



Snowy Hydro 2.0 Main Works EPL Sampling: 01 - 31 January 2026



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 26 September 2025, and the approved Water Management Plan to ensure that works are not impacting on nearby receiving waters.

Surface Water Results: Lobs Hole Surface Water monitoring has recorded an upward trend in Total Kjeldahl Nitrogen (TKN) at upstream locations EPL5 (300 µg/L) and EPL12 (600 µg/L). These TKN elevations are the primary drivers of the reported Total Nitrogen concentrations. Additionally, while Hardness (as CaCO3) increased across all Lobs Hole surface monitoring points (ranging from 9 mg/L to 80 mg/L), these values align with the baseline data for summer/dry conditions as defined in the Surface Water Management Plan. Concerning Tantangara, Total Nitrogen concentrations across all sites trended downward and remained within the WQO. However, some exceedances for Ammonia (as N) were noted at EPL30 and EPL34. These are likely attributable to surrounding animal activity rather than project-related impacts. Monitoring points EPL26 and EPL27 are compliant with all WQO standards for Nutrients. The total rain recorded for January was 27.6mm, which is a large contributing factor in the environmental conditions around the smaller streams and reporting locations which have not been flowing throughout the month.

Reservoir Results: Monitoring at Talbingo Reservoir has identified a significant increase in surface temperatures compared to the previous two reporting periods. This seasonal warming has likely driven a rise in nutrient concentrations notably at EPL109, which recorded 400 µg/L for Total Nitrogen (driven primarily by TKN). Additionally, declining reservoir water levels have resulted in increasing turbidity (NTU) and heightened algal activity within the reservoir. A notable increase in E. coli concentrations was recorded at EPL11 during this period. It is important to highlight that these levels are consistent with seasonal environmental conditions and typically align with higher summer temperatures. Tantangara Reservoir sites continue to show stable trends. Notably, Ammonia at EPL28 dropped from 120 µg/L to <10 µg/L (meeting WQO). Although Total Nitrogen increased at this same site, the elevation is unrelated to project works, as EPL28 represents an upstream reference location.

Discharge Results: As per the latest revision EPL21266, only water within discharge criteria can be released into Talbingo and Tantangara reservoirs from the final discharge points. FGJV is committed to mitigating environmental impacts, so the Environmental Team only permits discharge if all parameters are within WQO's.

Groundwater Results: During the January monitoring period, exceedances of pH and other water quality parameters were observed at both upstream and downstream locations across Marica, Tantangara and Lobs Hole. While upstream electrical conductivity concentrations at EPL56 and EPL57 remained stable (between 232 µS/cm and 262 µS/cm), significant elevations were noted at EPL58 and EPL95, ranging from 800 µS/cm to 950 µS/cm, in comparison with the upgradient conditions. It is important to note that these locations are subject to weekly testing and are situated within active rehabilitation areas. Regarding the nitrogen trends within the reporting period, nutrient concentrations have been recorded in locations which frequently report higher concentration levels outside of the WQO's within GF01 upgradient and downgradient bores, Mainyard (EPL97) which is below the basins and the last borehole location along the downgradient of the natural watercourse. Tantangara emplacement locations both upgradient and downgradient that usually report slightly greater concentrations have remained steady in their exceedances. Increases have been observed in filtered Iron and Chromium at EPL90; however, these fluctuations align with historical trends for this site. Regarding Tantangara Groundwater, most locations remain consistent with historical baselines. Notably, EPL69 and EPL70 showed a downward trend in several metals, including Iron, Lead, Manganese, and Nickel, during this period.

Leachate results: Leachate analysis revealed minor exceedances in pH, electrical conductivity (EC), dissolved oxygen (DO), and turbidity, including comprehensive analytes, these results are within expectations for locations storing leachate water. Elevated nutrients were primarily observed in leachate basin locations and will be discussed further in the dedicated leachate results section.

[illegible]

Reservoir[illegible]

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-31 January 2026 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*
Field			
pH	-	-	8-9
Electrical Conductivity	µS/cm	-	30-350
Dissolution Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	80-110
Turbidity	NTU	-	2-25
Laboratory analyses			
TSS	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	13
Nitrite + Nitrate as N (NO _x)	µg/L	10	15
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrogen (f total)	µg/L	100	250
Reactive Phosphorus	µg/L	10	15
Phosphorus (f total)	µg/L	10	No Water Quality Objective Value
Inorganics			
Cyanide Total	mg/L	4	4
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	-	27
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value
Arsenic (dissolved)	µg/L	-	5
Chromium (Hex-VI) (total)	µg/L	0.2	No Water Quality Objective Value
Chromium (Hex-VI) (dissolved)	µg/L	-	0.01
Copper (total)	µg/L	0.5	No Water Quality Objective Value
Copper (dissolved)	µg/L	-	1
Iron (total)	µg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	-	300
Lead (total)	µg/L	0.1	No Water Quality Objective Value
Lead (dissolved)	µg/L	-	1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	-	1,200
Nickel (total)	µg/L	0.5	No Water Quality Objective Value
Nickel (dissolved)	µg/L	-	8
Silver (total)	µg/L	0.01	No Water Quality Objective Value
Silver (dissolved)	µg/L	-	0.02
Zinc (total)	µg/L	1	No Water Quality Objective Value
Zinc (dissolved)	µg/L	-	2.4

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	
9/01/26	9/01/26	9/01/26	9/01/26	9/01/26	9/01/26	9/01/26	9/01/26	Dry	17/01/26	17/01/26	13/01/26	13/01/26	13/01/26	13/01/26	13/01/26	24/01/26	24/01/26	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	17/1/2026	Dry	17/1/2026	3/01/2026	Dry	Dry	3/01/26	Dry	Dry
8.31	8.17	8.11	8.27	8.36	8.27	8.35	8.58	Dry	6.38	6.63	7.42	7.29	7.35	7.84	7.56	8.35	8.57	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	7.62	Dry	6.17	8.01	Dry	Dry	8.38	Dry	Dry	
155	150	172	157	156	154	156	155	Dry	86	46	39	31	29	41	38	48	60	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	384	Dry	901	2,120.00	Dry	Dry	2870	Dry	Dry	
184	192	194	193	187	191	192	180	Dry	176	148	192	195	197	173	182	178	206	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	82	Dry	196	65	Dry	Dry	303	Dry	Dry	
21.36	21.07	24.42	24.39	21.61	22.52	24.26	29.88	Dry	11.18	11.21	15.63	15.52	19.75	14.49	14.53	18.49	22.99	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	14.12	Dry	11.41	23.01	Dry	Dry	25.93	Dry	Dry	
88.3	77.8	64	85.4	81.6	75	87.6	100.9	Dry	87.8	46.8	74.8	65.7	72.9	90.1	78.7	80.3	65.7	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	70.1	Dry	70.1	118.5	Dry	Dry	66.8	Dry	Dry	
4.7	0.8	1.14	0.85	2.6	0.74	0.67	0.4	Dry	10.2	1.7	1.97	0.7	22.1	0.4	1.68	11.2	70.9	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	38.4	Dry	145	28.2	Dry	Dry	1.6	Dry	Dry	
<5	<5	<5	<5	<5	<5	<5	<5	<5	12	<5	<5	<5	<5	<5	<5	<5	24	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	21	Dry	38	<5	Dry	Dry	10	Dry	Dry	
80	72	80	80	80	77	80	71	16	16	13	9	9	13	13	13	13	17	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	118	Dry	211	518	Dry	Dry	556	Dry	Dry	
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	60	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	3,180	Dry	60	40	Dry	Dry	10	Dry	Dry	
30	<10	90	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	20	20	10	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	9,220	Dry	18,588	78,800	Dry	Dry	<10	Dry	Dry	
300	100	<100	<100	600	<100	<100	<100	200	<100	<100	<100	<100	<100	<100	<100	<100	200	200	100	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	2,700	Dry	4,000	7,200	Dry	Dry	200	Dry	Dry	
300	100	<100	<100	600	<100	<100	<100	300	<100	<100	<100	<100	<100	<100	<100	<100	200	200	100	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	11,900	Dry	22,500	86,000	Dry	Dry	200	Dry	Dry	
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<10	Dry	<10	20	Dry	10	Dry	Dry		
<10	10	10	<10	20	<10	<10	<10	30	20	20	20	10	<10	<10	<10	20	20	90	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	88	Dry	160	30	Dry	Dry	<10	Dry	Dry
<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<4	Dry	<4	4	Dry	Dry	<4	Dry	Dry	
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<1.0	Dry	<1.0	<1.0	Dry	Dry	<1.0	Dry	Dry	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	17	18	37	14	16	10	32	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	8	Dry	<5	<5	Dry	Dry	<5	Dry	Dry	
0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.5	<0.2	<0.2	<0.2	<0.2	0.3	0.2	0.3	0.3	0.3	0.6	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	4.4	Dry	3.5	2.7	Dry	Dry	1.8	Dry	Dry	
<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	<0.2	<0.2	0.2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	2.8	Dry	2.3	1.4	Dry	Dry	0.6	Dry	Dry
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	0.5	Dry	1.1	0.5	Dry	Dry	<0.5	Dry	Dry
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	28	15	11	6	8	8	10	43	19	52	39	256	88	107	161	161	366	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<2	Dry	<2	3	Dry	Dry	<2	Dry	Dry
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<0.1	Dry	<0.1	<0.1	Dry	Dry	<0.1	Dry	Dry
3.9	4.4	2	2.7	1.1	1	1.7	2.2	5.9	2.3	2.2	1.9	1.8	3.6	3.9	69	69	1.2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<0.5	Dry	12.4	0.8	Dry	Dry	<0.5	Dry	Dry	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<0.5	Dry	2.1	1.9	Dry	Dry	4	Dry	Dry
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<0.01	Dry	<0.01	<0.01	Dry	Dry	<0.01	Dry	Dry
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<3	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<1	Dry	<1	<1	Dry	Dry	<3	Dry	Dry	

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*
Flow Rate			
Inflow [#]	ML/day	-	-
Outflow [#]	ML/day	-	4.32 (EPL 43 / 50)
Field			
pH	pH Unit	-	6.5-8.5
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value
Turbidity	NTU	-	<25
Laboratory analytes			
Total suspended solids	mg/L	5	5
Hardness as CaCO ₃ (filtered)	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	1
Nitrogen (Total)	µg/L	100	1.5
Phosphorus (Total)	µg/L	10	0.3
Inorganics			
Cyanide Total	µg/L	4	No Water Quality Objective Value
Hydrocarbons			
Oil and Grease	mg/L	1	2
Metals			
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Chromium (III+VI) (dissolved)	µg/L	0.2	1
Copper (dissolved)	µg/L	0.5	14
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Silver (dissolved)	µg/L	0.01	0.05
Zinc (dissolved)	µg/L	1	8
Biological			
Faecal Coliforms	CFU/100mL	1	10
Biological Oxygen Demand	mg/L	2	3.5

EPL 41	EPL 50
14/1/2026	26/1/2026
-	-
-	-
8.26	7.36
28	111.9
136	117.9
25.73	20.7
94.3	86.8
1.1	0.56
<5	<5
<1	<1
<10	80
<100	900
<10	<10
<4	<4
<1.0	<1.0
<5	<5
<0.2	0.2
<0.2	0.8
<0.5	<0.5
<2	<2
<0.1	<0.1
<0.5	<0.5
<0.5	<0.5
<0.01	<0.01
<1	<1
<1	<1
<2	<2



Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-31 January 2026 - Volumes

Date
1/01/2026
2/01/2026
3/01/2026
4/01/2026
5/01/2026
6/01/2026
7/01/2026
8/01/2026
9/01/2026
10/01/2026
11/01/2026
12/01/2026
13/01/2026
14/01/2026
15/01/2026
16/01/2026
17/01/2026
18/01/2026
19/01/2026
20/01/2026
21/01/2026
22/01/2026
23/01/2026
24/01/2026
25/01/2026
26/01/2026
27/01/2026
28/01/2026
29/01/2026
30/01/2026
31/01/2026

EPL 43 *	EPL 50 ^
Discharge volume (Megalitres)	
-	0.18
0.45	-
0.43	-
0.37	0.53
0.24	-
-	0.54
0.29	-
-	0.36
-	-
-	-
-	-
-	0.18
-	0.28
-	0.56
-	0.19
-	-
0.30	0.30
-	0.55
-	0.39
-	0.35
-	0.31
-	0.29
-	0.19
-	-
-	0.28
-	0.14
-	-
-	-
-	-
-	0.12
-	-

- 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.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring January 2026

Table 1 - Surface Water Quality Data
River and Minor Watercourses

Water Quality Objectives												
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
9/01/2026 9:41	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	21.36	88.3	7.81	155	101	8.31	184	4.7	Sunny day, high temperature raised lately, the flow decreased significatly in comparation with the previous periods, very clear water, no odour	Elevated pH and low DO (%) is representative of seasonal temperature increases and is within baseline water quality results summary found in the surface water management plan, (Table D.1 page 126), which refers to frequent exceedances during the summer / autumn months in both pH and DO.
9/01/2026 10:10	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	21.07	77.8	6.93	150	98	8.17	192	0.8	Sunny day, very low and slow flowing, clear water, no odour	Low DO (%) and elevated pH is consistent with seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan, stating that frequent exceedances in DO and pH in the summer months (Table D.1 page 126). Low turbidity is consistent with the upstream locations and considered ambient for a clear water stream.
9/01/2026 11:08	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	24.42	64	5.34	172	112	8.13	194	1.14	Sunny day, warn water, clear water, low flowing, no odour	Low DO (%) and elevated pH is considered as seasonal due to temperature increases and is within the baseline surface water quality results summary in the SWMP (Table D.1 page 126). Low turbidity is consistent with the upstream locations.
9/01/2026 11:23	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	24.39	85.4	7.13	157	102	8.27	193	0.85	Sunny day, warn water, slow flow, the water level has reduced, clear water, no odour	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary (Table D.1 page 126) in the surface water management plan. Low turbidity is consistent with the upstream locations and considered ambient for a clear water stream.
9/01/2026 9:55	EPL12	Yarrangobilly River, immediately downstream of portal pad	21.61	81.6	7.19	156	101	8.36	187	2.6	Sunny day, low flowing, very clear water, no odour	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan (Table D.1 page 126).
9/01/2026 10:24	EPL14	Yarrangobilly River, downstream of road construction areas	22.52	75	6.49	154	100	8.27	191	0.74	Sunny day, very warm day, low and slow flow, very clear water, no odour	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan (Table D.1 page 126). Low turbidity is consistent with the upstream locations.
9/01/2026 10:55	EPL15	Yarrangobilly River, downstream of road construction areas	24.26	67.6	5.66	156	101	8.33	192	0.67	Synny day, low and slow flowing, no odour, very clear water	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan (Table D.1 page 126) stating frequent exceedances during the warmer summer and autumn months. Low turbidity is consistent with the upstream locations.
9/01/2026 14:17	EPL16	Yarrangobilly River, downstream of road construction areas	29.88	100.9	7.64	155	101	8.58	180	0.4	Hot sunny day. No recent rain. Very warm water. Very clear. No odours.	Elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management (Table D.1 page126) plan.
9/01/2026 11:37	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	-	-	-	-	-	-	-	-	Very reduced flow and not representative for sampling	Location was not sampled due to low water levels and it's not representative for sampling.
17/01/2026 7:30	EPL26	Eucumbene River downstream of Marica Road	11.18	87.8	9.64	86	56	6.38	176	10.2	Low flow, evidence of animal activity, slight sheen in the still water to the side (see photo). No sheen in running water, no odors. Cold windy day, rainfall on and off prev 24hrs.	The recorded concentrations are representative of the upgradient environmental conditions consistently observed within previous monitoring rounds at this location due to the lack of construction activities in this area. A slight sheen is noticable in an indentation caused by hard hooved animals on the edge of the waterway.
17/01/2026 7:39	EPL27	Eucumbene River upstream of Marica Road	11.21	46.8	5.13	46	30	6.63	148	1.7	Low flow, water seems still - not rushing. No odors, no sheens, very cold and windy day. Little rain within 24hrs. QA taken here	Physio-chemical measurements are consistent with the environmental conditions observed at this upgradient location.
13/01/2026 9:37	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	15.63	74.8	7.43	39	25	7.42	192	1.97	Clear day. No recent rain. Water clear. Low flow and level. Turbity measured with Hach meter.	Low DO% is historically consistent with previous sampling rounds.
13/01/2026 9:51	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	15.52	63.7	6.35	31	20	7.29	195	0.7	Clear day. No recent rain. Water clear. Low flow and level. Signs of hard hooved animal activity near sample point.	Low DO% is historically consistent with previous sampling rounds at this upgradient location.
13/01/2026 9:10	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	19.75	72.9	6.66	29	19	7.35	197	22.1	Clear day. No recent rain. Water clear. Water level low. Medium flow. Reservoir discharging at time of sample collection.	Low EC and DO (%) is representative of the environmental conditions for this location, it is slightly greater than the naturally occuring streams in the surrounding area, though that could be attributed to the outlet discharging at time of sampling.
13/01/2026 8:37	EPL34	Nungar Creek, upstream of Tantangara Road	14.49	90.1	9.19	41	26	7.84	173	0.4	Clear day. No recent rain. Water level low. Low flow. Water clear.	Low turbidity is considered ambient for an upgradient clear water stream. All other parameters are within WQO's.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring January 2026												
13/01/2026 8:44	EPL35	Nungar Creek, downstream of Tantangara Road	14.53	78.7	8.02	38.0	25	7.56	182	1.7	Clear day. No recent rain. Water clear. Water low flow and level. Turbity measured with Hach meter.	The recorded concentrations are representative of the environmental conditions consistently observed at this location.
24/01/2026 12:09	EPL 36	Camerons Creek, upstream of works in Rock Forest	18.49	80.3	7.53	48	31	6.35	178	11.2	Low turbidity, no odour in sample, animal manure odour in area, warm sunny day	Low DO% and pH are representative of the environmental conditions at this upstream location.
24/01/2026 12:42	EPL 37	Camerons Creek, downstream of works in Rock Forest	22.99	65.7	5.64	60	39	6.57	206	70.9	Turbid, no odour detected, warm sunny day, low flow, located in paddock with livestock	Low DO% and pH is considered representative of the environmental conditions for this location.
12/01/2026 11:55	EPL52	GF01 leachate basin	-	-	-	-	-	-	-	-	Water level too low to sample safely.	Location was not sampled due to low water levels.
-	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-	-	This location is dry
-	EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-	-	This location is dry
19 Jan 2026, 10:13 AM	EPL55	GF01 surface water downstream	-	-	-	-	-	-	-	-	No water flowing	Location was not sampled due to low water levels.
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-	-	The reservoir level at Tantangara is low and is not representative sample.
17/01/2026 9:21	EPL71	Surface water downstream of Marica emplacement	-	-	-	-	-	-	-	-	Dry	This location is dry
-	EPL84	F8 Basin	-	-	-	-	-	-	-	-	-	Location was not sampled due to low water levels.
27/01/2026 9:23	EPL85	MY07 Basin	-	-	-	-	-	-	-	-	Too low for sample collection	Location was not sampled due to low water levels.
27/01/2026 9:27	EPL86	LHG01 Basin	-	-	-	-	-	-	-	-	Too dry to sample	Location was not sampled due to low water levels.
19/01/2026 9:53	EPL98	Rock blanket diversion monitoring under GFO1 liner	-	-	-	-	-	-	-	-	Dry	This location is dry
17/01/2026 9:55	EPL99	Marica Leachete Basin- Turkey's Nest	14.12	70.1	7.2	394	256	7.62	82	38.4	Green water, no sheen, no odor, very windy and cold	Site is leachate storage infrastructure.
17/01/2026 8:39	EPL100	Marica Lower Leachate Basin USS Shaft	15.73	77.6	7.69	538	345	8.33	88	59.3	Too low to sample	Site is leachate storage infrastructure.
17/01/2026 8:25	EPL101	Marica Leachate Basin Spoil Pad	11.41	70.1	7.64	921	589	6.17	196	145	Very windy and cold, no sheen, no odor, slight green colour.	Site is leachate storage infrastructure.
3/01/2026 9:55	EPL106	Ravine Bay Leachate basin 1	23.01	118.5	10.1	2,120.00	1360	8.91	65	28.2	Greenish in colour. Basin 20% full. Small amount of algae observed at corner. No rainfall in last 24 hrs	Site is leachate storage infrastructure.
3/01/2026 11:34	EPL110	Upstream monitoring of Ravine Bay emplacement area	-	-	-	-	-	-	-	-	Location dry	Location was not sampled due to low water levels.
3/01/2026 12:18	EPL118	Ravine Bay Leachate basin 2	-	-	-	-	-	-	-	-	Location dry	Location was not sampled due to low water levels.
13/01/2026 10:49	EPL119	Ravine Bay Leachate basin 3	23.7	69.8	5.87	2,040.00	1,300.00	7.64	67	28	No recent rain, slightly turbid, no foam sheen or odour	Site is leachate storage infrastructure.
3/01/2026 12:15	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	Brown coloured water, no inflows observed, possibility of groundwater in the basin, no sample taken , water level too low	Location was not sampled due to low water levels.
12/01/2026 10:11	EPL122	GFO1 Drainage Line (Formerly EPL 55b)	-	-	-	-	-	-	-	-	Site dry.	Location was not sampled due to low water levels.

