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REPORT

QUARTERLY ENVIRONMENTAL WATER REPORT
SEPTEMBER 2025 – NOVEMBER 2025

S2-ENV-WA-GEN-REP-FGJV0140

REV B

JUNE 2026

This Report has been prepared to satisfy the reporting requirements in the Main Works – Water Management Plan (WMP) and to meet Condition of Approval (CoA) 31(c)(d) of the Infrastructure Approval Schedule which requires publicly available reporting of the outcomes of the WMP. The Report provides commentary on the performance of the monitoring programs as part of the WMP.

Revision Record

Rev.	Date	Reason for Issue	Responsible	Accountable	Endorsed
B	15.06.2026	Issued for information	D. Camacho	E. Porter	D. Drummond

Document Verification

RACIE Record

R responsible:	Name: Daniela Camacho Job Title: Water Environmental Officer Signed: Daniela Camacho Date: 15/06/2026
A ccountable:	Name: Ellen Porter Job Title: Environment Manager Signed: Signed by: E Porter 4EDE3A8C971F416... Date: 16 June 2026
C onsulted:	See distribution list on Page 3.
I nformed:	See distribution list on Page 3.
E ndorsed:	Name: Dave Drummond Job Title: QHSE Director Signed: Signed by: Dave Drummond 5374F7DA03A54C2... Date: 16 June 2026

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Date	Format (1)	Addressee / Job Title	Company	Location (2)
28.12.2025	EC	Ellen Porter / Environmental Manager	FGJV	Cooma

Informed Distribution List

Date	Format (1)	Addressee / Job Title	Company	Location (2)
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Revision Tracking

Rev.	Date	Description of Revision
A	28.12.2025	Issued for information
B	15.06.2026	Updated to include SHL Comments

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ABBREVIATIONS AND DEFINITIONS

Acronym	Definition
AWS	Automatic weather stations
BoM	Bureau of Meteorology
CoA	Condition of Approval
ECVT	Emergency Cable and Ventilation Tunnel
EPL	Environmental Protection Licence
FGJV	Future Generation Joint Venture
MAT	Main Access Tunnel
MDB	Murray Darling Basin
NEM	National Electricity Market
SHL	Snowy Hydro Limited
Snowy Scheme	Snowy Mountains Hydro-electric Scheme
SWMP	Surface Water Management Plan
TARP	Trigger Action Response Plan
TBM	Tunnel Boring Machine
WMP	Water Management Plan
WQO	Water Quality Objectives

1. INTRODUCTION

Snowy Hydro Limited (SHL) is constructing a pumped hydro-electric expansion of the Snowy Mountains Hydro-electric Scheme (Snowy Scheme), called Snowy 2.0. Snowy 2.0 will be built by the delivery of two projects: Exploratory Works and Snowy 2.0 Main Works (which is ongoing).

Snowy 2.0 is a pumped hydro-electric project that will link the existing Tantangara and Talbingo reservoirs through a series of new underground tunnels and a hydro-electric power station. Most of the project's facilities will be built underground, with approximately 27 kilometres of concrete-lined tunnels constructed to link the two reservoirs and a further 20 kilometres of tunnels required to support the facility. Intake and outlet structures will be built at both Tantangara and Talbingo Reservoirs.

Snowy 2.0 will increase the generation capacity of the Snowy Scheme by an additional 2,200 MW, and at full capacity will provide approximately 350,000 MWh of large-scale energy storage to the National Electricity Market (NEM). This will be enough to ensure the stability and reliability of the NEM, even during prolonged periods of adverse weather conditions.

Webuild, Clough, and Lane have formed the Future Generation Joint Venture (FGJV) and have been engaged to deliver both Stage 2 of Exploratory Works and Snowy 2.0 Main Works.

1.1. PURPOSE

This Environmental Water Report has been prepared to satisfy the reporting requirements in the Main Works – Water Management Plan (S2-FGJV-ENV-PLN-0010). This Environmental Water Report is intended to provide commentary on the performance of the monitoring programs as part of the WMP (identified in Table 1-1).

Table 1-1 Monitoring overview

Aspect	Objective
Surface Water Monitoring Program	
Routine receiving surface water quality monitoring	• Inform and assess the performance of management processes/measures that seek to minimise the Project's impact on surface water quality • Help determine source and extent of any water quality changes • Collect baseline data to characterise water quality and determine site specific values
Event based wet weather overtopping water quality monitoring	
Groundwater Monitoring Program	
Groundwater level monitoring	• Inform and assess the performance of management • Processes/measures that seek to minimise the Project's impact on regional and local (including alluvial) aquifers and GDEs
Groundwater quality monitoring	
Water extraction monitoring	• Inform and assess water consumption, site water balance and compliance with water access licences

2. OVERVIEW

2.1. Reporting Period

This Environmental Water Report covers the monitoring period from 1 September 2025 to 30 November 2025.

2.2. Construction Progress

Table 2-1 summarises the key construction activities which have been undertaken during the reporting period.

Table 2-1: Key Construction Activities

Location	Key Construction Activities
Lobs Hole	**ECVT / MAT Portal** • MAT Portal - Additional Platform for Ventilation Fan. • MAT01- MAT02 excavation analysis complete. Design 1b detailed in MT01E will be implemented to allow deliveries during civil works phase. • MAT01 -CT07 analysis for additional excavation complete. **Main Office** • Office expansion completed; Minor works needed. **Main Yard** • Lobs Hole Main Yard. Installations of the laboratory. Adjustments and extension of the laboratory. **GF01** • Submitted Scope of work for GF01 Remediation and requested SHL to issue an instruction to perform the addl. works related to GF01 Remediation under RAC. • Sump A and F13 enlargement and lining works have been completed. • GF01 remediation subcontractor has been onboarded and assessment for the Remediation Options Assessment have commenced. **Ravine Road** • Design of signage structures to be installed in Ravine Road. **Accommodation Camps** • Lobs Hole Main Camp Pad E, new access road and additional gymnasium extension. **Talbingo** • Transition C1 Invert slab CS02, CS03, CS04, CS05 completed. • Reinforcement installation for transition CS03 walls completed. • Temporary works ongoing for CS04 and CS05 walls. • Gate closure base slab 01,02,03 concrete and cooling strip completed. • Excavation in diffuser base slab DBS01 ongoing. • Assembly of formwork for Transition walls ongoing **Ravine Bay** • Sediment basin 2 completed. • Spoil placement ongoing from Intake and D&B tunnel. • SB2 and SB3 leachate basin lining complete.
Marica	• Marica USS J-Box and LED Strips Anchorage. • Marica USS N-Connex Module Anchorage. • Marica USS Electrical Cable Tray Installation - Up to 1118.5 AHD. • Marica HSS Concrete Conveying Pipes Extensions and Bracket Support Installations from RL 1133.8 to RL 1111.6 AHD. • Marica USS Flood Light Support Installation in RL 1135 AHD. • Completion of portal and cradle construction for TBM 4. • Assembly of TBM, shield and cutter head. • Installation of clay liner for TSE on Pad 3. • Dewatering plant staging area civil works complete.
Rock Forest	• PSE preparation works commenced within the Rock Forest PSE area.

Location	Key Construction Activities
Tantangara	• Continued spoil placement in Tantangara PSE. • Stage 1 completed at Tantangara PSE. • Fish screen geological investigation works commenced. • Tantangara roadwork maintenance and culvert expansions completed.

3. WEATHER CONDITIONS

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

- "Lobs Hole" - which is an Automated Weather Station managed by FGJV in Lobs Hole construction site.
- "Cabramurra" - an Automated Weather Station located near the lookout in the Cabramurra township managed by the Bureau of Meteorology
- "Tantangara" - an Automated Weather Station managed by FGJV in Tantangara construction site.

The Tantangara and Cabramurra gauges are in sub-alpine environments, with elevations of approximately 1220 m and 1475 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.

A summary of climate data for the ravine and plateau areas is provided in Table 3-1.

Table 3-1: Reporting Period Weather Conditions

Parameter	Lobs Hole[1]			Marica (Cabramurra)			Tantangara[2]		
	Sept	Oct	Nov	Sept	Oct	Nov	Sept	Oct	Nov
Temperature									
Mean maximum (°C)	21.4	28.9	28.9	13.6	20.6	21.1	17.6	25.2	26.2
Mean minimum (°C)	-1.4	0.4	-1.2	-3.0	-3.6	-2.9	-4.8	-2.8	-3.6
Rainfall									
Monthly	41.6	37.2	44.4	83.8	60.6	81.2	44.4	62.4	71.4
Long Term Average	76.65	82.95	107	125.48	144.96	157.4	83.8	82.36	119.16

1. Lobs Hole long term average rainfall is taken from the Tumbarumba weather station.
2. Tantangara long term average rainfall is taken from the Adaminaby Alpine Tourist Park weather station.

Rainfall across the project decreased during the initial reporting months, though Marica remained a localized outlier with high precipitation levels (225.6 mm quarterly total). In contrast, Lobs Hole and Tantangara experienced a more pronounced dry spell during September and October. Thermal data indicates Lobs Hole recorded the maximum temperatures for the project area (28.9 C), whereas the average minimum temperatures for both Marica and Tantangara were both below zero.

4. SURFACE WATER MONITORING PROGRAM

4.1. Surface Water Quality Monitoring

Routine surface water quality monitoring is undertaken in accordance with CoA Condition 31 and Environmental Protection Licence 21266 (EPL21266) to determine if project activities may be promoting negative impacts to receiving water quality utilising adopted Water Quality Objectives (WQO's).

All relevant NATA accredited laboratory analytical results have been included in Appendix B and made available on the SHL managed website.

This reporting period marked the seasonal transition from winter to spring, during which temperatures across the project area increased significantly, resulting in reduced stream flows and altered flow velocities. These hydrological changes likely influenced the observed shifts in physicochemical trends compared to the previous period. Specifically, within the Yarrangobilly River, pH levels ranged between 7.01 and 7.81 during September and October. In contrast, during November, when Lobs Hole reached a maximum temperature of 28.9°C, pH levels rose to a range of 7.97–8.3. DO (%) trends remained relatively stable throughout the quarter, fluctuating between 74.5% and 130.4%.

While Total Nitrogen (TN) concentrations at EPL24 initially decreased at the start of this period, they rose significantly during October and November, increasing from 21.4 mg/L to 51 mg/L. During this same timeframe, EC remained within a range of 500 µS/cm - 844 µS/cm. The elevated concentrations were observed in conjunction with increased water body temperature of 7.5°C from the beginning of the reporting period to the conclusion. It is important to note that this water body is considered impacted by leachate migration originating from GF01; consequently, remediation works are scheduled to commence in the upcoming periods. In contrast, TN trends within the Yarrangobilly River remained consistent throughout the reporting period. Occasional exceedances for Ammonia as N were identified at monitoring points EPL8, EPL16, EPL14, and EPL9; however, these fluctuations remain within the historical baseline data for these sites.

Monitoring results for the Eucumbene River (EPL26 and EPL27) indicated a marginal increase of TN concentrations of 0.3 mg/L which is likely correlated with observed animal activity nearby in the surrounding area. Physicochemical parameters (pH, DO, and EC) remained within expected ranges, demonstrating consistency with historical datasets and the stream's ambient profile.

Throughout this reporting period, the Tantangara water bodies exhibited trends in accordance with established spring baselines. Recorded pH levels (5.8–7.4) and conductivity (11–25 µS/cm) are representative of the expected water quality for this stream system. However, TN concentrations fluctuated between 0.1 mg/L and 0.4 mg/L, with EPL33 recording the highest concentrations for this analyte during November. Additionally, several metal exceedances were recorded, specifically for aluminium and chromium; these results are consistent with historical data and align with established background conditions.

These records remain consistent with our baseline data, reinforcing that the current environmental controls are effective.

5. GROUNDWATER MONITORING PROGRAM

5.1. Groundwater Quality Monitoring

Routine groundwater water quality monitoring is undertaken in accordance with CoA Condition 31 and Environmental Protection Licence 21266 (EPL21266) to determine if project activities promote negative impacts to groundwater receptors, utilising WQO's as criteria.

During this period, it is important to highlight the development of the initial Scoping Document for the remediation of GF01. These works are expected to be completed by FG to close the NSW EPA Clean-up Notice (SR-1638). In regard to the monitoring activities at GF01, nutrient and metal concentrations recorded during the reporting period were within the range of historical values observed for this location based on monthly monitoring data. These results are consistent with trends reported in the Monthly EPL Water Reports and indicate no significant deviation. Nevertheless, elevated Total Nitrogen levels were observed upstream of GF01 at EPL 56 and EPL57, which may be attributed to the proximity of spoil and the planned footprint of material placement.

While monitoring at the Main Yard indicates that water quality at downstream stations EPL88 and EPL89 is congruent with upgradient conditions at EPL80 and EPL82. Although iron exceedances occurred, they are consistent with the area's natural characteristics. EPL87 recorded the highest concentrations for Total Nitrogen concentrations (11 - 13.5 mg/L) and several metal exceedances, specifically chromium, copper, and nickel. It is important to note that for managing these levels and mitigating potential impacts, FGJV has implemented the following controls: Groundwater extraction and treatment are being conducted where required and a comprehensive water sampling program is in place, including analytical review of trends to ensure the effectiveness of current management strategies.

At Ravine Bay, several nitrogen exceedances were recorded. It is noteworthy that concentrations remained consistent between upstream and downstream locations, ranging from 0.1 mg/L to 0.7 mg/L. Additionally, exceedances were recorded for specific metals, including chromium, copper, iron, and zinc.

In Tantangara, Total Nitrogen concentrations remain stable and consistent with historical data. However, it is noteworthy that monitoring point EPL105 recorded a significant decrease compared to previous sampling events, with concentrations ranging from 2.5 mg/L to 6.2 mg/L. Despite this decline, these levels remain above the Snowy 2.0 groundwater guidelines. Furthermore, a notable decrease in in-situ pH readings was recorded in November, ranging between 5.61 and 6.46; these fluctuations have been attributed to natural background environmental characteristics. This is based upon an investigation (INV00240) on the 12 November 2025 to determine the ambient conditions collated from previous monitoring periods recorded since August 2023.

Although specific exceedances were identified primarily downgradient of the Spoil Emplacement areas, the Environmental Team remains committed to rigorous mitigation and pollution prevention. This includes proactive groundwater extraction, comprehensive monitoring, and detailed analytical assessments.

Groundwater level monitoring is undertaken in accordance with the Groundwater monitoring program to determine groundwater drawdown as a result from the Project.

5.2. Groundwater Inflows

Groundwater inflow into the tunnels is monitored during construction. This data is required to monitor the volume of extracted groundwater against water access licence limits (Table 5-1).

Table 5-1: Water Access Licence

Water Access Licence	Project	Water Source	Share (ML)
WAL42407 – Specific Purpose Access Licence	Exploratory Works	Upper Tumut water source	227
WAL42408 – Groundwater Licence	Exploratory Works	Lachlan Fold Belt MDB	0
WAL42960 – Groundwater Licence	Exploratory Works	Lachlan Fold Belt MDB	354
RO13-19-093 – via Controlled Allocation	Main Works	Lachlan Fold Belt MDB	3,375
RO1-19-092 – via Controlled Allocation	Main Works	Lachlan Fold Belt South Coast	1,722
Specific Purpose Access Licence	Main Works	Tantangara Water Source	532

6. EVENT BASED MONITORING

Event based wet weather overtopping water quality monitoring is undertaken in accordance with the SWMP Trigger Action Response Plan (TARP 2) to monitor stormwater overtopping sediment basin discharges. Other Events such as those enacted for TARP 1 are also included. Sediment basins for the Project have been designed to meet the design rainfalls depths identified in Table 6-1.

Table 6-1: Design Rainfall Depths (SWMP Section 5.1.1)

Catchment	Description	85th percentile, 5-day rainfall (mm)	90th percentile, 5-day rainfall (mm)	95th percentile, 5-day rainfall (mm)
Yarrangobilly River	Surface works at Lobs Hole and Marica	28.1	35.6	49.0
Upper Eucumbene River	Surface works between Marica and the Snowy Mountain Highway	35.2	43.4	56.9
Tantangara construction compound	Surface works adjacent to the southern portion of Tantangara Reservoir	30.5	37.0	51.0
Goorudee Rivulet	Surface works at Rock Forest	20.0	25.7	36.1

During the reporting period, occurrences of rainfall exceeding site design capacities of the 85th percentile 5-day rainfall depths are listed in Table 6-2 (Tantangara) and Table 6-3 (Lobs Hole). No overtopping events were recorded at Marica during the reporting period.

Table 6-2 Incidents Recorded within Tantangara

Incident Report name	Date reported	Incident Number	Rainfall Volumes	Date incident occurred
Sediment Migration Breaching EIS Boundary	14/09/2025	118837	68 mm	14/09/2025
pH Exceedances in Groundwater	12/11/2025	000240	No recorded rainfall	12/11/2025

Table 6-3 Incidents Recorded within Lobs Hole

Incident Report name	Date reported	Incident Number	Discharge Volumes	Rainfall Volumes	Date incident occurred
GF01 Basin Overtopping	01/09/2025	118749		64.2 mm	01/09/2025
GF01 Sump A Overtopping	11/09/2025	118808		15.2 mm	11/09/2025
Silt Curtain Failure near Boat Ramp	11/09/2025	118814		15.2 mm	11/09/2025
Non-compliant Discharge Event	26/09/2025	118909	729m^3	N/A	3/09/2025
Sediment Laden Water Reporting to Yarrangobilly River	26/10/2025	000155		2.4 mm	26/10/2025
Sediment Laden Water Entering Middle Creek	27/10/2025	000157		14.8 mm	27/10/2025
Sediment Laden Water Reporting to Yarrangobilly River	04/11/2025	000204		14..4 mm	04/11/2025
Sediment Laden Water Entering Middle Creek	10/09/2025	118800		1.8 mm	10/09/2025
Sediment Laden Water Reporting to Middle Creek	16/11/2025	000265		No recorded rainfall	16/11/2025
Sediment Laden Water Entering Middle Creek	17/11/2025	000266		7 mm	17/11/2025

7. CONCLUSION

As detailed throughout this report, this period was characterized by significant environmental shifts, primarily driven by rising temperatures and reduced precipitation due to the transition of winter to spring. These seasonal transitions led to diminished stream flows across the project area, resulting in increased pH levels and a notable decrease in Dissolved Oxygen (DO %) and turbidity. Conversely, groundwater monitoring, particularly at Tantangara recorded fluctuations in in-situ readings; these variations are likely attributable to the temperature increase, which coincided with upward trends in nutrient and specific metal concentrations. On the other hand, water quality at the Talbingo and Tantangara Reservoirs remained within expected parameters, maintaining stable trends with no identified anomalies. Furthermore, significant progress was made regarding the remediation of GF01, highlighted by the submission of the initial Scoping Document to SHL.

APPENDIX A – BACKGROUND CONDITIONS

SURFACE WATER

	PLATEAU	RAVINE
Major watercourses1 (Dry weather)	• pH generally ranges between 6.2 and 8.5, with occasional lower and upper bound exceedances. • Carbonate and salinity vary seasonally, with higher levels occurring in summer/autumn than winter/spring. • Low concentrations of suspended solids and low turbidity. • Total nitrogen and phosphorus concentrations exceeded WQO values occasionally. • Aluminium concentrations exceeded the WQO value on a frequent basis. Some exceedances were more than 4 x WQO values. • Copper, iron, lead and zinc concentrations exceeded WQO values on an occasional basis. Other metals are generally below WQO values • The water quality during wet weather conditions is poorly understood. It is expected that concentrations of suspended sediment, nutrients, and some metals would be higher than dry weather concentrations.	• pH ranges between 6.2 to 8.5, with occasional lower and upper bound exceedances. • Low concentrations of suspended solids and low turbidity. • Carbonate and salinity vary seasonally, with higher levels occurring in summer/autumn than winter/spring. • Total nitrogen and phosphorus concentrations exceeded WQO values occasionally. • Aluminium concentrations in the Yarrangobilly River exceeded WQO values frequently in winter/spring and occasionally in summer/autumn. Some exceedances were more than 4 x WQO values. • Copper, chromium and zinc concentrations exceeded WQO values occasionally. Other metals are generally below WQO values. • The understanding of water quality during wet weather conditions is informed by data from monitoring undertaken in March and May 2019 following moderate rainfall. Available data indicates that receiving water quality during wet weather conditions is generally poorer relative to dry weather conditions with higher turbidity, lower pH, higher nutrients and metals such as copper and zinc. The median (from five samples) copper concentration was 6 x the WQO value.
Minor watercourses (near proposed surface infrastructure	The water quality of minor watercourses near the Tantangara construction compound is generally poorer than major watercourses, with total phosphorus, total nitrogen	The water quality of minor watercourses in Lobs Hole is generally poorer than major watercourses, with turbidity, total phosphorus, copper and zinc exceeding WQO values on a

	and aluminium all exceeding WQO values on a frequent basis. Turbidity, copper and iron exceeded WQO values on an occasional basis.	frequent basis. Total nitrogen, arsenic and aluminium exceeded WQO values on an occasional basis.
Runoff from existing disturbed areas	No sampling from existing disturbed areas has been undertaken at plateau.	Runoff samples were collected from existing disturbed areas in Lobs Hole such as access tracks and remnant copper mining areas in May and March 2019. Disturbed area runoff is characterised as being mildly acidic, having very high suspended sediment and turbidity levels, high total nitrogen and total phosphorous, and very high aluminium and copper concentrations. During wet weather conditions (when runoff is occurring to local watercourses in Lobs Hole), the water quality in the Yarrangobilly River is expected to be degraded as it passes through Lobs Hole.

Notes: 1. Major watercourses in plateau refer to the Murrumbidgee and Eucumbene rivers, Tantangara, Gooandra, Nungar and Kellys Plain creeks. Major watercourses in ravine refers to the Yarrangobilly River and Wallaces Creek.
2. General note: exceedances are described in the WCR as:
- frequent if the WQO value was exceeded in 20% or more of samples; and
- occasional if the WQO value was exceeded in at least one sample, but in less than 20% of samples.

RESERVOIR

TALBINGO

Water quality characteristics are described as follows:

- pH ranges between 6.3 and 8.2, with occasional lower and upper bound exceedances.
- Low concentrations of suspended solids and low turbidity.
- Carbonate and salinity vary seasonally, with higher levels occurring in summer/autumn, correlating with the higher salinity of streamflow over summer and autumn months.
- Oxidised nitrogen concentrations exceeded WQO values frequently in winter/spring and occasionally in summer/autumn. This is the opposite trend to the Yarrangobilly River, where exceedances are more likely to occur in summer/autumn.
- Ammonia concentrations frequently exceed WQO values during winter/spring, corelating with the elevated oxidised nitrogen.
- Total phosphorus concentrations exceed WQO values in all summer/autumn samples and in approximately 25% of winter/spring samples.
- All dissolved metal concentrations were below WQO values except for:
- *Copper and zinc concentrations exceeded WQO values frequently in summer/autumn and occasionally in winter/spring; and
- *Chromium (total) and lead concentrations occasionally exceeded WQO values in summer/autumn.

It is noted that all but one of the copper and zinc exceedances occurred during March 2018 sampling, where 80% of samples exceeded the WQO values. Different analysis methods (consistent with the methods applied more broadly to EIS sampling) were applied to subsequent sampling (post-March 2018).

Reservoir water quality during and following wet weather conditions is poorly understood. There is potential for turbidity, nutrients, and some metals to fluctuate within watercourse inflow locations for several weeks following a substantial runoff event.

TANTANGARA

Water quality characteristics are described as follows:

- pH ranges between 6.6 and 8.0, with one lower and upper bound exceedance occurring.
- Low levels of suspended solids and low turbidity.
- Carbonate and salinity vary seasonally, with higher levels occurring in summer/autumn.
- Oxidised nitrogen and ammonia occasionally exceeded WQO values in summer/autumn.
- Total phosphorus frequently exceeded WQO values in summer/autumn and winter/spring while reactive phosphorus occasionally exceeded WQO values.
- All dissolved metal concentrations were below WQO values except for:
- aluminium concentrations exceeded WQO values on a frequent basis;
- *copper, iron and zinc exceeded WQO values on a frequent basis during summer/autumn; and
- *chromium (total), cobalt and lead exceeded WQO values on an occasional basis during summer/autumn.

It is noted that all of the copper exceedances and the zinc exceedances occurred during March 2018 sampling, where 100% of samples exceeded the WQO values. Different analysis methods (consistent with the methods applied more broadly to EIS sampling) were applied to subsequent sampling (post-March 2018).

Reservoir water quality during and following wet weather conditions is poorly understood. The potential for elevated turbidity, nutrients and some metals to occur near watercourse inflow locations or several weeks following a substantial runoff event.

