,66,67,71,76,77,80,8	
Oxidised nitrogen		1,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97	
Nitrate+Nitrite (Oxidised		36,37,52,53,54,55,59,60,61,62,63,664,65,66,67,71,76,77,78,79,80,81, 82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97	
nitrogen)			
BOD		10,11,28,41,50,51	
Faecal Coliforms			