EPL 21266 In Situ Water Quality Measurements

Table 2 - Reservoir Water Quality Data

Talbingo and Tantangara Reservoirs

EPL Monthly In-Situ Monitoring January 2026

Table 2 - Reservoir Water Quality Data <i>Talbingo and Tantangara Reservoirs</i>			Water Quality Objectives									
			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
11/01/2026 8:58	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	23.32	66.1	5.64	121	79	7.78	167	2.5	Sunny day, no odour, clear water, no algae visible	pH and EC measurements were accompanied by elevated water body temperatures and a notable lack of water movement. Water levels within Reservoir were notably low.
11/01/2026 8:47	EPL11	Talbingo Reservoir, downstream of outlet	23.09	75.8	6.49	79	51	8.2	151	7.7	Sunny day, no odour, clear water, no algae visible	Slightly elevated pH, EC and low DO (%) could be attributed to seasonal conditions as the reservoir temperature increases as observed in the data produced by previous monioring rounds.
26/01/2026 9:11	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	19.7	87.7	8.03	30.2	22	7.67	112.8	4.77	Turbid water, low depth. No odour or sheen. Sunny day with minimal wind.	Elevated EC and low DO (%) could be attributed to the temperature increase at the time of the sample collection as seen in previous monitoring rounds.
26/01/2026 9:55	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	19.8	87.8	8.01	25.9	19	7.05	137.6	3.56	Turbid water, low depth. No odour or sheen. Sunny day with minimal wind.	Low DO (%) is reflective of upstream locations (EPL39 and EPL40).
26/01/2026 9:50	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	19.8	88.2	8.06	26.2	19	7.1	133.7	2.83	Turbid water. No odour or sheen. Sunny day with minimal wind.	Low DO (%) is consistent with upstream locations(EPL39 and EPL40).
26/01/2026 9:41	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	20.1	88.4	8.02	26.7	19	6.91	154.6	4.0	Turbid water, low depth. No odour or sheen. Sunny day with minimal wind.	Low DO (%) is representative of upstream locations (EPL39 and EPL40).
13/01/2026 13:47	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	24.13	75	6.3	26	17	6.84	196	35.5	Clear day. No recent rain. Water flowing slowly. Level low. Signs of hard hooved animals at sample point.	This is an upstream location and has not been affected by the project.
26/01/2026 9:19	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	20.2	88.2	7.98	29.7	21	6.78	146.1	4.19	Turbid water, low depth. No odour or sheen. Sunny day with minimal wind. Vegetation growth visible	This is an upstream location and there has been no construction works in this area.
26/01/2026 10:05	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	19.8	88	8.04	26	19	7	136	4.75	Turbid water, low depth. No odour or sheen. Sunny day with minimal wind.	Low DO (%) is consistent with upstream locations.
11/01/2026 8:33	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	22.32	106.2	9.23	58	38	8.19	141	7	Sunny day, clear water, no odourfe	The minor elevation in EC and pH is consistent with the historical data for this location.
11/01/2026 8:26	EPL108	Monitoring of Ravine Bay emplacement area (center of PSE) within Yarrangobilly River	21.52	82.2	7.26	46	30	8.25	133	8.4	Sunny day but a bit colder, clear water, no odour	The minor elevation in EC is consistent with the historical data for this location. Slightly elevated pH and EC are consistent with the upstream location.
11/01/2026 8:15	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	20.61	93.4	8.39	45	29	8.42	115	1.43	Sunny but a bit cold morning, clear water, no odour, QA for this location	Slightly elevated pH and EC are consistent with the upstream location.

Table 3 - Treated Water Quality Data

Talbingo

Table 3 - Treated Water Quality Data			Water Quality Objectives									
Talbingo			Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	-	-	700	-	6.5 - 8.5	-	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
14/01/2026 9:07	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	25.73	94.3	7.69	28	18	8.26	136	1.1	Sample area clean and tidy. QA's taken here. Water temperature at 25.73.	All reading are within WQO limits.

Table 4 - Treated Water Quality Data

Tantangara

Tantangara			Water Quality Objectives									
			Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	-	-	168	-	6.5 - 8.5	-	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
26/01/2026 7:57	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	20.7	86.8	7.79	111.9	79	7.36	117.9	0.56	Clear flowing water from tap. No odour or sheen. Sunny day, minimal wind. QA's here	All reading are within WQO limits.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring January 2026

Table 5 - Groundwater Quality Data
GF01 Surface Water and Groundwater

Water Quality Objectives							
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
12/01/2026 10:43	EPL56	GF01 groundwater upstream east	17.6	32.6	3.11	232	151	7.09	139	1.2	Sunny day. Clear water. No odour. Emplacement area above height of bore. Concrete plinth breaking down.	Slightly low DO (%) is consistent with the historical data for this upstream location.
12/01/2026 11:01	EPL57	GF01 groundwater upstream west	19.87	31.3	2.85	262	171	7.91	134	20.6	Sunny day. Clear water. No recent rain. Spoil above bore. Concrete plinth breaking down.	Slightly low DO (%) is consistent with the historical data for this upstream location.
19/01/2026 10:03	EPL58	GF01 groundwater downstream	18.27	87	8.16	946	605	6.07	144	6.4	Clear water, no odor, no sheen, no rain prev	EC concentrations being above the WQO's is within the historical conditions recorded in previous monitoring rounds, as is the slightly lower pH and DO (%).
31/01/2026 9:55	EPL68	Tantangara groundwater downstream West	15.79	60.4	5.99	23	15	5.32	289	11.5	Hot day. No recent rain. Water clear. Water extracted using electric bore pump.	Low pH, EC and DO is generally consistent with the historical data for this location. These fall in line with current seasonal changes.
23/01/2026 13:18	EPL69	Tantangara groundwater downstream East	15.59	46.7	4.65	51	33	5.89	233	82.4	Hot sunny day, slightly turbid, no odours	Low pH and DO is generally consistent with the historical data for this location. These fall in line with current seasonal changes.
23/01/2026 12:09	EPL70	Tantangara groundwater upstream	14.27	121.1	12.39	221	144	7.28	130	109	Sunny hot day, slightly turbid stratified water, no odours	This location is upgradient of works and therefore representative of background conditions.
24/01/2026 9:04	EPL 72	Marica groundwater upstream	13.28	110.8	11.6	97	63	6.16	254	17.25	High clarity, no odours, sunny day	This location is upgradient of works and therefore representative of background conditions.
12/01/2026 10:58	EPL80	Lick Hole Gully groundwater upstream	20.61	5.2	0.46	951	608	6.79	6	151	Clear day. No recent rain. Water orange colour. Sediment in base of sleeve.	This location is upgradient of works and therefore representative of background conditions.
27/01/2026 9:34	EPL81	Lick Hole Gully groundwater downstream	20.67	23.7	2.12	934	598	6.63	-17	40	Clear water no odor, no works nearby	Elevated EC and low DO align with upgradient conditions of works.
12/01/2026 11:13	EPL82	Main Yard groundwater upstream	20.68	86.9	7.72	284	1.81	6.7	-24	62.1	Clear day. No recent rain. Water clear. Slight sulphuric odour.	This location is upgradient of works and therefore representative of background conditions.
12/01/2026 9:39	EPL83	Main Yard groundwater downstream	17.92	5.7	0.54	579	370	6.46	17	12.7	Clear day. No recent rain. Water clear no odour or sheen. Water extracted using electric bore pump.	Elevated EC and low DO aligns with results up gradient of works.
27/01/2026 9:07	EPL87	Main Yard groundwater downstream	17.98	122	11.52	838	536	7.11	217	23.5	No depth measured due to pump installation Clear water, no odor no works ongoing in area, hot dry weather. Noted as much clearer than usual, not heavily turbid like usual	Elevated EC and low DO aligns with results up gradient of works.
12/01/2026 8:55	EPL88	Main Yard groundwater downstream	16.01	77.8	7.66	980	627	7.12	-43	5.2	Clear day. No recent rain. Water clear no odour or sheen.	Elevated EC and low DO aligns with results up gradient of works.
27/01/2026 9:50	EPL89	Lick Hole Gully groundwater downstream	18.49	109.4	10.24	421	274	7.25	90	174	Turbid water, had to redid for a full sample sleeve. No odors, no sheen. No prev rain. Very dry.	Elevated EC consistent with background conditions for this location.
19/01/2026 10:47	EPL 90	GF01 groundwater downstream	22.01	84.1	7.35	95	62	7.44	162	10.5	Clear water, no odor, no sheen	Low DO is generally consistent with the historical data for this location.
12/01/2026 10:00	EPL 91	GF01 groundwater downstream	16.03	50.5	4.97	249	162	6.96	-15	10.5	Sunny day. No recent rain. No smell. Clear water.	Low DO is generally consistent with the historical data for this location.
12/01/2026 11:25	EPL 92	GF01 groundwater downstream	17.84	104.4	9.91	125	81	6.8	169	721	Sunny day. No recent rain. Milky coloured water. No odour.	High turbidity is consistent with this location's historical data.
12/01/2026 11:35	EPL 93	GF01 groundwater downstream	17.2	39.7	3.82	237	154	7.04	-10	1000	Sunny day. No recent rain. Very turbid, greater than 1000ntu.	Low DO aligns with historical data for this location. Turbity has been high in this location during previous sampling rounds.
12/01/2026 11:44	EPL 94	GF01 groundwater downstream	17.62	19	1.81	176	115	6.78	39	53.7	Summy day. No recent rain. No odour. Slightly orange yellow water.	Low DO aligns with historical data and the upstream location. Turbity is within the range of previous sample rounds in this location.
19/01/2026 10:01	EPL 95	GF01 groundwater downstream	19.59	83.5	7.64	876	561	6.1	138	92.6	Clear water no odor, no sheen	Elevated EC and low pH have been consistent at this location for this current seasonal range. DO is consistent with the upgradient location.
19/01/2026 9:46	EPL 96	GF01 groundwater downstream	17.01	88	8.49	510	326	6.89	131	1000	Very turbid water, piping cracked and Brocken for as far as I can see down. No odors, no sheen. 1000 ntu is representative of water conditions	Elevated EC and low DO are consistent with historical ranges for this location.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring January 2026												
19/01/2026 10:59	EPL 97	GF01 groundwater downstream	20.8	92.4	8.27	501	320	6.67	163	24.6	Clear water, no odor, no sheen	Elevated EC is consistent at this location for this current seasonal range.
23/01/2026 12:25	EPL103	Upstream groundwater monitoring west of the Tangara emplacement area	14.53	65.6	6.68	65	42	6.88	156	4.6	Hot sunny day, high clarity, no odours,	This location is upgradient of works and therefore low DO is considered representative of background conditions.
23/01/2026 12:41	EPL104	Dowslope groundwater monitoring east of the Tangara emplacement area	15.75	51.8	5.14	62	41	6.13	201	13.6	Hot sunny day, high clarity, no odours,	Low DO aligns with results upgradient of PSE. The pH concentration is slightly outside of the WQO's however consistent with low levels throughout Tangara PSE area.
23/01/2026 12:57	EPL105	Dowslope groundwater monitoring east of the Tangara emplacement area	14.76	55.7	5.64	107	71	5.63	245	15.7	qa_tan01 and QA_TAN02 collected here, sunny hot day, clear water, no dtb or dtw due to pump setup on well	Low DO and pH are consistent with historical data for this location.
13/01/2026 10:22	EPL113	Upstream east monitoring of Ravine Bay emplacement area	16.2	3.4	0.34	126	82	6.42	110	22	No recent rain slightly turbid, no foam sheen or odour. No nearby works	This is an upgradient location and not affected by project activities.
3/01/2026 11:57	EPL114	Upstream west monitoring of Ravine Bay emplacement area	20.45	30	2.7	371	241	7.15	132	0	Clean water sample. No odour. No rainfall in last 24 hrs	This location is upgradient of works and therefore representative of background conditions.
3/01/2026 12:33	EPL115	Downstream east monitoring of Ravine Bay emplacement area	20	103.9	9.43	354	230	7.61	130	3.7	Clear water. No odour. No rainfall in last 24 hrs. Hydromulched around the batter.	Elevated EC directly aligns with results upgradient of PSE.
3/01/2026 10:11	EPL116	Downstream west monitoring of Ravine Bay emplacement area	17.72	84	7.99	163	106	7.35	157	274.00	Slightly turbid water. No odour. No rainfall in last 24 hrs.	DO is elevated compared to the upgradient location these results are similar in comparison to January 2025. Turbidity is noted in the field notes and also the physio-chemical results.
13/01/2026 9:54	EPL117	Downstream monitoring of Ravine Bay emplacement area	16.03	9.6	0.95	169	110	7.16	-48	68.3	Turbid water, no odour, sheen or foam. No nearby works. No recent rain	DO % is low at this location and is comparative of January 2025.