APPENDIX B – EPL RESULTS

EPL 21266 In Situ Water Quality Measurements
EPL Monthly Monitoring September 2025

Table 1 - Surface Water Quality Data
River and Minor Watercourses

	Water Quality Objectives (see note 1)							
	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

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
5 Sept 2025, 9:42 AM!!	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	9.77	78.1	8.86	51	33	7.44	206	0.8	Rain event in the last seven days. Clear day. Fast flow high water level. No odour.!!	DO% results are lower than the WQO, however, are within the range recorded in previous sampling periods.
5 Sept 2025, 10:13 AM!!	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	7.88	74.5	8.84	40	26	7.26	226	2.8	Rain event in the last seven days. Clear day. High flow and level. No odour or sheen.!!	DO% results are lower than the WQO, however, are within the range recorded in previous sampling periods.
5 Sept 2025, 11:13 AM!!	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	9.4	75.5	8.84	60	39	7.61	218	7.6	Rain event in the last seven days. High flow and level. Clear day. No odour or sheen.!!	DO% results are lower than the WQO, however, are within the range recorded in previous sampling periods.
5 Sept 2025, 11:39 AM!!	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	9.92	79.8	9.02	55	35	7.69	212	5.7	Rain event in the last seven days. High flow and level. Clear day. No odour or sheen.!!	DO% results are lower than the WQO, however, are within the range recorded in previous sampling periods.
5 Sept 2025, 9:58 AM!!	EPL12	Yarrangobilly River, immediately downstream of portal pad	8.43	77.3	9.05	51	33	7.43	216	0.5	Rain event in the last seven days. High flow and level. No odour or sheen. Clear day.!!	DO% results are lower than the WQO, however, are within the range recorded in previous sampling periods.
5 Sept 2025, 10:30 AM!!	EPL14	Yarrangobilly River, downstream of road construction areas	8.07	77	9.1	53	34	7.31	229	1.7	Rain event last seven days. High flow and level. Clear day. No odour or sheen.!!	DO% results are lower than the WQO, however, are within the range previously recorded for this location.
5 Sept 2025, 10:46 AM!!	EPL15	Yarrangobilly River, downstream of road construction areas	8.17	77.8	9.17	52	34	7.49	223	4.4	Rain event in the last seven days. High flow and level. Clear day. No odour or sheen.!!	DO% results are lower than the WQO, however, are within the range previously recorded for this location.
5 Sept 2025, 11:55 AM!!	EPL16	Yarrangobilly River, downstream of road construction areas	9.3	85.3	9.79	55	36	7.51	219	2.2	QA's taken here. Rain event in the last seven days. High flow and level. Clear day. No odour or sheen.!!	DO% is slightly lower than the WQO's, however, remain within the range previously recorded for this location.
1 Sept 2025, 11:48 AM!!	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	10.94	103.5	11.42	155.00	101	7.66	150	9.4	Recent heavy rain. Overcast day. High flow and water level. Clear water. No odour. QA taken here.	All results have met WQO requirements for this locations and are within the range recorded for this location within previous sampling periods.
13 Sept 2025, 11:45 AM!!	EPL26	Eucumbene River downstream of Marica Road	8.73	94.5	10.99	27	17	6.94	225	2.09	Recent rain event. Medium flow and level. Signs of animal activity near sample point. Water clear. Turbidity measured with Hach meter.!!	EC results for this location have consistently recorded lower values than required for WQO's.
13 Sept 2025, 11:53 AM!!	EPL27	Eucumbene River upstream of Marica Road	8.57	70.2	8.2	25	16	7.01	233	0.95	Recent rain event. Medium flow and level. Water clear. Clear day. Signs of animal activity near sample point. Turbidity measured with Hach meter.!!	EC results for this location have consistently recorded lower values than required for WQO's. Lower DO% levels are also consistent with the conditions for this location as seen in data recorded in previous sampling periods.
6 Sept 2025, 7:33 AM!!	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	4.44	80.8	10.47	11	7	7.58	184	10.1	Rain event last seven days. Medium flow and level. Clear day. No odour or sheen.!!	DO% observed is within the range of previous sampling periods. The low EC results have been recorded previously and is within range of previous sampling periods.
6 Sept 2025, 7:47 AM!!	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	5.01	71.7	9.15	7	4	7.13	212	3.4	Rain event last seven days. Medium flow and level. Clear day. No odour or sheen.!!	Low EC results may be attributed to recent rain events. These fluctuations are unlikely to be project related as they are upstream locations. DO% observed is within the range of previous sampling periods
6 Sept 2025, 12:14 PM!!	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	9.46	129.7	14.83	58	38	8.06	189	4.6	Rain event last seven days. High flow and level. Water clear. Clear day. Dam discharging.!!	The DO% and pH is within range recorded from previous sampling rounds, although the levels are above WQO's.
6 Sept 2025, 12:41 PM!!	EPL34	Nungar Creek, upstream of Tantangara Road	8.6	72.4	8.44	5	4	7.53	207	3.0	Rain event last seven days. Fast flow. High level. Water clear. No odour or sheen. Clear day.!!	Lower DO% and EC is within the range previously recorded in sampling rounds.
6 Sept 2025, 12:46 PM!!	EPL35	Nungar Creek, downstream of Tantangara Road	7.98	87.2	10.33	2.0	1	6.9	216	4.3	Rain event last seven days. Clear day. Clear water. High flow and level. No odour or sheen.!!	Lower DO% and EC is within the range previously recorded in sampling rounds.
13 Sept 2025, 2:55 PM!!	EPL 36	Camerons Creek, upstream of works in Rock Forest	16.88	69.3	6.71	37	24	7.06	236	23.0	Water level high. Flow medium. Dead animal near sample point. Recent rain event. Clear day. No odour or sheen.	The DO% is within the range recorded for this location from previous sampling periods.
13 Sept 2025, 3:31 PM!!	EPL 37	Camerons Creek, downstream of works in Rock Forest	16.47	67.1	6.56	36	23	7.07	251	12.6	Recent rain event. Clear day. Signs of stock near sample point. High level and flow.!!	The lower DO% is within range of previously recorded data.
1 Sept 2025, 2:04 PM!!	EPL52	GF01 leachate basin	15.37	72.4	7.22	1,020.00	653	6.88	89	11.8	Sunny day. Heavy recent rain. Clear water, green blue colour. Basin overtopping. Oily sheen visible.!!	The lower DO% is within range of previously recorded data. The higher EC levels are within range of data recorded for this location, due to it being a leachate basin. Basin overtopping was reported in Incident #18749.
-	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-	Dry	Dry
-	EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-	Dry	Dry
1 Sept 2025, 2:49 PM!!	EPL55	GF01 surface water downstream	13.11	68.3	7.16	915	585	6.98	167	4.5	Sunny day. Heavy recent rain. Basin overtopping. High flow. Clear water. No odour.!!	DO% recorded is within the range of previous sampling periods. High EC is consistent with ephemeral nature of this site and previously observed results.
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-	Dry	Dry
13 Sept 2025, 8:27 AM!!	EPL71	Surface water downstream of Marica emplacement	6.16	65	8.06	161	105	7.33	193	23.2	Recent rain event. Clear day. Medium flow. Slight grey colour in stream surface clear.!!	DO% is within the range previously recorded for this location.
6 Sept 2025, 10:40 AM!!	EPL84	F8 Basin	13.57	72.6	7.54	324.00	211	8.49	160	246	Brownish coloured water. No rainfall in last 24 hrs Basin 98% full. QA_LOBS_1 and QA_LOBS_2 were taken at this location.!!	Results exceeding the WQOs is expected in water storage infrastructure in mainyard.
6 Sept 2025, 11:00 AM!!	EPL85	MYD7 Basin	13.89	142.3	14.68	523	334	8.87	170	40.30	Light greenish coloured water. No rainfall in last 24 hrs. No hydrocarbon and odour.!!	Results exceeding the WQOs is expected in water storage infrastructure in mainyard.

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6 Sept 2025, 11:27 AM	EPL86	LHG01 Basin	15.86	79.1	7.8	1,090.00	694	8.13	178	70.8	Light brown coloured water. No hydrocarbon and odour. No rainfall in last 24 hrs.	Results exceeding the WQOs is expected in water storage infrastructure in mainyard.
12 Sept 2025, 1:48 PM	EPL98	Rock blanket diversion monitoring under GFO1 liner	15.42	62.8	6.24	1540	983	6.43	208	1.1	Recent rain event. Clear day. Algae around discharge pipe. Slow flow. Water clear. Turbidity measured at pad 2 with Hach meter.	Results are consistent with previous reporting periods.
13 Sept 2025, 9:15 AM	EPL99	Marica Leachate Basin- Turkey's Nest	8.31	78.8	9.25	366	238	9.28	147	135	Recent rain event. Clear day. Water grey colour. No odour or sheen.	Results exceeding the WQOs is expected in water storage infrastructure around the Marica TSE.
-	EPL100	Marica Lower Leachate Basin USS Shaft	-	-	-	-	-	-	-	-	Too low to sample safely.	Basin water level too low to sample safely.
-	EPL101	Marica Leachate Basin Spoil Pad	-	-	-	-	-	-	-	-	Too low to sample safely.	Basin water level being maintained at low levels due to a tear in the liner.
6 Sept 2025, 9:21 AM	EPL106	Ravine Bay Leachate basin 1	12.17	111.6	11.94	1,320.00	848.00	7.43	105	74.3	No recent rainfall. Basin overtopping relatively. Clear water no odour, sheen or foam.	The elevated EC and DO% has been recorded in previous sampling periods and is expected in leachate storage infrastructure.
12 Sept 2025, 12:41 PM	EPL110	Upstream monitoring of Ravine Bay emplacement area	8.82	93.2	10.82	45	29	7.38	153	1.8	Clear, flowing consistently, no odour, not turbid, faeces present from animals, 15.2 mm rainfall received in last 48 hours.	All results have met WQO requirements for this location.
13 Sept 2025, 9:52 AM	EPL118	Ravine Bay Leachate basin 2	10.82	77.7	8.6	159	104	7.66	110	1000	Turbidity reading assumed to be 1000. Extremely turbid water, brown colour no foam, sheen or odour. High inflows.	The lower DO% is within range of previously recorded data. Turbidity levels this high have not been recorded in previous sampling rounds, however it is representative for the environmental conditions at the time of sample collection.
14 Sept 2025, 10:16 AM	EPL119	Ravine Bay Leachate basin 3	11.98	85.4	9.21	120	78	7.57	128	78	No recent rainfall, extremely turbid water brown colour. No foam sheen or odour	The lower DO% and elevated turbidity is within range of previously recorded data. Sample is representative of environmental conditions.
13 Sept 2025, 10:27 AM	EPL120	Ravine Bay Leachate basin 4	12.42	64.8	6.92	53	35	7.57	131	242	Very turbid brown colour, no recent rain, no foam, sheen or odour.	The lower DO% is within range of previously recorded data. Turbidity levels this high have not been recorded in previous sampling rounds, however it is representative for the environmental conditions at the time of sample collection.
12 Sept 2025, 11:59 AM	EPL122	GFO1 Drainage Line (Formerly EPL 55b)	13.25	68	7.11	618	395	8.08	107	20.3	Recent rain event. Medium flow. Water clear. No odour or sheen. Clear day.	Elevated EC, pH and low DO% have been previously recorded and is consistent with the ephemeral nature of this location.

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	-	6.5 - 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
2 Sept 2025, 11:48 AM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	10.56	85.7	9.55	36	23	7.39	190	2.8	Sunny day. Recent heavy rain. No odour. Dark green water.	Slightly low DO% and elevated EC has been recorded in previous sample periods.
2 Sept 2025, 11:31 AM	EPL11	Talbingo Reservoir, downstream of outlet	10.8	93.6	10.37	32	21	7.39	185	2.8	Sunny day. Recent heavy rainfall. No odour. Dark green water. QA's sampled here.	Elevated EC has been recorded in previous sample periods.
3 Sept 2025, 10:37 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	5.72	75.6	9.48	7	5	6.92	199	4.9	Overcast day. Dark green water. No odour. Windy.	The EC level is towards the lower end of data recorded by previous sample periods. The slightly lower DO% is within the range of data recorded.
3 Sept 2025, 11:06 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	6.46	62.8	7.73	10	6	6.75	214	3.5	Very windy, cold and recent snow. Reservoir level high. Clear water. No odour. No sheen.	EC and DO%, although low, is within the range previously recorded for this location and are representative of the conditions noted at time of sample collection.
3 Sept 2025, 10:57 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	6.4	65.9	8.13	10	6	6.69	216	3.7	Overcast windy day. No odour. Dark green water.	EC and DO% although low, is within the range previously recorded for this location and are representative of the conditions noted at time of sample collection.
3 Sept 2025, 10:48 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	6.22	69.4	8.59	9	6	6.8	209	3.4	Overcast day. Dark green water. No odour.	EC and DO%, although low, is within the range previously recorded for this location and are representative of the conditions noted at time of sample collection.
6 Sept 2025, 9:54 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	9.31	77.2	8.86	45	29	7.46	210	6.7	Rain event last seven days. Clear water. No odour or sheen. Clear day.	Lower DO% and elevated EC is within the range of recorded data from previous sampling periods.
3 Sept 2025, 10:30 AM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	5.68	88.8	11.4	6	4	7.62	170	1.3	Overcast day. Dark green water. No odour. Windy.	Slightly low DO% and EC has been recorded in previous sample periods, and therefore the level recorded is within range.
3 Sept 2025, 11:22 AM	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	6.45	65.3	8.04	10	6	6.6	225	3.2	Windy over cast day. No odour. Dark green colour. QA's taken here.	Lower DO% and EC is within the range of recorded data from previous sampling periods.
3 Sept 2025, 11:08 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	6.46	72.9	8.97	10	6	6.73	216	9.4	Windy, cold, reservoir level high. Clear water, no odour or sheen.	Lower DO% and EC is within the range of recorded data from previous sampling periods.
2 Sept 2025, 9:04 AM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	8.96	87.2	10.09	25	16	7.32	174	6	Sunny day. Heavy recent rain. Dark green water. No odour.	Slightly low DO% has been recorded in previous sample periods.
2 Sept 2025, 8:58 AM	EPL108	Monitoring of Ravine Bay emplacement area (centre of PSE) within Yarrangobilly River	8.77	84.2	9.79	23	15	7.48	165	8	Sunny day. Heavy recent rain. Dark green water. No odour.	Slightly low DO% has been recorded in previous sample periods, and therefore the level recorded is within range. It is representative of the environmental conditions.
2 Sept 2025, 8:51 AM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	8.67	91.5	10.66	24	16	7.83	148	7.4	Sunny day. Heavy recent rain. Dark green water. No odour.	All results have met WQO requirements for this location.

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Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives (see note 3)							
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
-	-	-	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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
14 Sept 2025, 8:54 AM!!	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	15.04	30.5	8.11	3	2	7.73	68	0	No recent rainfall. Clear water, no odour, sheen or foam. QA 2 and QA 3 collected at this point.!!	All parameters meet the WQO's.

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives (see note 3)							
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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
17 Sept 2025, 8:16 AM!!	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	10.35	86.2	9.64	109	71	6.75	240	4.3	Slightly overcast day. No odour or sheen. Area around sample point clean and tidy. QA's taken here.!!	All parameters meet the WQO's.

Table 5 - Groundwater Quality Data
GF01 Surface Water and Groundwater

Water Quality Objectives (see note 1)							
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
-	-	-	30 - 350	-	6.5 - 8.0	-	-

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
1 Sept 2025, 12:58 PM!!	EPL56	GF01 Upstream east groundwater well	10.37	48.1	4.94	252	164	7.39	128	4.9	Heavy rain recently. Sunny day. No odour. Clear water. Concrete breaking down. Height of spoil above bore. Site not representative of upgradient conditions.!!	All parameters meet the WQO's.
1 Sept 2025, 1:16 PM!!	EPL57	GF01 Upstream west groundwater well	14.29	102.8	10.52	276	179	6.99	137	49.4	Heavy recent rain. No odour or colour. Spoil pile higher than bore. Site not representative of upstream conditions.!!	All parameters meet the WQO's.
1 Sept 2025, 2:41 PM!!	EPL58	GF01 Downstream Groundwater well	17.03	70.8	6.82	810	518	5.96	196	4.6	Sunny day. Heavy recent rain. No odour or colour.!!	Elevated EC and slightly acidic pH has been recorded in previous sampling periods. Site has been reported as impacted by GF01.
6 Sept 2025, 10:29 AM!!	EPL68	Leachate detection BH downstream East	11.27	67.2	7.35	27	18	5.59	274	3.4	Rain event last seven days. Algae in waterra hose (image 4) . Clear day. No odour or sheen.!!	Slightly acidic pH and low EC is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
6 Sept 2025, 10:07 AM!!	EPL69	Tantangara groundwater downstream East	9.45	61.6	7.04	44	29	6.16	229	8.2	Rain event last seven days. Clear day. No odour or sheen. Water clear.!!	Slightly acidic pH is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
6 Sept 2025, 8:14 AM!!	EPL70	Tantangara groundwater upstream	9.04	60.1	6.94	27	18	6.06	258	56.4	Rain event last seven days. Clear day. No odour or sheen. Light sediment in base of sleeve.!!	Slightly acidic pH and low EC has been recorded in previous sampling periods.
13 Sept 2025, 9:30 AM	EPL72	Marica groundwater upstream	9.58	49.3	5.62	255	166	3.46	449	89.6	Recent rain event. Clear day. No odour or sheen.	Low pH attributed to sampling error. Retested on the 20/09/2025 reported 5.46. Slightly acidic pH is representative of the environmental conditions of the location and has been recorded in previous sampling periods.
7 Sept 2025, 10:33 AM!!	EPL80	LHG groundwater upstream	17.03	21.1	2.03	904	579	6.8	-2	32.1	Clear water. No odour. No rainfall in last 24 hrs Silt present at the end of hydrasleeve.	Elevated EC has been recorded for this location in previous sampling rounds.
6 Sept 2025, 11:35 AM!!	EPL81	LHG groundwater downstream	15.05	22.9	2.3	974	623	7.02	-12	111	Water is turbid. Algae observed. No odour. No rainfall in last 24 hrs. No dipper on site.!!	Elevated EC has been recorded for this location in previous sampling rounds.
7 Sept 2025, 10:57 AM!!	EPL82	MY groundwater upstream	17.16	14.5	2.39	2850	1820	6.71	-30	17.4	Clear water. Odour like rotten eggs- hydrogen sulphide. No rainfall in last 24 hrs.!!	Extremely elevated EC is consistent at this location, as recorded in previous sampling periods.
6 Sept 2025, 12:05 PM!!	EPL83	MY groundwater downstream	13.73	48.3	5	657	420	7.25	157	12.4	Clear water. No odour. No rainfall in last 24 hrs. No dipper on site.	Elevated EC is consistent at this location, as recorded in previous sampling periods.
7 Sept 2025, 10:11 AM!!	EPL87	MY groundwater downstream	14.29	32.6	3.33	884	566	7	132	728	Turbid water. No odour. No rainfall in last 24 hrs.	Elevated EC is consistent for this location and is within the range recorded from previous sampling periods.
6 Sept 2025, 11:55 AM!!	EPL88	MY groundwater downstream	16.05	21.1	2.07	952	609	7.13	102	14.5	Clear water. No odour. No rainfall in last 24 hrs. No dipper on site.	Elevated EC has been recorded for this location in previous sampling rounds and is representative for this location.
7 Sept 2025, 9:29 AM!!	EPL89	LHG groundwater downstream	12.71	31.8	3.37	327	212	6.82	130	18.6	Clear water. No odour. No rainfall in last 24 hrs.	All parameters meet WQO's.
1 Sept 2025, 12:44 PM!!	EPL 90	GF01 groundwater downstream	14.07	44.9	4.61	339	220	5.92	142	87.9	Recent heavy rain. Clear water. No odour.!!	Slightly acidic pH is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
1 Sept 2025, 12:07 PM!!	EPL 91	GF01 groundwater downstream	12.8	110.6	11.7	107	69	7.41	25	33	Heavy recent rain. Overcast. Low turbidity, no colour. Sulphuric odour. Water pooling around base.!!	All parameters meet WQO's and are representative for this location.
1 Sept 2025, 1:34 PM!!	EPL 92	GF01 groundwater downstream	13.96	65.9	6.49	155	101	6.64	154	101	Heavy recent rain. Sunny day. No odour. Some sediment and muck. Concrete plinth breaking down.!!	All parameters meet WQO's and are representative for this location.
1 Sept 2025, 1:44 PM!!	EPL 93	GF01 groundwater downstream	14.2	34.6	3.55	240	156	7.08	154	533	Recent heavy rain. Orange colour. Sediment present. Sulphur smell.!!	All parameters meet WQO's and are representative for this location.
1 Sept 2025, 1:52 PM!!	EPL 94	GF01 groundwater downstream	14.27	30.8	3.16	175	114	6.67	50	79.2	Sunny day. Recent heavy rain. No odour. Slight yellow colour.!!	All parameters meet WQO's and are representative for this location.
1 Sept 2025, 2:35 PM!!	EPL 95	GF01 groundwater downstream	16.36	11.2	1.09	782	501	6.06	180	7.8	Sunny day. Heavy recent rain. Clear water. No odour.!!	Slightly acidic pH and elevated EC is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
12 Sept 2025, 1:26 PM!!	EPL 96	GF01 groundwater downstream	15.96	41.2	4.05	1480	945	7.38	160	249	Recent rain event. Clear day. No odour or sheen.!!	Elevated EC has been recorded in previous sampling periods. Site has been reported as impacted by surface water due to bore condition.
1 Sept 2025, 3:01 PM!!	EPL 97	GF01 groundwater downstream	15.76	16.2	1.6	521	333	6.59	152	11.4	Sunny day. Heavy recent rain. Concrete plinth breaking down. No odour. Clear water.!!	Elevated EC has been observed consistently in this location, however it is trending upward possibly due to the degrading infrastructure of the borehole plinth.

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6 Sept 2025, 8:36 AM!!	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	10.17	44.7	5.03	52	34	5.78	265	10.1	Rain event last seven days. Clear day. No odour or sheen. Water clear.!!	Slightly acidic pH is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
14 Sept 2025, 10:17	EPL104	Downslope groundwater monitoring east of the Tantangara emplacement area	9.86	58.6	6.62	233	151	6.38	270	355	Overcast day. Recent rain event. No odour or sheen.	Slightly low pH is consistent with upgradient locations.
6 Sept 2025, 9:06 AM!!	EPL105	Downslope groundwater monitoring east of the Tantangara emplacement area	8.95	94.6	10.95	170	111	5.7	274	0.41	QA's taken here. Leaking layflat hose nearby. Rain event last seven days. Clear day. No odour or sheen.!!	Slightly acidic pH is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
12 Sept 2025, 12:55 PM!!	EPL113	Upstream east monitoring of Ravine Bay emplacement area	10.66	39.6	4.4	68	44	5.94	202	108	Slightly turbid, no odour, milky colour, 15.2 mm rainfall received in last 48 hours. Wire is 11.09m long from plug to collar.!!	Slightly acidic pH is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
12 Sept 2025, 1:52 PM!!	EPL114	Upstream west monitoring of Ravine Bay emplacement area	12.97	28.8	3.04	401	261	7.32	189	9.8	Clear, no odour, 15.2 mm rainfall received, no anomalies. Did not reach bore depth due to running out of cable length on dipper. 60+m!!	Slightly elevated EC is consistent for this location.
6 Sept 2025, 11:22 AM!!	EPL115	Downstream east monitoring of Ravine Bay emplacement area	10.63	41	4.04	350	228	7.49	1	29.8	No recent rainfall, slightly turbid, no foam, sheen or odour.!!	All parameters meet WQO's and are representative for this location.
6 Sept 2025, 9:40 AM!!	EPL116	Downstream west monitoring of Ravine Bay emplacement area	14.46	101.2	10.28	141	92	6.53	181	323	Turbid water. No recent rain. No sheen, odour or foam.!!	All parameters meet the WQO's.
6 Sept 2025, 10:49 AM!!	EPL117	Downstream monitoring of Ravine Bay emplacement area	15.61	106.1	10.56	142	92	6.69	-66	28.5	No recent rain. Slightly turbid. No foam, odour or sheen.!!	All parameters meet the WQO's.

Note 1: Water Quality Objective values for the Yarrangobilly 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.

Snowy Hydro 2.0 Main Works EPL Sampling: 01 - 30 September 2025

Environmental Protection Licence No:	21266
Licensee:	Snowy Hydro Limited
Licensee address:	PO Box 332, Cooma, NSW 2630
Premises:	Snowy 2.0 Pumped Hydro Power Station Talbingo and Tantangara, Kosciuszko National Park and Rock Forest, Kosciuszko NSW 2642
EPA Public Register:	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21266&id=21266&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued

Monthly water sampling and analysis is performed as part of the Snowy 2.0 Approval Conditions, Environmental Protection Licence No 21266 - Variation 20 December 2024, and the approved Water Management Plan to ensure that works are not impacting on nearby receiving waters.

A map showing the location of each of the EPL named sampling points is provided after the results tables.

Groundwater:
Elevated concentrations of nutrients have continued to be observed in groundwater monitoring wells across the Snowy 2.0 sites, most notably downgradient of permanent spoil emplacement areas. As reported previously, bores within the area of influence of GF01 have the greatest concentrations in nutrients (e.g. EPL58 - 42,600 µg/L Total Nitrogen). Exceedances in Total Nitrogen were also observed in the Main Yard area (up to 13,500 µg/L at EPL87), Ravine Bay (up to 700 µg/L at EPL113) and Tantangara (up to 3,500 µg/L at EPL105).

Reservoir:
Minor exceedances in nutrients were observed in both Talbingo and Tantangara Reservoirs in the month of September, however, concentrations are consistent with previous reports indicating stability in the overall water quality. An exceedance in aluminium at EPL28 (147 µg/L) has been noted will be examined during the next reporting period.

Surface Water:
Consistent with previous reporting periods, EPL24, EPL55, and EPL122 continue to show the highest surface water concentrations of nutrients in Lobs Hole, aside from leachate storage infrastructure. This is likely attributed to their location downstream of the GF01 leachate area and the ephemeral nature of the waterways. These locations remain under TARP conditions and are monitored weekly. High nutrient concentrations were also observed at EPL36 and EPL37, likely attributed to low flows and agricultural impact.

Discharge:
Compliance testing at EPL50 on the 17th of September met criteria for discharge however EPL41 on the 10th of the September did not meet criteria for discharge as TN was slightly elevated. Non compliant discharges have been investigated in Incident Report S2-ENV-WA-SFW-INC-FGJV00036. Temperatures for both sampling rounds are not considered reflective of conditions as temperatures were recorded a prior to discharge. Review of Discharge Procedure documentation has commenced as a result of recent non-compliance.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-30 September 2025 - Groundwater

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL56	EPL57	EPL58	EPL68	EPL69	EPL70	EPL72	EPL80	EPL81	EPL82	EPL83	EPL87	EPL88	EPL89	EPL 90	EPL 91	EPL92	EPL93	EPL94	EPL95	EPL96	EPL97	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117
				1/09/2025	1/09/2025	1/09/2025	6/09/2025	6/09/2025	6/09/2025	13/09/2025	7/09/2025	6/09/2025	7/09/2025	6/09/2025	7/09/2025	6/09/2025	7/09/2025	1/09/2025	1/09/2025	1/09/2025	1/09/2025	1/09/2025	1/09/2025	12/09/2025	1/09/2025	6/09/2025	14/09/2025	6/09/2025	12/09/2025	12/09/2025	6/09/2025	6/09/2025	6/09/2025
Physicochemical																																	
pH	pH Unit	-	6.5-8	7.39	6.99	5.96	5.59	6.16	6.06	6.06	3.46	6.8	7.02	6.71	7.25	7	7.13	6.82	5.92	7.41	6.64	7.08	6.67	6.06	7.38	6.59	5.78	6.38	5.7	5.94	7.32	7.49	6.53	6.69
Electrical Conductivity	µS/cm	-	30-350	252	276	810	27	44	27	255	904	974	2850	657	884	952	327	339	107	155	240	175	782	1480	521	52	233	170	68	401	350	141	142
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	128	137	196	274	229	258	449	-2	-12	30	157	132	102	130	142	25	154	154	50	180	160	152	265	270	274	262	189	1	181	46
Temperature	°C	-	No Water Quality Objective Value	10.37	14.29	17.03	11.27	9.45	9.04	9.58	17.03	15.05	17.16	13.73	14.29	16.05	12.71	14.07	12.8	13.96	14.2	14.27	16.36	15.96	15.76	10.17	9.86	8.95	10.66	12.97	10.63	14.46	15.61
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	48.1	102.8	70.8	67.2	63.6	60.1	89.3	21.1	22.9	14.5	48.3	32.6	21.1	31.8	44.9	110.6	65.9	34.6	30.8	13.2	41.2	58.2	44.7	58.6	94.6	39.6	28.8	41	101.2	106.1
Turbidity	NTU	-	No Water Quality Objective Value	4.9	49.4	4.6	3.4	8.2	56.4	89.6	32.1	111	17.4	12.4	728	14.5	18.6	87.9	33	101	533	79.2	7.8	249	11.4	10.1	355	0.41	108	9.8	29.8	323	28.5
Laboratory analytes																																	
TSS	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	27	<5	44	21	160	145	<5	280	9	132	79	5	422	627	39	<5	210	92	<5	245	<5	154	5	96	496	239
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	120	110	234	7	16	7	11	379	642	1,320	125	84	160	40	27	107	41	108	74	243	483	146	<1	42	40	19	171	145	37	32
Nutrients																																	
Ammonia as N	ug/L	10	13	20	20	10	<10	<10	<10	10	30	80	80	10	<10	40	10	10	70	<10	30	20	<10	10	10	<10	<10	10	<10	20	<10	<10	10
Nitrite + Nitrate as N (NOx)	ug/L	10	15	430	1,720	39,200	2,200	280	100	70	<10	10	<10	1,300	12,400	<10	470	1,260	<10	<10	10	<10	39,300	55,300	540	840	550	3,130	<10	20	<10	80	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	100	3,400	300	<100	<100	100	100	200	200	200	1,100	200	100	100	100	<100	<100	<100	4,800	4,500	<100	<100	300	400	700	<100	<100	100	<100
Nitrogen (Total)	ug/L	100	250	400	1,800	42,600	2,500	300	300	200	100	200	200	200	1,500	13,500	200	600	1,400	100	<100	<100	44,100	59,800	500	800	800	3,500	700	<100	<100	200	<100
Reactive Phosphorus	ug/L	1	15	<10	10	<10	<10	<10	<10	20	<10	10	<10	20	30	20	10	<10	<10	<10	<10	<10	<10	<10	<10	20	<10	<10	<10	<10	<10	10	<10
Phosphorus (Total)	ug/L	10	20	50	60	30	20	30	50	100	80	200	80	60	440	80	10	40	60	40	190	70	20	140	40	50	220	30	80	20	20	130	340
Inorganics																																	
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<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	<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	<1.0
Metals																																	
Aluminium (total)	µg/L	5	No Water Quality Objective Value	30	126	26	61	640	252	837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	ug/L	5	27	<5	<5	<5	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	20	43	<5	<5	<5	<5
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	3.0	<0.2	<0.2	0.3	<0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	ug/L	0.2	0.8	<0.2	3.0	<0.2	<0.2	<0.2	<0.2	<0.2	2.5	3.4	14.3	1.2	0.5	7.6	<0.2	<0.2	1.2	0.3	0.7	1.1	1.3	<0.2	0.2	<0.2	<0.2	<0.2	0.4	0.4	0.3	0.4	1.3
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	0.5	0.4	0.2	1.4	0.6	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	ug/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	2.2	12.5	<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	0.4	<0.2	<0.2	<0.2
Copper (total)	µg/L	0.5	No Water Quality Objective Value	3.5	33.8	9.3	1.4	2.2	26.5	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	ug/L	0.5	1	0.7	7.8	3.0	1.1	0.5	19.7	2.6	<0.5	<0.5	<0.5	0.2	4.2	7.2	21.3	0.5	<0.5	<0.5	<0.5	<0.5	170	0.6	<0.5	21.2	1.8	2.8	113	1.3	<0.5	14.2	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	41	122	30	33	595	166	1,010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	µg/L	2	300	<2	<2	<2	<2	<2	<2	<2	3	<2	1,280	<2	3	2	<2	4	114	<2	<2	<2	<2	<2	<2	<2	<2	<2	80	<2	<2	<2	3,280
Lead (total)	µg/L	0.1	No Water Quality Objective Value	0.2	0.2	2.9	0.4	0.4	0.1	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	ug/L	0.1	1	<0.1	<0.1	0.6	<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	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	15.3	96.6	8.0	4.8	27.2	6.5	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	ug/L	0.5	1,200	10.8	86.6	7.6	4.0	2.0	2.1	5.0	221	316	381	5.0	25.3	267	8.4	6.4	722	71.7	93.6	437	471	13.7	461	3.0	20.0	38.5	16.4	26.2	265	35.0	494
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	<0.5	0.7	3.5	0.8	1.5	0.5	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	3.3	0.7	<0.5	<0.5	2.6	20.1	2.6	3.0	3.1	41.8	3.6	2.2	4.0	1.7	1.7	0.7	1.4	15.6	2.1	4.4	<0.5	1.8	5.6	<0.5	1.2	0.8	2.3	4.8
Silver (total)	µg/L	0.01	No Water Quality Objective Value	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	ug/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	<0.01	<0.01	<0.01	<0.01	<0.01	0.10	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	µg/L	1	No Water Quality Objective Value	7	3	9	4	4	3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	ug/L	1	2.4	2	<1	6	3	2	3	6	3	1	8	1	<1	3	<1	12	<1	2	<1	3	47	<1	78	<1	6	20	4	7	<1	6	<1

* Water Quality Objective values for groundwater refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for the protection of 99% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.
- Sample not required at this location.

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-30 September 2025 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL51	EPL107	EPL108	EPL109
Field				2/09/2025	2/09/2025	3/09/2025	3/09/2025	3/09/2025	3/09/2025	3/09/2025	3/09/2025	3/09/2025	3/09/2025	2/09/2025	2/09/2025	2/09/2025
pH	pH Unit	-	6.5-8	7.39	7.39	6.92	6.75	6.69	6.8	7.46	7.62	6.6	6.73	7.32	7.48	7.83
Electrical Conductivity	µS/cm	-	20-30	36	32	7	10	10	9	45	6	10	10	25	23	24
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	190	185	199	214	216	209	210	170	225	216	174	165	148
Temperature	°C	-	No Water Quality Objective Value	10.56	10.8	5.72	6.46	6.4	6.22	9.31	5.68	6.45	6.46	8.96	8.77	8.67
Dissolved Oxygen	% saturation	-	90-110	85.7	93.6	75.6	62.8	65.9	69.4	77.2	88.8	65.3	72.9	87.2	84.2	91.5
Turbidity	NTU	-	1-20	2.8	2.8	4.9	3.5	3.7	3.4	6.7	1.3	3.2	9.4	6	8	7.4
Laboratory analytes																
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	17	14	<1	2	2	2	<1	2	<1	2	12	5	5
Nutrients																
Ammonia as N	µg/L	10	10	<10	<10	20	<10	10	<10	<10	<10	10	10	<10	<10	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	10	40	50	20	20	30	20	60	10	30	20	40	40	40
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	100	200	200	200	200	200	100	200	200	200	100	100
Nitrogen (Total)	µg/L	100	350	200	200	200	200	200	200	300	100	200	200	200	100	100
Reactive Phosphorus	µg/L	1	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	10	20	<10	<10	<10	<10	120	<10	<10	<10	30	30	50
Inorganics																
Cyanide Total	µg/L	4	7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<6
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
Metals																
Aluminium (dissolved)	µg/L	5	55	14	10	147	32	35	41	20	41	30	64	5	<5	<5
Arsenic (dissolved)	µg/L	0.2	13	0.2	0.2	<0.2	<0.2	<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	0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.2	<0.2	<0.2	<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	0.6	<0.5	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	33	23	72	44	45	56	19	40	43	60	11	7	6
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	<0.1	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	9.4	5.6	8.1	1.2	1.0	1.6	5.1	3.2	1.5	1.4	<0.5	<0.5	<0.5
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	<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	<0.01	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Biological																
Faecal Coliforms	CFU/100mL	1	10/100^	1	1	3	-	-	-	-	-	-	<1	-	-	-
Biochemical Oxygen Demand	mg/L	2	1/5^	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.

** Algal blooms can present as feacal coliforms

^ 90th percentile concentration limits / 100 percentile concentration limits

\- Sample not required at this location.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-30 September 2025 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL1	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL53	EPL54	EPL55	EPL67	EPL71	EPL86	EPL85	EPL86	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field				5/09/2025	5/09/2025	5/09/2025	5/09/2025	5/09/2025	5/09/2025	5/09/2025	5/09/2025	1/09/2025	11/09/2025	11/09/2025	6/09/2025	6/09/2025	6/09/2025	6/09/2025	6/09/2025	11/09/2025	11/09/2025	1/09/2025	Dry	Dry	1/09/2025	Dry	13/09/2025	6/09/2025	6/09/2025	6/09/2025	12/09/2025	13/09/2025	DRY	DRY	12/09/2025	12/09/2025	13/09/2025	13/09/2025	13/09/2025	13/09/2025	12/09/2025
pH	-		6.5-8	7.44	7.26	7.61	7.69	7.43	7.31	7.49	7.51	7.66	6.94	7.01	7.58	7.13	8.09	7.53	6.9	7.06	7.07	6.88	-	-	6.98	-	7.33	8.49	8.87	8.13	6.43	9.28	-	-	7.43	7.38	7.66	7.57	7.57	8.08
Electrical Conductivity	uS/cm	-	30-350	51	40	60	55	51	53	52	55	155.00	27	25	11	7	58	5	2.0	37	36	1,020.00	-	-	915	-	161	324.00	523	1,090.00	1540	366	-	-	1,320.00	45	159	120	53	618
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	206	226	218	212	216	229	223	219	150	225	233	184	212	189	207	216	236	251	89	-	-	167	-	193	160	170	178	208	147	-	-	105	153	110	128	131	107
Temperature	°C	-	No Water Quality Objective Value	9.77	7.88	9.4	9.92	8.43	8.07	8.17	9.3	10.94	8.73	8.57	6.44	5.01	9.46	8.6	7.98	16.88	16.47	15.37	-	-	13.11	-	8.16	13.57	13.89	15.86	15.42	8.31	-	-	12.17	8.82	10.82	11.98	12.42	13.25
Dissolved Oxygen	% saturation	-	90-110	78.1	74.5	75.5	79.8	77.3	77	77.8	85.3	103.5	94.5	70.2	80.8	71.7	129.7	72.4	87.2	69.3	67.1	72.4	-	-	68.3	-	65	72.6	142.3	79.1	62.8	78.8	-	-	111.6	93.2	77.7	85.4	64.8	68
Turbidity	NTU	-	2-25	0.8	2.8	7.6	5.7	0.5	1.7	4.4	2.2	0.4	2.09	0.95	10.1	3.4	4.6	3.8	4.3	23.0	12.6	11.8	-	-	4.5	-	23.2	246	40.30	70.8	1.1	135	-	-	74.3	1.8	1000	520	242	20.3
Laboratory analytes																																								
TSS	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	<5	5	<5	-	-	<5	-	8	126	14	28	<5	68	-	-	8	10	1,690	187	41	<5
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	24	21	31	28	24	28	28	28	61	5	5	<1	<1	7	<1	<1	4	7	299	-	-	268	-	36	96	124	272	567	85	-	-	380	10	40	27	10	150
Nutrients																																								
Ammonia as N	ug/L	10	13	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	50	<10	10	-	-	20	-	50	20	290	20	10	2,150	-	-	80	<10	30	20	<10	10
Nitrite + Nitrate as N (NOx)	ug/L	10	15	<10	<10	<10	<10	<10	<10	<10	<10	2,320	<10	<10	10	<10	20	<10	<10	<10	<10	40,700	-	-	37,900	-	1,350	1,870	1,220	12,100	85,800	5,760	-	-	58,500	<10	270	200	70	17,900
Kjeldahl Nitrogen Total	ug/L	100	No Water Quality Objective Value	<100	<100	<100	<100	<100	<100	<100	<100	500	300	<100	100	100	200	100	100	1,100	500	1,600	-	-	1,600	-	300	600	800	1,000	5,500	2,400	-	-	2,000	<100	1,400	<100	200	700
Nitrogen (Total)	ug/L	100	250	<100	<100	<100	<100	<100	<100	<100	<100	1,400	300	<100	100	100	200	100	100	1,100	500	42,000	-	-	39,500	-	1,600	2,600	2,000	13,100	90,500	8,400	-	-	60,500	<100	2,100	<100	300	18,600
Reactive Phosphorus	ug/L	1	10	10	10	10	10	10	10	10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	-	-	<10	-	<10	10	10	<10	<10	<10	-	-	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	ug/L	10	20	40	40	50	30	40	40	30	30	70	100	<10	70	40	80	40	80	40	30	35	-	-	30	-	30	170	80	50	20	90	-	-	20	<10	790	300	30	70
Inorganics																																								
Cyanide Total	ug/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	-	-	<4	-	<4	<4	<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	<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	<1.0	<1.0	<1.0
Metals																																								
Aluminium (total)	ug/L	5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	ug/L	5	27	18	<5	12	13	14	12	13	11	12	5	5	19	17	37	21	22	36	39	<5	-	-	<5	-	<5	10	7	<5	<5	9	-	-	<5	6	14	14	14	<5
Arsenic (total)	ug/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	ug/L	0.2	0.8	0.2	<0.2	0.2	0.2	0.2	0.2	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.4	0.7	-	-	0.2	-	<0.2	2.5	24	1.6	<0.2	2.2	-	-	3.1	0.5	0.7	0.8	0.5	<0.2
Chromium (III+VI) (total)	ug/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	ug/L	0.4	0.91	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.6	0.4	-	-	0.5	-	1.2	2.6	5.6	1.5	<0.2	0.4	-	-	1.9	<0.2	<0.2	<0.2	<0.2	0.6
Copper (total)	ug/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	ug/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	0.8	0.8	<0.5	-	-	<0.5	-	<0.5	1.2	0.8	1.9	0.5	<0.5	-	-	0.5	<0.5	<0.5	0.5	<0.5	0.6
Iron (total)	ug/L	2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	-	-	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	ug/L	2	300	22	8	15	16	17	17	16	18	28	10	7	18	20	67	14	15	190	194	<2	-	-	<2	-	5	5	<2	<2	<2	<2	-	-	<2	6	83	76	25	5
Lead (total)	ug/L	0.1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	ug/L	0.1	3	<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	-	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Manganese (total)	ug/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.7	-	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	ug/L	0.5	1200	1.1	0.9	1.1	1.9	0.8	1.8	1.0	1.9	8.4	2.0	0.8	1.2	0.9	0.8	2.8	2.5	18.1	9.5	15.9	-	-	1.4	-	35.5	7.6	38.3	19.8	8.2	4.1	-	-	7.4	<0.5	46.0	78.6	7.7	12.6
Nickel (total)	ug/L	0.5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	ug/L	0.5	8	<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	1.1	1.2	1.7	-	-	0.7	-	1.4	0.7	2.2	0.8	3.2	<0.5	-	-	3.5	<0.5	0.5	<0.5	<0.5	1.3
Silver (total)	ug/L	0.01	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	ug/L	0.01	0.02	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	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	ug/L	1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	ug/L	1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	2	2	-	-	<1	-	<1	<1	<1	<1	27	<1	-	-	3	25	3	8	4	<1

* Water Quality Objective values for surface water refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for the protection of 99% of aquatic species ANZECC / ARMCANZ (2018), they are not pollutant limits imposed by EPL 21266.
- Samples not required

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-30 September 2025 - Discharge Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL 41	EPL 43	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49	EPL 50
Flow Rate				7/09/2025							17/09/2025
Inflow#	ML/day	-	-	-	0.0000	0.4031	0.0471	0.1514	0.0465	0.3649	-
Outflow#	ML/day	-	4.32 (EPL 43 / 50)	-	-	-	-	-	-	-	-
Field											
pH	pH Unit	-	6.5-8.5	6.65	-	-	-	-	-	-	6.75
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	190	-	-	-	-	-	-	109
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	269	-	-	-	-	-	-	240
Temperature	°C	-	15	14.38	-	-	-	-	-	-	10.35
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	81.8	-	-	-	-	-	-	86.2
Turbidity	NTU	-	<25	3.69	-	-	-	-	-	-	4.3
Laboratory analytes											
Total suspended solids	mg/L	5	5/10	<5	-	-	-	-	-	-	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	<1	-	-	-	-	-	-	<1
Nutrients											
Ammonia as N	µg/L	10	200/2000^	<10	-	-	-	-	-	-	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	No Water Quality Objective Value	50	-	-	-	-	-	-	40
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	300	-	-	-	-	-	-	<100
Nitrogen (Total)	µg/L	100	350/-^	400	-	-	-	-	-	-	<100
Reactive Phosphorus	µg/L	1	No Water Quality Objective Value	<10	-	-	-	-	-	-	<10
Phosphorus (Total)	µg/L	10	100	20	-	-	-	-	-	-	50
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											
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	<0.2	-	-	-	-	-	-	0.5
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	-	-	-	-	-	-	<0.1
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	<0.1	-	-	-	-	-	-	<1
Biological											
Faecal Coliforms	CFU/100mL	1	10/100^	<1	-	-	-	-	-	-	<1
Biological Oxygen Demand	mg/L	2	5	<2	-	-	-	-	-	-	<2

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 September 2025 - Volumes

Date	EPL 43 *	EPL 50 ^	EPL 44	EPL 45	EPL 47	EPL 48	EPL 49
	Discharge volume (Megalitres)		Discharge volume (Megalitres)				
1/09/2025	0.79	-	0.33	0.09	0.19	0.09	0.58
2/09/2025	-	0.16	0.39	0.09	0.27	0.09	0.14
3/09/2025	-	0.06	0.43	0.07	0.19	0.08	1.64
4/09/2025	-	0.59	0.36	0.05	0.15	0.10	0.52
5/09/2025	-	0.42	0.18	0.06	0.13	0.07	0.68
6/09/2025	-	-	0.41	0.07	0.13	0.08	0.39
7/09/2025	-	0.72	0.20	0.07	0.21	0.07	0.62
8/09/2025	-	0.73	0.34	0.06	0.18	0.09	0.55
9/09/2025	-	1.11	0.47	0.05	0.21	0.09	0.01
10/09/2025	0.64	1.12	0.64	0.08	0.18	0.07	0.53
11/09/2025	0.35	-	0.42	0.06	0.19	0.08	0.52
12/09/2025	-	-	0.38	0.06	0.19	0.10	0.75
13/09/2025	-	-	0.45	0.05	0.21	0.06	0.54
14/09/2025	0.65	-	0.19	0.05	0.16	0.07	0.71
15/09/2025	0.85	1.16	0.26	0.06	0.22	0.08	0.74
16/09/2025	0.40	0.28	0.44	0.06	0.16	0.10	0.72
17/09/2025	0.44	0.13	0.35	0.06	0.19	0.09	0.67
18/09/2025	0.57	-	0.30	0.08	0.16	0.00	0.62
19/09/2025	0.38	0.28	0.40	0.06	0.20	0.00	0.00
20/09/2025	-	0.09	0.36	0.06	0.20	0.00	0.00
21/09/2025	-	0.04	0.19	0.06	0.21	0.00	0.00
22/09/2025	0.53	0.04	0.54	0.07	0.19	0.00	0.00
23/09/2025	-	0.04	0.70	0.00	0.18	0.00	0.00
24/09/2025	-	0.19	0.54	0.00	0.24	0.00	0.00
25/09/2025	-	0.67	0.32	0.00	0.00	0.00	0.00
26/09/2025	-	0.18	0.42	0.00	0.00	0.00	0.00
27/09/2025	0.68	0.004	0.41	0.00	0.00	0.00	0.00
28/09/2025	1.17	0.16	0.46	0.00	0.00	0.00	0.00
29/09/2025	-	0.31	0.60	0.00	0.00	0.00	0.00
30/09/2025	-	0.50	0.66	0.00	0.00	0.00	0.00

- 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 7.63 L/s

^ The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 18.68 L/s

-- Water not discharged on this day

EPL 21266 In Situ Water Quality Measurements
EPL Monthly Monitoring October 2025

Table 1 - Surface Water Quality Data
River and Minor Watercourses

	Water Quality Objectives (see note 1)							
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

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
27-Oct-25 12:21 PM	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	12.87	110.7	11.7	82	53	7.62	296	3.59	Overcast day. Recent rain event <20mm. Fast flow. High level. No odour or sheen. Turbidity measured with Hach meter.	Increase in temperature consistent with seasonal changes. Increases in DO are consistent with increases in water turbelance due to recent rainfall ingress.
27-Oct-25 12:50 PM	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	12.32	103.3	11.05	78	50	7.91	301	2.52	Recent rain event <20mm. Gentle flow. High level. No odour or sheen. Turbidity measured with Hach meter.	Increase in temperature consistent with seasonal changes.
28-Oct-25 12:41 PM	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	13.17	116.5	12.22	92	60	7.91	153	3.35	Overcast day, river flowing, clear, no odour, no sheen, recent rainfall <20mm. Turbidity measured with Hach meter	Increase in temperature consistent with seasonal changes. Increases in DO are consistent with increases in water turbelance due to recent rainfall ingress.
28-Oct-25 12:22 PM	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	12.64	109.4	11.62	87	57	7.64	164	3.18	Overcast day, recent rainfall <20mm, no odour, clear, no sheen. Turbidity measured with Hach meter	Increase in temperature consistent with seasonal changes.
27-Oct-25 12:36 PM	EPL12	Yarrangobilly River, immediately downstream of portal pad	12.96	102	10.76	84	55	7.76	304	5.03	Recent rain event <20mm. Fast flow. High level. No odour or sheen. Turbidity measured with Hach meter.	Increase in temperature consistent with seasonal changes.
27-Oct-25 1:05 PM	EPL14	Yarrangobilly River, downstream of road construction areas	13.36	99.1	10.36	87	57	8.19	286	3.86	Recent rain event <20mm. High level fast flow. No odour or sheen. Turbidity measured with Hach meter.	pH marginally greater than adopted WQO's.
28-Oct-25 1:33 PM	EPL15	Yarrangobilly River, downstream of road construction areas	13.81	130.4	13.49	86	56	8	144	4.51	Overcast day, recent rainfall <20mm, clear flowing river, no odour, no sheen. Turbidity measured with Hach meter	Increase in temperature consistent with seasonal changes. Increases in DO are consistent with increases in water turbelance due to recent rainfall ingress.
28-Oct-25 12:03 PM	EPL16	Yarrangobilly River, downstream of road construction areas	12.24	153.2	16.41	86	56	7.93	145	3.18	Overcast day, recent rainfall <20mm, river flowing, clear, no odour, no oil sheen. Turbidity measured with Hach meter	Increase in temperature consistent with seasonal changes. Increases in DO are consistent with increases in water turbelance due to recent rainfall ingress.
14-Oct-25 12:59 PM	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	14.25	79.5	8.13	844	540	7.19	209	6	Sunny day low flow low water level clear water no odour	High EC is potentially attributable to ephemeral nature of waterway and impact from GF01. Low DO is consistent with sediment disturbance during sample collection or lower water levels.
10-Oct-25 12:22 PM	EPL26	Eucumbene River downstream of Marica Road	11.52	87.1	9.49	31	20	7.05	146	0	Sunny day. No heavy recent rain. Low flow and water level. Clear water. Horse poo nearby. Animal tracks on bank.	Clear water, low turbidity very low as expected for headwaters of the river with such low EC. This location is situated within proximity to a sealed roadway with no construction activities within proximity.
10-Oct-25 12:09 PM	EPL27	Eucumbene River upstream of Marica Road	11.96	87.8	9.47	33	22	7.65	76	0	Sunny day. No heavy recent rain. Low water level. Low flow. Clear water, low turb. QAs taken here. Horse poo nearby.	Clear water, low turbidity very low as expected for headwaters of the river with such low EC. This location is situated within proximity to a sealed roadway with no construction activities within proximity.
6-Oct-25 8:13 AM	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	10.3	87.7	9.83	17.6	16	7.22	106.7	2.65	Clear day. No odour or sheen. No recent rain. Signs of animal activity near sample point.	Low EC and DO effective of clear stream characteristics.
6-Oct-25 7:55 AM	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	9.5	87.3	9.96	19.8	18	7.33	90.5	7.3	Clear days. No odour. No recent rain.	Low EC and DO effective of clear stream characteristics.
6-Oct-25 8:38 AM	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	11.4	89.6	9.79	14.8	13	7.31	124.5	4	Clear day. No recent rain. No odour or sheen.	Low EC and DO effective of clear stream characteristics.
6-Oct-25 9:25 AM	EPL34	Nungar Creek, upstream of Tantangara Road	9	85.2	9.84	10.5	10	6.9	141.9	4.2	Clear day. No recent rain. No odour or sheen. Fast flow.	Increase in temperature consistent with seasonal changes.
6-Oct-25 9:13 AM	EPL35	Nungar Creek, downstream of Tantangara Road	9.2	86.2	9.91	10.6	10	7.04	132.7	2.53	Clear day. No recent rain. Fast flow.	Low EC and DO effective of clear stream characteristics.
18-Oct-25 12:56 PM	EPL 36	Camerons Creek, upstream of works in Rock Forest	18.35	76.5	7.19	44	29	6.95	232	32.2	No recent rain. Signs of stock near sample point. Low flow and level.	Hooved stock interactions likely impacting turbidity. Increase in temperature consistent with seasonal changes.
18-Oct-25 1:41 PM	EPL 37	Camerons Creek, downstream of works in Rock Forest	18.86	73.8	6.86	51	33	7.22	230	43.1	No recent rain. Signs of stock near sample point. Low flow and level.	Hooved stock interactions likely impacting turbidity. Increase in temperature consistent with seasonal changes.
15-Oct-25 7:36 AM	EPL52	GF01 leachate basin	14	73.8	7.58	1,180.00	753	8.68	192	28.5	30% capacity. No recent rain events. Water is clear with a dark grey/blue colour. No sheen, no odour. No current inflows.	Site is leachate storage infrastructure.
-	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-		Dry
-	EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-		Dry
-	EPL55	GF01 surface water downstream	-	-	-	-	-	-	-	-		Dry
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-		Location combined with EPL39 due to reservoir levels.
17-Oct-25 1:17 PM	EPL71	Surface water downstream of Marica emplacement	-	-	-	-	-	-	-	-	Water level and flow too low to sample. Some small stagnant pools.	No sample taken.
11-Oct-25 11:46 AM	EPL84	F8 Basin	15.07	99.4	9.99	700	448	8.67	77	82.4	Sunny day, turbid, no odour	Site is leachate storage infrastructure.
11-Oct-25 2:42 PM	EPL85	MY07 Basin	18.9	103.5	9.6	910	583	7.35	91	4.60	Low turbidity, no odours, sunny day, duplicate and triplicate collected here	Site is leachate storage infrastructure.
6-Oct-25 9:06 AM	EPL86	LHG01 Basin	15.64	75.8	7.51	1,070.00	684	8.29	71	42.5	Light green gray water, no smell	Site is leachate storage infrastructure.
15-Oct-25 7:38 AM	EPL98	Rock blanket diversion monitoring under GFO1 liner	-	-	-	-	-	-	-	-	Site is dry	No sample taken.
10-Oct-25 3:55 PM	EPL99	Marica Leachate Basin Turkey's Nest	16.99	59.4	5.74	669	428	8.44	75	97.6	Sunny day. No heavy recent rain. Green grey water.	Site is leachate storage infrastructure.
10-Oct-25 3:42 PM	EPL100	Marica Lower Leachate Basin USS Shaft	17.88	80.8	7.65	784	502	8.63	60	118	Sunny day. No recent heavy rain. No odour. Green grey water colour. Black clumps of algae? On surface.	Site is leachate storage infrastructure.
-	EPL101	Marica Leachate Basin Spoil Pad	-	-	-	-	-	-	-	-	-	Site too low to sample.

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14-Oct-25 11:48 AM	EPL106	Ravine Bay Leachate Basin	16.85	103.3	9.97	1,380.00	869.00	8.25	20	4.1	Sunny day, no recent rain events. Capacity at 98%. Water is clear, no sheen and no odour. QA_LOB_1 and QA_LOB_2 taken at this location.	Site is leachate storage infrastructure.
3-Oct-25 11:32 AM	EPL110	Upstream monitoring of Ravine Bay emplacement area	9.01	88.7	10.25	55	36	7.07	157	0	2mm recent rain, steady water flow, clear water no foam sheen or odour	Clear water, low turbidity very low as expected for headwaters of the river with such low EC. This location is situated within proximity to a sealed roadway with no construction activities within proximity.
24-Oct-25 10:03 AM	EPL118	Ravine Bay Leachate basin 2	-	-	-	-	-	-	-	-	Location dry	Basin under going works.
14-Oct-25 11:08 AM	EPL119	Ravine Bay Leachate basin 3	-	-	-	-	-	-	-	-	Basin undergoing works	Basin under going works.
3-Oct-25 12:10 PM	EPL120	Ravine Bay Leachate basin 4	10.63	75.3	8.37	60	39	7.26	165	267	Turbid, strong ammonium odour drifting from spoil (not sample), no odours in sample, turbid, recent 2mm rain	Site is leachate storage infrastructure.
14-Oct-25 1:56 PM	EPL122	GF01 Drainage Line (Formerly EPL 55b)	16.04	78.5	7.72	582	373	8.14	145	41.8	Sunny day. Low flow and water level. No odour or colour.	Sample possibility influenced by bottle contact with waterway floor due to low water flow and level.