Snowy 2.0 Environmental Protection License Water Quality Results

Monitoring Period	1 - 28 February 2026
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

SUMMARY	
Groundwater Water Quality Results:	February analytical results reported EC concentrations as greater than the WQO's within 17 of the 32 locations monitored, with the greatest observation understood to be reflective of the natural characteristics within Lick Hole Gully. With exception to EPL105, highly pronounced temperature variations are notable across the Project sites as higher temperatures recorded within Lobs Hole monitoring locations compared to the other sites. EPL114 reported the lowest DO% of 0.4% however the location is upgradient of Project works. Rainfall volumes recorded during the reporting period are anticipated to have influenced the elevated analytical results due to increased infiltration and vertical migration within Monitoring Zones such as GF01 and Ravine Bay.
Reservoir Water Quality Results:	Elevated temperatures are greatest within Talbingo Reservoir as Tantangara locations report typical temperatures as up to 6 degrees colder. is typically three begins to transition with the season. The elevated coliform results are typical for both water bodies during February, however this reporting period noted analytical consistency between all locations regarding nutrients.
Surface Water Quality Results:	Surface water results during this period reflect the warmer weather conditions recorded throughout the reporting period with exception given to the more alpine streamlines such as EPL31 and EPL34. Over 150 mm of rainfall was reported across the Project sites throughout the reporting period, which typically results in elevated turbidity and EC concentrations and alterations to pH records.
Discharge Water Quality Results:	Discharge concentrations were within the WQO and EPL concentration limits.
Leachate Water Quality Results:	Leachate management containment systems are designed to control waters comprising elevated concentrations across the analytical suite.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-28 February 2026 - Groundwater

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Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-28 February 2026 - Talbingo and Tantangara
Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8
Electrical Conductivity	µS/cm	-	20-30
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	90-110
Turbidity	NTU	-	1-20
Laboratory analytes			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃ (filtered)	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	10
Nitrite + Nitrate as N (NO _x)	µg/L	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	350
Reactive Phosphorus (filtered)	µg/L	10	5
Phosphorus (Total)	µg/L	10	10
Inorganics			
Cyanide Total	mg/L	0.004	0.007
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (filtered)	µg/L	5	55
Arsenic (filtered)	µg/L	0.2	13
Chromium (III+VI) (filtered)	µg/L	0.2	0.01
Copper (filtered)	µg/L	0.5	1.4
Iron (filtered)	µg/L	2	300
Lead (filtered)	µg/L	0.1	3.4
Manganese (filtered)	µg/L	0.5	1,900
Nickel (filtered)	µg/L	0.5	11
Silver (filtered)	µg/L	0.01	0.05
Zinc (filtered)	µg/L	1	8
Biological			
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value
Thermotolerant Coliforms	CFU/100mL	1	No Water Quality Objective Value

EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
1/02/2026	1/02/2026	8/02/2026	8/02/2026	8/02/2026	8/02/2026	7/02/2026	8/02/2026	8/02/2026	1/02/2026	1/02/2026	1/02/2026
7.93	8.12	7.07	7.91	7.6	7.18	7.18	7.37	7.88	8.29	8.34	8.48
97	76	31	26	26	27	27	30	26	48	42	45
174	150	238	211	221	234	200	229	215	129	116	90
26.43	25.98	18.07	19.51	19.08	18.67	17.95	18.27	19.24	25.12	24.8	24.27
63.9	63	73.6	63.2	67	65.4	56.6	55.3	66	83.4	62.4	73.2
1.35	1.5	7.1	6.3	5.2	3.1	6.8	4.3	6.1	0.96	10.1	28.8
<5	<5	5	<5	5	<5	<5	<5	<5	<5	<5	<5
41	29	9	9	9	9	7	9	9	14	14	17
10	10	10	<10	20	<10	20	<10	<10	<10	<10	<10
20	20	<10	<10	<10	<10	40	<10	<10	<10	<10	<10
300	300	300	300	300	300	300	300	300	300	200	200
300	300	300	300	300	300	300	300	300	300	200	200
<10	<10	10	<10	<10	10	<10	10	<10	<10	<10	<10
<10	<10	60	50	50	80	20	50	60	<10	<10	<10
<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<5	<5	23	34	35	35	38	22	32	<5	<5	<5
0.6	0.5	0.3	0.3	0.3	0.3	0.2	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	<0.2	<0.2	<0.2	<0.2
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
26	14	243	180	182	203	95	243	170	4	4	5
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.5	<0.5	1	1.2	1.2	1.3	2.7	1	1.2	<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
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
10,000	7,800	15,000	-	-	-	-	-	86	-	-	-
2	4	4	-	-	-	-	-	3	-	-	-

DP1	DP2	DP3	DP4	DP5	DP6	DP7	DP8	DP9	DP10	DP11	DP12	DP13	DP14	DP15	DP16	DP17	DP18	DP19	DP20	DP21	DP22	DP23	DP24	DP25	DP26	DP27	DP28	DP29	DP30	DP31	DP32	DP33	DP34	DP35	DP36	DP37	DP38	DP39	DP40	DP41	DP42	DP43	DP44	DP45	DP46	DP47	DP48	DP49	DP50	DP51	DP52	DP53	DP54	DP55	DP56	DP57	DP58	DP59	DP60	DP61	DP62	DP63	DP64	DP65	DP66	DP67	DP68	DP69	DP70	DP71	DP72	DP73	DP74	DP75	DP76	DP77	DP78	DP79	DP80	DP81	DP82	DP83	DP84	DP85	DP86	DP87	DP88	DP89	DP90	DP91	DP92	DP93	DP94	DP95	DP96	DP97	DP98	DP99	DP100	DP101	DP102	DP103	DP104	DP105	DP106	DP107	DP108	DP109	DP110	DP111	DP112	DP113	DP114	DP115	DP116	DP117	DP118	DP119	DP120	DP121	DP122																																																																																																				
1780/2806	1790/2806	1800/2806	1810/2806	1820/2806	1830/2806	1840/2806	1850/2806	1860/2806	1870/2806	1880/2806	1890/2806	1900/2806	1910/2806	1920/2806	1930/2806	1940/2806	1950/2806	1960/2806	1970/2806	1980/2806	1990/2806	2000/2806	2010/2806	2020/2806	2030/2806	2040/2806	2050/2806	2060/2806	2070/2806	2080/2806	2090/2806	2100/2806	2110/2806	2120/2806	2130/2806	2140/2806	2150/2806	2160/2806	2170/2806	2180/2806	2190/2806	2200/2806	2210/2806	2220/2806	2230/2806	2240/2806	2250/2806	2260/2806	2270/2806	2280/2806	2290/2806	2300/2806	2310/2806	2320/2806	2330/2806	2340/2806	2350/2806	2360/2806	2370/2806	2380/2806	2390/2806	2400/2806	2410/2806	2420/2806	2430/2806	2440/2806	2450/2806	2460/2806	2470/2806	2480/2806	2490/2806	2500/2806	2510/2806	2520/2806	2530/2806	2540/2806	2550/2806	2560/2806	2570/2806	2580/2806	2590/2806	2600/2806	2610/2806	2620/2806	2630/2806	2640/2806	2650/2806	2660/2806	2670/2806	2680/2806	2690/2806	2700/2806	2710/2806	2720/2806	2730/2806	2740/2806	2750/2806	2760/2806	2770/2806	2780/2806	2790/2806	2800/2806	2810/2806	2820/2806	2830/2806	2840/2806	2850/2806	2860/2806	2870/2806	2880/2806	2890/2806	2900/2806	2910/2806	2920/2806	2930/2806	2940/2806	2950/2806	2960/2806	2970/2806	2980/2806	2990/2806	3000/2806	3010/2806	3020/2806	3030/2806	3040/2806	3050/2806	3060/2806	3070/2806	3080/2806	3090/2806	3100/2806	3110/2806	3120/2806	3130/2806	3140/2806	3150/2806	3160/2806	3170/2806	3180/2806	3190/2806	3200/2806	3210/2806	3220/2806	3230/2806	3240/2806	3250/2806	3260/2806	3270/2806	3280/2806	3290/2806	3300/2806	3310/2806	3320/2806	3330/2806	3340/2806	3350/2806	3360/2806	3370/2806	3380/2806	3390/2806	3400/2806	3410/2806	3420/2806	3430/2806	3440/2806	3450/2806	3460/2806	3470/2806	3480/2806	3490/2806	3500/2806	3510/2806	3520/2806	3530/2806	3540/2806	3550/2806	3560/2806	3570/2806	3580/2806	3590/2806	3600/2806	3610/2806	3620/2806	3630/2806	3640/2806	3650/2806	3660/2806	3670/2806	3680/2806	3690/2806	3700/2806	3710/2806	3720/2806	3730/2806	3740/2806	3750/2806	3760/2806	3770/2806	3780/2806	3790/2806	3800/2806	3810/2806	3820/2806	3830/2806	3840/2806	3850/2806	3860/2806	3870/2806	3880/2806	3890/2806	3900/2806	3910/2806	3920/2806	3930/2806	3940/2806	3950/2806	3960/2806	3970/2806	3980/2806	39

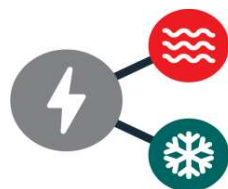
Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-28 February 2026 - Discharge Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives / EPL Discharge Limits*	EPL 41	EPL 50
				4/02/2026	8/02/2026
Field					
pH	pH Unit	-	6.5-8.5	7.55	6.82
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	3	93
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	207	239
Temperature	°C	-	No Water Quality Objective Value	22.41	19.31
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	81.7	69.4
Turbidity	NTU	-	No Water Quality Objective Value	16.1	0.9
Laboratory analytes					
Total suspended solids	mg/L	5	5*/10**	<5	<5
Hardness as CaCO ₃ (filtered)	mg/L	1	No Water Quality Objective Value	<1	<1
Nutrients					
Ammonia as N	mg/L	0.01	1*/2**	<0.01	0.04
Nitrogen (Total)	mg/L	0.10	1.5*/3**	<0.10	1.2
Phosphorus (Total)	mg/L	0.01	0.3*/0.5**	<0.01	0.04
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	No Water Quality Objective Value	<5	<5
Arsenic (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Chromium (III+VI) (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	2.6
Copper (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	0.7
Iron (dissolved)	µg/L	2	No Water Quality Objective Value	<2	<2
Lead (dissolved)	µg/L	0.1	No Water Quality Objective Value	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Silver (dissolved)	µg/L	0.01	No Water Quality Objective Value	<0.01	<0.01
Zinc (dissolved)	µg/L	1	No Water Quality Objective Value	<1	5
Biological					
Faecal Coliforms	CFU/100mL	1	10*/100**	1	<1
Biological Oxygen Demand	mg/L	2	3.5*/5**	<2	2

* EPL Discharge Limits, 90 Percentile Concentration Limit as per EPL 21266

** EPL Discharge Limits, 100 Percentile Concentration Limits as per EPL 21266



Future Generation
Webuild • Clough • Lane

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-28 February 2026 - Discharge
Volumes

	EPL 43	EPL 50
Date	Discharge volume (Megalitres)	
1/02/2026	-	0.43
2/02/2026	-	0.51
3/02/2026	-	0.52
4/02/2026	-	0.56
5/02/2026	-	-
6/02/2026	-	0.47
7/02/2026	-	0.13
8/02/2026	0.76	0.38
9/02/2026	-	0.57
10/02/2026	0.34	0.62
11/02/2026	-	0.64
12/02/2026	-	0.43
13/02/2026	0.33	0.32
14/02/2026	-	0.33
15/02/2026	-	0.64
16/02/2026	-	0.71
17/02/2026	-	0.56
18/02/2026	-	-
19/02/2026	-	-
20/02/2026	-	-
21/02/2026	-	0.49
22/02/2026	-	0.23
23/02/2026	0.54	0.33
24/02/2026	-	0.46
25/02/2026	-	0.91
26/02/2026	-	0.60
27/02/2026	-	0.29
28/02/2026	0.56	0.63

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring February 2026

Table 1 - Surface Water Quality Data
River and Minor Watercourses

Water Quality Objectives							
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
17/02/2026 12:44	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	23.36	83.4	7.1	172	112	8.89	168	0	Clear water, representative of 0 turbidity	Low DO% and high pH is within the baseline water quality results summary in the surface water management plan, refering to frequent exceedances during the warmer months. This is an upgradient location and is not considered to be affected by the project. Turbidity has been mentioned in the field notes.
17/02/2026 12:12	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	21.59	84.8	7.47	187	121	8.92	19	0	Turbidity is representative of water conditions. No odor. Hot dry.	Elevated pH and low DO% is within the range of upstream locations. Turbidity is mentioned in the field notes.
17/02/2026 11:12	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	20.15	81.5	7.39	199	129	8.92	195	6	clean water, sulphuric acid smell when stepping on mud. Hot sunny day, low flow.	DO% and pH are considered to be representative of the upgradient locations.
17/02/2026 10:56	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	19.73	85.7	7.83	204	132	8.88	175	17.9	Very clear water, low flow, hot day, no rain.	Concentrations outside of WQO's are closely inline with upstream locations and not representative of construction influence.
17/02/2026 12:27	EPL12	Yarrangobilly River, immediately downstream of portal pad	22.58	84.3	7.29	173	112	8.88	171	0.1	Turbidity is representative of conditions of stream. No odor. Low flow. Sunny dry weather.	Low DO (%) and elevated pH is representative of upstream locations and seasonal temperature increases, this aligns with the baseline water quality results summary in the surface water management plan.
17/02/2026 11:54	EPL14	Yarrangobilly River, downstream of road construction areas	21.79	83.6	7.34	174	113	8.91	179	0.5	Very very low flow. Taken from the stream not the rock bank - water trickling near bank. Hot sunny day. No odor.	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan.
17/02/2026 11:33	EPL15	Yarrangobilly River, downstream of road construction areas	21.64	80.2	7.06	171	111	8.91	190	0	Turbidity reading is representative of the water quality. No odor, hot sunny day.	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan. Turbidity is mentioned in the field notes.
18/02/2026 10:42	EPL16	Yarrangobilly River, downstream of road construction areas	20.95	114.4	10.2	174	113	8.13	181	0	Clear water, low level, overcasts.	Elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management.
9/02/2026 9:57	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	-	-	-	-	-	-	-	-	Sample not taken due to low water levels.	No sample taken due to dry conditions
6/02/2026 10:46	EPL26	Eucumbene River downstream of Marica Road	17.65	71.5	6.82	40	26	8.24	159	0.2	Clear day. No recent rain. Water level low. Slow flow. Signs of hard hooved animals at sample point. No odour. No sheen visible.	The recorded concentrations are representative of the upgradient environmental conditions consistently observed within previous monitoring rounds at this location due to the lack of construction activities in this area. This location has been observed to have frequent activity by hard hooved animals.
6/02/2026 10:55	EPL27	Eucumbene River upstream of Marica Road	16.8	50.8	4.93	35	23	7.75	182	0.6	Clear day. No recent rain. QA's taken here. Signs of hardhooved animals near sample point.	High altitude and temperatures could contribute to DO% being low in this upstream location unaffected by project activities.
7/02/2026 9:00	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	11.18	60.3	6.62	35	23	8.05	184	3.7	Clear day. No recent rain. Water clear. Low flow and level. No odour or sheen.	Low DO (%) and slightly raised pH is representative of seasonal increase temperature and is within the baseline water quality results summary in the surface water management plan.
7/02/2026 9:12	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	11.01	55.7	6.14	28	18	7.94	187	2.6	Clear day. No recent rain. Signs of hard hooved animal activity at sample point. Water clear. Low flow and level.	Low EC and DO (%) is representative of the environmental conditions for this location being upstream of construction activities.
7/02/2026 8:35	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	17.39	68.7	6.58	26	17	7.03	239	25.8	Clear day. No recent rain. Water clear. Water flowing. Discharging at time of sampling.	Low EC and DO (%) is representative of the environmental conditions for this location, it is slightly greater than the naturally occurring streams in the surrounding area, though that could be attributed to the outlet discharging at time of sampling, this could also contribute to the marginally high turbity.
7/02/2026 7:11	EPL34	Nungar Creek, upstream of Tantangara Road	10.46	60	6.7	41	27	8.27	158	3.8	Clear day. No recent rain. Water clear. Low flow and level.	Low DO (%) and elevated pH is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring February 2026												
7/02/2026 7:19	EPL35	Nungar Creek, downstream of Tantangara Road	10.39	48.6	5.43	36.0	23	7.93	176	3.7	Clear day. No recent rain. No odour or sheen. Water clear. Low flow and level.	Low DO (%) is representative of seasonal temperature increases and is within the baseline water quality results summary in the surface water management plan.
21/02/2026 10:09	EPL 36	Camerons Creek, upstream of works in Rock Forest	16.02	53.2	5.25	45	29	6.98	190	11.1	Clear day. No recent rain. Low water level. No flow.	Low DO% is representative of the environmental conditions at this upstream location. All other parameters are within WQO limits.
21/02/2026 11:51	EPL 37	Camerons Creek, downstream of works in Rock Forest	23.88	62.3	5.26	48	31	7.13	170	53.7	Clear day. No recent rain. Water level low. No flow. QA's taken here.	Low DO% is considered representative of the environmental conditions for this location.
21/02/2026 15:14	EPL52	GF01 leachate basin	29.43	69.8	5.3	1,460.00	932	9.26	70	24.3	Green colour, no sheen or odour, no recent rainfall, slightly turbid	Leachate storage basin.
-	EPL53	GF01 surface water upstream east	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
-	EPL54	GF01 surface water upstream west	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
-	EPL55	GF01 surface water downstream	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
-	EPL71	Surface water downstream of Marica emplacement	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
21/02/2026 15:18	EPL84	F8 Basin	25.57	91.3	7.44	1,090.00	696	8.82	116	831	Very turbid water, no recent rain no foam sheen or odour. Medium capacity.	Leachate storage basin.
21/02/2026 15:31	EPL85	MY07 Basin	27.23	78.5	6.21	1,160.00	742	9.18	1,160.00	1,000.00	No recent rain very turbid water (>1000 Ntu), no foam sheen or odour. Low capacity	Leachate storage basin.
18/02/2026 10:09	EPL86	LHG01 Basin	21.65	40.5	3.55	1,040.00	665	8.41	27	346	Turbid water Basin 10% full No odour No rainfall in last 24 hrs	Leachate storage basin.
-	EPL98	Rock blanket diversion monitoring under GF01 liner	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
6/02/2026 13:17	EPL99	Marica Leachete Basin- Turkey's Nest	21.88	63.7	5.57	261	170	8.77	113	214	Clear day. No recent rain.	No sample taken due to dry conditions
6/02/2026 13:39	EPL100	Marica Lower Leachate Basin USS Shaft	24.76	66.2	5.48	826	529	8.74	129	27.1	Clear day. No recent rain. Water green colour.	No sample taken due to dry conditions
6/02/2026 13:29	EPL101	Marica Leachate Basin Spoil Pad	22.96	66.1	5.66	812	520	9.16	107	40.5	Clear day. No recent rain. Water green colour. Hydroseed on edge of basin liner. Organic matter floating on surface.	No sample taken due to dry conditions
7/02/2026 8:22	EPL106	Ravine Bay Leachate basin 1	20.84	59.7	5.3	2,270.00	1,450.00	8.73	29	45.4	QA_LOB_1 collected, clear, greenish colour, algae odour present, some bubbles and debris, 60% full, sunny day, no recent rainfall.	Leachate storage basin.
-	EPL110	Upstream monitoring of Ravine Bay emplacement area	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
7/02/2026 10:23	EPL118	Ravine Bay Leachate basin 2	22.55	63.7	5.45	3,540.00	2,260.00	8.55	106	2.3	Green, clear, slight algae odour, sunny, no recent rainfall	Leachate storage basin.
7/02/2026 10:09	EPL119	Ravine Bay Leachate basin 3	21.85	52.1	4.54	2,180.00	1,400.00	8.23	94	30.1	Green colour, no odour or sheen, sunny, clear	Leachate storage basin.
-	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions
-	EPL122	GF01 Drainage Line (Formerly EPL 55b)	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions