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	-	6.5 - 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
22-Oct-25 12:54 PM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	17.33	71.5	6.87	85	56	7.92	167	1.3	Currently raining. No recent rainfall. Water is clear. No odour. No sheen. Dark green in colour. Reservoir level is high. Taken with Hach.	Temperature increase possibly impacting DO concentrations within this location. Higher EC values are from previous month consistent with seasonal changes.
22-Oct-25 12:43 PM	EPL11	Talbingo Reservoir, downstream of outlet	17.28	76.1	7.31	67	44	7.99	161	1.1	Currently raining. No recent rainfall. Water is clear. No odour. No sheen. Dark green in colour. Reservoir level is high. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.
19-Oct-25 10:02 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	12.85	89.9	9.5	21	14	7.7	188	18.1	Sunny day. No odour. Greenish water. Reservoir levels very low.	Temperature increase from previous month consistent with seasonal changes.
19-Oct-25 10:32 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	12.68	77.3	8.21	19	12	7.49	243	3.2	Sunny day. No recent rain. Silt curtain install occurring nearby. Greenish brown water. No odour. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.
19-Oct-25 10:24 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	12.55	69.6	7.41	17	11	7.49	237	2.5	Sunny day. No recent rain. Green brown water. Turb taken with Hach. Boab installing silt curtain during previous week.	Temperature increase from previous month consistent with seasonal changes.
19-Oct-25 10:12 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	12.63	90.9	9.66	19	13	7.58	222	2.3	Sunny day. No recent rain. Greenish brown water. No odour. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.
18-Oct-25 8:30 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	9.71	67.8	7.7	17	11	7.08	240	4.4	Clear day. No recent rain. No odour or sheen. Medium flow. Water clear. Turbidity measured with Hach meter.	Temperature increase from previous month consistent with seasonal changes.
31-Oct-25 12:16 PM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	14.51	169.1	17.23	92	60	5.17	232	2.8	Clear flowing water. No odour or sheen. Sample taken from closest shore spot as low reservoir level prevents boat access. Cloudy day with minimal wind. pH unable to be calibrated.	Potential sample collection error, will be reviewed in the November sampling period. Low pH is not understood to present causal links to PSE groundwater bores at this stage.
19-Oct-25 10:50 AM	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	12.7	78.7	8.35	17	11	7.42	254	3.4	Sunny day. No recent rain. Reservoir levels low. Turb taken with Hach. Silt curtain install occurring nearby. Green brown water colour.	Temperature increase from previous month consistent with seasonal changes.
19-Oct-25 10:41 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	12.67	76.5	8.12	17	11	7.42	250	2.5	Sunny day. No recent rain. Green brown water. No odour. Silt curtain install occurring near by. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.
22-Oct-25 12:36 PM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	16.98	75.5	7.3	52	34	7.91	162	1.5	Currently raining. No recent rainfall. No odour. No sheen. Water is clear. Dark green in colour. Reservoir level is high. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.
22-Oct-25 12:30 PM	EPL108	Monitoring of Ravine Bay emplacement area (centre of PSE) within Yarrangobilly River	16.85	75.1	7.28	50	32	8.15	144	0.9	Currently raining. No recent rainfall. No sheen, no odour. Water is clear. Dark green in colour. Resevoir level is high. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.
22-Oct-25 12:26 PM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	16.85	85.1	8.25	54	35	8.45	122	0.95	Currently raining. No recent rain. Water is clear. Dark green in colour. No sheen, no odour. Reservoir level is high. Turb taken with Hach.	Temperature increase from previous month consistent with seasonal changes.

Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives (see note 3)							
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
-	-	-	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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
6-Oct-25 9:31 AM	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	17.02	66.5	6.42	34	22	7.81	132	0	Clear, no odour, QA_LOB_2 and 3 collected	All parameters meet the discharge criteria

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives (see note 3)							
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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
6-Oct-25 7:08 AM	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	14.9	85.8	8.67	90	73	6.86	67.5	4.09	Clear day. Area around sample point tidy. No odour or sheen.	All parameters meet the discharge criteria

Table 5 - Groundwater Quality Data
Lobs Hole, Tantangara and Marica

Water Quality Objectives (see note 1)							
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
-	-	-	30 - 350	-	6.5 - 8.0	-	-

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
14-Oct-25 2:40 PM	EPL56	GF01 Upstream east groundwater well	17.29	32.9	3.16	245	159	7.57	204	0.5	Sunny day. Clear water. No colour. No odour. Sample taken with hydrasleeve. Spoil pile above bore location. Concrete plinth broken.	All parameters meet the WQO's.
14-Oct-25 3:01 PM	EPL57	GF01 Upstream west groundwater well	16.63	20.2	1.96	257	167	7.75	187	17.9	Sunny day. Clear water, no odour, spoil above bore site. Cracked plinth.	All parameters meet the WQO's.
15-Oct-25 8:01 AM	EPL58	GF01 Downstream Groundwater well	13.16	29.8	3.12	993	636	6.05	285	1.3	Clear sunny day. No recent rain events. Water is clear, no odour. Hach meter reads 1.3 NTU	Elevated EC and slightly acidic pH is likely related to impact from GF01 emplacement area.
11-Oct-25 11:01 AM	EPL68	Leachate detection BH downstream East	11.42	63.8	6.97	25	16	5.56	233	1.3	Sunny day. Clear water. No odour. No colour. PSE development upgradient. Sample taken via extraction pump. Turb taken with Hach.	Low pH under investigation at the time of this report.
11-Oct-25 10:25 AM	EPL69	Tantangara groundwater downstream East	10.42	52.5	5.87	59	39	5.52	247	61.8	Sunny day. No recent rain. Clear water. No odour or colour. Dipper broken, no depths recorded.	Low pH under investigation at the time of this report.
11-Oct-25 9:29 AM	EPL70	Tantangara groundwater upstream	11.09	71.1	7.82	99	65	6.76	175	109	Sunny day. No recent rain. Sediment in bottom of sleeve. Orange colour. No odour.	All parameters meet the WQO's.
25-Oct-25 3:18 PM	EPL72	Marica groundwater upstream	13.15	41.9	4.4	48	31	5.53	199	26.3	No recent rain. Overcast day. Groundwater depth not measured due to meter failure.	Low pH will be investigated in the next reporting period.
14-Oct-25 1:09 PM	EPL80	LHG groundwater upstream	18.24	36.8	3.45	933	597	6.92	35	13.8	No recent rain, clear water no foam sheen or odour	Elevated EC consistent with background conditions within the Lick Hole Gully naturally elevated salinity.
6-Oct-25 9:12 AM	EPL81	LHG groundwater downstream	15.44	12.4	1.23	1,040.00	666	6.79	-40	228	Slightly turbid water, no smell. We can't get total depth because of the installed pump	Elevated EC consistent with background conditions within the Lick Hole Gully naturally elevated salinity.

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5-Oct-25 4:13 PM	EPL82	MY groundwater upstream	18.32	19.6	1.83	2,840.00	1,820.00	6.66	-16	32.5	Clear, slight egg odour, turbidity a little high on Horiba, rinsed well, no turbidity, no unusual observations to note	Extremely elevated EC is consistent with high dissolved iron and orange/red coloured sediment and water reported in field notes and photos.
5-Oct-25 5:17 PM	EPL83	MY groundwater downstream	14.68	9.1	0.92	646	413	6.43	96	162	Fairly clear, no odour, not turbid, unable to take depth reading due to equipment, turbidity reading likely not correct	Elevated EC consistent with orange/red colour and sediment in field photos.
5-Oct-25 4:33 PM	EPL87	MY groundwater downstream	16.82	12.9	1.25	845	541	6.7	47	21.6	Clear, no odour, unable to take depth reading because of equipment in bore, no unusual remarks	Orange/red coloured water and sediment is reported in previous reporting periods.
14-Oct-25 11:36 AM	EPL88	MY groundwater downstream	17.94	98.6	9.32	965	617	6.93	5	0	Clear water, no recent rainfall, no foam sheen or odour	Orange/red coloured water and sediment is reported in previous reporting periods.
5-Oct-25 3:31 PM	EPL89	LHG groundwater downstream	16.79	45.1	4.38	385	251	6.83	164	104	Clear, little sediment at bottom, nothing unusual, cable tie removed and replaced with clip, turbidity reading not right, very clear l, no odour	Orange/red coloured water and sediment is reported in previous reporting periods.
14-Oct-25 2:18 PM	EPL 90	GF01 groundwater downstream	17.47	36.9	3.53	140	91	5.56	230	1.1	Sunny day. No recent rain. Sample taken from extraction pump. No odour or colour. Turb taken with Hach	Slightly acidic pH may be related to GF01 impact.
14-Oct-25 1:34 PM	EPL 91	GF01 groundwater downstream	16.28	15.4	1.51	235	153	6.8	98	30.7	Sunny day. No odour. Clear water. Sample from hose and foot valve.	All parameters meet WQO's.
14-Oct-25 3:33 PM	EPL 92	GF01 groundwater downstream	16.59	75.1	7.31	113	73	6.77	227	339	Sunny day. Orange water. No odour. No recent rain.	All parameters meet WQO's.
14-Oct-25 3:49 PM	EPL 93	GF01 groundwater downstream	17.94	18.5	1.75	196	147	7.14	196	139	Sunny day. Orange water. No odour.	All parameters meet WQO's.
14-Oct-25 3:58 PM	EPL 94	GF01 groundwater downstream	16.7	31.4	3.06	170	111	6.94	18	85.6	Sunny day. No odour. Slightly orange colour.	All parameters meet WQO's.
15-Oct-25 7:47 AM	EPL 95	GF01 groundwater downstream	13.6	22.7	2.36	755	483	6.03	297	0.9	Clear, sunny day. No recent rain events. New pump set up, recharge rate very slow. Pump kept stopping to wait for recharge. Water is very clear, no odour. Hach meter reads 0.9 NTU.	Slightly acidic pH may be related to GF01 impact.
15-Oct-25 7:15 AM	EPL 96	GF01 groundwater downstream	12.75	53.5	5.66	538	344	7.05	235	437	Clear day. No recent rain. Orange water. Lots of sediment. Top of pvc cracked. No plinth. Surface water ingress likely. Sample taken with hose and foot valve.	Elevated EC may be related to GF01 impact.
15-Oct-25 8:14 AM	EPL 97	GF01 groundwater downstream	13.69	17.1	1.78	498	323	6.55	181	15.3	Clear, sunny day. No recent rain events. Water is very clear. No odour or sheen.	Elevated EC may be related to GF01 impact.
1-Oct-25 8:49 AM	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	11.74	50.3	5.45	50	33	6.16	259	14.4	Clear day. No recent rain. No odour.	Low pH under investigation at the time of this report.
1-Oct-25 10:04 AM	EPL104	Downslope groundwater monitoring east of the Tantangara emplacement area	8.91	50.7	5.87	76	49	5.95	296	30.2	Overcast day. No recent rain. No odour.	Low pH under investigation at the time of this report.
11-Oct-25 10:14 AM	EPL105	Downslope groundwater monitoring east of the Tantangara emplacement area	11.19	52.2	5.73	254	88	5.39	254	0.8	Sunny day. Clear water. Sample taken from extraction pump. QAs taken here. No odour. Turb taken with Hach	Low pH under investigation at the time of this report.
3-Oct-25 11:40 AM	EPL113	Upstream east monitoring of Ravine Bay emplacement area	10.54	41.3	4.6	78	51	5.92	178	168	2mm recent rainfall, turbid water no foam sheen or odour	Low pH may be related to Ravine Bay PSE. Site will be investigated during the next reporting period.
3-Oct-25 12:34 PM	EPL114	Upstream west monitoring of Ravine Bay emplacement area	12.3	12.8	1.37	391	254	7.19	183	0	2mm recent rainfall, high clarity, no odours	Slightly elevated EC for this location, it is noted this is an above gradient location.
3-Oct-25 10:19 AM	EPL115	Downstream east monitoring of Ravine Bay emplacement area	12.3	27.5	2.94	375	244	7.36	129	21.3	Clear water 2mm recent rain. No foam odour or sheen	All parameters meet WQO's.
3-Oct-25 1:28 PM	EPL116	Downstream west monitoring of Ravine Bay emplacement area	13.16	75.6	7.93	147	95	6.47	207	101	Sunny day, no odour, hydrasleeve half empty, water column stratified, headworks decent, concrete pad could be reinstated	Slightly acidic pH is representative of the borehole and the environmental conditions of the location, it has been recorded in previous sampling periods.
3-Oct-25 1:54 PM	EPL117	Downstream monitoring of Ravine Bay emplacement area	14.43	51.9	5.3	144	94	6.55	-32	36.3	Sunny, bore condition good, clear, no odour	All parameters meet the WQO's.

Note 1: Water Quality Objective values for the Yarrangobilly 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.

Snowy Hydro 2.0 Main Works EPL Sampling: 01 - 31 October 2025

Environmental Protection Licence No:	21266
Licensee:	Snowy Hydro Limited
Licensee address:	PO Box 332, Cooma, NSW 2630
Premises:	Snowy 2.0 Pumped Hydro Power Station Talbingo and Tantangara, Kosciuszko National Park and Rock Forest, Kosciuszko NSW 2642
EPA Public Register:	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21266&id=21266&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued

Monthly water sampling and analysis is performed as part of the Snowy 2.0 Approval Conditions, Environmental Protection Licence No 21266 - Variation 20 December 2024, and the approved Water Management Plan to ensure that works are not impacting on nearby receiving waters.

A map showing the location of each of the EPL named sampling points is provided after the results tables.

Groundwater:
Concentrations of nutrients in groundwater monitoring wells were observed above the WQO's across the Snow 2.0 sites, most notably, within the area of influence of permanent spoil emplacement areas. Highest concentrations of nutrients were observed downgradient of GF01 with EPL58 and EPL95 reporting 54,600 µg/L and 46,500 µg/L respectively. Monitoring bores EPL90, EPL96 and EPL97 also continue to report exceedances in total nitrogen (600 – 24,500 µg/L). Exceedances in Total Nitrogen were also observed in the Main Yard area (most notably at EPL87 - 11,500 µg/L), Ravine Bay (up to 300 µg/L at EPL113 and EPL115) and Tantangara (up to 2,500 µg/L at EPL105).

A pH gradient has been observed across the Tantangara PSE with pH values of 6.16 – 6.76 in upgradient bores, decreasing to 5.39 - 5.52 in downgradient bores. This will be investigated further in the next reporting period.

Concentrations of select metals were observed above the WQO's in some groundwater monitoring wells. Notably, high concentrations of Dissolved Iron in EPL81 and EPL82 and EPL117 (2000 µg/L, 2210 µg/L and 3180 µg/L respectively).

Reservoir:
Seasonal warming has resulted in notable increases in reservoir surface water temperatures, with Talbingo Reservoir exhibiting a rise of approximately 7°C and Tantangara Reservoir increasing by around 5°C. An exceedance in aluminium at EPL28 noted in the previous reporting period has decreased to the below the WQO (147 µg/L to 29 µg/L). Minor exceedances of the WQO's were also observed in nutrient concentrations.

Surface Water:
Leachate storage infrastructure continues to exhibit the highest nutrient concentrations and electrical conductivity across the monitoring network. Consistent with previous reporting periods, nutrient concentrations at EPL24, and EPL122 exceed the WQO's, likely due the ephemeral nature of the waterways and proximity to GF01. Elevated nutrient concentrations were also recorded at EPL36 and EPL37, likely influenced by low flows and hooved stock interaction.

Discharge:
Amendments to Condition L2.4 within EPL21266 were included within the September variation (understood to comprise the latest license). The amendments included increased discharge analytical limits for key contaminants of concern. Noting this, the analytical results for EPL41 and EPL50 were observed to comply with the updated criteria.

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-31 October 2025 - Groundwater

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*
Physicochemical			
pH	pH Unit	-	6.5-8
Electrical Conductivity	µS/cm	-	30-350
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value
Turbidity	NTU	-	No Water Quality Objective Value
Laboratory analytes			
TSS	mg/L	5	No Water Quality Objective Value
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	13
Nitrite + Nitrate as N (NOx)	µg/L	10	15
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	250
Reactive Phosphorus	µg/L	1	15
Phosphorus (Total)	µg/L	10	20
Inorganics	-	-	-
Cyanide Total	µg/L	4	4
Hydrocarbons			
Oil and Grease	mg/L	1	5
Metals			
Aluminium (total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	5	27
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value
Arsenic (dissolved)	µg/L	0.2	0.8
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01
Copper (total)	µg/L	0.5	No Water Quality Objective Value
Copper (dissolved)	µg/L	0.5	1
Iron (total)	µg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	2	300
Lead (total)	µg/L	0.1	No Water Quality Objective Value
Lead (dissolved)	µg/L	0.1	1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	0.5	1,200
Nickel (total)	µg/L	0.5	No Water Quality Objective Value
Nickel (dissolved)	µg/L	0.5	8
Silver (total)	µg/L	0.01	No Water Quality Objective Value
Silver (dissolved)	µg/L	0.01	0.02
Zinc (total)	µg/L	1	No Water Quality Objective Value
Zinc (dissolved)	µg/L	1	2.4

EPL56	EPL57	EPL58	EPL68	EPL69	EPL70	EPL72	EPL80	EPL81	EPL82	EPL83	EPL87	EPL88	EPL89	EPL 90	EPL 91	EPL92	EPL93	EPL94	EPL95	EPL96	EPL97	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117
14/10/2025	14/10/2025	15/10/2025	11/10/2025	11/10/2025	11/10/2025	25/10/2025	14/10/2025	5/10/2025	5/10/2025	5/10/2025	5/10/2025	14/10/2025	5/10/2025	14/10/2025	14/10/2025	14/10/2025	14/10/2025	14/10/2025	15/10/2025	15/10/2025	15/10/2025	1/10/2025	1/10/2025	11/10/2025	3/10/2025	3/10/2025	3/10/2025	3/10/2025	3/10/2025
7.57	7.75	6.05	5.56	5.52	6.76	5.53	6.92	6.79	6.66	6.43	6.7	6.93	6.83	5.56	6.8	6.77	7.14	6.94	6.03	7.05	6.55	6.16	5.95	5.39	5.92	7.19	7.36	6.51	6.4
245	257	993	25	59	99	48	933	1040	2840	646	845	965	385	140	235	113	196	170	755	538	498	50	76	254	78	391	375	151	145
204	187	285	233	247	175	199	35	-40	-16	96	47	5	164	230	98	227	196	18	297	235	181	259	296	254	178	183	129	192	-7
17.29	16.63	13.16	11.42	10.42	11.09	13.15	18.24	15.44	18.32	14.68	16.82	17.94	16.79	17.47	16.28	16.59	17.94	16.7	13.6	12.75	13.69	11.74	8.91	11.19	10.54	12.3	12.3	12.54	12.6
32.9	20.2	29.8	63.8	52.5	71.1	41.9	36.8	12.4	19.6	9.1	12.9	98.6	45.1	36.9	15.4	75.1	18.5	31.4	22.7	53.5	17.1	50.3	90.7	52.2	41.3	12.8	27.5	66.4	24.3
0.5	17.9	1.3	1.3	61.8	109	26.3	13.8	228	32.5	162	21.6	0	104	1.1	30.7	339	139	85.6	0.9	437	15.3	14.4	30.2	0.8	168	0	21.3	279	31.2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<5	<5	<5	<5	58	8	45	12	202	90	116	14	14	79	<5	28	520	53	74	<5	360	18	<5	73	<5	33	8	18	656	252
124	118	319	<1	16	26	13	372	380	1,280	108	104	183	61	16	117	43	112	78	272	195	153	2	20	41	19	162	136	47	35
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<10	<10	40	30	20	30	10	20	70	90	<10	<10	90	<10	<10	30	<10	20	30	40	<10	<10	<10	<10	10	<10	<10	10	<10	40
470	2,110	48,600	1,270	310	690	60	<10	<10	<10	140	11,000	<10	60	1,380	20	30	10	<10	39,800	22,100	600	860	460	2,100	<10	20	<10	70	<10
<100	500	6,000	<100	<100	300	100	<100	<500	200	<500	500	200	200	<100	<100	<100	<100	<100	6,700	2,400	<100	<100	<100	200	300	<100	300	<500	<100
500	2,600	54,600	1,300	300	1,000	200	<100	<500	200	<500	11,500	200	300	1,400	<100	<100	<100	<100	46,500	24,500	600	900	500	2,500	300	<100	300	<500	<100
<10	10	<10	<10	<10	20	30	<10	80	<10	10	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	20	<10	<10	<10	<10	<10	10	80
10	30	<10	<10	50	100	40	40	400	30	70	70	90	50	<10	40	310	70	60	20	250	20	60	40	10	40	20	20	220	290
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
133	162	36	74	2,020	1,310	999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<5	<5	<5	<5	<5	<5	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	9	30	<5	<5	<5	<5
<0.2	3.4	<0.2	<0.2	0.8	0.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.2	3.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.8	5.4	18.2	1.1	<0.2	10.7	0.2	<0.2	0.2	0.3	0.8	1.8	1.1	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.4	0.3	0.6	1.6
0.5	0.6	0.4	0.2	2.8	1.1	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.2	<0.2	0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	<0.2	<0.2	<0.2
6.1	20.0	29.6	2.2	6.0	145	45.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.6	3.2	25.3	1.8	<0.5	26.9	22.4	<0.5	<0.5	<0.5	13.0	3.6	6.9	6.3	5.4	<0.5	<0.5	<0.5	<0.5	997	<0.5	<0.5	7.6	1.0	1.7	163	1.0	<0.5	11.6	<0.5
201	178	37	55	2,120	980	1,240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<2	<2	<2	2	<2	<2	<2	<2	2,000	2,210	<2	<2	4	<2	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	51	<2	<2	<2	3,180
1.5	0.4	2.7	<0.1	1.8	0.6	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.1	<0.1	1.2	<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	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1
28.3	76.5	8.4	3.4	106	23.4	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.8	53.8	8.0	3.0	3.3	1.8	5.5	111	362	402	22.0	29.6	162	9.7	7.0	286	35.1	12.4	474	342	3.4	405	1.4	13.1	27.6	14.8	6.3	227	45.8	534
0.6	0.8	4.1	0.6	2.9	0.8	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.5	<0.5	3.7	0.5	<0.5	<0.5	1.8	15.5	2.2	0.7	8.2	59.7	3.2	2.2	3.1	0.8	1.0	<0.5	1.2	12.4	1.6	3.7	<0.5	0.6	6.2	<0.5	0.8	1.6	3.6	3.5
<0.01	<0.01	0.01	<0.01	0.04	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
10	3	11	3	8	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	<1	10	3	2	3	7	<1	2	<1	1	<1	1	4	12	2	3	<1	2	45	<1	45	<1	1	34	3	6	<1	8	<1

* Water Quality Objective values for groundwater refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for the protection of 99% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

\- Sample not required at this location.

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-31 October 2025 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL51	EPL107	EPL108	EPL109
Field				22/10/2025	22/10/2025	19/10/2025	19/10/2025	19/10/2025	19/10/2025	18/10/2025	31/10/2025	19/10/2025	19/10/2025	22/10/2025	22/10/2025	22/10/2025
pH	pH Unit	-	6.5-8	7.92	7.99	7.7	7.49	7.49	7.58	7.08	5.17	7.42	7.42	7.91	8.15	8.45
Electrical Conductivity	µS/cm	-	20-30	85	67	21	19	17	19	17	92	17	17	52	50	54
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	167	161	188	243	237	222	240	232	254	250	162	144	122
Temperature	°C	-	No Water Quality Objective Value	17.33	17.28	12.85	12.68	12.55	12.63	9.71	14.51	12.7	12.67	16.98	16.85	16.85
Dissolved Oxygen	% saturation	-	90-110	71.5	7.61	89.9	77.3	69.6	90.9	67.8	169.1	78.7	76.5	75.5	75.1	85.1
Turbidity	NTU	-	1-20	1.3	1.1	18.1	3.2	2.5	2.3	4.4	2.8	3.4	2.5	1.5	0.9	0.95
Laboratory analytes																
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	6	<5	<5	<5	8	<5	<5	<5	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	230	31	2	2	2	2	<1	<1	2	2	19	17	17
Nutrients																
Ammonia as N	µg/L	10	10	20	<10	30	30	<10	<10	<10	<10	<10	<10	<10	<10	20
Nitrite + Nitrate as N (NOx)	µg/L	10	10	10	10	10	<10	<10	<10	10	30	<10	<10	10	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	200	100	100	200	<100	<100	200	100	100	200	200	200
Nitrogen (Total)	µg/L	100	350	200	200	100	100	200	<100	<100	200	100	100	200	200	200
Reactive Phosphorus	µg/L	1	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	60	30	20	30	10	30	<10	90	90	20	30	20	<10
Inorganics																
Cyanide Total	µg/L	4	7	<4	<4	<4	<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	<1.0	<1.0	<1.0
Metals																
Aluminium (dissolved)	µg/L	5	55	6	6	29	26	27	26	11	15	26	23	5	6	6
Arsenic (dissolved)	µg/L	0.2	13	0.4	0.3	<0.2	<0.2	<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	0.3	0.3	0.3	0.2	<0.2	0.3	0.2	<0.2	<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	<0.5	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	15	14	98	67	68	71	35	44	66	62	10	10	10
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	<0.1	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	1.1	<0.5	22.0	1.8	1.8	3.3	1.6	2.5	1.6	1.6	<0.5	<0.5	<0.5
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	<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	<0.01	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Biological																
Faecal Coliforms	CFU/100mL	1	10/100^	5	1	<1	-	-	-	-	-	-	<1	-	-	-
Biochemical Oxygen Demand	mg/L	2	1/5^	<2	<2	<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.

** Algal blooms can present as feacal coliforms

^ 90th percentile concentration limits / 100 percentile concentration limits

\- Sample not required at this location.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-31 October 2025 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL53	EPL54	EPL55	EPL67	EPL71	EPL84	EPL85	EPL86	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field				27/10/2025	27/10/2025	28/10/2025	28/10/2025	27/10/2025	27/10/2025	28/10/2025	28/10/2025	14/10/2025	10/10/2025	10/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	6/10/2025	18/10/2025	18/10/2025	15/10/2025	Dry	Dry	Dry	Dry	Dry	11/10/2025	11/10/2025	6/10/2025	Dry	10/10/2025	10/10/2025	Dry	14/10/2025	3/10/2025	Dry	Dry	3/10/2025	14/10/2025
pH	-	-	6.5-8	7.62	7.91	7.91	7.64	7.76	8.19	8	7.93	7.19	7.05	7.65	7.22	7.33	7.31	6.9	7.04	6.95	7.22	8.68	-	-	-	-	-	8.67	7.35	8.29	-	8.44	8.63	-	8.25	7.07	-	-	7.26	8.14
Electrical Conductivity	µS/cm	-	30-350	82	78	78	87	84	87	86	86	844.00	31	33	17.6	19.8	14.8	10.5	10.6	44	51	1,180.00	-	-	-	-	-	700.00	910	1,070.00	-	669	784	-	1,380.00	55	-	-	60	582
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	296	301	301	164	304	286	144	145	209	146	76	106.7	90.5	124.5	141.9	132.7	232	230	192	-	-	-	-	-	77	91	71	-	75	60	-	20	157	-	-	165	145
Temperature	°C	-	No Water Quality Objective Value	12.87	12.32	12.32	12.64	12.96	13.36	13.81	12.24	14.25	11.52	11.96	10.3	9.5	11.4	9	9.2	18.35	18.86	14	-	-	-	-	-	15.07	18.9	15.64	-	16.99	17.88	-	16.85	9.01	-	-	10.63	16.04
Dissolved Oxygen	% saturation	-	90-110	110.7	103.3	103.3	109.4	102	99.1	130.4	153.2	79.5	87.1	87.8	87.7	87.3	89.6	85.2	86.2	76.5	73.8	73.8	-	-	-	-	-	99.4	103.5	75.8	-	59.4	80.8	-	103.3	88.7	-	-	75.3	78.5
Turbidity	NTU	-	2-25	3.59	2.52	2.52	3.18	5.03	3.86	4.51	3.18	6	0	0	2.65	7.3	4	4.2	2.5	32.2	43.1	28.5	-	-	-	-	-	82.4	4.60	42.5	-	97.6	118	-	4.1	0	-	-	267	41.8
Laboratory analytes																																									
TSS	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	12	<5	<5	5	23	12	10	-	-	-	-	-	18	16	22	-	28	33	-	<5	<5	-	-	88	34
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	27	22	30	27	27	27	27	27	234	9	9	<1	7	<1	<1	<1	13	13	370	-	-	-	-	-	96	234	249	-	200	209	-	451	17	-	-	12	110
Nutrients																																									
Ammonia as N	µg/L	10	13	<10	<10	20	<10	<10	<10	<10	10	<10	<10	20	10	10	40	<10	<10	10	<10	30	-	-	-	-	-	30	90	<10	-	9,230	80	-	110	30	-	-	<10	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	15	<10	<10	20	20	<10	<10	<10	<10	31,200	<10	<10	<10	10	10	50	<10	20	<10	49,300	-	-	-	-	-	4,220	1,160	10,200	-	35,300	19,100	-	64,900	<10	-	-	<10	12,600
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	200	200	200	200	200	200	200	5,500	<100	<100	<100	100	200	100	<100	500	700	1,500	-	-	-	-	-	600	800	400	-	16,000	2,000	-	6,500	<100	-	-	<500	3,200
Nitrogen (Total)	µg/L	100	250	200	200	200	200	200	200	200	200	36,700	<100	<100	<100	100	200	200	<100	500	700	50,800	-	-	-	-	-	4,800	2,400	10,600	-	51,300	21,100	-	71,400	<100	-	-	<500	15,800
Reactive Phosphorus	µg/L	1	15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	-	-	-	-	-	<10	<10	<10	-	<10	<10	-	<10	<10	-	-	<10	<10
Phosphorus (Total)	µg/L	10	20	<10	10	40	40	30	20	60	10	<10	20	<10	20	10	20	<10	10	20	50	10	-	-	-	-	-	90	20	30	-	20	100	-	<10	<10	-	-	130	40
Inorganics																																									
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	-	-	-	-	-	<4	<4	<4	-	128	<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	<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
Metals																																									
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	µg/L	5	27	7	<5	15	14	7	6	15	14	<5	5	5	13	14	26	19	20	41	44	7	-	-	-	-	-	<5	<5	<5	-	6	21	-	<5	<5	-	-	8	<5
Arsenic (total)	µg/L	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	µg/L	0.2	0.8	0.3	0.2	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	<0.2	0.4	0.6	1.7	-	-	-	-	-	2.9	1.6	1.8	-	2.8	1.7	-	3.7	0.6	-	-	0.6	<0.2
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.3	<0.2	<0.2	<0.2	<0.2	0.6	0.5	0.6	-	-	-	-	-	5.6	1.1	1.4	-	2.8	5.1	-	1.9	<0.2	-	-	<0.2	<0.2
Copper (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	µg/L	0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	1.0	0.6	1.6	-	8.7	<0.5	-	0.7	<0.5	-	-	<0.5	0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	µg/L	2	300	15	8	29	30	13	12	29	30	3	13	12	18	22	52	37	40	318	390	<2	-	-	-	-	-	<2	<2	<2	-	<2	<2	-	8	3	-	-	19	<2
Lead (total)	µg/L	0.1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	µg/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	-	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	-	-	<0.1	<0.1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	µg/L	0.5	1,200	1.1	1.7	1.5	2.3	0.9	1.0	1.3	1.7	105	1.5	1.1	1.7	2.3	1.4	5.7	5.8	25.6	30.7	<0.5	-	-	-	-	-	13.5	353	4.9	-	10.1	0.8	-	3.0	0.7	-	-	6.9	2.4
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	1.0	0.6	-	-	-	-	-	1.5	6.4	0.8	-	2.6	0.9	-	3.5	<0.5	-	-	<0.5	0.9
Silver (total)	µg/L	0.01	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	µg/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	-	-	-	-	-	<0.01	<0.01	<0.01	-	0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01
Zinc (total)	µg/L	1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	µg/L	1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	-	-	-	-	-	<1	3	<1	-	<1	<1	-	<1	32	-	-	1	<1

* Water Quality Objective values for surface water refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for the protection of 99% of aquatic species ANZECC / ARMCANZ (2018), they are not pollutant limits imposed by EPL 21266.

\- Samples not required

Monthly EPL Sampling: 01-31 October 2025 - Discharge Water

Analyte	Unit	Limit of Reporting	Discharge Criteria	EPL 41	EPL 50
Field				6/10/2025	6/10/2025
pH	pH Unit	-	6.5-8.5	7.81	6.86
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	34	90
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	132	67.5
Temperature	°C	-	15	17.02	14.9
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	66.5	85.8
Turbidity	NTU	-	<25	0	4.09
Laboratory analytes					
Total suspended solids	mg/L	5	5/10	<5	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	<1	<1
Nutrients					
Ammonia as N	µg/L	10	1000/2000^	<10	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	No Water Quality Objective Value	160	120
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	300	200
Nitrogen (Total)	µg/L	100	1500/3000^	500	300
Reactive Phosphorus	µg/L	1	No Water Quality Objective Value	<10	<10
Phosphorus (Total)	µg/L	10	300/500^	20	<10
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					
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	<0.2	0.7
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	2	3.5/5^	<2	<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

\- 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 2025 - Volumes

Date	EPL 43 *	EPL 50 ^
	Discharge volume (Megalitres)	
1/10/2025	0.19	0.15
2/10/2025	0.55	0.61
3/10/2025	0.50	0.25
4/10/2025	-	0.02
5/10/2025	0.44	0.33
6/10/2025	0.82	0.34
7/10/2025	-	0.21
8/10/2025	0.29	0.24
9/10/2025	-	0.26
10/10/2025	0.66	0.31
11/10/2025	-	0.01
12/10/2025	0.75	0.33
13/10/2025	1.08	0.17
14/10/2025	0.64	0.34
15/10/2025	-	0.06
16/10/2025	1.04	0.29
17/10/2025	0.86	-
18/10/2025	1.06	0.26
19/10/2025	-	0.26
20/10/2025	1.01	-
21/10/2025	1.03	0.84
22/10/2025	0.95	0.45
23/10/2025	-	0.40
24/10/2025	1.06	0.18
25/10/2025	-	-
26/10/2025	-	0.48
27/10/2025	-	0.436
28/10/2025	-	0.29
29/10/2025	1.10	-
30/10/2025	0.50	0.37
31/10/2025	1.23	-

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 7.63 L/s

The maximum flow rate capacity for Tantangara STP/PWTP during the reporting month was 18.68 L/s

Water not discharged on this day

EPL 21266 In Situ Water Quality Measurements
EPL Monthly Monitoring November 2025

Table 1 - Surface Water Quality Data
River and Minor Watercourses

	Water Quality Objectives (see note 1)							
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

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
22 Nov 2025, 8:16 AM	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	13.37	104.2	10.89	88	57	8.03	170	25.2	Clear water, average flow. No odour.	Conditions are representative of environmental influences, the slightly elevated pH and turbidity is also representative of the ambient conditions.
22 Nov 2025, 9:16 AM	EPL6	Wallace's Creek, upstream of Yarrangobilly River and Wallace's Creek confluence	13.12	78.1	8.21	72	47	8.04	192	5.9	Clear water. Average flow. No odour. No recent rain.	The slightly elevated pH and the DO (%) being below WQO's is consistent with previously recorded historical data for this location.
22 Nov 2025, 12:38 PM	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	17.74	89.2	8.49	95	62	8.12	181	3	Overcast day. No recent rain. No odour. Clear water.	The current measurements showing a slightly elevated pH and DO (%) below WQOs are consistent with previously recorded historical data for this location and align with expected seasonal conditions.
22 Nov 2025, 11:44 AM	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	16.23	70.9	6.96	89	58	7.99	193	3.9	Clear water. No odour. No recent rain.	The DO (%) being slightly below the WQO's is representative of environmental conditions.
22 Nov 2025, 8:54 AM	EPL12	Yarrangobilly River, immediately downstream of portal pad	13.96	74.7	7.7	87	57	8.15	184	4.4	Clear water. Average flow. No recent rain. No odour.	The current measurements showing a slightly elevated pH and DO (%) below WQOs are consistent with previously recorded historical data for this location and align with expected seasonal conditions.
22 Nov 2025, 10:13 AM	EPL14	Yarrangobilly River, downstream of road construction areas	15.3	97.7	9.82	86	56	8.16	195	3.8	No odour, clear water, no recent rain. Average flow.	The pH reading being slightly above the WQOs aligns with the characteristic environmental conditions observed at this location.
22 Nov 2025, 10:33 AM	EPL15	Yarrangobilly River, downstream of road construction areas	15.38	78.6	7.86	84	54	8.18	197	5.7	Clear water, average flow. No recent rain.	The slightly elevated pH and the DO (%) being below WQO's has been within the recorded range previously for this location and aligns with the characteristic environmental conditions
22 Nov 2025, 12:51 PM	EPL16	Yarrangobilly River, downstream of road construction areas	17.37	77.5	7.43	88	57	8.3	179	1.2	Average flow. Overcast day. No recent rain. Clear water. No odour. Turb taken with Hach. QAs taken here.	The current measurements showing a slightly elevated pH and DO (%) below WQOs are consistent with previously recorded historical data for this location and align with expected seasonal conditions.
6 Nov 2025, 11:30 AM	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	14.73	80.7	8.17	718	460	6.95	202	1.9	Sunny day, recent rainfall. Low flow. Low water level. Water is clear. No sheen. No odour.	High EC is potentially attributable to ephemeral nature of waterway and impact from GF01. Low DO is consistent with sediment disturbance during sample collection and decrease in the water levels.
7 Nov 2025, 10:44 AM	EPL26	Eucumbene River downstream of Marica Road	11.18	64	7.03	31	20	7.97	209	1.28	Recent rain and snow event. No odour or sheen. Signs of animals near sample point. Medium flow and level. Overcast day. Turbidity measured with Hach meter.	Slightly decreased DO (%) has been noted previously in sampling rounds recorded, this level is slightly lower than usually recorded.
7 Nov 2025, 10:55 AM	EPL27	Eucumbene River upstream of Marica Road	10.95	95.5	10.54	29	19	7.9	209	1.35	Recent rain and snow event. Overcast day. No odour or sheen. Medium flow and level. Signs of animal activity near sample point. QA's taken at this location. Turbidity measured with Hach meter.	The recorded concentrations are representative of the ambient environmental conditions consistently observed at this location.
8 Nov 2025, 8:34 AM	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	11.57	111	12.08	30	19	6.14	253	12.3	Over cast day. Recent rain and snow event. No odour or sheen.	The slightly elevated Do (%) and low pH align with historical data and expected seasonal conditions.
8 Nov 2025, 8:43 AM	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	11.07	136	14.97	24	15	6.74	222	12.9	Overcast day. No odour or sheen. Recent rain and snow event. Signs of animal activity near sample point.	Low EC and slightly elevated DO (%) reflective of clear stream characteristics.
8 Nov 2025, 7:37 AM	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	14.98	112.7	11.37	25	16	5.62	338	4	Overcast day. Recent rain and snow event. Dam discharging above sample point. Medium height and flow.	The reported decrease in pH levels for this period can be directly attributed to the 32 mm of rainfall received on site. This rainfall resulted in an increase in runoff, leading to elevated flow rates and greater sediment input into the water body.
8 Nov 2025, 8:04 AM	EPL34	Nungar Creek, upstream of Tantangara Road	12.85	134.4	14.34	15	9	6.37	262	11.8	Slightly overcast day. Recent rain and snow event. No odour or sheen. Medium height and flow.	The reported decrease in pH levels for this period can be directly attributed to the 32 mm of rainfall received on site. This rainfall resulted in an increase in runoff, leading to elevated flow rates and greater sediment input into the water body.
8 Nov 2025, 8:13 AM	EPL35	Nungar Creek, downstream of Tantangara Road	12.29	107.5	11.51	14	9	6.27	255	6.6	Overcast rainy day. Recent rain and snow event. No odour or sheen.	The recorded concentrations are representative of the ambient environmental conditions consistently observed at this location.
24 Nov 2025, 2:26 PM	EPL 36	Camerons Creek, upstream of works in Rock Forest	23.77	58.1	4.91	34	22	6.94	197	52.5	Sunny day, low flow, low water level, brown colour, no odour, stock interaction	Livestock interactions likely impact turbidity as noted in the field notes. This could be an attributing factor for the low DO (%) concentrations.
24 Nov 2025, 3:06 PM	EPL 37	Camerons Creek, downstream of works in Rock Forest	23.19	70.2	6	38	25	7.13	187	51.4	Sunny day. Low flow and water level. Brown water. Stock interactions. QAs taken here.	Livestock interactions likely impact turbidity as noted in the field notes. This could be an attributing factor for the low DO (%) concentrations.
6 Nov 2025, 1:05 PM	EPL52	GF01 leachate basin	22.71	73.8	6.35	1,030.00	659	8.72	40	73.4	Sunny day. Recent rainfall. No odour. No sheen. Water is a milky greenish colour. Basin level is low.	Site is leachate storage infrastructure.
-	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-	-	Location dry.
-	EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-	-	Location dry
-	EPL55	GF01 surface water downstream	-	-	-	-	-	-	-	-	-	Location dry.
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-	Flow to low to sample	Location dry.
-	EPL71	Surface water downstream of Marica emplacement	-	-	-	-	-	-	-	-	Water level and flow too low to sample. Some small stagnant pools.	No sample taken.
2 Nov 2025, 8:28 AM	EPL84	F8 Basin	18.26	111.9	10.51	949	608	8	218	86.8	Turbid, no odours, sunny	Site is leachate storage infrastructure.
2 Nov 2025, 9:06 AM	EPL85	MY07 Basin	19.65	157.7	14.41	882	565	9.65	170	59.70	Turbid, no odours, basin level low, sunny day	Site is leachate storage infrastructure.
2 Nov 2025, 9:15 AM	EPL86	LHG01 Basin	19.42	101.5	9.31	1,050.00	671	8.71	189	9.8	Low turbidity, no odours, low basin level, sunny day	Site is leachate storage infrastructure.
25 Nov 2025, 11:40 AM	EPL98	Rock blanket diversion monitoring under GF01 liner	-	-	-	-	-	-	-	-	Site is dry	No sample taken.
7 Nov 2025, 8:24 AM	EPL99	Marica Leachate Basin Turkey's Nest	12.8	78.9	8.34	428	278	11.2	33	58.5	Overcast day. Recent rain and snow event. Basin cloudy.	Site is leachate storage infrastructure.
7 Nov 2025, 8:44 AM	EPL100	Marica Lower Leachate Basin US5 Shaft	12.8	58.7	6.2	590	378	9.17	120	18.4	Overcast day. Recent rain and snow event. No odour or sheen.	Site is leachate storage infrastructure.
7 Nov 2025, 8:32 AM	EPL101	Marica Leachate Basin Spoil Pad	13.24	13.24	13.24	13.24	13.24	13.24	13.24	13.24	Overcast day. Recent rain and snow event. Basin cloudy. No odour or sheen.	Site is leachate storage infrastructure.

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1 Nov 2025, 1:11 PM	EPL106	Ravine Bay Leachate Basin	23.36	88	7.46	1,800.00	1,150.00	8.32	92	10.3	Basin 50% full. Greenish coloured water. No odour. Water sample contains algae.	Site is leachate storage infrastructure.
1 Nov 2025, 11:26 AM	EPL110	Upstream monitoring of Ravine Bay emplacement area	15.45	92.4	9.23	59	38	7.25	232	6	Creek flowing-slow rate. Clear water. No rainfall in the last 24hrs. No odour.	All parameters meet WQO's.
14 Nov 2025, 10:02 AM	EPL118	Ravine Bay Leachate basin 2	14.58	96.6	9.74	2870	1830	9.06	194	3.2	No recent rainfall, no sheen odour or foam clear water	Basin under going works. Water level very low.
1 Nov 2025, 10:47 AM	EPL119	Ravine Bay Leachate basin 3	19.87	82.1	7.47	758	485	8.5	173	3.1	Basin 15% full Greenish coloured water No rainfall in last 24 hrs	Basin under going works. Water level very low.
20 Nov 2025, 12:53 PM	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	Dry, no water	Site is leachate storage infrastructure under construction.
25 Nov 2025, 12:02 PM	EPL122	GF01 Drainage Line (Formerly EPL 55b)	-	-	-	-	-	-	-	-	Water not flowing. Water level too low to sample.	Sample not taken due to low water

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	-	6.5 - 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
19 Nov 2025, 9:42 AM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	19.54	64.5	5.92	50	32	7.96	167	1.24	Clear calm day. No odour or sheen. No recent rain. Turb measured with Hach meter.	Low DO (%)and elevated EC are within the historical conditions recorded within previous monitoring rounds.
19 Nov 2025, 9:28 AM	EPL11	Talbingo Reservoir, downstream of outlet	19.64	96.9	8.88	45	29	7.89	167	1.24	Clear calm day. No recent rain. Water clear. No odour or sheen. Turb measured wit Hach meter.	Elevated EC is within the historical conditions recorded within previous monitoring rounds.
23 Nov 2025, 9:36 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	14.2	91.7	9.41	14	9	7.71	196	5.6	Dark green water. Overcast day. Low reservoir level. No odour. Campers nearby	Slightly lower EC is within the environmental conditions recorded for this location.
23 Nov 2025, 10:11 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	14.5	77.8	7.99	11	7	7.43	217	5	Dark green colour. No odour. Low res level. Overcast day.	Low DO (%) and EC are within the environmental conditions of this location.
23 Nov 2025, 10:04 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	14.01	78.8	8.12	11	7	7.48	216	5.9	Dark green water. Low res level. Overcast day. No odour.	Low DO (%) and EC are within the environmental conditions of this location.
23 Nov 2025, 9:49 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	13.95	81.7	8.43	11	7	7.5	211	4.9	Dark green water. No odour. Low res level. Sample taken from boat.	Low DO (%) and EC are within the environmental conditions of this location.
8 Nov 2025, 10:38 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	15.03	107.1	10.79	18	12	6.66	193	9.1	Overcast day. Recent rain and snow event. No odour or sheen. Medium flow and height.	The recorded low EC is representative of the ambient environmental conditions consistently observed at this location.
23 Nov 2025, 9:31 AM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	14.26	78.2	8.01	13	8	7.86	189	3.7	Overcast day. Dark green water. No odour. Sample taken as close as possible from boat.	Low DO (%) and EC are within the environmental conditions of this location.
23 Nov 2025, 10:24 AM	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	14.34	76.2	7.79	12	7	7.36	221	7.3	Dark green water. Low res level. Over cast day. No odour.	The recorded low EC and DO (%) are representative of the ambient environmental conditions consistently observed at this location.
23 Nov 2025, 10:16 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	14.21	77.4	7.94	11	7	7.4	219	6.5	Dark green water. Over cast day. Low res level. no odour	Low DO (%) and EC are within the environmental conditions of this location.
19 Nov 2025, 9:09 AM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	18.23	99.5	9.37	31	20	7.83	164	1.35	Clear calm day. No recent rain. No odour or sheen. Turb measured with Hach meter.	The minor elevation in EC is consistent with the historical data for this location.
19 Nov 2025, 9:00 AM	EPL108	Monitoring of Ravine Bay emplacement area (centre of PSE) within Yarrangobilly River	18.27	107.2	10.09	31	20	7.81	160	1.17	No recent rain. Clear calm day. No odour or sheen. Turb measured with Hach meter. Water clear.	The minor elevation in EC is consistent with the historical data for this location.
19 Nov 2025, 8:49 AM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	17.95	94.9	8.99	31	20	7.79	150	1.25	Clear day. No recent rain. Lake calm water still. Water clear. Turb measured with Hach meter.	The minor elevation in EC is consistent with the historical data for this location.

Table 3 - Treated Water Quality Data
Talbingo

	Water Quality Objectives (see note 3)							
	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
	-	-	-	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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
9 Nov 2025, 9:20 AM	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	18.5	86.6	8.11	47	31	7.47	210	0.95	Clear water, no odour. Tap sanitized and flushed for 1 minute prior to sample. Turb taken with Hach. Lobs_qa_2 and 3 taken here.	All parameters meet the discharge criteria

Table 4 - Treated Water Quality Data
Tantangara

	Water Quality Objectives (see note 3)							
	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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
9 Nov 2025, 9:08 AM	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	16.2	109.9	10.8	80	52	5.46	256	40.8	Area around sample point clean and tidy.	The pH and Turbidity being outside the range of WQO's is potentially attributed to sampling error. Further, no discharge was occuring at the time of sampling.

Table 5 - Groundwater Quality Data
Lobs Hole, Tantangara and Marica

	Water Quality Objectives (see note 1)							
	Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
	-	-	-	30 - 350	-	6.5 - 8.0	-	-

25 Nov 2025, 10:20 AM	EPL56	GF01 Upstream east groundwater well	16.59	20.5	2	218	142	7.35	231	8.8	Sunny day. No recent rainfall. Slight sulphur smell. Low turbidity	All parameters meet the WQO's.
22 Nov 2025, 11:00 AM	EPL57	GF01 Upstream west groundwater well	15.77	103.1	10.22	213	139	7.92	213	22.6	Cracks in concrete plinth. Site within GF01 area. Sample added to lobs monthly CoC. No odour. Clear water.	All parameters meet the WQO's.
6 Nov 2025, 1:33 PM	EPL58	GF01 Downstream Groundwater well	17.53	24.5	2.34	834	534	6.1	189	1.37	Sunny day. Recent rainfall. Water is clear. No odour. Turb taken with Hach.	EC concentrations being above the WQO's is within the environmental conditions recorded in previous monitoring rounds, as well as the slightly lower ph.
2 Nov 2025, 8:53 AM	EPL68	Leachate detection BH downstream East	11.8	83.3	9.02	18.6	16	6.35	134.9	51.9	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water clear; no visible sediment present; no discernible oily sheen or odour	The pH and EC readings, though below WQOs, are consistent with the ambient conditions at the time of sampling. The pH levels specifically fall within the previously recorded historical range for this location.
2 Nov 2025, 9:07 AM	EPL69	Tantangara groundwater downstream East	12.2	74.1	7.95	0.2	0	5.77	177.1	62.59	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water clear; sediment present at bottom of sleeve; no discernible oily sheen or odour	The pH and EC readings, though below WQOs, are consistent with the ambient conditions at the time of sampling. The pH levels specifically fall within the previously recorded historical range for this location.

EPL 21266 In Situ Water Quality Measurements
EPL Monthly Monitoring November 2025

1 Nov 2025, 1:11 PM	EPL106	Ravine Bay Leachate Basin	23.36	88	7.46	1,800.00	1,150.00	8.32	92	10.3	Basin 50% full. Greenish coloured water. No odour. Water sample contains algae.	Site is leachate storage infrastructure.
1 Nov 2025, 11:26 AM	EPL110	Upstream monitoring of Ravine Bay emplacement area	15.45	92.4	9.23	59	38	7.25	232	6	Creek flowing-slow rate. Clear water. No rainfall in the last 24hrs. No odour.	All parameters meet WQO's.
14 Nov 2025, 10:02 AM	EPL118	Ravine Bay Leachate basin 2	14.58	96.6	9.74	2870	1830	9.06	194	3.2	No recent rainfall, no sheen odour or foam clear water	Basin under going works. Water level very low.
1 Nov 2025, 10:47 AM	EPL119	Ravine Bay Leachate basin 3	19.87	82.1	7.47	758	485	8.5	173	3.1	Basin 15% full Greenish coloured water No rainfall in last 24 hrs	Basin under going works. Water level very low.
20 Nov 2025, 12:53 PM	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	Dry, no water	Site is leachate storage infrastructure under construction.
25 Nov 2025, 12:02 PM	EPL122	GF01 Drainage Line (Formerly EPL 55b)	-	-	-	-	-	-	-	-	Water not flowing. Water level too low to sample.	Sample not taken due to low water

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	-	6.5 - 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
19 Nov 2025, 9:42 AM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	19.54	64.5	5.92	50	32	7.96	167	1.24	Clear calm day. No odour or sheen. No recent rain. Turb measured with Hach meter.	Low DO (%)and elevated EC are within the historical conditions recorded within previous monitoring rounds.
19 Nov 2025, 9:28 AM	EPL11	Talbingo Reservoir, downstream of outlet	19.64	96.9	8.88	45	29	7.89	167	1.24	Clear calm day. No recent rain. Water clear. No odour or sheen. Turb measured wit Hach meter.	Elevated EC is within the historical conditions recorded within previous monitoring rounds.
23 Nov 2025, 9:36 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	14.2	91.7	9.41	14	9	7.71	196	5.6	Dark green water. Overcast day. Low reservoir level. No odour. Campers nearby	Slightly lower EC is within the environmental conditions recorded for this location.
23 Nov 2025, 10:11 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	14.5	77.8	7.99	11	7	7.43	217	5	Dark green colour. No odour. Low res level. Overcast day.	Low DO (%) and EC are within the environmental conditions of this location.
23 Nov 2025, 10:04 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	14.01	78.8	8.12	11	7	7.48	216	5.9	Dark green water. Low res level. Overcast day. No odour.	Low DO (%) and EC are within the environmental conditions of this location.
23 Nov 2025, 9:49 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	13.95	81.7	8.43	11	7	7.5	211	4.9	Dark green water. No odour. Low res level. Sample taken from boat.	Low DO (%) and EC are within the environmental conditions of this location.
8 Nov 2025, 10:38 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	15.03	107.1	10.79	18	12	6.66	193	9.1	Overcast day. Recent rain and snow event. No odour or sheen. Medium flow and height.	The recorded low EC is representative of the ambient environmental conditions consistently observed at this location.
23 Nov 2025, 9:31 AM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	14.26	78.2	8.01	13	8	7.86	189	3.7	Overcast day. Dark green water. No odour. Sample taken as close as possible from boat.	Low DO (%) and EC are within the environmental conditions of this location.
23 Nov 2025, 10:24 AM	EPL 46	Tantangara Reservoir, diffuser outlet discharging into Tantangara Reservoir from Tantangara STP/PWTP	14.34	76.2	7.79	12	7	7.36	221	7.3	Dark green water. Low res level. Over cast day. No odour.	The recorded low EC and DO (%) are representative of the ambient environmental conditions consistently observed at this location.
23 Nov 2025, 10:16 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	14.21	77.4	7.94	11	7	7.4	219	6.5	Dark green water. Over cast day. Low res level. no odour	Low DO (%) and EC are within the environmental conditions of this location.
19 Nov 2025, 9:09 AM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	18.23	99.5	9.37	31	20	7.83	164	1.35	Clear calm day. No recent rain. No odour or sheen. Turb measured with Hach meter.	The minor elevation in EC is consistent with the historical data for this location.
19 Nov 2025, 9:00 AM	EPL108	Monitoring of Ravine Bay emplacement area (centre of PSE) within Yarrangobilly River	18.27	107.2	10.09	31	20	7.81	160	1.17	No recent rain. Clear calm day. No odour or sheen. Turb measured with Hach meter. Water clear.	The minor elevation in EC is consistent with the historical data for this location.
19 Nov 2025, 8:49 AM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	17.95	94.9	8.99	31	20	7.79	150	1.25	Clear day. No recent rain. Lake calm water still. Water clear. Turb measured with Hach meter.	The minor elevation in EC is consistent with the historical data for this location.

Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives (see note 3)							
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
-	-	-	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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
9 Nov 2025, 9:20 AM	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	18.5	86.6	8.11	47	31	7.47	210	0.95	Clear water, no odour. Tap sanitized and flushed for 1 minute prior to sample. Turb taken with Hach. Lobs_qa_2 and 3 taken here.	All parameters meet the discharge criteria

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives (see note 3)							
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)	pH	Redox (mV)	Turbidity (NTU)	Field Comments	Context
9 Nov 2025, 9:08 AM	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	16.2	109.9	10.8	80	52	5.46	256	40.8	Area around sample point clean and tidy.	The pH and Turbidity being outside the range of WQO's is potentially attributed to sampling error. Further, no discharge was occuring at the time of sampling.