EPL 21266 In Situ Water Quality Measurements

Table 2 - Reservoir Water Quality Data

EPL Monthly In-Situ Monitoring February 2026

Talbingo and Tantangara Reservoirs			Water Quality Objectives								Field Comments	Context
			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
1/02/2026 11:16	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	26.43	63.9	5.14	97	63	7.93	174	1.35	Overcast day. Recent rain event >20mm. Turb measured with Hach meter.	Low DO % and elevated EC is representative of the environmental conditions at this upstream of discharge point location. Low Turbidity is also representative of stream and reservoir conditions historically.
1/02/2026 9:24	EPL11	Talbingo Reservoir, downstream of outlet	25.98	63	5.11	76	50	8.12	150	1.5	Overcast day. Recent rain event >20mm.	Slightly elevated EC, pH and low DO (%) could be attributed to seasonal conditions as the reservoir temperature increases as observed by previous monioring rounds.
8/02/2026 8:48	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	18.07	73.6	6.96	31	20	7.07	238	7.1	Cloudy day, clear water, no odour, the water level in the reservoir has been found very low	Low DO (%) could be attributed to the temperature increase at the time of the sampling as seen in previous monitoring rounds. This upstream location is not affected by construction works.
8/02/2026 9:41	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	19.51	63.2	5.8	26	17	7.91	211	6.3	Overcast day. Light shower overnight. Light breeze. QA's taken here.	Low DO (%) could be attributed increased temperatures at the time of the sampling as seen in previous monitoring rounds.
8/02/2026 9:35	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	19.08	67	6.21	26	17	7.6	221	5.2	Overcast day. Light overnight rain. Light breeze.	Low DO (%) is reflective of upstream locations (EPL39 and EPL40).
8/02/2026 9:16	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	18.67	65.4	6.11	27	17	7.18	234	3.1	Overcast day. Light rain overnight. Slight breeze.	Low DO (%) is reflective of upstream locations (EPL39 and EPL40).
7/02/2026 11:03	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	17.95	56.6	5.36	27	18	7.18	200	6.8	Clear day. No re ent rain. Water level low. Signs of hard hooved animals at sample point. QA's taken here.	Low DO% is within the baseline water quality results summary in the surface water management plan, referring to frequent exceedances during the warmer months. This is an upgradient location and is not considered to be affected by the project.
8/02/2026 8:55	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	18.27	55.3	5.21	30	20	7.37	229	4.3	Rany day, clear water, no odour	This upstream location has had no construction works impacting the area. Low DO% is within the baseline water water quality results summary in the surface water management plan.
8/02/2026 9:52	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	19.24	66	6.09	26	17	7.88	215	6.1	Overcast day. Light rain overnight. Light breeze.	Low DO (%) is likely attributed to the temperature increase at the time of the sampling as seen in previous monitoring rounds.
1/02/2026 9:00	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	25.12	83.4	6.87	48	31	8.29	129	0.96	Overcast day. Recent rain event >20mm. Turbity measured with Hach meter.	The elevation in EC is consistent with the historical data for this location.
1/02/2026 8:50	EPL108	Monitoring of Ravine Bay emplacement area (center of PSE) within Yarrangobilly River	24.8	62.4	5.17	42	27.00	8.34	116	10.1	Overcast day. Recent rain event >20mm.	The minor elevation in EC and low DO% is consistent with the historical data for this location. Slightly elevated pH is consistent with the upstream location.
1/02/2026 8:41	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	24.27	73.2	6.13	45	29	8.48	90	28.8	Overcast day. Recent rain event >20mm. QA,s taken here.	Slightly elevated pH and EC are consistent with the upstream location.

Table 3 - Treated Water Quality Data

Talbingo

Talbingo			Water Quality Objectives								Field Comments	Context
			Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	-	-	700	-	6.5 - 8.5	-	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
4/02/2026 9:53	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	22.41	81.7	7.09	3	2	7.55	207	16.1	QA_LOB_2 and QA_LOB_3 taken here, clear, no odour, no sheen or foam observed,	All readings are within WQO limits.

Table 4 - Treated Water Quality Data

Tantangara

Tantangara			Water Quality Objectives								Field Comments	Context
			Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)		
			-	-	-	168	-	6.5 - 8.5	-	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
8/02/2026 7:31	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	19.31	69.4	6.4	93	61	6.82	239	0.9	Overcast day. Light rain overnight. Sample area clean and tidy.	All readings are within WQO limits.

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EPL Monthly In-Situ Monitoring February 2026

Table 5 - Groundwater Quality Data
GF01 Surface Water and Groundwater

Water Quality Objectives							
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
24/02/2026 11:20	EPL1	Wallace Creek Bridge, west of ECVT portal	-	-	-	-	-	-	-	-	Sample not take due water and over sample point.	Low DO% and pH are within the baseline water quality summary, as is higher EC. These results are similar to those collected in February 2025.
24/02/2026 11:08	EPL2	Wallace Creek Bridge, West of ECVT portal	18.97	18.3	1.7	483	314	6.45	9	53.9	Clear day. Recent rain event >30mm.	Location not sampled due to surface water inundation.
24/02/2026 11:27	EPL4	Lobs Hole Portal Access, west of MAT portal	-	-	-	-	-	-	-	-	Sample not take due water and over sample point.	Location not sampled due to surface water inundation.
24/02/2026 11:34	EPL25	Monitoring wel, downslope of MAT portal	18.44	35	3.28	456	296	7.03	123	11.8	Clear day. Recent rain event <30mm. Area around monument wet.	Low DO% and pH are within the baseline water quality summary, as is higher EC. These results are similar to those collected in February 2025.
3/02/2026 14:28	EPL56	GF01 groundwater upstream east	18.97	95.7	8.87	234	152	8.62	154	9.1	Clear day. No recent rain. Bore no longer representative of an upgradient location.	Slightly elevated pH is consistent with previous sampling rounds.
3/02/2026 14:45	EPL57	GF01 groundwater upstream west	22.09	79.5	6.93	244	158	8.68	161	35.6	Clear day. No recent rain. Location no longer representaive of an upgradient location.	Slightly low DO (%) and higher pH is consistent with the historical data for this upstream location.
11/02/2026 11:15	EPL58	GF01 groundwater downstream	19.52	101	9.25	862	552	6.4	237	144	Clear day. No recent rain. Pump not working water extracted with hose.	EC concentrations being above the WQO's is within the historical conditions recorded in previous monitoring rounds, as is the slightly lower pH.
14/02/2026 8:18	EPL68	Tantangara groundwater downstream West	12.18	78.9	8.47	21	13	7.38	193	72	Bore pumped, clear flowing water. Cloudy foggy day with no wind. No odour or sheen.	Low EC and DO % is consistent with the historical data for this location. This is in line with seasonal changes.
7/02/2026 11:41	EPL69	Tantangara groundwater downstream East	15.88	31	3.07	39	25	6.01	253	296	Clear day. No recent rain. Water yellowy colour.	Low pH and DO % is generally consistent with the historical data for this location. This falls in line with current seasonal changes.
7/02/2026 10:02	EPL70	Tantangara groundwater upstream	14.56	64.8	6.59	80	52	6.73	208	71	Clear day. No recent rain. Hydroseed sprayed over sample area. Sediment in base of sleeve. Orangy colour.	This location is upgradient of works and therefore representative of background conditions.
22/02/2026 8:11	EPL 72	Marica groundwater upstream	15	33	3.32	73	48	6.47	209	12.7	Sunny day, cloudy. Warm. Sleeve clear.	This location is upgradient of works and therefore representative of background conditions.
14/02/2026 14:54	EPL80	Lick Hole Gully groundwater upstream	19.45	0.9	0.08	880	563	6.88	41	48.8	Water sample turbid No odour Brown sediments observed underneath the hydrasleeve	This location is upgradient of works and therefore representative of background conditions.
18/02/2026 9:27	EPL81	Lick Hole Gully groundwater downstream	19.1	20.6	1.9	845	541	6.85	-33	252	Water sample clear Odour present. Like acid. No rainfall in last 24 hrs	Elevated EC and low DO % align with conditions upgradient of works.
18/02/2026 10:20	EPL82	Main Yard groundwater upstream	19.55	2	0.18	2,770.00	1,770.00	6.8	-11	34	Water sample clear Odour present. Smells like rotten eggs No rainfall in last 24 hrs	Extremely elevated EC is historically at these levels as is low DO %.
18/02/2026 9:54	EPL83	Main Yard groundwater downstream	18.36	0	0	565	361	6.29	7	0	Water sample clear No odour Possible error with Turbidity, and DO	Dissolved Oxygen is typically low in this well as seen through historic monitoring rounds, EC is also sitting within previous concentrations. Turbidity is mentioned in the field notes.
21/02/2026 15:00	EPL87	Main Yard groundwater downstream	20.11	33.5	3.03	831	517	6.64	165	6.2	No recent rain, relatively clear water no odour sheen or foam no nearby works	Elevated EC and low DO % is consistent with previous sampling conditions for this location.
18/02/2026 10:50	EPL88	Main Yard groundwater downstream	18.85	4.4	0.41	908	581	6.81	-44	0	Water sample clear No odour No rainfall in last 24 hrs Possible error with turbidity	Elevated EC and low DO % is consistent with background conditions for this location. Turbidity is mentioned in the field notes.
18/02/2026 9:05	EPL89	Lick Hole Gully groundwater downstream	18.27	9.3	87	407	264	7.12	177	23.7	Water sample slightly turbid No odour	EC concentrations being above the WQO's is within the historical conditions recorded in previous monitoring rounds, as is the slightly lower DO %.
9/02/2026 10:37	EPL 90	GF01 groundwater downstream	17.37	33.1	3.17	49	32	6.06	225	0.83	Clear humid day. QA's taken here. Turbity measured with Hach.	Low DO % and pH is generally consistent with the historical data for this location.
3/02/2026 13:54	EPL 91	GF01 groundwater downstream	19.82	96.3	8.78	250	163	7.13	164	3.3	Overcast day. No recent rain last 24hrs. Light sulphuric smell. Water clear.	All readings are within WQO limits.
3/02/2026 15:03	EPL 92	GF01 groundwater downstream	19.99	59.9	5.45	131	85	7.3	166	137	Clear day. No recent rain.	Low DO % is consistent with this location's historical data.
3/02/2026 15:14	EPL 93	GF01 groundwater downstream	18.17	99	9.33	209	136	7.41	183	542	Clear day. No recent rain.	High turbidity aligns with historical data for this location.
20/02/2026 14:38	EPL 94	GF01 groundwater downstream	17.54	22.5	2.15	162	105	6.83	-1	74.6	Clear day. No recent rain. Water yellowy colour.	Low DO aligns with historical data and the upstream location. Turbity is within the range of previous sample rounds in this location.
5/02/2026 13:18	EPL 95	GF01 groundwater downstream	21.6	36	3.16	748	479	6.4	272	0.9	Clear day. No recent rain. Water clear. Water extracted using electric bore pump.	Elevated EC and low pH and DO % have been consistent at this location for this current seasonal range.
3/02/2026 15:32	EPL 96	GF01 groundwater downstream	17.75	94.4	8.97	439	285	6.67	147	1,000.00	Clear day. No recent rain. Water orange colour.	Elevated EC and high turbidity is consistent with historical ranges for this location.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring February 2026												
6/02/2026 8:29	EPL 97	GF01 groundwater downstream	15.31	16.8	1.68	475	308	6.65	214	20.3	Clear day. No recent rain. Water clear. No odour.	Elevated EC and low DO % is consistent at this location for this current seasonal range.
22/02/2026 8:27	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	14.16	50.9	5.22	41	27	6.11	254	15.6	Clear day. No recent rain. Water clear.	This location is upgradient of works and therefore low DO % and pH is considered representative of background conditions.
7/02/2026 11:57	EPL104	Dowslope groundwater monitoring east of the Tantangara emplacement area	14.98	37.3	3.76	46	30	6.13	239	23.9	Clear day. No recent rain. No odour. Water clear.	Low DO aligns with results upgradient of PSE. The pH concentration is slightly outside of the WQO's however consistent with low levels throughout Tantangara PSE area.
14/02/2026 8:38	EPL105	Dowslope groundwater monitoring east of the Tantangara emplacement area	13.18	84.5	8.87	90	59	7.33	187	59.2	Bore pump, clear flowing water. Cloudy foggy day with no wind. No odour or sheen. QA-1 completed here.	Low DO % and pH are consistent with historical data and for this location.
13/02/2026 12:17	EPL113	Upstream east monitoring of Ravine Bay emplacement area	17.22	7.6	73	119	77	6.24	117	40.9	Sunny day, no odour or sheen, clear	This is an upgradient location and not affected by project activities.
20/02/2026 9:39	EPL114	Upstream west monitoring of Ravine Bay emplacement area	18.42	90	8.44	120	78	6.34	206	70.9	Clear day. No recent rain.	This location is upgradient of works and therefore representative of background conditions.
20/02/2026 10:00	EPL115	Downstream east monitoring of Ravine Bay emplacement area	17.96	113.6	10.75	313	204	6.93	195	49	Clear day. No recent rain. Hydromulch on and around monument.	Slightly elevated DO % is consistent with sampling rounds conducted during the warmer months.
7/02/2026 8:57	EPL116	Downstream west monitoring of Ravine Bay emplacement area	17.39	37.8	3.62	201	130	7.24	132	864.00	Turbid, only 50% full hydrosleeve, no odour, no recent rainfall, no sheen, not enough for sample	DO % is consistent with the upgradient location these results are similar in comparison to February 2025. Turbity is noted in the field notes and also the physio-chemical results.
7/02/2026 7:52	EPL117	Downstream monitoring of Ravine Bay emplacement area	13.68	1.4	0.14	145	94	6.77	-18	545	Clear, some sediment at bottom, end of sleeve used for horiba hence high turbidity, no odour, sunny day, no recent rainfall, no sheen	DO % is consistent with the upgradient location. Turbidity has been noted in the field notes.



Snowy 2.0 Environmental Protection License Water Quality Results

Monitoring Period	1 - 31 March 2026
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

SUMMARY	
Groundwater Water Quality Results:	Elevated nutrient concentrations continued to be observed in groundwater monitoring wells across the Snowy 2.0 sites during March, particularly in locations within proximity to high activity areas. As previous reported, bores downgradient of the GF01 emplacement area recorded the highest nutrient concentrations, with Total Nitrogen (TN) concentrations of 42,400 µg/L at EPL58 and 45,700 µg/L at EPL95, and Total Phosphorus reaching 1,760 µg/L at EPL93. Elevated TN concentrations were also recorded within locations at the Tantangara PSE Monitoring Zone as EPL105 reported concentrations of 4,900 µg/L. In the Main Yard Monitoring Zone, exceedances of Total Nitrogen were observed with the highest concentration of 15,100 µg/L at EPL87. Ravine Bay reported TN concentrations as greater than WQOs although lower than those recorded at other sites, with a maximum of 400 µg/L at EPL116. Selected metals exceeded WQOs at various locations, particularly Cu, Zn, and Cr. The highest concentrations were recorded downgradient from GF01 emplacement area, including 136 µg/L dissolved copper (EPL95), 68 µg/L dissolved zinc (EPL97), and 18.2 µg/L dissolved chromium (EPL96). Elevated dissolved copper was also observed upstream (east) of the Ravine Bay emplacement area, with 104 µg/L. Low pH values (4.81–5.88), below WQOs, were recorded along the Tantangara emplacement area, decreasing compared to February but consistent with previous monitoring periods. EPL1,2,4 and 25 are sampled on a quarterly basis therefore they were not included during the March period.
Reservoir Water Quality Results:	Elevated faecal coliform concentrations were observed at Talbingo Reservoir, with notable exceedances at EPL10, EPL11, and EPL107 (300–430 CFU/100 mL and up to 8,600 CFU/100 mL, respectively). These results are consistent with seasonal influences, including warmer temperatures and relatively stable water conditions that can promote bacterial persistence and growth. At Tantangara Reservoir, nutrient concentrations, particularly Total Nitrogen (TN) exceeded WQO across multiple sites (EPL28, EPL29, EPL32, EPL38, EPL40, and EPL51) with concentrations up to 1,700 µg/L at EPL51 indicating elevated nutrient availability across the waterbody. Whilst the aforementioned concentrations primarily comprised of Kjeldahl Nitrogen, elevated Ammonia and Phosphorous concentrations within above and below gradient locations indicate a potential ambient condition during the time of sampling. The elevated pH, turbidity and green discolouration across the Monitoring Zone are consistent with increased algal activity typically noted to occur during this time in previous monitoring rounds. Additional sampling will be undertaken in early April to verify the natural cycle is not influenced by any Project activities.
Surface Water Quality Results:	The Yarrangobilly River Monitoring Zone reported reduced levels of DO in locations EPL5, EPL6, EPL8, EPL9, EPL12, EPL14 and EPL15. These concentrations are less than the adopted WQO's. TN concentrations within EPL9, EPL12, EPL15 were comprised entirely of TKN, with concentrations of up to 600 µg/L at EPL15 in excess of the adopted WQO's. Ammonia exceedance concentrations ranged from 20 µg/L at EPL5 to 180 µg/L at EPL15. The concentrations reported within EPL15 are not anticipated to reflect ambient conditions, however further monitoring will be deployed. The GF01 Monitoring Zone reported further elevated nutrient concentrations as EPL24 reported concentrations of 47,200 µg/L whilst 45,100 µg/L was reported within EPL55. Surface water locations at Marica (EPL71) and Ravine Bay (EPL110 and 120) were dry and could not be sampled during March. Due to low water levels within the Tantangara Reservoir, EPL67 has been dry since 2024. Consequently, this location has been consolidated with EPL39, which will serve as the representative monitoring location for establishing ambient water quality conditions for Nungar Creek
Discharge Water Quality Results:	Discharge concentrations were within the adopted criteria.