Table 5 - Groundwater Quality Data
Lobs Hole, Tantangara and Marica

Water Quality Objectives (see note 1)							
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)
-	-	-	30 - 350	-	6.5 - 8.0	-	-

25 Nov 2025, 10:20 AM	EPL56	GF01 Upstream east groundwater well	16.59	20.5	2	218	142	7.35	231	8.8	Sunny day. No recent rainfall. Slight sulphur smell. Low turbidity	All parameters meet the WQO's.
22 Nov 2025, 11:00 AM	EPL57	GF01 Upstream west groundwater well	15.77	103.1	10.22	213	139	7.92	213	22.6	Cracks in concrete plinth. Site within GF01 area. Sample added to lobs monthly CoC. No odour. Clear water.	All parameters meet the WQO's.
6 Nov 2025, 1:33 PM	EPL58	GF01 Downstream Groundwater well	17.53	24.5	2.34	834	534	6.1	189	1.37	Sunny day. Recent rainfall. Water is clear. No odour. Turb taken with Hach.	EC concentrations being above the WQO's is within the environmental conditions recorded in previous monitoring rounds, as well as the slightly lower ph.
2 Nov 2025, 8:53 AM	EPL68	Leachate detection BH downstream East	11.8	83.3	9.02	18.6	16	6.35	134.9	51.9	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water clear; no visible sediment present; no discernible oily sheen or odour	The pH and EC readings, though below WQOs, are consistent with the ambient conditions at the time of sampling. The pH levels specifically fall within the previously recorded historical range for this location.
2 Nov 2025, 9:07 AM	EPL69	Tantangara groundwater downstream East	12.2	74.1	7.95	0.2	0	5.77	177.1	62.59	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water clear; sediment present at bottom of sleeve; no discernible oily sheen or odour	The pH and EC readings, though below WQOs, are consistent with the ambient conditions at the time of sampling. The pH levels specifically fall within the previously recorded historical range for this location.

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2 Nov 2025, 10:27 AM	EPL70	Tantangara groundwater upstream	16.2	72.4	7.13	18.9	15	5.84	193.8	53.87	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water relatively turbid; sediment present at bottom of sleeve; no discernible oily sheen or odour	The pH and EC readings, though below WQOs, are consistent with the ambient conditions at the time of sampling. The pH levels specifically fall within the previously recorded historical range for this location.
2 Nov 2025, 9:27 AM	EPL72	Marica groundwater upstream	13.4	57.2	6	37	22	6.42	247	57	Sunny day. No recent rain. Clear water. No odour or colour. No dipper.	The marginally lower pH concentrations are within the ranges recorded previously.
2 Nov 2025, 9:25 AM	EPL80	LHG groundwater upstream	19.3	25.6	2.35	924	592	6.94	58	64.8	Turbid, no odours. Sunny weather. No odour in water. Visibly turbid water	Elevated EC consistent with background conditions for this location.
18 Nov 2025, 2:49 PM	EPL81	LHG groundwater downstream	20.3	94.6	8.52	840.00	538	6.62	-23	262	Slightly turbid, no odour, bore covered in grass, no other observable changes, cloudy and warm.	Elevated EC consistent with background conditions for this location.
8 Nov 2025, 3:19 PM	EPL82	MY groundwater upstream	19.28	21.2	1.94	2,730.00	1,750.00	6.69	-25	98.5	Clear, odorous like Sulphur, unable to take dipper level due to other teams using dipper, cloudy, no recent rainfall, no observable changes	Extremely elevated EC is consistent with high dissolved iron and orange/red coloured sediment and water reported in field notes and photos.
18 Nov 2025, 2:19 PM	EPL83	MY groundwater downstream	18.17	101	9.51	473	308	6.03	204	35.5	Sunny day with scattered cloud coverage, no odour or sheen, slightly turbid	Elevated EC consistent with orange/red colour and sediment in field photos. The slightly lower pH is representative for this location.
18 Nov 2025, 10:32 AM	EPL87	MY groundwater downstream	16.18	107	10.49	754	483	7.79	234	56.5	Base of borehole could not be dipped due to bore equipment in bore, clear, no odour, recent 7mm received, sunny, no observable changes around bore	Elevated EC consistent with upgradient conditions for this location.
8 Nov 2025, 1:15 PM	EPL88	MY groundwater downstream	20.18	37.8	3.41	970	621	7.09	-93	11.4	Overcast day, recent rainfall, strong odour - egg like sulphuric smell, clear, no dipper available at time of sampling - water team sampling in Tantangara and advisor team 2 sampling at ravine bay	Elevated EC consistent with upgradient conditions for this location.
8 Nov 2025, 2:51 PM	EPL89	LHG groundwater downstream	17.99	35.6	3.37	449	292	6.74	186	21.7	Slightly turbid, no odour, unable to take dipper level as both dippers were being used by other teams sampling, no observable changes, no recent rainfall, cloudy.	Elevated EC consistent with background conditions for this location.
6 Nov 2025, 12:20 PM	EPL 90	GF01 groundwater downstream	15.97	30.8	3.04	346	225	5.67	168	26.7	Sunny day. Recent rainfall. Water is clear. No sheen. No odour.	The measured acidic pH levels are consistent with the historical groundwater data and do not indicate a deviation from expected conditions.
6 Nov 2025, 11:56 AM	EPL 91	GF01 groundwater downstream	16.12	24.5	2.41	227	147	6.48	82	19.5	Sunny day. Recent rain. Water is clear. No sheen. No odour.	The measured acidic pH levels are consistent with the historical groundwater data and do not indicate a deviation from expected conditions.
6 Nov 2025, 12:44 PM	EPL 92	GF01 groundwater downstream	16.3	43.7	4.28	115	75	6.35	160	333	Sunny day. Recent rainfall. Water is turbid. No odour.	The measured acidic pH levels are consistent with the historical groundwater data and do not indicate a deviation from expected conditions.
6 Nov 2025, 12:53 PM	EPL 93	GF01 groundwater downstream	15.8	14.9	1.47	220	143	6.86	69	790	Sunny day. Recent rainfall. Water is turbid. No odour	All parameters meet WQO's.
6 Nov 2025, 1:01 PM	EPL 94	GF01 groundwater downstream	15.84	24.9	2.47	165	107	6.37	43	69	Sunny day. Recent rainfall. No odour. Water is clear.	The measured acidic pH levels are consistent with the historical groundwater data and do not indicate a deviation from expected conditions.
6 Nov 2025, 1:27 PM	EPL 95	GF01 groundwater downstream	18.96	26.5	2.46	714	457	6.21	182	2.59	Sunny day. Recent rainfall. Water is clear. No odour. Turb taken from Hach.	Elevated EC consistent historical ranges for this location. The slightly low pH levels have been recorded previously.
22 Nov 2025, 11:23 AM	EPL 96	GF01 groundwater downstream	15.77	98.2	9.65	406	264	6.61	212	986	No recent rain. Very brown/red turbid water. Sample taken with hose. No plinth. Pvc pipe cracked. No odour.	EC concentrations being above the WQO's is within the environmental conditions recorded in previous monitoring rounds.
6 Nov 2025, 1:54 PM	EPL 97	GF01 groundwater downstream	17.31	9.6	0.92	452	294	6.36	178	16.4	Sunny day. Recent rainfall. Water is clear. No odour.	Elevated EC consistent with historical ranges for this location. The slightly low pH levels have been recorded previously.
8 Nov 2025, 9:55 AM	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	14.24	65.2	6.69	39	25	5.68	217	9.6	Overcast day. Recent rain and snow event. No odour or sheen. Recent earthworks near sample point.	Low pH is considered ambient for this location.
2 Nov 2025, 9:40 AM	EPL104	Downslope groundwater monitoring east of the Tantangara emplacement area	12	62	6.68	58.3	50	6.24	139.6	50.93	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water clear; sediment present at bottom of sleeve; no discernible oily sheen or odour	Low pH is considered ambient for this location.
2 Nov 2025, 10:07 AM	EPL105	Downslope groundwater monitoring east of the Tantangara emplacement area	11.7	64.9	7.03	88.1	77	5.61	171.2	52.49	Foggy conditions before sunrise then sunny and warm with little-to-no-wind. Water clear; no visible sediment present; no discernible oily sheen or odour	Low pH is considered ambient for this location.
1 Nov 2025, 11:08 AM	EPL113	Upstream east monitoring of Ravine Bay emplacement area	16.98	39	3.77	86	56	6.46	242	135	Clear water. No odour. No rainfall in last 24 hrs.	Low pH is considered ambient for this location.
1 Nov 2025, 12:17 PM	EPL114	Upstream west monitoring of Ravine Bay emplacement area	18.83	34.1	3.17	391	254	7.34	218	24.1	Well depth deeper than dipper. Clear water. No odour.	Slightly elevated EC for this location, it is noted this is an above gradient location.
1 Nov 2025, 10:02 AM	EPL115	Downstream east monitoring of Ravine Bay emplacement area	17.09	30.2	2.91	387	252	7.63	179	61.5	Water clear. No rainfall in last 24 hrs. No ongoing construction work nearby.	Slightly elevated EC aligns with the upgradient conditions.
1 Nov 2025, 1:45 PM	EPL116	Downstream west monitoring of Ravine Bay emplacement area	19.91	57.9	5.27	147	95	6.4	244	121	Clear water. No odour. No rainfall in last 24 hrs.	Slightly acidic pH is representative of the environmental conditions of the location, it has been recorded in previous sampling periods.
1 Nov 2025, 12:50 PM	EPL117	Downstream monitoring of Ravine Bay emplacement area	19.39	25.9	2.38	138	90	6.53	19	14.2	Water clear. No rainfall in last 24 hrs. No ongoing construction work nearby.	All parameters meet the WQO's.

Note 1: Water Quality Objective values for the Yarrangobilly 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.

Snowy Hydro 2.0 Main Works EPL Sampling: 01 - 31 November 2025

Environmental Protection Licence No:	21266
Licensee:	Snowy Hydro Limited
Licensee address:	PO Box 332, Cooma, NSW 2630
Premises:	Snowy 2.0 Pumped Hydro Power Station Talbingo and Tantangara, Kosciuszko National Park and Rock Forest, Kosciuszko NSW 2642
EPA Public Register:	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21266&id=21266&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued

Monthly water sampling and analysis is performed as part of the Snowy 2.0 Approval Conditions, Environmental Protection Licence No 21266 - Variation 20 December 2024, and the approved Water Management Plan to ensure that works are not impacting on nearby receiving waters.

A map showing the location of each of the EPL named sampling points is provided after the results tables.

Groundwater

Groundwater bores at EPL2, EPL4, and EPL25 remain submerged under sediment or water due to location within a drain or spillway, making them unrepresentative. Nutrient concentrations continue to exceed in bores within GF01 and Mainyard areas. Exceedances of heavy metals including arsenic, chromium, copper, iron, nickel, and zinc have been recorded at GF01, Mainyard, and Ravine Bay. Iron exceedances are limited to EPL81, EPL82, and EPL117. Groundwater at Tantangara continues exceedances in nutrients and metals such as copper and zinc.

Reservoir

An increase in faecal coliforms has been observed at EPL10 and EPL11 during this reporting period, likely due to the increasing temperatue and notable green colour within the shallower waterbody and the calm nature of the waterbody during sampling. Resampling of these locations is being conducted by the Contractor.

Surface Water

Seasonal changes, including reduced rainfall and warmer temperatures, resulted in several sites being dry and unable to be sampled, including EPL55, EPL98 and EPL122.
Nutrient exceedances were recorded at EPL24 likely due to the ephemeral nature of the waterways and proximity to GF01. Minor elevations in nutrient concentrations were also observed at EPL36 and EPL37, likely influenced by low flows and interaction with hooved stock. Arsenic was the only heavy metal exceedance, recorded at EPL33.

Leachate storage infrastructure continues to exhibit the highest nutrient concentrations and electrical conductivity across the monitoring network.

Discharge

Analytical results for EPL41 and EPL50 complied with discharge criteria during the month of November. A sampling error occurred when testing EPL50 resulting in an inaccurate pH reading, outside of the discharge criteria, the location was sampled earlier that same day and returned compliant results. Discharge did not ocur on the day of sample. Volumes discharged between 24/11/2025 and 30/11/2025 are pending due to a reporting systems upgrade in progress.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-30 November 2025 - Groundwater

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL1	EPL2	EPL4	EPL25	EPL56	EPL57	EPL58	EPL68	EPL69
				29/11/2025	Unrepresentative	Unrepresentative	Unrepresentative	25/11/2025	22/11/2025	6/11/2025	2/11/2025	2/11/2025
Physiochemical												
pH	pH Unit	-	6.5-8	7.16	-	-	-	7.35	7.92	6.1	6.35	5.77
Electrical Conductivity	µS/cm	-	30-350	386	-	-	-	218	213	834	18.6	0.2
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	141	-	-	-	231	198	189	134.9	177.1
Temperature	°C	-	No Water Quality Objective Value	17.79	-	-	-	16.59	15.77	17.53	11.8	12.2
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	77.8	-	-	-	20.5	103.1	24.5	83.3	74.1
Turbidity	NTU	-	No Water Quality Objective Value	9.5	-	-	-	8.8	22.6	1.37	51.9	62.59
Laboratory analytes												
TSS	mg/L	5	No Water Quality Objective Value	22	-	-	-	5	<5	<5	12	60
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	173	-	-	-	107	96	310	<1	13
Nutrients												
Ammonia as N	µg/L	10	13	60	-	-	-	10	10	<10	<10	20
Nitrite + Nitrate as N (NOx)	µg/L	10	15	2,310	-	-	-	490	2,820	44,400	1,260	240
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	500	-	-	-	100	400	3,200	300	200
Nitrogen (Total)	µg/L	100	250	2,800	-	-	-	600	3,200	47,600	1,600	400
Reactive Phosphorus	µg/L	1	15	<10	-	-	-	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	20	10	-	-	-	60	20	20	60	50
Inorganics												
Cyanide Total	µg/L	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
Metals												
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	-	-	191	485	31	194	1,260
Aluminium (dissolved)	µg/L	5	27	<5	-	-	-	<5	<5	<5	<5	<5
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	<0.2	3.7	<0.2	<0.2	0.6
Arsenic (dissolved)	µg/L	0.2	0.8	0.4	-	-	-	<0.2	3.4	<0.2	<0.2	<0.2
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	0.7	1.2	0.4	1.2	1.6
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	-	-	-	<0.2	<0.2	0.2	<0.2	<0.2
Copper (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	11.6	32.5	48.2	4.3	10.7
Copper (dissolved)	µg/L	0.5	1	88.2	-	-	-	0.6	3.7	9.4	1.2	3.6
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	-	-	237	452	34	125	1,150
Iron (dissolved)	µg/L	2	300	4	-	-	-	<2	<2	<2	<2	<2
Lead (total)	µg/L	0.1	No Water Quality Objective Value	-	-	-	-	1.8	1.3	3.2	<0.1	1.0
Lead (dissolved)	µg/L	0.1	1	<0.1	-	-	-	<0.1	<0.1	0.5	<0.1	<0.1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	57.4	300	8.4	4.6	59.3
Manganese (dissolved)	µg/L	0.5	1,200	196	-	-	-	1.7	57.9	8.2	2.5	2.7
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	0.9	2.2	3.7	0.9	2.0
Nickel (dissolved)	µg/L	0.5	8	3.1	-	-	-	<0.5	<0.5	3.3	0.6	<0.5
Silver (total)	µg/L	0.01	No Water Quality Objective Value	-	-	-	-	<0.01	<0.01	0.01	0.02	0.02
Silver (dissolved)	µg/L	0.01	0.02	<0.01	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	µg/L	1	No Water Quality Objective Value	-	-	-	-	11	6	9	4	5
Zinc (dissolved)	µg/L	1	2.4	6	-	-	-	1	<1	7	3	2

Analyte	EPL70	EPL72	EPL80	EPL81	EPL82	EPL83	EPL87	EPL88
	2/11/2025	2/11/2025	2/11/2025	18/11/2025	8/11/2025	18/11/2025	18/11/2025	8/11/2025
Physiochemical								
pH	5.84	6.42	6.94	6.62	6.89	6.03	7.79	7.09
Electrical Conductivity	18.9	37	924	840	2730	473	754	970
Oxidation Reduction Potential	193.8	247	58	-23	-25	204	234	-93
Temperature	16.2	13.4	19.3	20.3	19.28	18.17	16.18	20.18
Dissolved Oxygen	72.4	57.2	25.6	94.6	21.2	101	107	37.8
Turbidity	53.87	57	64.8	262	98.5	35.5	56.5	11.4
Laboratory analytes								
TSS	11	14	23	60	134	12	15	17
Hardness as CaCO3	24	13	387	393	1,190	107	119	176
Nutrients								
Ammonia as N	<10	<10	30	100	90	20	<10	250
Nitrite + Nitrate as N (NOx)	910	80	10	20	<10	180	10,800	<10
Kjeldahl Nitrogen Total	200	100	200	300	300	100	1,100	500
Nitrogen (Total)	1,100	200	200	300	300	300	11,900	500
Reactive Phosphorus	30	30	<10	30	<10	<10	<10	40
Phosphorus (Total)	40	70	60	200	40	50	40	80
Inorganics								
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons								
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals								
Aluminium (total)	527	302	-	-	-	-	-	-
Aluminium (dissolved)	<5	8	<5	<5	<5	<5	<5	<5
Arsenic (total)	<0.2	0.3	-	-	-	-	-	-
Arsenic (dissolved)	<0.2	0.2	1.9	2.6	12.1	1.0	0.3	9.8
Chromium (III+VI) (total)	0.5	2.6	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	<0.2	<0.2	<0.2	<0.2	<0.2	0.9	2.2	<0.2
Copper (total)	54.9	10.8	-	-	-	-	-	-
Copper (dissolved)	17.0	5.5	<0.5	<0.5	<0.5	6.6	1.6	5.6
Iron (total)	310	269	-	-	-	-	-	-
Iron (dissolved)	<2	<2	4	845	1,080	4	<2	20
Lead (total)	0.2	1.0	-	-	-	-	-	-
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	8.7	15.7	-	-	-	-	-	-
Manganese (dissolved)	1.0	6.7	213	200	371	14.3	3.1	249
Nickel (total)	<0.5	4.4	-	-	-	-	-	-
Nickel (dissolved)	<0.5	2.4	18.2	1.0	0.7	10.0	7.2	3.5
Silver (total)	<0.01	<0.01	-	-	-	-	-	-
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	2	11	-	-	-	-	-	-
Zinc (dissolved)	<1	8	<1	<1	1	1	<1	1

Analyte	EPL89	EPL 90	EPL 91	EPL92	EPL93	EPL94	EPL95	EPL96	EPL97
	8/11/2025	6/11/2025	6/11/2025	6/11/2025	6/11/2025	6/11/2025	6/11/2025	22/11/2025	6/11/2025
Physiochemical									
pH	6.74	5.67	6.48	6.35	6.86	6.37	6.21	6.61	6.36
Electrical Conductivity	449	346	227	115	220	165	714	406	452
Oxidation Reduction Potential	186	168	82	160	69	43	182	212	178
Temperature	17.99	16.12	16.12	16.3	15.8	15.84	18.96	16.4	17.31
Dissolved Oxygen	35.6	30.8	24.5	43.7	14.9	24.9	26.5	98.2	9.6
Turbidity	21.7	26.7	19.5	333	790	69	2.59	986	16.4
Laboratory analytes									
TSS	179	10	14	272	2,300	112	<5	5,160	36
Hardness as CaCO3	78	34	111	42	112	78	12	205	146
Nutrients									
Ammonia as N	<10	<10	10	<10	20	10	<10	20	<10
Nitrite + Nitrate as N (NOx)	60	3,640	<10	40	30	<10	41,900	28,100	680
Kjeldahl Nitrogen Total	300	700	<100	<200	400	<100	<100	6,300	300
Nitrogen (Total)	400	4,300	<100	<200	400	<100	41,900	34,400	1,000
Reactive Phosphorus	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	90	20	30	240	430	60	20	2,050	30
Inorganics									
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons									
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals									
Aluminium (total)	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	<5	11	<5	<5	<5	<5	<5	<5	<5
Arsenic (total)	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	<0.2	<0.2	0.7	0.3	2.6	1.5	1.1	<0.2	<0.2
Chromium (III+VI) (total)	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (total)	-	-	-	-	-	-	-	-	-
Copper (dissolved)	22.8	14.0	<0.5	<0.5	<0.5	<0.5	399	<0.5	<0.5
Iron (total)	-	-	-	-	-	-	-	-	-
Iron (dissolved)	<2	7	<2	<2	<2	<2	<2	<2	<2
Lead (total)	-	-	-	-	-	-	-	-	-
Lead (dissolved)	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	3.9	20.7	553	52.5	167	514	413	3.5	301
Nickel (total)	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	3.3	7.0	1.4	1.6	1.1	1.2	15.5	2.4	4.3
Silver (total)	-	-	-	-	-	-	-	-	-
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	<1	24	3	5	73	4	49	1	70

Analyte	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117
	8/11/2025	2/11/2025	2/11/2025	1/11/2025	1/11/2025	1/11/2025	1/11/2025	1/11/2025
Physiochemical								
pH	5.68	6.24	5.61	6.46	7.34	7.63	6.4	6.53
Electrical Conductivity	39	58.3	88.1	86	391	387	147	138
Oxidation Reduction Potential	217	139.6	171.2	242	218	179	244	19
Temperature	14.24	12	11.7	16.98	18.83	17.09	19.91	19.39
Dissolved Oxygen	65.2	62	64.9	39	34.1	30.2	57.9	25.9
Turbidity	9.6	50.93	52.49	135	24.1	61.5	121	14.2
Laboratory analytes								
TSS	14	<5	<5	55	40	31	380	444
Hardness as CaCO3	2	13	37	22	179	158	45	39
Nutrients								
Ammonia as N	<10	<10	20	10	10	50	<10	20
Nitrite + Nitrate as N (NOx)	870	490	2,370	30	30	<10	100	50
Kjeldahl Nitrogen Total	<100	400	600	400	300	200	300	100
Nitrogen (Total)	900	900	3,000	400	300	200	400	100
Reactive Phosphorus	10	<10	<10	<10	<10	<10	20	50
Phosphorus (Total)	20	50	50	70	60	50	40	310
Inorganics								
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons								
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals								
Aluminium (total)	-	187	94	-	-	-	-	-
Aluminium (dissolved)	<5	<5	11	16	<5	<5	<5	<5
Arsenic (total)	-	<0.2	<0.2	-	-	-	-	-
Arsenic (dissolved)	<0.2	<0.2	<0.2	0.4	0.5	0.4	0.5	1.3
Chromium (III+VI) (total)	-	0.4	0.9	-	-	-	-	-
Chromium (III+VI) (dissolved)	0.2	0.2	<0.2	<0.2	0.7	0.6	0.8	<0.2
Copper (total)	-	1.5	5.6	-	-	-	-	-
Copper (dissolved)	8.1	0.7	3.7	128	1.4	<0.5	28.1	<0.5
Iron (total)	-	89	70	-	-	-	-	-
Iron (dissolved)	<2	<2	3	22	<2	<2	<2	1,050
Lead (total)	-	<0.1	<0.1	-	-	-	-	-
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	-	4.3	27.3	-	-	-	-	-
Manganese (dissolved)	1.7	3.2	25.8	25.8	4.6	172	23.2	408
Nickel (total)	-	0.5	6.3	-	-	-	-	-
Nickel (dissolved)	<0.5	<0.5	6.1	0.5	0.9	1.7	2.6	2.0
Silver (total)	-	<0.01	0.91	-	-	-	-	-
Silver (dissolved)	<0.01	<0.01	0.21	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	-	3	99	-	-	-	-	-
Zinc (dissolved)	1	3	114	3	3	<1	6	<1

* Water Quality Objective values for groundwater refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for the protection of 99% of aquatic species ANZECC / ARMCANZ (2000), they are not pollutant limits imposed by EPL 21266.

\- Sample not required at this location.

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-30 November 2025 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL46	EPL51	EPL107	EPL108	EPL109
Field				19/11/2025	19/11/2025	23/11/2025	23/11/2025	23/11/2025	23/11/2025	8/11/2025	23/11/2025	23/11/2025	23/11/2025	19/11/2025	19/11/2025	19/11/2025
pH	pH Unit	-	6.5-8	7.96	7.89	7.71	7.43	7.48	7.5	6.66	7.86	7.36	7.4	7.83	7.81	7.79
Electrical Conductivity	µS/cm	-	20-30	50	45	14	11	11	11	18	13	12	11	31	31	31
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	167	167	196	217	216	211	193	189	221	219	164	160	150
Temperature	°C	-	No Water Quality Objective Value	19.54	19.64	14.2	14.5	14.01	13.95	15.03	14.26	14.34	14.21	18.23	18.27	17.95
Dissolved Oxygen	% saturation	-	90-110	64.5	96.9	91.7	77.8	78.8	81.7	107.1	78.2	76.2	77.4	99.5	107.2	94.9
Turbidity	NTU	-	1-20	1.24	1.24	5.6	5	5.9	14.0	9.1	3.7	7.3	6.5	1.35	1.17	1.25
Laboratory analytes																
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	2	<5	<5	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	22	19	5	2	2	2	<1	<1	5	<5	10	10	7
Nutrients																
Ammonia as N	µg/L	10	10	<10	10	<10	60	<10	40	<10	<10	40	40	<10	<10	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	100	200	300	300	300	200	<100	200	200	300	100	<100	<100
Nitrogen (Total)	µg/L	100	350	100	200	300	300	300	200	<100	200	200	300	100	<100	<100
Reactive Phosphorus	µg/L	1	5	<10	<10	<10	<10	<10	<10	30	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	50	50	20	20	10	10	10	20	<10	30	50	40	30
Inorganics																
Cyanide Total	µg/L	4	7	<4	<4	<4	<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	<1.0	<1.0	<1.0
Metals																
Aluminium (dissolved)	µg/L	5	55	<5	<5	24	32	31	34	17	31	39	31	<5	<5	<5
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	0.3	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	<0.2	<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	<0.5	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	15	14	101	131	132	127	53	116	142	131	10	8	8
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	<0.1	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5	0.6	1.4	1.8	1.8	1.7	2.5	1.8	2.0	1.8	0.6	<0.5	<0.5
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	<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	<0.01	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1	<1	<1	<1	7	<1	<1	<1	<1	<1	<1	<1
Biological																
Faecal Coliforms	CFU/100mL	1	10/100^	120	29	1	-	-	-	-	-	-	1	-	-	-
Biochemical Oxygen Demand	mg/L	2	1/5^	<2	<2	<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.