Point	Analysis	Unit	Limit of reporting	Water Quality Objective Value
pH	mean	mg/L	5.0-9.0	
	Observed Concentration	mg/L	5.0-9.0	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	No More than 1 Exceedance value
	Exceedance Days	% Exceedance	0	0-100
Turbidity	Turbidity	NTU	2.0-5.0	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Dissolved Oxygen	Dissolved Oxygen	mg/L	5.0-9.0	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Phosphorus	Phosphorus as P (Total)	mg/L	0.10	
	Phosphorus as P (Dissolved)	mg/L	0.10	
	Phosphorus as P (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Nitrogen	Nitrogen as N (Total)	mg/L	0.10	
	Nitrogen as N (Dissolved)	mg/L	0.10	
	Nitrogen as N (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Sulfate	Sulfate as S (Total)	mg/L	0.10	
	Sulfate as S (Dissolved)	mg/L	0.10	
	Sulfate as S (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Chloride	Chloride as Cl (Total)	mg/L	0.10	
	Chloride as Cl (Dissolved)	mg/L	0.10	
	Chloride as Cl (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Iron	Iron as Fe (Total)	mg/L	0.10	
	Iron as Fe (Dissolved)	mg/L	0.10	
	Iron as Fe (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Zinc	Zinc as Zn (Total)	mg/L	0.10	
	Zinc as Zn (Dissolved)	mg/L	0.10	
	Zinc as Zn (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Copper	Copper as Cu (Total)	mg/L	0.10	
	Copper as Cu (Dissolved)	mg/L	0.10	
	Copper as Cu (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Lead	Lead as Pb (Total)	mg/L	0.10	
	Lead as Pb (Dissolved)	mg/L	0.10	
	Lead as Pb (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Manganese	Manganese as Mn (Total)	mg/L	0.10	
	Manganese as Mn (Dissolved)	mg/L	0.10	
	Manganese as Mn (Total)	mg/L	0.10	
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
	Exceedance Factor	%	0	0-100
	Exceedance Days	% Exceedance	0	0-100
	Exceedance Factor/Percent	%	0	No More than 1 Exceedance value
Nitrate	Nitrate as N (Total)	mg/L	0.10	
	Nitrate as N (Dissolved)	mg/L	0.10	
	Nitrate			

EP16	EP17	EP18	EP19	EP20	EP21	EP22	EP23	EP24	EP25	EP26	EP27	EP28	EP29	EP30	EP31	EP32	EP33	EP34	EP35	EP36	EP37	EP38	EP39	EP40	EP41	EP42	EP43	EP44	EP45	EP46	EP47	EP48	EP49	EP50
08/04/2020	09/04/2020	10/04/2020	11/04/2020	12/04/2020	13/04/2020	14/04/2020	15/04/2020	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020	23/04/2020	24/04/2020	25/04/2020	26/04/2020	27/04/2020	28/04/2020	29/04/2020	30/04/2020	01/05/2020	02/05/2020	03/05/2020	04/05/2020	05/05/2020	06/05/2020	07/05/2020	08/05/2020	09/05/2020	10/05/2020	11/05/2020	
1.26	1.39	1.40	1.33	1.29	0.78	0.71	1.39	0.50	1.16	0.31	0.71	0.39	1.00	0.8	0.30	0.30	0.71	0.88	0.49	0.49	0.01	0.01	0.33	0.44	0.14	0.14	0.21	0.1	0.71	0.71	0.71	0.71	0.71	
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	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
1.01	1.01	1.01	1.01	1.01	0.01	0.01	1.01	0.01	0.01	0.01	0.01																							

[illegible]

	12 May 2020	13 May 2020	14 May 2020	15 May 2020	16 May 2020	17 May 2020	18 May 2020	19 May 2020	20 May 2020	21 May 2020	22 May 2020	23 May 2020	24 May 2020	25 May 2020	26 May 2020	27 May 2020	28 May 2020	29 May 2020	30 May 2020	31 May 2020	1 Jun 2020	2 Jun 2020	3 Jun 2020	4 Jun 2020	5 Jun 2020	6 Jun 2020	7 Jun 2020	8 Jun 2020	9 Jun 2020	10 Jun 2020	11 Jun 2020	12 Jun 2020	13 Jun 2020	14 Jun 2020	15 Jun 2020	16 Jun 2020	17 Jun 2020	18 Jun 2020	19 Jun 2020	20 Jun 2020	21 Jun 2020	22 Jun 2020	23 Jun 2020	24 Jun 2020	25 Jun 2020	26 Jun 2020	27 Jun 2020	28 Jun 2020	29 Jun 2020	30 Jun 2020	1 Jul 2020	2 Jul 2020	3 Jul 2020	4 Jul 2020	5 Jul 2020	6 Jul 2020	7 Jul 2020	8 Jul 2020	9 Jul 2020	10 Jul 2020	11 Jul 2020	12 Jul 2020	13 Jul 2020	14 Jul 2020	15 Jul 2020	16 Jul 2020	17 Jul 2020	18 Jul 2020	19 Jul 2020	20 Jul 2020	21 Jul 2020	22 Jul 2020	23 Jul 2020	24 Jul 2020	25 Jul 2020	26 Jul 2020	27 Jul 2020	28 Jul 2020	29 Jul 2020	30 Jul 2020	31 Jul 2020	1 Aug 2020	2 Aug 2020	3 Aug 2020	4 Aug 2020	5 Aug 2020	6 Aug 2020	7 Aug 2020	8 Aug 2020	9 Aug 2020	10 Aug 2020	11 Aug 2020	12 Aug 2020	13 Aug 2020	14 Aug 2020	15 Aug 2020	16 Aug 2020	17 Aug 2020	18 Aug 2020	19 Aug 2020	20 Aug 2020	21 Aug 2020	22 Aug 2020	23 Aug 2020	24 Aug 2020	25 Aug 2020	26 Aug 2020	27 Aug 2020	28 Aug 2020	29 Aug 2020	30 Aug 2020	31 Aug 2020	1 Sep 2020	2 Sep 2020	3 Sep 2020	4 Sep 2020	5 Sep 2020	6 Sep 2020	7 Sep 2020	8 Sep 2020	9 Sep 2020	10 Sep 2020	11 Sep 2020	12 Sep 2020	13 Sep 2020	14 Sep 2020	15 Sep 2020	16 Sep 2020	17 Sep 2020	18 Sep 2020	19 Sep 2020	20 Sep 2020	21 Sep 2020	22 Sep 2020	23 Sep 2020	24 Sep 2020	25 Sep 2020	26 Sep 2020	27 Sep 2020	28 Sep 2020	29 Sep 2020	30 Sep 2020	1 Oct 2020	2 Oct 2020	3 Oct 2020	4 Oct 2020	5 Oct 2020	6 Oct 2020	7 Oct 2020	8 Oct 2020	9 Oct 2020	10 Oct 2020	11 Oct 2020	12 Oct 2020	13 Oct 2020	14 Oct 2020	15 Oct 2020	16 Oct 2020	17 Oct 2020	18 Oct 2020	19 Oct 2020	20 Oct 2020	21 Oct 2020	22 Oct 2020	23 Oct 2020	24 Oct 2020	25 Oct 2020	26 Oct 2020	27 Oct 2020	28 Oct 2020	29 Oct 2020	30 Oct 2020	31 Oct 2020	1 Nov 2020	2 Nov 2020	3 Nov 2020	4 Nov 2020	5 Nov 2020	6 Nov 2020	7 Nov 2020	8 Nov 2020	9 Nov 2020	10 Nov 2020	11 Nov 2020	12 Nov 2020	13 Nov 2020	14 Nov 2020	15 Nov 2020	16 Nov 2020	17 Nov 2020	18 Nov 2020	19 Nov 2020	20 Nov 2020	21 Nov 2020	22 Nov 2020	23 Nov 2020	24 Nov 2020	25 Nov 2020	26 Nov 2020	27 Nov 2020	28 Nov 2020	29 Nov 2020	30 Nov 2020	1 Dec 2020	2 Dec 2020	3 Dec 2020	4 Dec 2020	5 Dec 2020	6 Dec 2020	7 Dec 2020	8 Dec 2020	9 Dec 2020	10 Dec 2020	11 Dec 2020	12 Dec 2020	13 Dec 2020	14 Dec 2020	15 Dec 2020	16 Dec 2020	17 Dec 2020	18 Dec 2020	19 Dec 2020	20 Dec 2020	21 Dec 2020	22 Dec 2020	23 Dec 2020	24 Dec 2020	25 Dec 2020	26 Dec 2020	27 Dec 2020	28 Dec 2020	29 Dec 2020	30 Dec 2020	31 Dec 2020	1 Jan 2021	2 Jan 2021	3 Jan 2021	4 Jan 2021	5 Jan 2021	6 Jan 2021	7 Jan 2021	8 Jan 2021	9 Jan 2021	10 Jan 2021	11 Jan 2021	12 Jan 2021	13 Jan 2021	14 Jan 2021	15 Jan 2021	16 Jan 2021	17 Jan 2021	18 Jan 2021	19 Jan 2021	20 Jan 2021	21 Jan 2021	22 Jan 2021	23 Jan 2021	24 Jan 2021	25 Jan 2021	26 Jan 2021	27 Jan 2021	28 Jan 2021	29 Jan 2021	30 Jan 2021	31 Jan 2021	1 Feb 2021	2 Feb 2021	3 Feb 2021	4 Feb 2021	5 Feb 2021	6 Feb 2021	7 Feb 2021	8 Feb 2021	9 Feb 2021	10 Feb 2021	11 Feb 2021	12 Feb 2021	13 Feb 2021	14 Feb 2021	15 Feb 2021	16 Feb 2021	17 Feb 2021	18 Feb 2021	19 Feb 2021	20 Feb 2021	21 Feb 2021	22 Feb 2021	23 Feb 2021	24 Feb 2021	25 Feb 2021	26 Feb 2021	27 Feb 2021	28 Feb 2021	29 Feb 2021	1 Mar 2021	2 Mar 2021	3 Mar 2021	4 Mar 2021	5 Mar 2021	6 Mar 2021	7 Mar 2021	8 Mar 2021	9 Mar 2021	10 Mar 2021	11 Mar 2021	12 Mar 2021	13 Mar 2021	14 Mar 2021	15 Mar 2021	16 Mar 2021	17 Mar 2021	18 Mar 2021	19 Mar 2021	20 Mar 2021	21 Mar 2021	22 Mar 2021	23 Mar 2021	24 Mar 2021	25 Mar 2021	26 Mar 2021	27 Mar 2021	28 Mar 2021	29 Mar 2021	30 Mar 2021	31 Mar 2021	1 Apr 2021	2 Apr 2021	3 Apr 2021	4 Apr 2021	5 Apr 2021	6 Apr 2021	7 Apr 2021	8 Apr 2021	9 Apr 2021	10 Apr 2021	11 Apr 2021	12 Apr 2021	13 Apr 2021	14 Apr 2021	15 Apr 2021	16 Apr 2021	17 Apr 2021	18 Apr 2021	19 Apr 2021	20 Apr 2021	21 Apr 2021	22 Apr 2021	23 Apr 2021	24 Apr 2021	25 Apr 2021	26 Apr 2021	27 Apr 2021	28 Apr 2021	29 Apr 2021	30 Apr 2021	1 May 2021	2 May 2021	3 May 2021	4 May 2021	5 May 2021	6 May 2021	7 May 2021	8 May 2021	9 May 2021	10 May 2021	11 May 2021	12 May 2021	13 May 2021	14 May 2021	15 May 2021	16 May 2021	17 May 2021	18 May 2021	19 May 2021	20 May 2021	21 May 2021	22 May 2021	23 May 2021	24 May 2021	25 May 2021	26 May 2021	27 May 2021	28 May 2021	29 May 2021	30 May 2021	31 May 2021																																																																																																																																		
311	92	125	124	108	106	112	118	1100	24	37	37	32	46	50.0	33	38	1,020	1,240			601	784	721	1,370	920	789																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-31 March 2026 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of reporting	Water Quality Objective Value
Field			
pH	pH unit	-	6.5-8
Electrical Conductivity	µS/cm	-	20-30
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	90-110
Turbidity	NTU	-	1-20
Laboratory analytes			
Total Suspended Solids	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	10
Nitrite + Nitrate as N (NOx)	µg/L	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	350
Reactive Phosphorus (filtered)	µg/L	10	5
Phosphorus (Total)	µg/L	10	10
Inorganics			
Cyanide Total	mg/L	0.004	0.007
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01
Copper (dissolved)	µg/L	0.5	1.4
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Silver (dissolved)	µg/L	0.01	0.05
Zinc (dissolved)	µg/L	1	8
Biological			
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value

EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
01 Mar 2026	01 Mar 2026	18 Mar 2026	18 Mar 2026	18 Mar 2026	18 Mar 2026	15 Mar 2026	18 Mar 2026	18 Mar 2026	18 Mar 2026	01 Mar 2026	01 Mar 2026
7.62	7.7	9.81	9.57	9.6	9.63	6.27	9.94	9.61	7.9	7.58	7.55
86	61	34	32	32	32	29	34	35	41	34	36
200	198	111	134	131	133	215	113	132	223	186	184
23.17	22.99	16.71	17.81	17.7	17.6	16.79	16.85	17.68	21.05	22.69	22.62
82.5	83.3	94.3	92.5	72.1	86.5	93.8	95	83.5	99.7	99.4	94.2
1.1	4.6	43.2	58.2	45.4	50.0	5.8	48.3	39.4	8.3	16.9	21.9
<5	<5	12	13	6	8	<5	14	6	<5	<5	<5
39	22	5	5	5	5	7	5	2	10	10	10
30	20	20	50	70	30	<10	20	150	80	60	20
<10	<10	<10	<10	<10	<10	30	<10	<10	<10	<10	<10
200	200	1,600	1,500	1,300	700	200	900	1,700	200	200	300
200	200	1,600	1,500	1,300	700	200	900	1,700	200	200	300
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
<10	20	40	40	50	30	20	30	50	10	10	<10
<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
<5	<5	36	31	26	33	27	36	31	<5	<5	<5
0.6	0.4	0.4	0.4	0.4	0.4	<0.2	0.4	0.4	0.2	0.3	0.3
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
32	22	282	170	149	195	115	275	153	9	6	8
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.5	<0.5	9.4	3.4	2.8	4.0	2.7	9.0	2.8	<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
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1
300	430	85	-	-	-	-	-	1	8,600	-	-
2	<2	7	-	-	-	-	-	5	<2	-	-

Snowy Hydro 2.0 Main Works

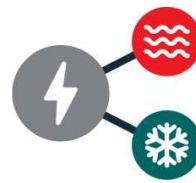
Monthly EPL Sampling: 01-31 March 2026 - Discharge Water

Analyte	Unit	Limit of reporting	Water Quality Objective Value*
Flow			
Volume	ML/day	-	4.32
Discharge Flow Rate	Litres per Second	-	50
Field			
pH	pH unit	-	6.5-8.5
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value
Turbidity	NTU	-	No Water Quality Objective Value
Laboratory analytes			
Total Suspended Solids	mg/L	5	5
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	1000
Nitrite + Nitrate as N (NOx)	µg/L	10	No Water Quality Objective Value
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	1500
Reactive Phosphorus	µg/L	1	No Water Quality Objective Value
Phosphorus (Total)	µg/L	10	300
Inorganics			
Cyanide Total	µg/L	4	No Water Quality Objective Value
Hydrocarbons			
Oil and Grease	mg/L	1	2
Metals			
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Chromium (III+VI) (dissolved)	µg/L	0.2	1
Copper (dissolved)	µg/L	0.5	14
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Silver (dissolved)	µg/L	0.01	0.05
Zinc (dissolved)	µg/L	1	8
Biological			
Faecal Coliforms	CFU/100mL	1	10
Biochemical Oxygen Demand	mg/L	2	3.5

* Water Quality Objectives are reflective of 90th Percentile Concentration Limits as per Condition L2.4.

** Flow rates recorded via EPL43 and 50

EPL41	EPL50
04 Mar 2026	15 Mar 2026
0.37**	0.64**
<50	<50
7.98	7.02
6	108
189	206
22.58	11.05
63.2	54.7
7.6	2.7
<5	<5
<1	<1
40	60
60	240
<100	200
<100	400
<10	<10
<10	<10
<4	<4
<1.0	<1.0
<5	<5
<0.2	<0.2
<0.2	<0.2
<0.5	<0.5
<2	<2
<0.1	<0.1
<0.5	<0.5
<0.5	<0.5
<0.01	<0.01
<1	<1
1	<1
<2	<2



Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-31 March 2026 - Volumes

Date
1/3/2026
2/03/2026
3/03/2026
4/03/2026
5/03/2026
6/03/2026
7/03/2026
8/03/2026
9/03/2026
10/03/2026
11/03/2026
12/03/2026
13/03/2026
14/03/2026
15/03/2026
16/03/2026
17/03/2026
18/03/2026
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21/03/2026
22/03/2026
23/03/2026
24/03/2026
25/03/2026
26/03/2026
27/03/2026
28/03/2026
29/03/2026
30/03/2026
31/03/2026

EPL 43	EPL 50
Discharge volume (Megalitres)	
-	-
0.61	0.59
-	0.93
0.37	0.50
0.43	0.45
0.58	0.23
-	0.40
0.32	-
0.41	0.39
-	-
0.39	0.34
-	-
-	-
0.38	0.18
0.55	-
-	0.14
0.32	0.05
-	-
0.45	0.19
-	0.20
0.51	0.19
0.49	-
0.35	0.46
0.57	0.35
-	0.46
-	0.50
-	0.52
0.58	0.51
0.62	0.57
0.19	0.37
-	0.51

S2-ENV-WA-GEN-DAT-FGJV0126[B]

EPL 21266 In Situ Water Quality Measurements

EPL Monthly Monitoring March 2026

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
24/03/2026 9:30	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	16.03	87.6	8.64	111	72	8.04	182	3.92	Water fast flowing, Water sample looks clean, No turbidity observed, Rainfall in last 24 hrs, Turbidity tested with Hach meter	Low DO% and high pH is within the baseline water quality results summary in the surface water management plan, referring to frequent exceedances during the warmer months. This is an upgradient location and is not considered to be affected by the construction works.
24/03/2026 10:06	EPL6	Wallace's Creek, upstream of Yarrangobilly River and Wallace's Creek confluence	15.74	61.1	6.06	92	60	7.39	223	0.5	Water flow medium, No turbidity observed, water sample clean, Rainfall in last 24 hrs, Turbidity test to be requested to NATA approved Lab.	Low DO% is within the range of upstream locations. Turbidity has been verified by a NATA approved Lab report as 0.5 NTU.
24/03/2026 11:04	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	18.85	67.9	6.31	125	81	7.43	216	0.4	River flow fast, No turbidity observed, water sample clean, Rainfall in last 24 hrs	Low DO% is within the range of upstream locations. Turbidity is noted in the field observations.
24/03/2026 14:45	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	24.23	72.4	6.06	124	80	8.42	166	2.51	River flow medium, No turbidity observed, water sample clean, Rainfall in last 24 hrs, Turbidity tested by hach meter	DO% is considered to be representative of the upgradient locations. Elevated pH is within the baseline water quality summary results in the surface water management plan.
24/03/2026 9:47	EPL12	Yarrangobilly River, immediately downstream of portal pad	16.07	74.7	7.36	108	70	7.58	215	1.1	Water fast flowing, No turbidity observed, clean water sample, Rainfall in last 24 hrs	Turbidity is noted in the field observations. Low DO% is within the range of upstream locations.
24/03/2026 10:27	EPL14	Yarrangobilly River, downstream of road construction areas	16.55	72.1	7.03	106	69	7.4	225	1.68	River flow medium, No turbidity observed and water sample clean, Rainfall in last 24 hrs, Turbidity tested by hach meter	Low DO% is within the range of upstream locations and baseline water quality results in the surface water management plan. Turbidity is mentioned in the field notes.
24/03/2026 10:47	EPL15	Yarrangobilly River, downstream of road construction areas	17.03	97.6	9.42	112	72	7.45	221	1.68	River flow medium, No turbidity observed and water sample clean, Rainfall in last 24 hrs, Turbidity tested by hach meter	Turbidity is noted in the field observations, all other concentrations are within the WQO's.
24/03/2026 14:59	EPL16	Yarrangobilly River, downstream of road construction areas	21.69	98.1	8.65	118	77	8.19	178	1.54	River flow high, Clear water sample, Rainfall in last 24 hrs, Turbidity tested with hach meter, QA sampled in this location	Slightly elevated pH is within the baseline water quality results summary in the water quality management plan. Turbity has been noted in the field comments.
3/03/2026 9:26	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	18.37	49.1	4.6	1100	706	7.1	221	6.2	Clear day. recent rain event >50mm. Water flowing.	DO levels are decreasing while EC is increasing, this will be monitored closely.
20/03/2026 11:02	EPL26	Eucumbene River downstream of Marica Road	15.37	94.6	9.46	24	16	8.29	103	0.7	Partially cloudy day, no rain, low water lever, low flow, no odour.	The recorded concentrations are representative of the upgradient environmental conditions consistently observed within previous monitoring rounds at this location due to the lack of construction activities in this area. This location has been observed to have frequent activity by hard hooved animals.
20/03/2026 10:40	EPL27	Eucumbene River upstream of Marica Road	16.14	89.2	8.77	19	12	8.55	136	1.98	Partialy cloudy day, no rain, no odour, low level water, low flow, clear water, turbidity measured with Hach meter	High altitude and temperatures contribute to DO% being low in this upstream location unaffected by construction activities. All other parameters share similarities to the upgradient location.
15/03/2026 12:53	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	16.66	72.4	7.05	21	15	6.09	250	25.2	Clear day, no recent rain, low flow, low level	This location aligns with the baseline water quality summary and is known to be frequented by hard hooved animals.
15/03/2026 13:07	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	17.09	99.1	9.56	31	20	6.68	199	3.8	Clear day, no recent rain, signs of hard hooved animal activity near sample point	All parameters are within WQO's.
18/03/2026 11:40	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	18.14	82.9	7.82	32	21	9.32	134	42.1	Partially cloudy, no rain, high flow, green colour water, no odour, water discharging, foam observed near the discharge	Low DO and high pH levels have been linked to a non-project related algal bloom.
18/03/2026 12:26	EPL34	Nungar Creek, upstream of Tantangara Road	18.09	70.3	6.64	46	30	8.49	170	3.9	Cloudy day, no rain, low water level, low flow, no odour.	This sample point is upstream of project works and is therefore representative of background conditions.
18/03/2026 12:34	EPL35	Nungar Creek, downstream of Tantangara Road	18	64.7	6.12	39.0	25	8.24	175	0.7	Cloudy day, low flow, low water level, no odour.	This location is comparative to the upgradient sample point.
21/03/2026 8:50	EPL 36	Camerons Creek, upstream of works in Rock Forest	15.43	56.3	5.62	31	20	6.91	136	7.0	Partially cloudy day, no rain, no odour, low water level, no flow, turbidity measured with Hach meter.	This sample point is upstream of construction activities and is therefore representative of background conditions.
21/03/2026 8:18	EPL 37	Camerons Creek, downstream of works in Rock Forest	15.48	71.5	7.13	98	64	8.38	125	17.1	Clear day, no rain, low water level and flow, farm animals around, therefore animal organic matter in the watercourse. QAs collected in this locations.	Low DO% is considered to be representative of the upgradient location. Elevated pH is within the baseline water quality summary results in the surface water management plan.
3/03/2026 13:38	EPL52	GF01 leachate basin	22.21	92.3	6.28	1,020	656	8.56	177	84.2	Overcast day. Recent rain event >50mm. Water greeny colour.	This is leachate storage infrastructure.
30/03/2026 14:40	EPL55	GF01 surface water downstream	18.75	61	5.66	1,340	857	6.98	263	13.8	Water is clean and no odour, Fast flowing water, No rainfall in last 24 hrs	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 downstream west	-	-	-	-	-	-	-	-	-	Due to low water levels within the Tantangara Reservoir, this location has been consolidated with EPL39.
20/03/2026 12:26	EPL71	Surface water downstream of Marica emplacement	-	-	-	-	-	-	-	-	Dry creek	No sample taken due to low water levels.
2/03/2026 11:43	EPL84	F8 Basin	19.33	52.5	4.83	691	442	8	92	1,000	Highly turbid >1000NTU, recent rain approx 30mm, no odours, QAs collected here	This is leachate storage infrastructure.
2/03/2026 13:24	EPL85	MY07 Basin	20.14	118.1	10.69	794	508	9.46	109	1,000.00	High turbidity >1000ntu, no odours, algae visible on surface, ducks present, recent moderate rainfall	This is leachate storage infrastructure.
2/03/2026 13:34	EPL86	LHG01 Basin	20.53	147.1	13.21	721	461	9.42	110	92.6	Slightly turbid, no odours, recent moderate rainfall, basin low level	This is leachate storage infrastructure.
3/03/2026 13:42	EPL98	Rock blanket diversion monitoring under GFO1 liner	18.2	49.9	4.68	1,570	1.01	6.05	281	1.59	Overcast day. Recent rain event >50mm. Flow from 4 of 6 pipes. Water running clear. Turb measured with Hach meter.	This is leachate storage infrastructure.
20/03/2026 13:07	EPL99	Marica Leachate Basin- Turkey's Nest	19.95	74.6	6.79	300	196	9.98	112	82.3	Partially cloudy day, no rain, turquoise water colour, no odour	This is leachate storage infrastructure.
20/03/2026 12:44	EPL100	Marica Lower Leachate Basin USS Shaft	20.1	93.8	8.49	589	377	8.41	186	168	Partially cloudy day, no rain, no odour, green/brown water colour	This is leachate storage infrastructure.
20/03/2026 12:57	EPL101	Marica Leachate Basin Spoil Pad	-	-	-	-	-	-	-	-	Very low water level, no representative to be sample	No sample taken due to low water levels.
27/03/2026 10:18	EPL106	Ravine Bay Leachate basin 1	17.45	83.4	7.93	232.00	148	7.83	10	173	Recent rain e ent >30mm. Raining at time of sample collection.	This is leachate storage infrastructure.

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27/03/2026 11:10	EPL110	Upstream monitoring of Ravine Bay emplacement area	-	-	-	-	-	-	-	-	Sample location dry	No sample taken due to low water levels.
20/03/2026 10:09	EPL118	Ravine Bay Leachate basin 2	21.62	80.9	7.07	2240	1430	9.11	185	7	Green colour, no odour, clear, sunny conditions, no sheen or algae	This is leachate storage infrastructure.
13/03/2026 13:35	EPL119	Ravine Bay Leachate basin 3	22.82	68.7	5.88	2010	1,280	8.64	172	1.8	QA_LOB_1 sample taken here. Sunny day, no rain in the past week. Water is clear, slight green tinge. No odour, no sheen.	This is leachate storage infrastructure.
20/03/2026 9:55	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	Unable to sample as level too low to reach with equipment available	No sample taken due to low water levels.
3/03/2026 9:46	EPL122	GFO1 Drainage Line (Formerly EPL 55b)	18.19	51.9	4.88	761	487	7.77	200	135	Overcast day. Recent rain event >50mm.	GFO1 basin was overtopping at time of sampling.

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
1/03/2026 10:08	EPL10	Talbingo Reservoir, upstream of water intake point and diffuser outlet.	23.17	82.5	7.05	86	56	7.62	200	1.1	Clear water, not turbid, cloudy conditions, no sheen or odour, no algae present	This is an upgradient location and considered background.
1/03/2026 9:54	EPL11	Talbingo Reservoir, downstream of outlet	22.99	83.3	7.14	61	40	7.7	198	4.6	No odour or sheen, cloudy conditions, clear water, 50 m upstream of buoy, no algae present	High EC and low DO% are representative of the upgradient location.
18/03/2026 8:22	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	16.71	94.3	9.17	34	22	9.81	111	43.2	Cloudy day, rain the day before, no rain at the time of sampling, low water level, 1.4m water depth, no odour, organic matter on the water surface.	This is an upgradient location and concentrations are considered to be representative of background conditions. High pH levels have been linked to a non-project related algal bloom.
18/03/2026 9:18	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	17.81	92.5	8.79	32	21	9.57	134	58.2	Cloudy day, rain the day before 1.6mm, no rain at the time of sampling, low water level, 12.5m water depth, no odour	Concentrations are comparable to the upstream location.
18/03/2026 9:05	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	17.7	72.1	6.87	32	21	9.6	131	45.4	Cloudy day, rain overnight, no rain at the time of sampling, low water level, 11.8m water depth no odour, QAs were collected in this location.	Low DO% and slightly high EC falls within concentrations found during historic sampling rounds. High pH has been linked to a non-project related algal bloom that was also observed during March 2025 sampling rounds.
18/03/2026 9:00	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	17.6	86.5	8.25	32	21	9.63	133	50.0	Cloudy day, rain the day before, no rain at the time of sampling	Low DO% and slightly high EC falls within concentrations found during historic sampling rounds. High pH has been linked to a non-project related algal bloom that was also noted during March 2025 sampling rounds.
15/03/2026 12:02	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	16.79	93.8	9.1	29	19	6.27	215	5.8	Clear day, no recent rain, medium flow, level low	All concentrations are within WQO's.
18/03/2026 8:43	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	16.85	95	9.21	34	22	9.94	113	48.3	Cloudy day, rain the day before, low water level, 1.4m water depth, organic matter on the wayer surface, no odour.	This sampling location is upstream of construction activities and considered background. High pH levels have been linked to a non project related algal bloom.
18/03/2026 9:24	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	17.68	83.5	7.96	35	22	9.61	132	39.4	Cloudy day, rain day before, no rain at the time of sampling, 12.1m water depth, low water level, no odour.	Concentrations are comparable to upgradient locations. High pH concentrations are linked to a non-project related algal bloom.
18/03/2026 9:22	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	21.05	99.7	8.88	41	26	7.9	223	8.3	Clear, no odour or sheen, no algae present, green colour	This is an upstream location and high EC is considered naturally occurring.
1/03/2026 8:57	EPL108	Monitoring of Ravine Bay emplacement area (centre of PSE) within Yarrangobilly River	22.69	99.4	8.57	34	22	7.58	186	16.9	Water clear, no sheen or odour, a few bubbles on surface, no debris, sunny and cloudy conditions	This location is comparable to the upgradient location.
1/03/2026 8:49	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	22.62	94.2	8.14	36	24	7.55	184	21.9	Cloudy day, no sheen or odour, not turbid, water clear, QA_TAL_1 taken here	Sample point has similar concentrations to the upstream 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 - 8.5	-	<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
4/03/2026 8:48	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	22.58	63.2	5.47	6	4	7.98	189	7.6	rain over night, no smell, clear water, currently discharging	All readings are within WQO limits.

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)					
-	-	-	168	-	6.5 - 8.5	-	<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
15/03/2026 9:44	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	11.05	54.7	6.03	108	70	7.02	206	2.7	Clear day. No recent rain. Sample area clean and tidy. Qa's taken here.	All readings are within WQO limits.

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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)
-	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
3/03/2026 12:26	EPL56	GF01 groundwater upstream east	17.97	20.6	1.95	252	164	7.46	201	13.3	Overcast day. Recent rain event >50mm.	This is an upstream location and low DO% is considered background in alpine groundwater aquifers. All other concentrations are within WQO limits.
3/03/2026 12:43	EPL57	GF01 groundwater upstream west	17.04	18.3	1.76	271	176	7.9	187	69	Overcast day. Recent rain event >50mm.	This is upstream location has been encroached by project works and is in the process of being decommissioned.
3/03/2026 13:10	EPL58	GF01 groundwater downstream	18.9	35	3.25	694	444	5.82	283	45.6	Overcast day. Recent rain event >50mm.	Low pH, DO% and high EC have been consistently reported at this location and considered background.
21/03/2026 11:31	EPL68	Tantangara groundwater downstream West	16.3	72.1	7.06	29.2	9.59	5.28	231.2	23	No visible sediment. No rain while sampling, though overcast. Algae observed initially, settling to clear water after 20 seconds.	This location has regularly returned low DO% and pH concentrations below WQO's and is considered ambient.
28/03/2026 10:34	EPL69	Tantangara groundwater downstream East	11.04	47.8	5.26	58	38	5.88	329	95.8	Clear day. Recent rain event >50mm. Water clear.	Low pH and DO% are considered background at this location.
28/03/2026 9:40	EPL70	Tantangara groundwater upstream	11.75	64.2	6.96	143	93	6.78	291	89.5	Clear day. Recent rain event >50mm. Water yellowy colour.	Sample point is located upgradient of any project related works and considered background.
20/03/2026 11:23	EPL 72	Marica groundwater upstream	13.54	103.8	10.8	78	51	8.2	167	62.9	Cloudy day, no rain, clear water, no odour, water pooling near the bore	This is an upstream location and not affected by construction works.
2/03/2026 14:13	EPL80	LHG groundwater upstream	17.25	22.5	2.16	929	595	6.78	99	129	Slightly turbid, no odours, orange/red particulates in water column	Low DO% and High EC are consistently returned at this sample point. Turbidity is also within the historic results.
2/03/2026 10:40	EPL81	LHG groundwater downstream	15.47	6.5	0.65	681	436	6.87	-5	181	Slightly turbid, no odours	Elevated EC and low DO% are consistently returned at this sample point. Turbidity is also within the concentrations of previously returned results.
2/03/2026 11:14	EPL82	MY groundwater upstream	17.21	16.4	1.56	2,910	1,860	6.66	9	99.1	Low turbidity, sulphurous odour detected, SWL is approximate due to difficulty obtaining reading with dip potentially from elevated EC	Elevated EC and low DO% are consistent with March 2025 concentrations. Turbidity is elevated from the previous month this however has remained within historic concentrations. Sample has been collected with a passive catch sleeve.
2/03/2026 10:10	EPL83	MY groundwater downstream	16.39	10.4	1.02	554	354	6.56	59	10.6	High clarity, sulphurous odour detected,	Low DO, high EC and neutral to alkaline pH combined with sulphuric odours are indicators of reducing groundwater and considered naturally occurring.
2/03/2026 11:35	EPL87	MY groundwater downstream	16.02	10.7	1.05	951	609	6.63	126	122	Slightly turbid, no odours	Low DO% and high EC have been consistently reported at this location and considered background.
2/03/2026 10:22	EPL88	MY groundwater downstream	17.16	22.2	2.13	950	608	6.71	-11	0.6	High clarity, strong sulphurous odour	High EC and low DO% have been consistently reported at this location and considered ambient.
2/03/2026 13:53	EPL89	LHG groundwater downstream	17.49	26.6	2.54	424	276	6.99	189	131	Slightly turbid, no odours	This location has regularly returned high EC and low DO% concentrations below WQO's and is considered ambient.
3/03/2026 10:29	EPL 90	GF01 groundwater downstream	16.71	21.6	2.1	61	40	5.99	257	1.37	Overcast day. Recent rain event >50mm. QA's taken here. Water extracted using electric bore pump. Turb measured with Hach meter.	DO% has similar concentrations as March 2025, whilst pH is slightly below WQO's it has remained steady.
3/03/2026 10:08	EPL 91	GF01 groundwater downstream	17.3	16.9	1.62	247	161	6.8	221	16.1	Overcast day. Recent rain event >50mm.	DO% has similar concentrations as March 2025 and considered ambient.
16/03/2026 13:11	EPL 92	GF01 groundwater downstream	16.78	63.9	6.2	120	78	6.59	289	219	Cloudy day, not recent rain.	Low DO% aligns with March 2025 and considered ambient.
30/03/2026 12:38	EPL 93	GF01 groundwater downstream	16.59	12.8	1.25	248	161	7.1	219	647	Water sample light brown in colour No odour	Concentrations of DO% are consistent with March 2025 and considered ambient.
16/03/2026 13:36	EPL 94	GF01 groundwater downstream	16.22	19.3	1.9	178	116	6.86	179	82.9	Cloudy day, no recent rain	DO% is following a similar trend as this time last year. Turbidity is rising slightly, however remains within historic concentrations. Sample is taken using passive catch sleeve.
3/03/2026 13:02	EPL 95	GF01 groundwater downstream	17.53	51.4	4.9	890	570	6.11	269	91.7	Overcast day. Recent rain event >50mm. Water extracted using electric bore pump.	Low pH and DO% combined with high EC has been consistently reported at this location and considered background.
3/03/2026 13:18	EPL 96	GF01 groundwater downstream	17.65	57.9	5.5	900	576	6.88	244	1,000	Overcast day. Recent rain event >50mm. Surrounding area shows signs of holding water at bore entrance. Water orange colour.	EPL96 has been encroached by project works and is in the process of being decommissioned.
3/03/2026 14:05	EPL 97	GF01 groundwater downstream Yarrangobilly	17.09	12.4	1.19	498	324	6.48	239	60.2	Overcast day. Recent rain event >50mm.	Low pH and DO% concentrations are report at this location regularly and considered ambient.
1/03/2026 16:14	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	12.6	53.1	5.64	40.2	34	4.81	218.9	13.47	Early morning sample. Clear water. Upstream of TSE. Clear sample, small amount of sediment in bottom.	This is an upstream location and not affected by construction works.
21/03/2026 14:39	EPL104	Downslope groundwater monitoring east of the Tantangara emplacement area	16.6	58.7	5.73	1.2	1	5.65	190.1	8	Clear water, no sediment visible in sample. Following thunderstorms, rain and hail.	Low DO% and pH are reported on a regular basis and is considered background at this location.
21/03/2026 11:48	EPL105	Downslope groundwater monitoring west of the Tantangara emplacement area	14.8	49	4.97	194.4	157	5.23	228.8	2.99	No sediment. Rain during sampling	Low DO% and pH are reported on a regular basis and is considered background.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly Monitoring March 2026