** Algal blooms can present as feacal coliforms

^ 90th percentile concentration limits / 100 percentile concentration limits

\- Sample not required at this location.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-30 November 2025 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL1	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL53	EPL54	EPL55	EPL67	EPL71	EPL84	EPL85	EPL86	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field				22/11/2025	22/11/2025	22/11/2025	22/11/2025	22/11/2025	22/11/2025	22/11/2025	22/11/2025	6/11/2025	7/11/2025	7/11/2025	8/11/2025	8/11/2025	8/11/2025	8/11/2025	8/11/2025	24/11/2025	24/11/2025	6/11/2025	Dry	Dry	Dry	Dry	Dry	Dry	2/11/2025	2/11/2025	2/11/2025	Dry	7/11/2025	7/11/2025	7/11/2025	1/11/2025	1/11/2025	14/11/2025	1/11/2025	Dry	Dry
pH	-	-	6.5-8	8.03	8.04	8.12	7.99	8.15	8.16	8.18	8.3	6.95	7.97	7.9	6.14	6.74	5.62	6.37	6.27	6.94	7.13	8.72	-	-	-	-	-	8	9.65	8.71	-	11.2	9.17	9.27	8.32	7.25	9.06	8.5	-	-
Electrical Conductivity	uS/cm	-	30-350	88	72	95	89	87	86	84	88	718.00	31	29	30	24	25	15	14.0	34	38	1,000.00	-	-	-	-	-	949.00	882	1,050.00	-	428	590	646	1,800.00	59	2870	758	-	-
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	170	192	181	193	184	195	197	179	202	209	209	253	222	338	262	255	197	187	40	-	-	-	-	-	218	170	189	-	33	120	107	92	232	194	173	-	-
Temperature	°C	-	No Water Quality Objective Value	13.37	13.12	17.74	16.23	13.96	15.3	15.38	17.37	14.73	11.18	10.95	11.57	11.07	14.98	12.85	12.29	23.77	23.19	22.71	-	-	-	-	-	18.26	19.65	19.42	-	12.8	12.8	13.24	23.36	15.45	14.58	19.87	-	-
Dissolved Oxygen	% saturation	-	90-110	104.2	78.1	89.2	70.9	74.7	97.7	78.6	77.5	80.7	64	95.5	111	136	112.7	134.4	107.5	58.1	70.2	73.8	-	-	-	-	-	111.9	157.7	101.5	-	78.9	58.7	92.2	88	92.4	96.6	82.1	-	-
Turbidity	NTU	-	2-25	25.2	5.9	3	3.9	4.4	3.8	5.7	1.2	1.9	1.28	1.35	12.3	12.9	4	11.8	6.6	52.5	51.4	73.4	-	-	-	-	-	86.8	59.70	9.8	-	58.5	18.4	45.4	10.3	6	3.2	3.1	-	-
Laboratory analytes																																								
TSS	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	13	<5	<5	<5	<5	<5	10	-	-	-	-	-	24	16	11	-	<5	6	12	62	<5	12	21	-	-
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	49	41	47	47	49	47	47	49	195	12	12	9	7	2	<1	<1	11	13	349	-	-	-	-	-	119	164	285	-	98	153	169	467	17	905	274	-	-
Nutrients																																								
Ammonia as N	µg/L	10	13	10	<10	10	20	<10	20	10	20	<10	<10	<10	<10	<10	<10	<10	<10	30	20	10	-	-	-	-	-	10	<10	30	-	500	10	10	130	<10	<10	<10	-	-
Nitrite + Nitrate as N (NOx)	µg/L	10	15	10	10	60	10	10	10	20	20	23,600	<10	<10	20	<10	10	<10	<10	60	30	47,200	-	-	-	-	-	5,700	2,300	5,460	-	6,360	14,300	15,700	75,300	<10	2,230	20	-	-
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	<100	<100	<100	<100	100	100	<100	800	<100	<100	200	<100	400	<100	<100	400	400	3,600	-	-	-	-	-	1,600	1,300	500	-	1,600	3,300	1,700	14,300	100	700	200	-	-
Nitrogen (Total)	µg/L	100	250	<100	<100	<100	<100	<100	100	100	<100	24,400	<100	<100	200	<100	400	<100	<100	500	400	50,800	-	-	-	-	-	7,300	3,600	10,000	-	8,000	17,600	17,400	89,600	100	2,900	200	-	-
Reactive Phosphorus	µg/L	1	15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	-	-	<10	<10	<10	-	<10	<10	<10	<10	<10	<10	<10	-	-
Phosphorus (Total)	µg/L	10	20	<10	50	20	10	<10	20	20	20	10	<10	<10	20	<10	20	20	<10	50	60	40	-	-	-	-	-	70	60	40	-	50	30	40	30	60	40	40		-
Inorganics																																								
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	-	-	-	-	-	<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	<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	-	-
Metals																																								
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	µg/L	5	27	<5	<5	<5	<5	<5	<5	<5	<5	13	6	6	17	19	41	18	18	25	34	13	-	-	-	-	-	6	24	<5	-	18	18	17	<5	<5	<5	<5	-	-
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	µg/L	0.2	0.8	0.5	0.2	0.4	0.5	0.4	0.4	0.4	0.5	0.3	<0.2	<0.2	<0.2	<0.2	0.2	0.2	<0.2	0.6	0.7	2.9	-	-	-	-	-	5.0	4.0	2.0	-	0.6	3.3	5.2	4.2	0.8	1.3	1.8	-	-
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	-	-	-	-	-	2.9	9.2	1.5	-	28.4	8.8	16.5	1.8	<0.2	1.9	0.5	-	-
Copper (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	µg/L	0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	1.2	<0.5	-	-	-	-	-	1.6	0.7	1.5	-	<0.5	0.6	0.9	0.9	<0.5	<0.5	<0.5	-	-
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	µg/L	7	300	8	8	9	10	8	8	8	<9	42	14	14	33	27	138	57	56	386	386	<2	-	-	-	-	-	<2	<2	<2	-	<2	<2	<2	<2	3	<2	<2	-	-
Lead (total)	µg/L	0.1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	µg/L	0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.3	<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	<0.1	-	-
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	µg/L	0.5	1,200	0.7	2.0	1.3	1.9	0.6	0.9	0.9	<1.2	70.5	1.2	1.0	2.6	1.7	27.2	2.4	2.2	32.9	2.3	<0.5	-	-	-	-	-	9.2	<0.5	<0.5	-	<0.5	0.5	1.4	3.5	1.0	<0.5	45.6	-	-
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	0.8	<0.5	-	-	-	-	-	2.5	1.0	0.8	-	<0.5	0.7	1.2	2.9	<0.5	7.7	1.9	-	-
Silver (total)	µg/L	0.01	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	µg/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	-	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-
Zinc (total)	µg/L	1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	µg/L	1	2.4	<1	<1	4	<1	<1	<1	<1	1	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	33	<1	<1	-	-

* Water Quality Objective values for surface water refer to the default trigger values for physical and chemical stressors in south-east Australia (upland rivers) for the protection of 95% of aquatic species ANZECC / ARMCANZ (2018), they are not pollutant limits imposed by EPL 21266.
- Samples not required

Monthly EPL Sampling: 01-30 November 2025 - Discharge Water

Analyte	Unit	Limit of Reporting	Discharge Criteria	EPL 41	EPL 50
Field				09 Nov 2025	09 Nov 2025
pH	pH Unit	-	6.5-8.5	7.47	5.46
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	47	80
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	210	256
Temperature	°C	-	15	18.5	16.2
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	86.6	109.9
Turbidity	NTU	-	<25	0.95	40.8
Laboratory analytes					
Total suspended solids	mg/L	5	5/10	<5	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	<1	<1
Nutrients					
Ammonia as N	µg/L	10	1000/2000^	<10	30
Nitrite + Nitrate as N (NOx)	µg/L	10	No Water Quality Objective Value	150	60
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	200
Nitrogen (Total)	µg/L	100	1500/3000^	200	300
Reactive Phosphorus	µg/L	1	No Water Quality Objective Value	<10	<10
Phosphorus (Total)	µg/L	10	300/500^	30	40
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					
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	<0.2	<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	2	3.5/5^	<2	<2

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

^ 90 Percentile concentration limit/100 Percentile limit

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-30 November 2025 - Volumes

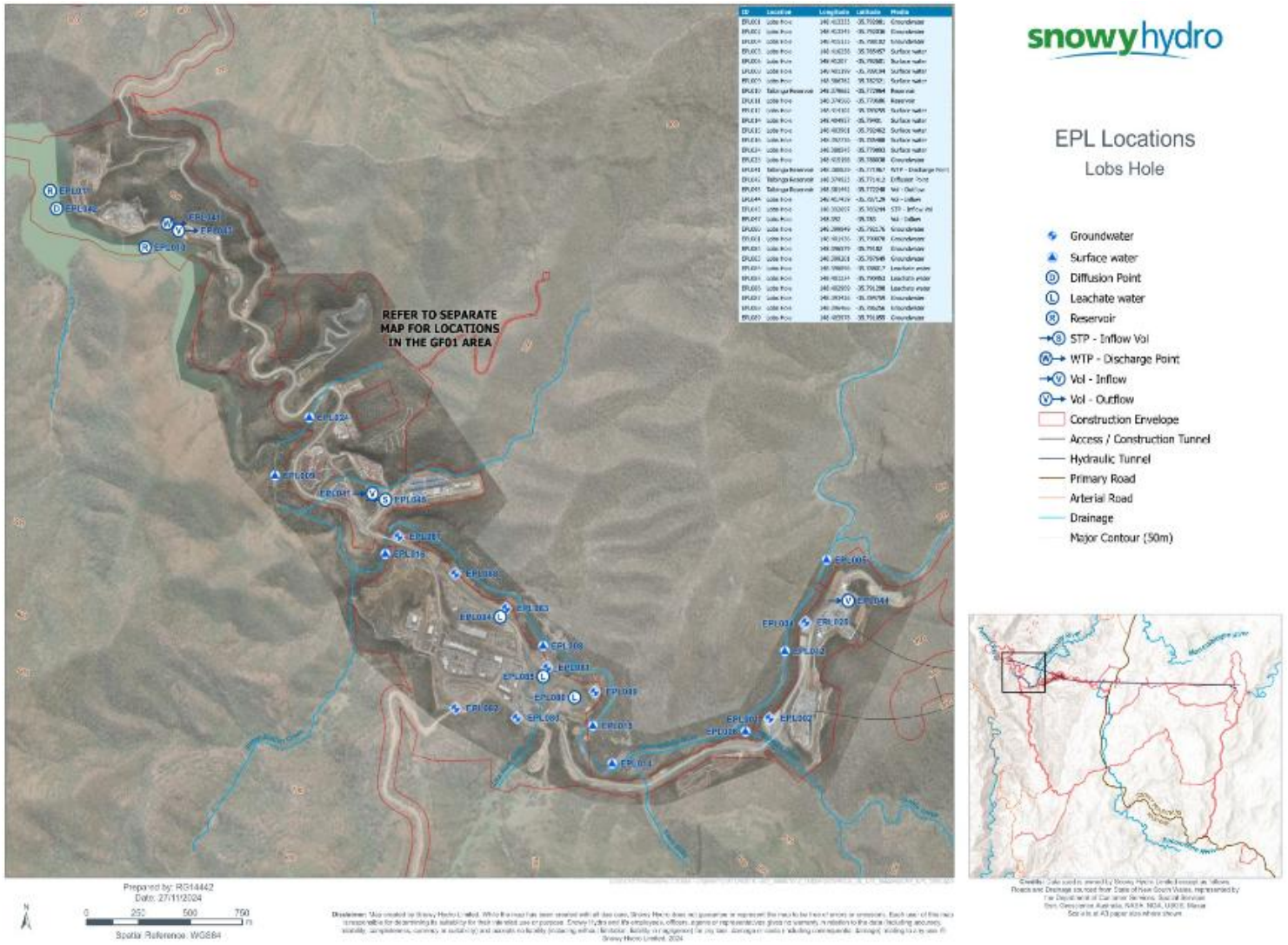
Date	EPL 43 *	EPL 50 ^
	Discharge volume (Megalitres)	
1/11/2025	1.02	0.52
2/11/2025	0.76	-
3/11/2025	-	0.25
4/11/2025	1.20	0.19
5/11/2025	0.81	0.27
6/11/2025	1.02	-
7/11/2025	1.00	0.57
8/11/2025	0.98	0.24
9/11/2025	0.19	-
10/11/2025	0.91	0.46
11/11/2025	-	0.14
12/11/2025	0.77	-
13/11/2025	0.70	0.14
14/11/2025	0.56	0.35
15/11/2025	0.94	0.18
16/11/2025	-	0.22
17/11/2025	0.43	0.32
18/11/2025	0.88	-
19/11/2025	0.66	-
20/11/2025	0.72	0.48
21/11/2025	0.65	-
22/11/2025	0.54	-
23/11/2025	0.70	0.27
24/11/2025	*	*
25/11/2025	*	*
26/11/2025	*	*
27/11/2025	*	*
28/11/2025	*	*
29/11/2025	*	*
30/11/2025	*	*

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. Volumes discharged between 24/11/2025 and 30/11/2025 are pending due to a reporting systems upgrade in progress.

APPENDIX C – MANN-KENDALL RESULTS

APPENDIX B – EPL LOCATION MAPS



snowyhydro

EPL Locations

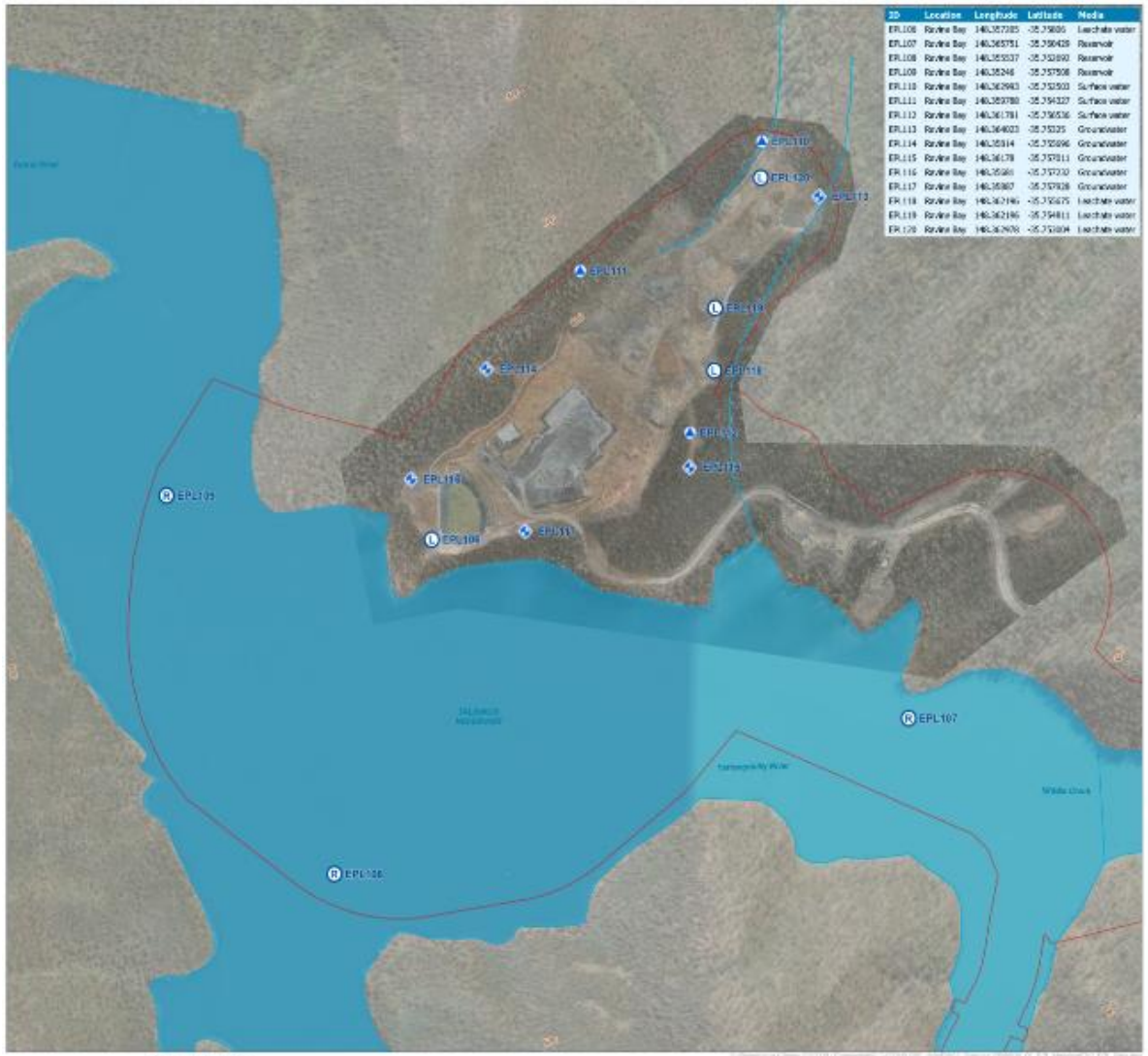
GF01

- Construction Envelope
- Groundwater
- Surface water
- Leachate water
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)

Prepared by: RG14442
Date: 27/11/2024

0 50 100 150 Meters

Spatial Reference: WGS84



snowy hydro

EPL Locations
Ravine Bay

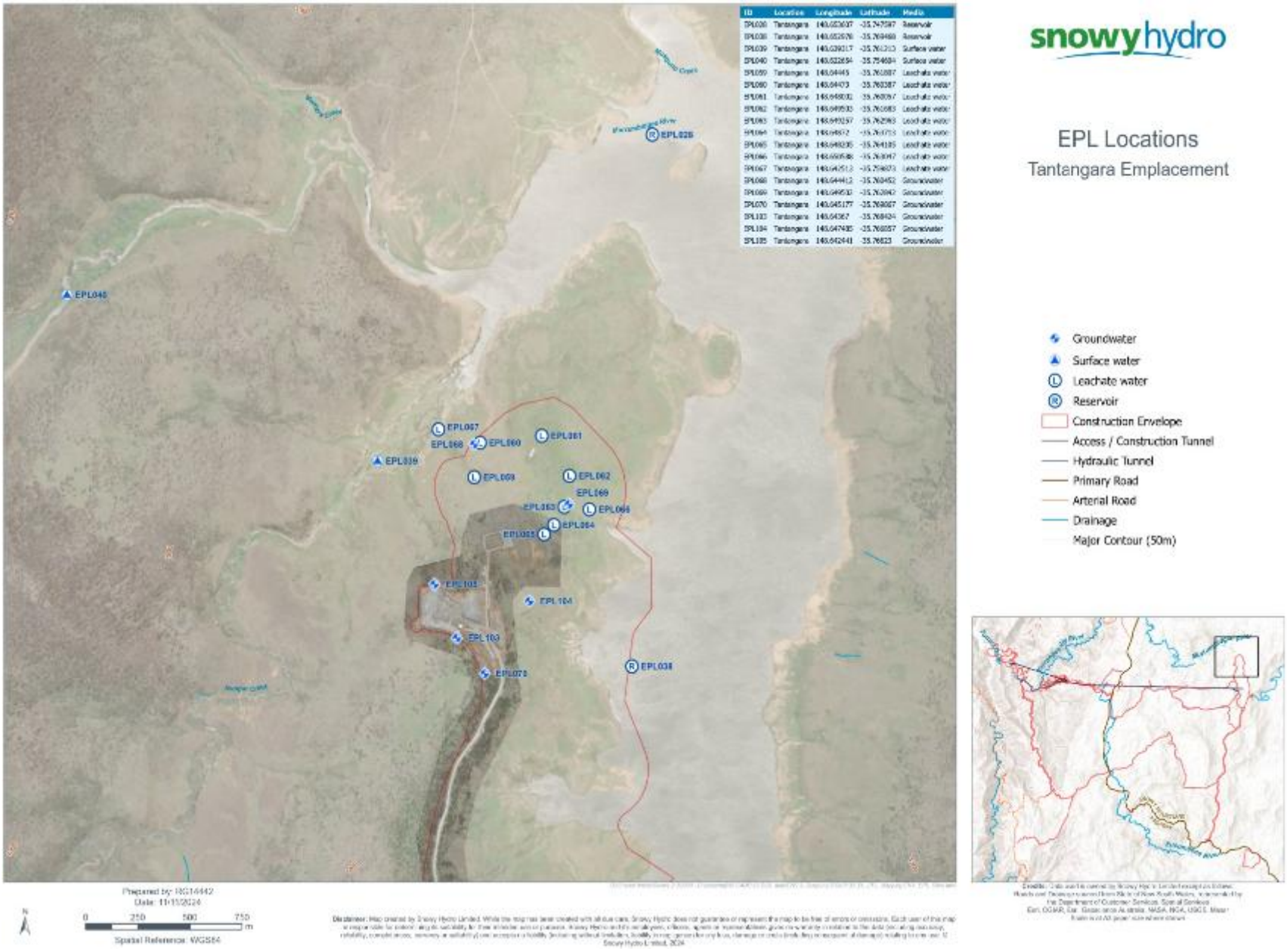
- Groundwater
- Surface water
- Leachate water
- Reservoir
- Construction Envelope
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)

snowyhydro

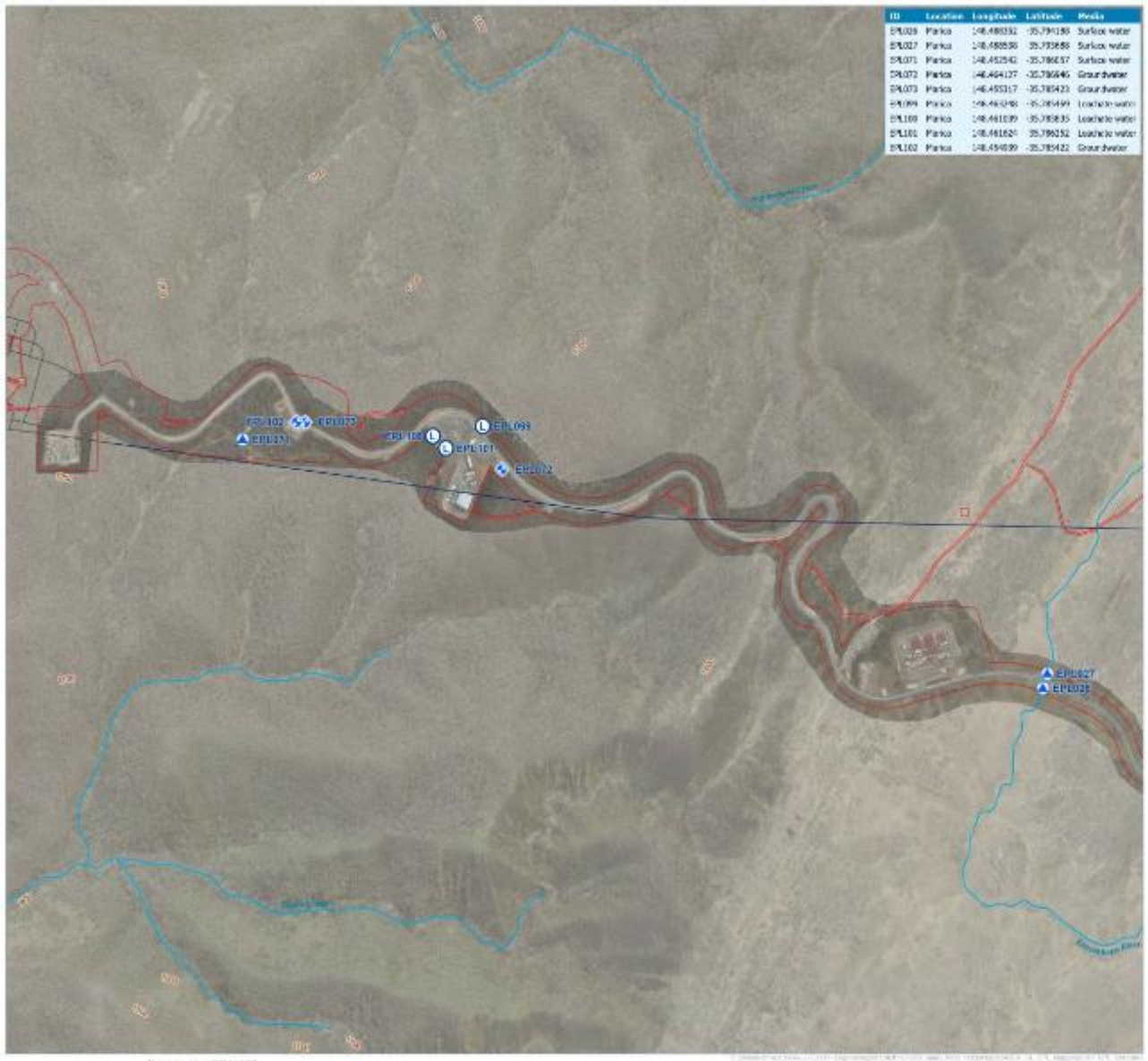
EPL Locations

Tantangara

- Surface water
- Diffusion Point
- Reservoir
- STP - Inflow Vol
- WTP - Inflow Vol
- WTP - Discharge Point
- Construction Envelope
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)



Once printed this document becomes uncontrolled



snowyhydro

EPL Locations

Marica

- Groundwater
- Surface water
- Leachate water
- Construction Envelope
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)

snowyhydro

EPL Locations

Nungar Creek

- Surface water
- Construction Envelope
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)

snowy hydro

EPL Locations

Rock Forest

- Construction Envelope
- Surface water
- Leachate water
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)

				Physiochemical	Laboratory...		Nutrients							
				Turbidity	TSS	Hardness as CaCO3 (Filtered)	Ammonia as N	Nitrite + Nitrate as N (NOx)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Reactive Phosphorus (Filtered)	Phosphorus (Total)
Site	Location Code	Well	Monitoring Unit	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MAR	EPL72			NT	NT	NT	NT	TUp	NT	TUp	NT	NT	NT	NT
LOB	EPL24				NT	TUp	NT	TUp	NT	TUp	NT	TUp	NT	NT
LOB	EPL91				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL122				NT	NT	TDn	NT	NT	NT	NT	NT	NT	NT
~~LOB~~	~~EPL90~~				~~TDn~~	~~NT~~	~~NT~~	~~NT~~	~~NT~~	~~NT~~	~~NT~~	~~NT~~	~~NT~~	~~NT~~
LOB	EPL56	BH5604	WATER		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL57	BH6402	WATER		NT	NT	NT	TUp	NT	TUp	NT	NT	NT	NT
LOB	EPL92				NT	NT	NT	TUp	NT	TUp	NT	NT	NT	NT
LOB	EPL93				NT	NT	NT	NT	NT	NT	NT	TUp	NT	NT
LOB	EPL94				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL52				NT	NT	NT	NT	NT	NT	TUp	NT	NT	NT
LOB	EPL95				NT	NT	NT	TUp	NT	TUp	NT	NT	NT	NT
LOB	EPL58	BH6401	WATER		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL55				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL97				NT	NT	NT	NT	NT	NT	NT	TUp	NT	NT
LOB	EPL109				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

				Inorganics										
				pH Colour	Sulfate as SO4 - Turbidimetric (Filtered)	Silicon as SiO2	Silicon as SiO2 (Filtered)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Anions Total	Biochemical Oxygen Demand
Site	Location Code	Well	Monitoring Unit	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	mg/L
MAR	EPL72			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL24												
LOB	EPL91												
LOB	EPL122												
LOB	EPL90												
LOB	EPL56	BH5604	WATER										
LOB	EPL57	BH6402	WATER										
LOB	EPL92												
LOB	EPL93												
LOB	EPL94												
LOB	EPL52												
LOB	EPL95												
LOB	EPL58	BH6401	WATER										
LOB	EPL55												
LOB	EPL97												
LOB	EPL109												

				Inorganics								Hydrocarbons	Metals		
				Cations Total	Chloride	Chemical Oxygen Demand	Colour	Cyanide Total	Fluoride	Sodium (Filtered)	Total Dissolved Solids (Lab)	Oil and Grease	Aluminium (Filtered)	Aluminium	Arsenic (Filtered)
Site	Location Code	Well	Monitoring Unit	meq/L	mg/L	mg/L	o	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MAR	EPL72			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL24							NT				NT	NT		NT
LOB	EPL91							NT				NT	NT		NT
LOB	EPL122							NT				NT	NT		NT
LOB	EPL90							NT				NT	NT		NT
LOB	EPL56	BH5604	WATER					NT				NT	NT	NT	NT
LOB	EPL57	BH6402	WATER					NT				NT	NT	NT	TUp
LOB	EPL92							NT				NT	NT		NT
LOB	EPL93							NT				NT	NT		NT
LOB	EPL94							NT				NT	NT		NT
LOB	EPL52							NT				NT	NT	NT	TUp
LOB	EPL95							NT				NT	NT		NT
LOB	EPL58	BH6401	WATER					NT				NT	NT	NT	NT
LOB	EPL55							NT				NT	NT	NT	NT
LOB	EPL97							NT				NT	NT		NT
LOB	EPL109							NT				NT	NT		NT