7/03/2026 11:35	EPL113	Upstream east monitoring of Ravine Bay emplacement area	19.33	31.5	2.9	129	84	6.14	228	91.9	Clear sunny day. Recent rain event last week. Water is slightly turbid. No odour. No sheen	This is an upgradient location and considered ambient.
7/03/2026 12:03	EPL114	Upstream west monitoring of Ravine Bay emplacement area	21.43	99.8	8.81	381	248	7.14	206	8.6	Clear sunny day. Recent rain event last week. Ongoing liner extension works. Water is clear, no odour.	This is an upgradient location and considered ambient.
7/03/2026 12:51	EPL115	Downstream east monitoring of Ravine Bay emplacement area	21.37	43.5	3.84	408	265	7.67	184	31.2	Clear sunny day. Recent rain event last week. Water is clear, no odour.	Low DO% and high EC are reported on a regular basis and is considered background at this location.
7/03/2026 11:09	EPL116	Downstream west monitoring of Ravine Bay emplacement area	19.4	59.9	5.51	146	95	6.7	180	617	Clear sunny day. Recent rain event last week. Sleeve had to be double dipped for water. Water is turbid, sediment settling at bottom of sleeve. No odour.	Low DO% is reported on a regular basis and is considered background at this location.
7/03/2026 10:45	EPL117	Downstream monitoring of Ravine Bay emplacement area	19.46	18.9	1.74	161	104	6.73	18	38.1	Clear sunny day. Recent rain event last week. Water is clear. Slight sedimentation at the bottom of the sleeve. No odour, no sheen.	Background trends suggest low DO% is ambient at this location.

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.



Monitoring Period	1 - 30 April 2026
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

SUMMARY	
Groundwater Water Quality Results:	EPL1 and EPL2 are sampled on a quarterly basis and were therefore not included in the April monitoring period. EPL4 and EPL25 are also sampled quarterly. These locations were inspected during the April monitoring event, however both sample points were under water and therefore not considered representative for sampling.
Reservoir Water Quality Results:	Faecal coliform concentrations at both reservoirs have decreased compared to previous months, consistent with seasonal influences and the expected decline associated with lower water temperatures. No exceedances of metal concentrations were recorded at any of the Tantangara or Talbingo reservoir monitoring points. Nutrient concentrations at Talbingo Reservoir were generally within WQOs, with the exception of total phosphorus at EPL10, which recorded a concentration of 20 µg/L. In contrast, nutrient concentrations in Tantangara Reservoir, particularly total nitrogen (TN), exceeded WQOs across multiple sites (EPL28, EPL29, EPL32, EPL38, EPL40, and EPL51), with concentrations reaching up to 900 µg/L at EPL29, EPL32, and EPL38. These elevated TN levels were primarily comprised of Total Kjeldahl Nitrogen, and a noticeable reduction in concentrations was observed compared to the March monitoring period. Similarly, Tantangara pH values have returned to within WQO limits, confirming that the elevated pH levels recorded in March were likely associated with the natural seasonal variability of the reservoir.
Surface Water Quality Results:	Surface water concentrations were notably varied between the numerous Monitoring Zones throughout the reporting period. The Yarrangobilly Monitoring Zone was noted to comprise elevated Phosphorous concentrations within the above gradient location before increasing at EPL15 (80 µg/ L) before reducing to 30 µg/ L within EPL 9 further downstream. EPL24 was noted to report elevated concentrations of nutrient compounds reflective of the downgradient influences stemming from GF01 emplacement. EPL33 was notably elevated for dissolved Aluminium (38 µg/ L) to which the location is subject to review. Marica TSE Monitoring Zone reported elevated concentrations of nutrients within EPL71, most notably TN concentrations of 7,000 µg/ L. A subsequent review of the location found that the stagnant water and extremely low location volume contributed to the disturbance of sediments within the sample column. The Water Sampling Procedure will be updated to reflect the lesson learning as a result.
Discharge Water Quality Results:	Discharge concentrations were within the EPL 90 percentile limits.

[illegible]



Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 30 April 2026 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8
Electrical Conductivity	µS/cm	-	20-30
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	90-110
Turbidity	NTU	-	1-20
Laboratory analytes			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	350
Reactive Phosphorus	µg/L	10	5
Phosphorus (Total)	µg/L	10	10
Inorganics			
Cyanide Total	µg/L	4	7
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01
Copper (dissolved)	µg/L	0.5	1.4
Iron (total)	µg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value
Manganese (total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Zinc (dissolved)	µg/L	1	8
Biological			
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
15/04/2026	15/04/2026	29/04/2026	29/04/2026	29/04/2026	29/04/2026	25/04/2026	29/04/2026	29/04/2026	15/04/2026	15/04/2026	15/04/2026
7.51	7.67	7.56	7.6	7.44	7.71	6.31	7.43	7.66	7.63	7.77	7.88
56	56	29	27	28	31	25	29	31	43	36	37
161	152	199	204	208	170	182	208	204	146	136	117
18.28	18.58	9.55	11.65	11.63	10.58	13.53	9.71	11.44	17.91	18.01	17.87
92.7	93.2	80.1	83.5	78.9	73.4	77.1	83.8	78.2	86	90	88.6
1.6	2.1	9.9	3.9	2.5	50.3	2.04	7.5	3.3	1.6	0.9	0.1
<5	<5	8	<5	<5	<5	<5	9	<5	<5	<5	<5
26	26	9	9	9	9	7	9	9	17	14	14
<10	<10	90	250	260	230	<10	110	290	10	<10	<10
300	200	400	900	800	900	<100	500	800	200	200	200
10	20	20	30	60	40	40	20	40	20	<10	<10
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
300	200	400	900	900	900	<100	500	800	200	200	200
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
20	<10	90	40	70	50	<10	60	50	<10	<10	<10
<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
41	57	273	93	113	106	153	306	92	43	39	32
5	6	29	46	45	45	13	31	46	<5	<5	<5
0.4	0.4	0.3	0.4	0.4	0.4	<0.2	0.3	0.4	0.3	0.3	0.3
7,000	7,000	2,000	2,000	2,000	2,000	1,000	2,000	2,000	5,000	4,000	4,000
<0.2	<0.2	0.4	<0.2	<0.2	<0.2	0.3	0.4	<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
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
68	98	592	315	350	316	174	656	318	55	37	38
21	16	245	185	180	186	68	257	183	15	11	11
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
5.4	5.5	71.2	39.4	41.9	39.5	3.3	75.2	40.4	5.0	3.5	3.6
1.2	<0.5	55.5	2.6	4.4	7.5	1.2	55.8	2.6	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	<1	<1	<1	<1	<1	<1	<1	<1	<1
<2	2	4						2			
3	1	4	11	15	16	<1	5	18	<1	<1	<1
21	22	10						<1			
2	2	3	4	4	4	2	4	4	3	2	2

Monthly EPL Sampling: 01 - 30 April 2026 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives	EP1	EP2	EP3	EP12	EP14	EP15	EP16	EP18	EP19	EP20	EP21	EP22	EP23	EP24	EP25	EP26	EP27	EP28	EP29	EP30	EP31	EP32	EP33	EP34	EP35	EP36	EP37	EP38	EP39	EP40	EP41	EP42	EP43	EP44	EP45	EP46	EP47	EP48	EP49	EP50	EP51	EP52	EP53	EP54	EP55	EP56	EP57	EP58	EP59	EP60	EP61	EP62	EP63	EP64	EP65	EP66	EP67	EP68	EP69	EP70	EP71	EP72	EP73	EP74	EP75	EP76	EP77	EP78	EP79	EP80	EP81	EP82	EP83	EP84	EP85	EP86	EP87	EP88	EP89	EP90	EP91	EP92	EP93	EP94	EP95	EP96	EP97	EP98	EP99	EP100	EP101	EP106	EP110	EP112	EP113	EP119	EP120	EP122																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
pH			2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.504/2076	2.

Analyte	Unit	Limit of Reporting	Water Quality Objectives / EPL Discharge Limits*	EPL 41 12/04/2026	EPL 50 12/04/2026
Field					
pH	pH Unit	-	6.5-8.5	6.77	6.87
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	7	116
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	235	138
Temperature	°C	-	No Water Quality Objective Value	17.16	10.26
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	100.7	87.3
Turbidity	NTU	-	1-20	19.4	5.4
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	mg/L	0.01	1*/2**	0.01	0.07
Kjeldahl Nitrogen Total	mg/L	0.1	No Water Quality Objective Value	0.10	0.20
Nitrate (as N)	mg/L	0.01	No Water Quality Objective Value	0.19	0.86
Nitrite (as N)	mg/L	0.01	No Water Quality Objective Value	<0.01	<0.01
Nitrogen (Total)	mg/L	0.1	1.5*/3**	0.3	1.1
Reactive Phosphorus	mg/L	0.01	No Water Quality Objective Value	<0.01	<0.01
Phosphorus (Total)	mg/L	0.01	0.3*/0.5**	<0.01	0.01
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 (total)	µg/L	5	No Water Quality Objective Value	<5	<5
Aluminium (dissolved)	µg/L	5	No Water Quality Objective Value	<5	<5
Arsenic (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	0.4
Calcium (total)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	1.8
Chromium (III+VI) (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	1.7
Copper (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	<2	4
Iron (dissolved)	µg/L	2	No Water Quality Objective Value	<2	<2
Lead (dissolved)	µg/L	0.1	No Water Quality Objective Value	<0.1	<0.1
Magnesium (total)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Manganese (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Zinc (dissolved)	µg/L	1	No Water Quality Objective Value	<1	<1
Biological					
Biological Oxygen Demand	mg/L	2	3.5*/5**	<2	<2
Chlorophyll a	µg/L	1	No Water Quality Objective Value	<1	<1
Faecal Coliforms	CFU/100mL	1	10*/100**	<1	<1
Organic					
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	<1	<1

* EPL Discharge Limits, 90 Percentile Concentration Limit as per EPL 21266

** EPL Discharge Limits, 100 Percentile Concentration Limits as per EPL 21266



Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 30 April 2026 - Discharge
Volumes

	EPL 43	EPL 50
Date	Discharge volume (Megalitres)	
1/04/2026	0.16	0.41
2/04/2026	-	0.51
3/04/2026	0.69	-
4/04/2026	-	0.44
5/04/2026	0.44	0.44
6/04/2026	-	0.49
7/04/2026	0.32	0.45
8/04/2026	-	0.22
9/04/2026	0.61	0.22
10/04/2026	0.58	0.58
11/04/2026	0.73	0.46
12/04/2026	-	0.36
13/04/2026	0.58	0.45
14/04/2026	0.44	0.31
15/04/2026	-	-
16/04/2026	0.40	0.36
17/04/2026	0.45	0.26
18/04/2026	0.59	0.18
19/04/2026	0.61	0.40
20/04/2026	-	0.37
21/04/2026	-	-
22/04/2026	0.48	0.54
23/04/2026	-	0.08
24/04/2026	-	-
25/04/2026	0.38	0.26
26/04/2026	-	0.57
27/04/2026	0.37	-
28/04/2026	-	0.31
29/04/2026	0.51	0.38
30/04/2026	-	0.40

EPL 21266 In Situ Water Quality Measurements

Table 1 - Surface Water Quality Data
River and Minor Watercourses

EPL Monthly In-Situ Monitoring April 2026

Table 1 - Surface Water Quality Data River and Minor Watercourses			Water Quality Objectives							
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
25/04/2026 9:40	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	8.09	97.5	11.52	137	89	7.77	95	0.9	Sunny day, clear water, no odour, medium flow	This is an upgradient location and not impacted by project activities.
25/04/2026 10:07	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	6.62	89.4	10.95	89	58	7.98	109	0.5	Sunny day, clear water, no odour, slow and low flow, no rain	Turbidity is representative of the upgradient location. Low DO% is within the baseline water quality summary in the surface water management plan.
25/04/2026 11:06	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	9.33	104.1	11.93	147	95	7.96	134	0.9	Sunny day, clear water, medium flow, no odour	Turbidity is representative of the upgradient location.
25/04/2026 11:26	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	9.26	101.7	11.68	148	96	8.06	135	0.79	Sunny day, clear water, medium flow, no odour, no rain	Turbidity is representative of the upgradient location. Slightly elevated pH is within the baseline water quality summary in the surface water management plan.
25/04/2026 9:21	EPL12	Yarrangobilly River, immediately downstream of portal pad	8.15	108.3	12.77	178	116	7.9	85	2.5	Sunny day, no rain, clear water, no odor, medium flow, sediment basin F1 overtopping	All parameters fall within the WQO's.
25/04/2026 10:27	EPL14	Yarrangobilly River, downstream of road construction areas	9.14	107.8	12.42	139	90	8.12	110	0.96	Sunny day, clear water, medium flow, a bit turbulent, no odour	Slightly elevated pH is within the baseline water quality summary in the surface water management plan. Turbidity is representative of the upgradient location.
25/04/2026 10:48	EPL15	Yarrangobilly River, downstream of road construction areas	9.25	92.4	10.61	143	93	8.13	122	0.8	Sunny day, clear water, medium flow, no odour, no rain	Elevated pH is within the baseline water quality summary in the surface water management plan. Turbidity is representative of the upstream location.
25/04/2026 11:48	EPL16	Yarrangobilly River, downstream of road construction areas	9.54	109.1	12.44	147	96	8.07	137	0.73	Sunny day, clear water, a bit turbulent, no odour. QAs conducted here	The pH in this location is within the baseline water quality summary in the surface water management plan.
14/04/2026 8:49	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	12.48	80.4	8.55	653	418	6.73	213	12.7	Sunny day, rain over last few days, clear water, no odour	DO levels are decreasing while EC is increasing. This was noted last month and continued monitoring will be ongoing.
11/04/2026 13:47	EPL26	Eucumbene River downstream of Marica Road	11.04	92.8	10.21	36	24	7.4	166	0.9	Sunny day, clear water, no odour, slow flow	Marginally lower DO is consistent with previously recorded data such as April 2025. Turbidity requested from ALS.
11/04/2026 13:26	EPL27	Eucumbene River upstream of Marica Road	10.79	85.1	9.43	51	33	7.89	143	15.8	Sunny day, clear water, no odour	This location is upgradient of project activities.
12/04/2026 9:14	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	6.81	75.6	9.22	55	36	6.82	137	15.1	Cloudy day, slightly rain, slow flow, no odour, clear water	Marginally lower DO is consistent with lower flow streams as referred to in the field notes.
12/04/2026 10:10	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	8.08	63.8	7.54	31	20	6.79	160	3.4	Cloudy day, slow flow, medium flow, clear water, no odour	This location is upgradient of project activities.
12/04/2026 8:03	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	11.13	69.8	7.67	36	23	6.63	94	18.6	Cloudy, slightly raining, foam in the surface, no odour	Marginally lower DO is consistent with waters originating from algal hosting waters. Foam is potentially a result of flow velocities or release flow velocities.
12/04/2026 7:17	EPL34	Nungar Creek, upstream of Tantangara Road	2.88	86.9	11.74	27	17	7.04	193	16.8	Cloudy day, slightly raining, clear water, no odour	This location is upgradient of project activities.
12/04/2026 7:29	EPL35	Nungar Creek, downstream of Tantangara Road	5.16	69.7	8.86	25.0	16	6.9	95	9.3	Cloudy day, slightly raining, no odour, clear water, slow flow	Marginally lower EC and DO results are indicative of lower flows and are consistent with ambient concentrations previously recorded.
28/04/2026 11:39	EPL 36	Camerons Creek, upstream of works in Rock Forest	11.16	66.1	7.26	36	23	7.33	159	1.2	Clear day. No recent rain. Water flow and level low. Signs of stock activity around sample point.	This location is upgradient of project activities.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026												
28/04/2026 10:55	EPL 37	Camerons Creek, downstream of works in Rock Forest	14.52	68.2	6.94	50	33	7.89	185	2	Clear day. No recent rain. Water flow and level low. Signs of stock around sample point. QA taken here.	Marginally lower EC and DO results are indicative of lower flows and are consistent with ambient concentrations previously recorded.
14/04/2026 14:16	EPL52	GF01 leachate basin	18.99	71.2	6.57	1,540	984	6.85	170	39.8	Sunny day, turbid water, green water appearance, no odour	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
14/04/2026 14:41	EPL55	GF01 surface water downstream	18.89	65.7	6.08	1360	871	7.27	158	2.4	Sunny day, clear water, no odour, slow flow	Turbidity requested to ALS. Elevated EC and lower DO results are consistent with the significantly low volume of water sampled during this reporting period.
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-	-	No sample collected.
11/04/2026 15:06	EPL71	Surface water downstream of Marica emplacement	11.51	81.8	8.9	381	248	6.97	170	198	Sunny day, rain overnight, turbid water, very slow flow	Elevated physiochemical results are consistent with the significantly low volume of water sampled during this reporting period.
-	EPL76	Rock Forest Leachate basin	-	-	-	-	-	-	-	-	-	No sample collected.
26/04/2026 11:48	EPL84	F8 Basin	18.07	80.6	7.6	482	313	8.85	152	415	No recent rain, moderate capacity, no foam sheen or odour. Sample site is EPL 84	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
25/04/2026 9:56	EPL85	MY07 Basin	11.15	90.4	9.92	467	303	8.61	142	1,000	No recent rain. Very full, turbid brown colour, no foam sheen or odour.	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
26/04/2026 12:19	EPL86	LHG01 Basin	17.25	83.2	7.97	1,010	648	8.53	157	98.5	No recent rain, low water level, turbid water no foam sheen or odour	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
14/04/2026 14:13	EPL98	Rock blanket diversion monitoring under GF01 liner	17.32	62.9	6.01	1,700	1,090	6.12	204	0.3	Sunny day, clear water, algae growing in the sourrounding area, no odour	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
25/04/2026 8:06	EPL99	Marica Leachete Basin- Turkey's Nest	9.8	77.3	8.75	467	304	8.43	102	117	Clear day. No recent rain. Water grey / green colour. No odour or sheen.	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
25/04/2026 8:15	EPL100	Marica Lower Leachate Basin USS Shaft	9.07	68.3	7.86	883	565	8.43	115	30.3	Clear day. No recent rain. Water green colour.	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
25/04/2026 8:33	EPL101	Marica Leachate Basin Spoil Pad	9.11	63.7	7.32	996	638	8.6	112	35.9	Clear day. No recent rain. Water green colour.	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
9/04/2026 12:26	EPL106	Ravine Bay Leachate basin 1	18.93	80.2	7.4	2,450	157	7.88	194	89	Recent light rainfall. Sunny weather. Green/yellow turbid colour. Ducks present. No odour or sheen detected.	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
7/04/2026 11:08	EPL110	Upstream monitoring of Ravine Bay emplacement area	-	-	-	-	-	-	-	-	No water flowing	No sample collected.
14/04/2026 12:10	EPL118	Ravine Bay Leachate basin 2	17.91	87.3	8.24	1,820	1,160	8.48	158	3.2	Green colour, no odour, clear, sunny conditions, 90% full	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
14/04/2026 12:18	EPL119	Ravine Bay Leachate basin 3	16.62	70.7	6.86	1,570	1,010	8.49	159	3.1	Green colour, no odour, algae present, sunny conditions, recent rainfall, clear	This location is a leachate water storage basin. Water quality recorded is reflective of leachate captured during the reporting period.
14/04/2026 12:20	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	Unable to collect sample as the basin level is too low to safely sample	No sample collected.
14/04/2026 9:13	EPL122	GF01 Drainage Line (Formerly EPL 55b)	12.77	103.1	10.89	666	427	7.15	203	13.9	Sunny day, rain over last few days, clear water, no odour.	Lower water levels and potential disturbance during sampling is understood to controbute to the elevated EC concentrations.