				Metals											
				Arsenic	Barium (Filtered)	Boron (Filtered)	Calcium (Filtered)	Chromium (hexavalent) (Filtered)	Chromium (hexavalent)	Chromium (III+VI) (Filtered)	Chromium (III+VI)	Chromium (Trivalent)	Copper (Filtered)	Copper	Iron (Filtered)
Site	Location Code	Well	Monitoring Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MAR	EPL72			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL24							NT		NT		NT	TUp		NT
LOB	EPL91							NT		NT		NT	NT		TDn
LOB	EPL122							NT		NT		NT	NT		TDn
LOB	EPL90							NT		NT		NT	NT		NT
LOB	EPL56	BH5604	WATER	NT				NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL57	BH6402	WATER	NT				NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL92							NT		NT		NT	NT		NT
LOB	EPL93							NT		NT		NT	NT		NT
LOB	EPL94							NT		NT		NT	NT		NT
LOB	EPL52			TUp				NT	NT	TUp	NT	NT	NT	NT	NT
LOB	EPL95							NT		NT		NT	NT		NT
LOB	EPL58	BH6401	WATER	NT				NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL55			NT				NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL97							NT		NT		NT	NT		NT
LOB	EPL109							NT		NT		NT	NT		NT

				Metals													
				Iron	Lead (Filtered)	Lead	Magnesium (Filtered)	Manganese (Filtered)	Manganese	Nickel (Filtered)	Nickel	Potassium (Filtered)	Silver (Filtered)	Silver	Strontium (Filtered)	Zinc (Filtered)
Site	Location Code	Well	Monitoring Unit	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
MAR	EPL72			NT	NT	NT	NT	TUp	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL24				NT			TUp		TUp			NT			NT
LOB	EPL91				NT			NT		NT			NT			TUp
LOB	EPL122				NT			NT		NT			NT			NT
LOB	EPL90				NT			NT		NT			NT			NT
LOB	EPL56	BH5604	WATER	NT	NT	NT		NT	NT	NT	NT		NT	NT		NT
LOB	EPL57	BH6402	WATER	NT	NT	NT		NT	NT	NT	NT		NT	NT		NT
LOB	EPL92				TDn			NT		NT			NT			NT
LOB	EPL93				NT			NT		NT			NT			NT
LOB	EPL94				NT			NT		NT			NT			NT
LOB	EPL52			NT	NT	NT		TDn	TDn	TDn	NT		NT	NT		NT
LOB	EPL95				NT			NT		NT			NT			NT
LOB	EPL58	BH6401	WATER	NT	NT	NT		NT	NT	NT	NT		NT	NT		NT
LOB	EPL55			NT	NT	NT		NT	NT	NT	NT		NT	NT		NT
LOB	EPL97				NT			TDn		NT			NT			TDn
LOB	EPL109				NT			NT		NT			NT			NT

				Physiochemical	Laboratory...		Nutrients								
				Turbidity	TSS	Hardness as CaCO3 (Filtered)	Ammonia as N	Nitrite + Nitrate as N (NOx)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Reactive Phosphorus (Filtered)	Phosphorus (Total)
Site	Location Code	Well	Monitoring Unit	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL108				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL107				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL11				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL10				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL40				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL28				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL38				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL32				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL29				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL51				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL5				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL12				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL6				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL14				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL15				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL8				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

				Inorganics										
				pH Colour	Sulfate as SO4 - Turbidimetric (Filtered)	Silicon as SiO2	Silicon as SiO2 (Filtered)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Anions Total	Biochemical Oxygen Demand
Site	Location Code	Well	Monitoring Unit	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	mg/L
LOB	EPL108												
LOB	EPL107												
LOB	EPL11												NT
LOB	EPL10												NT
TAN	EPL40												
TAN	EPL28												
TAN	EPL38												
TAN	EPL32												
TAN	EPL29												
TAN	EPL51												
LOB	EPL5												
LOB	EPL12												
LOB	EPL6												
LOB	EPL14												
LOB	EPL15												
LOB	EPL8												

				Inorganics								Hydrocarbons	Metals		
				Cations Total	Chloride	Chemical Oxygen Demand	Colour	Cyanide Total	Fluoride	Sodium (Filtered)	Total Dissolved Solids (Lab)	Oil and Grease	Aluminium (Filtered)	Aluminium	Arsenic (Filtered)
Site	Location Code	Well	Monitoring Unit	meq/L	mg/L	mg/L	o	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL108							NT				NT	NT		NT
LOB	EPL107							NT				NT	NT		NT
LOB	EPL11							NT				NT	NT		NT
LOB	EPL10							NT				NT	NT		NT
TAN	EPL40							NT				NT	NT		NT
TAN	EPL28							NT				NT	NT		NT
TAN	EPL38							NT				NT	NT		NT
TAN	EPL32							NT				NT	NT		NT
TAN	EPL29							NT				NT	NT		NT
TAN	EPL51							NT				NT	NT		NT
LOB	EPL5							NT				NT	NT		NT
LOB	EPL12							NT				NT	NT		NT
LOB	EPL6							NT				NT	NT		NT
LOB	EPL14							NT				NT	NT		NT
LOB	EPL15							NT				NT	NT		NT
LOB	EPL8							NT				NT	NT		NT

				Metals											
				Arsenic	Barium (Filtered)	Boron (Filtered)	Calcium (Filtered)	Chromium (hexavalent) (Filtered)	Chromium (hexavalent)	Chromium (III+VI) (Filtered)	Chromium (III+VI)	Chromium (Trivalent)	Copper (Filtered)	Copper	Iron (Filtered)
Site	Location Code	Well	Monitoring Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL108							NT		NT		NT	NT		NT
LOB	EPL107							NT		NT		NT	NT		NT
LOB	EPL11							NT		NT		NT	NT		NT
LOB	EPL10							NT		NT		NT	NT		NT
TAN	EPL40							NT		NT		NT	NT		NT
TAN	EPL28							NT		NT		NT	NT		NT
TAN	EPL38							NT		NT		NT	NT		NT
TAN	EPL32							NT		NT		NT	NT		NT
TAN	EPL29							NT		NT		NT	NT		NT
TAN	EPL51							NT		NT		NT	NT		NT
LOB	EPL5							NT		NT		NT	NT		NT
LOB	EPL12							NT		NT		NT	NT		NT
LOB	EPL6							NT		NT		NT	NT		NT
LOB	EPL14							NT		NT		NT	NT		NT
LOB	EPL15							NT		NT		NT	NT		NT
LOB	EPL8							NT		NT		NT	NT		NT

				Metals													
				Iron	Lead (Filtered)	Lead	Magnesium (Filtered)	Manganese (Filtered)	Manganese	Nickel (Filtered)	Nickel	Potassium (Filtered)	Silver (Filtered)	Silver	Strontium (Filtered)	Zinc (Filtered)
Site	Location Code	Well	Monitoring Unit	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
LOB	EPL108				NT			NT		NT			NT			NT
LOB	EPL107				NT			NT		NT			NT			NT
LOB	EPL11				NT			NT		NT			NT			NT
LOB	EPL10				NT			NT		NT			NT			NT
TAN	EPL40				NT			NT		NT			NT			NT
TAN	EPL28				NT			NT		NT			NT			NT
TAN	EPL38				NT			NT		NT			NT			NT
TAN	EPL32				NT			NT		NT			NT			NT
TAN	EPL29				NT			NT		NT			NT			NT
TAN	EPL51				NT			NT		NT			NT			NT
LOB	EPL5				NT			NT		NT			NT			NT
LOB	EPL12				NT			NT		NT			NT			NT
LOB	EPL6				NT			NT		NT			NT			NT
LOB	EPL14				NT			NT		NT			NT			NT
LOB	EPL15				NT			NT		NT			NT			NT
LOB	EPL8				NT			NT		NT			NT			NT

				Me...	Biological						Organic
				Zinc	Total Legionella	E. Coli	Legionella Species	Enterococci	Legionella Pneumophila	Thermotolerant Coliforms	Dissolved Organic Carbon
Site	Location Code	Well	Monitoring Unit	mg/L	CFU/100mL	CFU/100 ml	CFU/100mL	CFU/100mL	CFU/100mL	CFU/100mL	mg/L
LOB	EPL108										
LOB	EPL107										
LOB	EPL11					NT		NT		NT	
LOB	EPL10					NT		NT		NT	
TAN	EPL40										
TAN	EPL28					NT		NT		NT	
TAN	EPL38										
TAN	EPL32										
TAN	EPL29										
TAN	EPL51									NT	
LOB	EPL5										
LOB	EPL12										
LOB	EPL6										
LOB	EPL14										
LOB	EPL15										
LOB	EPL8										

				Physiochemical	Laboratory...		Nutrients								
				Turbidity	TSS	Hardness as CaCO3 (Filtered)	Ammonia as N	Nitrite + Nitrate as N (NOx)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Reactive Phosphorus (Filtered)	Phosphorus (Total)
Site	Location Code	Well	Monitoring Unit	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL9				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL16				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL30				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL31				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL70				TUp	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL103				NT	NT	NT	TUp	TUp	TUp	NT	TUp	NT	NT
TAN	EPL105				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL106				NT	TUp	TUp	NT	NT	NT	TUp	NT	NT	NT
LOB	EPL116	EPL116			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL39				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL69				TUp	TDn	NT	TDn	TUp	TDn	NT	TUp	NT	NT
TAN	EPL68				NT	NT	NT	TDn	NT	TDn	NT	TDn	NT	NT
LOB	EPL84				NT	TUp	NT	TUp	TUp	TUp	TUp	TUp	NT	NT
TAN	EPL104				TDn	TDn	TUp	TDn	NT	TDn	NT	NT	NT	TDn
LOB	EPL117	EPL117			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL85				NT	NT	NT	TUp	NT	TUp	NT	TUp	NT	NT

				Inorganics								Hydrocarbons	Metals		
				Cations Total	Chloride	Chemical Oxygen Demand	Colour	Cyanide Total	Fluoride	Sodium (Filtered)	Total Dissolved Solids (Lab)	Oil and Grease	Aluminium (Filtered)	Aluminium	Arsenic (Filtered)
Site	Location Code	Well	Monitoring Unit	meq/L	mg/L	mg/L	o	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL9							NT				NT	NT		NT
LOB	EPL16							NT				NT	NT		NT
TAN	EPL30							NT				NT	NT		NT
TAN	EPL31							NT				NT	NT		NT
TAN	EPL70							NT				NT	NT	NT	NT
TAN	EPL103							NT				NT	NT		NT
TAN	EPL105							NT				NT	TDn		NT
LOB	EPL106							NT				NT	NT		TUp
LOB	EPL116	EPL116						NT				NT	NT		NT
TAN	EPL39							NT				NT	NT		NT
TAN	EPL69							NT				NT	NT	TUp	NT
TAN	EPL68							NT				NT	NT	NT	NT
LOB	EPL84							NT				NT	NT		TUp
TAN	EPL104							NT				NT	NT		NT
LOB	EPL117	EPL117						NT				NT	NT		NT
LOB	EPL85							NT				NT	NT		NT

				Metals											
				Arsenic	Barium (Filtered)	Boron (Filtered)	Calcium (Filtered)	Chromium (hexavalent) (Filtered)	Chromium (hexavalent)	Chromium (III+VI) (Filtered)	Chromium (III+VI)	Chromium (Trivalent)	Copper (Filtered)	Copper	Iron (Filtered)
Site	Location Code	Well	Monitoring Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL9							NT		NT		NT	NT		NT
LOB	EPL16							NT		NT		NT	NT		NT
TAN	EPL30							NT		NT		NT	NT		NT
TAN	EPL31							NT		NT		NT	NT		NT
TAN	EPL70			NT				NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL103							NT		NT		NT	TDn		NT
TAN	EPL105							NT		TUp		NT	TDn		NT
LOB	EPL106							NT		NT		NT	NT		NT
LOB	EPL116	EPL116						NT		NT		NT	NT		NT
TAN	EPL39							NT		NT		NT	NT		NT
TAN	EPL69			TUp				NT	NT	NT	NT	TUp	NT	TUp	NT
TAN	EPL68			NT				NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL84							NT		NT		NT	NT		TDn
TAN	EPL104							NT		TUp		NT	NT		NT
LOB	EPL117	EPL117						NT		NT		NT	NT		NT
LOB	EPL85							NT		NT		NT	NT		NT

				Metals													
				Iron	Lead (Filtered)	Lead	Magnesium (Filtered)	Manganese (Filtered)	Manganese	Nickel (Filtered)	Nickel	Potassium (Filtered)	Silver (Filtered)	Silver	Strontium (Filtered)	Zinc (Filtered)
Site	Location Code	Well	Monitoring Unit	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
LOB	EPL9				NT			NT		NT			NT			NT
LOB	EPL16				NT			NT		NT			NT			NT
TAN	EPL30				NT			NT		NT			NT			NT
TAN	EPL31				NT			NT		NT			NT			NT
TAN	EPL70			NT	NT	NT		NT	NT	NT	NT		NT	NT		TDn
TAN	EPL103				NT			TDn		NT			NT			NT
TAN	EPL105				NT			TDn		NT			TDn			NT
LOB	EPL106				NT			NT		TDn			NT			TDn
LOB	EPL116	EPL116			NT			NT		NT			NT			NT
TAN	EPL39				NT			NT		NT			NT			NT
TAN	EPL69			TUp	NT	NT		NT	TUp	NT	TUp		NT	NT		NT
TAN	EPL68			NT	NT	TDn		TDn	NT	TDn	NT		NT	NT		NT
LOB	EPL84				NT			NT		TUp			NT			NT
TAN	EPL104				NT			TDn		TDn			NT			NT
LOB	EPL117	EPL117			NT			NT		NT			NT			NT
LOB	EPL85				NT			NT		NT			NT			NT

				Me...	Biological						Organic
				Zinc	Total Legionella	E. Coli	Legionella Species	Enterococci	Legionella Pneumophila	Thermotolerant Coliforms	Dissolved Organic Carbon
Site	Location Code	Well	Monitoring Unit	mg/L	CFU/100mL	CFU/100 ml	CFU/100mL	CFU/100mL	CFU/100mL	CFU/100mL	mg/L
LOB	EPL9										
LOB	EPL16										
TAN	EPL30										
TAN	EPL31										
~~TAN~~	~~EPL70~~			NT							
TAN	EPL103										
TAN	EPL105										
LOB	EPL106										
LOB	EPL116	EPL116									
TAN	EPL39										
TAN	EPL69			TUp							
TAN	EPL68			NT							
LOB	EPL84										
TAN	EPL104										
LOB	EPL117	EPL117									
LOB	EPL85										

				Physiochemical	Laboratory...		Nutrients							
				Turbidity	TSS	Hardness as CaCO3 (Filtered)	Ammonia as N	Nitrite + Nitrate as N (NOx)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Reactive Phosphorus (Filtered)	Phosphorus (Total)
Site	Location Code	Well	Monitoring Unit	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL114	EPL114			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL86				NT	NT	NT	TDn	NT	TDn	NT	TDn	NT	NT
LOB	EPL81	BH6405			TDn	TDn	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL128				NT	TUp	NT	NT	NT	NT	NT	NT	NT	NT
~~LOB~~	~~EPL88~~				~~NT~~	~~NT~~	~~TUp~~	~~NT~~	~~TUp~~	~~NT~~	~~NT~~	~~TUp~~	~~NT~~	~~NT~~
LOB	EPL83	BH6407			NT	NT	NT	NT	NT	NT	NT	NT	TDn	NT
TAN	EPL33				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL34				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL35				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL115	EPL115			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL89				NT	TUp	NT	TDn	NT	TDn	NT	NT	NT	TUp
LOB	EPL41				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL87				NT	NT	NT	TDn	NT	TDn	NT	NT	NT	NT
LOB	EPL80	BH6406			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL82	BH6408			NT	TDn	NT	NT	TUp	NT	NT	TUp	NT	NT
LOB	EPL110				NT	NT	NT	NT	NT	NT	NT	NT	NT	TUp

				Inorganics										
				pH Colour	Sulfate as SO4 - Turbidimetric (Filtered)	Silicon as SiO2	Silicon as SiO2 (Filtered)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Anions Total	Biochemical Oxygen Demand
Site	Location Code	Well	Monitoring Unit	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	mg/L
LOB	EPL114	EPL114											
LOB	EPL86												
LOB	EPL81	BH6405											
LOB	EPL128												
LOB	EPL88												
LOB	EPL83	BH6407											
TAN	EPL33												
TAN	EPL34												
TAN	EPL35												
LOB	EPL115	EPL115											
LOB	EPL89												
LOB	EPL41												NT
LOB	EPL87												
LOB	EPL80	BH6406											
LOB	EPL82	BH6408											
LOB	EPL110												

				Inorganics								Hydrocarbons	Metals		
				Cations Total	Chloride	Chemical Oxygen Demand	Colour	Cyanide Total	Fluoride	Sodium (Filtered)	Total Dissolved Solids (Lab)	Oil and Grease	Aluminium (Filtered)	Aluminium	Arsenic (Filtered)
Site	Location Code	Well	Monitoring Unit	meq/L	mg/L	mg/L	o	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL114	EPL114						NT				NT	NT		NT
LOB	EPL86							NT				NT	NT		NT
LOB	EPL81	BH6405						NT				NT	NT		NT
LOB	EPL128							NT				NT	NT		NT
LOB	EPL88							NT				NT	NT		TUp
LOB	EPL83	BH6407						NT				NT	NT		NT
TAN	EPL33							NT				NT	NT		NT
TAN	EPL34							NT				NT	NT		NT
TAN	EPL35							NT				NT	NT		NT
LOB	EPL115	EPL115						NT				NT	NT		NT
LOB	EPL89							NT				NT	NT		NT
LOB	EPL41							NT				NT	NT		NT
LOB	EPL87							NT				NT	NT		NT
LOB	EPL80	BH6406						NT				NT	NT		NT
LOB	EPL82	BH6408						NT				NT	NT		NT
LOB	EPL110							NT				NT	NT		TUp

				Metals												
				Arsenic	Barium (Filtered)	Boron (Filtered)	Calcium (Filtered)	Chromium (hexavalent) (Filtered)	Chromium (hexavalent)	Chromium (III+VI) (Filtered)	Chromium (III+VI)	Chromium (Trivalent)	Copper (Filtered)	Copper	Iron (Filtered)
Site	Location Code	Well	Monitoring Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL114	EPL114						NT		NT		NT	NT		NT
LOB	EPL86							NT		NT		NT	TDn		NT
LOB	EPL81	BH6405						NT		NT		NT	NT		NT
LOB	EPL128							NT		NT		NT	NT		NT
LOB	EPL88							NT		NT		NT	TDn		TUp
LOB	EPL83	BH6407						TDn		NT		NT	NT		NT
TAN	EPL33							NT		NT		NT	NT		NT
TAN	EPL34							NT		NT		NT	NT		NT
TAN	EPL35							NT		NT		NT	NT		NT
LOB	EPL115	EPL115						NT		NT		NT	NT		NT
LOB	EPL89							NT		NT		NT	NT		NT
LOB	EPL41							NT		NT		NT	NT		NT
LOB	EPL87							NT		NT		NT	TDn		NT
LOB	EPL80	BH6406						NT		NT		NT	NT		NT
LOB	EPL82	BH6408						NT		NT		NT	NT		NT
LOB	EPL110							NT		NT		NT	NT		NT

				Metals													
				Iron	Lead (Filtered)	Lead	Magnesium (Filtered)	Manganese (Filtered)	Manganese	Nickel (Filtered)	Nickel	Potassium (Filtered)	Silver (Filtered)	Silver	Strontium (Filtered)	Zinc (Filtered)
Site	Location Code	Well	Monitoring Unit	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
LOB	EPL114	EPL114			NT			NT		NT			NT			NT
LOB	EPL86				NT			TDn		TDn			NT			NT
LOB	EPL81	BH6405			NT			NT		TDn			NT			NT
LOB	EPL128				NT			TUp		NT			NT			TDn
LOB	EPL88				NT			NT		NT			NT			TDn
LOB	EPL83	BH6407			NT			NT		TUp			NT			NT
TAN	EPL33				NT			NT		NT			NT			NT
TAN	EPL34				NT			NT		NT			NT			NT
TAN	EPL35				NT			NT		NT			NT			NT
LOB	EPL115	EPL115			NT			NT		NT			NT			NT
LOB	EPL89				NT			NT		TUp			NT			NT
LOB	EPL41				NT			NT		NT			NT			NT
LOB	EPL87				NT			TDn		TDn			NT			NT
LOB	EPL80	BH6406			NT			NT		NT			NT			NT
LOB	EPL82	BH6408			NT			NT		TDn			NT			NT
LOB	EPL110				NT			NT		NT			NT			TUp

				Me...	Biological						Organic
				Zinc	Total Legionella	E. Coli	Legionella Species	Enterococci	Legionella Pneumophila	Thermotolerant Coliforms	Dissolved Organic Carbon
Site	Location Code	Well	Monitoring Unit	mg/L	CFU/100mL	CFU/100 ml	CFU/100mL	CFU/100mL	CFU/100mL	CFU/100mL	mg/L
LOB	EPL114	EPL114									
LOB	EPL86										
LOB	EPL81	BH6405									
LOB	EPL128										
LOB	EPL88										
LOB	EPL83	BH6407									
TAN	EPL33										
TAN	EPL34										
TAN	EPL35										
LOB	EPL115	EPL115									
LOB	EPL89										
LOB	EPL41					NT		NT		NT	
LOB	EPL87										
LOB	EPL80	BH6406									
LOB	EPL82	BH6408									
LOB	EPL110										

				Physiochemical	Laboratory...		Nutrients								
				Turbidity	TSS	Hardness as CaCO3 (Filtered)	Ammonia as N	Nitrite + Nitrate as N (NOx)	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total)	Reactive Phosphorus (Filtered)	Phosphorus (Total)
Site	Location Code	Well	Monitoring Unit	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL113	EPL113			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL96				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL119				TDn	TUp	NT	TDn	TUp	TDn	NT	NT	NT	NT
LOB	EPL118				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LOB	EPL120				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MAR	EPL99				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MAR	EPL26				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MAR	EPL27				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL126	EPI126			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL123	EPL123			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL124	EPL124	Silty Sandy CLAY		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL125	EPL125			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL36				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL127	EPI127			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ROC	EPL37				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TAN	EPL50				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

				Inorganics										
				pH Colour	Sulfate as SO4 - Turbidimetric (Filtered)	Silicon as SiO2	Silicon as SiO2 (Filtered)	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Anions Total	Biochemical Oxygen Demand
Site	Location Code	Well	Monitoring Unit	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	mg/L
LOB	EPL113	EPL113											
LOB	EPL96												
LOB	EPL119												
LOB	EPL118												
LOB	EPL120												
MAR	EPL99												
MAR	EPL26												
MAR	EPL27												
ROC	EPL126	EPI126											
ROC	EPL123	EPL123											
ROC	EPL124	EPL124	Silty Sandy CLAY										
ROC	EPL125	EPL125											
ROC	EPL36												
ROC	EPL127	EPI127											
ROC	EPL37												
TAN	EPL50												NT

				Inorganics								Hydrocarbons	Metals		
				Cations Total	Chloride	Chemical Oxygen Demand	Colour	Cyanide Total	Fluoride	Sodium (Filtered)	Total Dissolved Solids (Lab)	Oil and Grease	Aluminium (Filtered)	Aluminium	Arsenic (Filtered)
Site	Location Code	Well	Monitoring Unit	meq/L	mg/L	mg/L	o	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL113	EPL113						NT				NT	NT		NT
LOB	EPL96							NT				NT	NT		NT
LOB	EPL119							NT				NT	TDn		TUp
LOB	EPL118							NT				NT	NT		NT
~~LOB~~	~~EPL120~~							~~NT~~				~~NT~~	~~NT~~		~~NT~~
MAR	EPL99							NT				NT	NT		NT
MAR	EPL26							NT				NT	NT		NT
MAR	EPL27							NT				NT	NT		NT
ROC	EPL126	EPI126						NT				NT	NT		NT
ROC	EPL123	EPL123						NT				NT	NT		NT
ROC	EPL124	EPL124	Silty Sandy CLAY					NT				NT	NT		NT
ROC	EPL125	EPL125						NT				NT	NT		NT
ROC	EPL36							NT				NT	NT		NT
ROC	EPL127	EPI127						NT				NT	NT		NT
ROC	EPL37							NT				NT	NT		NT
TAN	EPL50							NT				NT	NT		NT

				Metals												
				Arsenic	Barium (Filtered)	Boron (Filtered)	Calcium (Filtered)	Chromium (hexavalent) (Filtered)	Chromium (hexavalent)	Chromium (III+VI) (Filtered)	Chromium (III+VI)	Chromium (Trivalent)	Copper (Filtered)	Copper	Iron (Filtered)
Site	Location Code	Well	Monitoring Unit	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOB	EPL113	EPL113						NT		NT		NT	NT		NT
LOB	EPL96							NT		NT		NT	NT		NT
LOB	EPL119							NT		TUp		TUp	NT		TDn
LOB	EPL118							NT		NT		NT	NT		NT
LOB	EPL120							NT		NT		NT	NT		NT
MAR	EPL99							NT		NT		NT	NT		NT
MAR	EPL26							NT		NT		NT	NT		NT
MAR	EPL27							NT		NT		NT	NT		NT
ROC	EPL126	EPI126						NT		NT		NT	NT		NT
ROC	EPL123	EPL123						NT		NT		NT	NT		NT
ROC	EPL124	EPL124	Silty Sandy CLAY					NT		NT		NT	NT		NT
ROC	EPL125	EPL125						NT		NT		NT	NT		NT
ROC	EPL36							NT		NT		NT	NT		NT
ROC	EPL127	EPI127						NT		NT		NT	NT		NT
ROC	EPL37							NT		NT		NT	NT		NT
TAN	EPL50							NT		NT		NT	NT		NT

				Metals													
				Iron	Lead (Filtered)	Lead	Magnesium (Filtered)	Manganese (Filtered)	Manganese	Nickel (Filtered)	Nickel	Potassium (Filtered)	Silver (Filtered)	Silver	Strontium (Filtered)	Zinc (Filtered)
Site	Location Code	Well	Monitoring Unit	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
LOB	EPL113	EPL113			NT			NT		NT			NT			NT
LOB	EPL96				NT			NT		NT			NT			NT
LOB	EPL119				TDn			NT		TUp			NT			TDn
LOB	EPL118				NT			NT		NT			NT			NT
LOB	EPL120				NT			NT		NT			NT			NT
MAR	EPL99				NT			NT		NT			NT			NT
MAR	EPL26				NT			NT		NT			NT			NT
MAR	EPL27				NT			NT		NT			NT			NT
ROC	EPL126	EPI126			NT			NT		NT			NT			NT
ROC	EPL123	EPL123			NT			NT		NT			NT			NT
ROC	EPL124	EPL124	Silty Sandy CLAY		NT			NT		NT			NT			NT
ROC	EPL125	EPL125			NT			NT		NT			NT			NT
ROC	EPL36				NT			NT		NT			NT			NT
ROC	EPL127	EPI127			NT			NT		NT			NT			NT
ROC	EPL37				NT			NT		NT			NT			NT
TAN	EPL50				NT			NT		NT			NT			NT

				Me...	Biological						Organic
				Zinc	Total Legionella	E. Coli	Legionella Species	Enterococci	Legionella Pneumophila	Thermotolerant Coliforms	Dissolved Organic Carbon
Site	Location Code	Well	Monitoring Unit	mg/L	CFU/100mL	CFU/100 ml	CFU/100mL	CFU/100mL	CFU/100mL	CFU/100mL	mg/L
LOB	EPL113	EPL113									
LOB	EPL96										
LOB	EPL119										
LOB	EPL118										
LOB	EPL120										
MAR	EPL99										
MAR	EPL26										
MAR	EPL27										
ROC	EPL126	EPI126									
ROC	EPL123	EPL123									
ROC	EPL124	EPL124	Silty Sandy CLAY								
ROC	EPL125	EPL125									
ROC	EPL36										
ROC	EPL127	EPI127									
ROC	EPL37										
TAN	EPL50				NT	NT	NT	NT	NT	NT	