Table 2 - Reservoir Water Quality Data
Talbingo and Tantangara Reservoirs

Water Quality Objectives												
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
15/04/2026 10:08	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	18.28	92.7	8.73	56	37	7.51	161	1.6	Clear sunny day, slight sheen, no odour, turbidity <0.1 NTU	Turbidity analysis performed by an exteneral laboratory.
15/04/2026 9:45	EPL11	Talbingo Reservoir, downstream of outlet	18.58	93.2	8.72	56	36	7.67	152	2.1	Clear sunny day, no odour or sheen, turbidity <0.1 NTU	Turbidity analysis performed by an exteneral laboratory.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026												
29/04/2026 9:10	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	9.55	80.1	9.14	29	19	7.56	199	9.9	Sunnny day, organic material in the surface, no odour	Algal presence is understood to influence the lower DO record.
29/04/2026 9:41	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	11.65	83.5	9.07	27	18	7.6	204	3.9	Sunny day, no odour, organic material in the surface, presence of algae	Algal presence is understood to influence the lower DO record.
29/04/2026 9:33	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	11.63	78.9	8.57	28	18	7.44	208	2.5	Sunny day, no rain, organic material in the surface, presence of algae, no odour, QAs at this location	Algal presence is understood to influence the lower DO record.
29/04/2026 8:58	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	10.58	73.4	8.18	31	20	7.71	170	50.3	Sunny day, no rain, bit turbid water, organic particules suspended in the water, no odour	Algal presence is understood to influence the lower DO record.
25/04/2026 12:15	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	13.53	77.1	8.03	25	16	6.31	182	2.04	Clear day. No recent rain. No odour or sheen. Low flow and level. Signs of hard hooved animals around sample point. Turbidity measured with Hach meter.	Lower Do and pH consistent with lower water levels and the previously recorded conditions within this confluence area.
29/04/2026 9:13	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	9.71	83.8	9.53	29	19	7.43	208	7.5	Sunny day, no odour, organic material in the surface, the water level in the reservoir remains low	Algal presence is understood to influence the lower DO record.
29/04/2026 9:47	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	11.44	78.2	8.53	31	20	7.66	204	3.3	Sunny day, no odour, organic material in the water, reservoir remains low level, no rain	physiochemical records consistent with upgraadiant locations such as EPL39.
15/04/2026 9:03	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	17.91	86.0	8.15	43	28	7.63	146	1.6	Clear sunny day, no odour or sheen, no algae, clear - turbidity <0.1 NTU. QA_TALRES_1/2 sampled at location	Turbidity requested to ALS
15/04/2026 8:55	EPL108	Monitoring of Ravine Bay emplacement area (center of P5E) within Yarrangobilly River	18.01	90	8.52	36	24	7.77	136	0.9	Clear sunny day, no odour or sheen, no algae, turbidity <0.1 NTU	Turbidity requested to ALS
15/04/2026 8:47	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	17.87	88.6	8.4	37	24	7.88	117	0.1	Clear sunny day, no odour or sheen, no algae, clear	Location reflective of ambient conditions recorded within Reservoir locations EPL107 and EPL108.

Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives												
Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	700	-	6.5 - 8.5	-	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
12/04/2026 9:16	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	17.16	100.7	9.7	7	5	6.77	235	19.4	QA_LOB_1 and QA_LOB_2 collected here, clear, no odour or sheen, not turbid, recirculating in progress	Physiochemical records within WQO's.

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives												
Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	168	-	6.5 - 8.5	-	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
12/04/2026 9:52	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	10.26	87.3	9.79	116	76	6.87	138	5.4	Clear water, no odour, QAs conducted QA_Tan_1 and QA_Tan_2	Physiochemical records within WQO's.

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

Water Quality Objectives												
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
-	EPL1	Wallace Creek Bridge, west of ECVT portal	-	-	-	-	-	-	-	-	-	This point is sampled on quarterly basis therefore it was not included during the April period.
-	EPL2	Wallace Creek Bridge, West of ECVT portal	-	-	-	-	-	-	-	-	-	This point is sampled on quarterly basis therefore it was not included during the April period.
25/04/2026 9:32	EPL4	Lobs Hole Portal Access, west of MAT portal	-	-	-	-	-	-	-	-	Sample point under water not representative for sampling	No sample collected.
25/04/2026 9:30	EPL25	Monitoring wel, downslope of MAT portal	-	-	-	-	-	-	-	-	Sample location under water no representative for sampling	No sample collected.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026												
14/04/2026 10:13	EPL56	GF01 groundwater upstream east	15.3	107.7	10.79	244	159	6.66	218	28	Sunny day, rain over few days, no odour, clear water	Location is understood to interact with the final GF01 design is does not reflect upgradient conditions.
14/04/2026 10:30	EPL57	GF01 groundwater upstream west	15.09	47.2	4.75	272	177	7.35	190	30.9	Sunny day, clear water, no odour, spoil placement very close to the well	Location is understood to interact with the final GF01 design is does not reflect upgradient conditions.
14/04/2026 13:57	EPL58	GF01 groundwater downstream	18.71	80.1	7.45	964	617	6.02	203	11	Sunny day, clear water, no odour	Groundwater conditions are consistent with influences originating from GF01.
11/04/2026 14:28	EPL64	Marica groundwater downgradient of the TSE	10.57	21	2.34	442	287	6.56	163	26.5	Rain overnight, a bit turbid, no odour, spoil has been placed around the well	Depth to groundwater from TOC (m) went from 7.98 m on the 11 of April to 17.73 m on the 28 of April.
11/04/2026 14:52	EPL65	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	Low water level, thus not representative for sampling.	Bore checked again on 25 and 28 April. No water was available for sampling.
11/04/2026 15:27	EPL66	Marica groundwater downgradient of the TSE	11.04	30.7	3.39	93	61	5.5	326	69.3	Sunny day, rain overnight, odour detected, a bit turbid water	Depth to groundwater from TOC (m) went from 15.32 m on the 11 of April to 36.45 m on the 28 of April.
25/04/2026 12:39	EPL68	Tantangara groundwater downstream West	14.32	54	5.52	20	13	5.44	233	3.41	Clear day. No recent rain. Water clear. QA taken here. Turb measured with Hach meter.	Low pH consistent with previously established ambient conditions. Low DO and EC potentially consistent with extended rwater residence periods.
25/04/2026 12:53	EPL69	Tantangara groundwater downstream East	15.24	34.9	350	52	34	5.12	230	96.9	Clear day. No recent rain. Water yellowy colour.	Low pH consistent with previously established ambient conditions. Low DO and EC potentially consistent with extended rwater residence periods.
25/04/2026 11:09	EPL70	Tantangara groundwater upstream	13.19	60.8	6.37	386	251	3.44	353	55.5	Clear day. No recent rain. Waterlight yellowy colour in sleeve.	Low pH is potentially determined by sampling collection error / passive sleeve deployment issue. Resampling to occur within the week.
11/04/2026 14:04	EPL 72	Marica groundwater upstream	10.29	61.7	6.92	94	61	5.81	235	115	Rain overnight, a bit turbid water, no odour.	Elevated turbidity potentially reflective of rainwater ingress through the underlying formation.
24/04/2026 12:38	EPL80	Lick Hole Gully groundwater upstream	18.97	33.2	3.08	920	589	6.94	32	214	Turbid water, no recent rain, no foam sheen or odour	Location is up gradient of Project works.
27/04/2026 9:29	EPL81	Lick Hole Gully groundwater downstream	14.31	29.3	2.99	898	575	6.7	-33	233	Clear day. No recent rain. Water yellowy orange colour. Electric bore pump used.	Physiochemical results likely disturbed by the sampling method which included utilising a footvalve close to the sediment laden well bottom.
24/04/2026 13:12	EPL82	Main Yard groundwater upstream	19.77	19.3	1.75	2,760	1.76	6.63	-63	61	No recent rain, no nearby works slight sulphide odour, no foam sheen. Slightly turbid	Location is up gradient of Project works.
24/04/2026 11:36	EPL83	Main Yard groundwater downstream	17.2	24.5	2.35	782	501	6.97	131	35	No recent rain, no nearby works slightly turbid, no foam sheen or odour	Elevated EC and low DO consistent with the naturally occurring salinity within the Lick Hole Gully / Main Yard Monitoring Zone.
24/04/2026 10:53	EPL87	Main Yard groundwater downstream	16.68	36.8	3.57	1020	655	6.87	119	231	No recent rain turbid water, no nearby works, no foam sheen or odour. QA_LOBS_1 taken here	Physiochemical conditions reflective of downgradient location potentially influenced by alterations to receiving environment.
24/04/2026 10:57	EPL88	Main Yard groundwater downstream	17.34	32.8	3.14	933	597	6.8	-50	4.3	Relatively clear no nearby works, no recent rain, no foam sheen or odour	Elevated EC and low DO consistent with the naturally occurring salinity within the Lick Hole Gully / Main Yard Monitoring Zone.
24/04/2026 12:14	EPL89	Lick Hole Gully groundwater downstream	17.68	34.7	3.3	351	228	7.24	135	139	No recent rain, no nearby works, no foam sheen or odour. Turbid water	Physiochemical results likely disturbed by the sampling method which included utilising a footvalve close to the sediment laden well bottom.
14/04/2026 9:55	EPL 90	GF01 groundwater downstream	17.24	92.8	8.9	343	223	5.82	252	7	Sunny day, clear water, no odour	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.
14/04/2026 9:32	EPL 91	GF01 groundwater downstream	14.5	31.3	3.18	257	167	6.72	228	13.1	Sunny day, rain over last few days, clear water, no odour	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026												
15/04/2026 8:00	EPL 92	GF01 groundwater downstream	13.38	50.4	5.27	143	93	6.64	435	140	Clear day, no rain, no odour.	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.
15/04/2026 8:25	EPL 93	GF01 groundwater downstream	13.76	32.8	3.39	243	158	7.08	392	68.8	Clear day, no rain, no odour.	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.
15/04/2026 8:43	EPL 94	GF01 groundwater downstream	14.69	28.8	2.92	173	112	6.79	148	93	Clear day, no rain, no odour, clear water	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.
14/04/2026 13:50	EPL 95	GF01 groundwater downstream	18.78	21.1	1.96	695	445	6.33	206	126	Sunny day, clear water, no odour.	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.
15/04/2026 8:58	EPL 97	GF01 groundwater downstream	15.21	25.6	2.57	486	316	6.5	120	23.7	Clear day, no rain, sulfuric smell.	Groundwater conditions consistent with influences originating from the GF01 emplaement area. Location currently managed through remedial management processes.
25/04/2026 11:34	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	15.24	47.3	4.74	45	29	5.48	221	2.8	Clear day. No recent rain. Water clear. No odour	Low pH and DO consistent with established ambient physiochemical conditions throughout the Tantangara PSE.
25/04/2026 13:03	EPL104	Downslope groundwater monitoring east of the Tantangara emplacement area	15.13	44	4.42	51	33	5.59	215	10	Clear day. No recent rain.	Low pH and DO consistent with established ambient physiochemical conditions throughout the Tantangara PSE.
25/04/2026 11:57	EPL105	Downslope groundwater monitoring west of the Tantangara emplacement area	15.05	43.4	4.37	190	123	5.4	232	18.1	Clear day. No recent rain. No odour.	Low pH and DO consistent with established ambient physiochemical conditions throughout the Tantangara PSE.
24/04/2026 12:01	EPL113	Upstream east monitoring of Ravine Bay emplacement area	13.29	50	5.23	124	81	6.11	216	106	Sunny day, clear water, no odour	Location is up gradient of Project works.
24/04/2026 11:34	EPL114	Upstream west monitoring of Ravine Bay emplacement area	13.98	13	1.34	337	219	6.89	140	61.7	Clear water, sunny day, no odour.	Location is up gradient of Project works.
24/04/2026 12:16	EPL115	Downstream east monitoring of Ravine Bay emplacement area	14.55	20.3	2.06	317	206	7.03	177	31.4	Sunny day, clear water, no odour.	Location is subject to investigation via TARP processes.
24/04/2026 11:15	EPL116	Downstream west monitoring of Ravine Bay emplacement area	15.27	60.2	6.03	109	71	6.55	108	1,000	Sunny day, turbid water, sediment throughout the sleeve, odour.	Location is subject to investigation via TARP processes.
24/04/2026 10:56	EPL117	Downstream monitoring of Ravine Bay emplacement area	15.64	32.5	3.23	155	101	6.86	-39	17.9	Sunny day, clear water, no odour.	Location is subject to investigation via TARP processes.
28/04/2026 11:59	EPL123	Upgradient west of the Rock Forest PSE	13.54	49.4	5.14	24	16	6.49	222	574	Clear day. No recent rain. Water orange colour. Sediment in base of sleeve.	Location is up gradient of Project works.
28/04/2026 12:11	EPL124	Upgradient (NE) of the Rock Forest PSE	14.24	63.5	6.51	24	16	5.89	245	1000	Clear day. No recent rain. Water orange colour. Sediment in base of sleeve.	Location is up gradient of Project works.
28/04/2026 11:26	EPL125	Downgradient (S) of the Rock Forest PSE	14.12	42.2	4.33	99	64	7.1	139	91.1	Clear day. No recent rain. Water orangy yellow at base of sleeve.	No placement activities occurring on site, colouration consistent with heavy metal enriched formations.
28/04/2026 11:11	EPL126	Downgradient (SE) of the Rock Forest PSE	13.15	32.2	3.38	346	225	7.71	109	935	Clear day. No recent rain. Signs of stock activity near sample point. Water milky colour in sleeve.	No placement activities occurring on site, colouration consistent with heavy metal enriched formations. Livestock activity noted within proximity to location.
28/04/2026 10:46	EPL127	Downgradient of the Rock Forest PSE.	12.37	44.6	4.76	195	127	7.43	183	89	Clear day. No recent rain. Signs of stock around sample point. Yellowy sediment at base of sleeve.	No placement activities occurring on site, colouration consistent with heavy metal enriched formations. Livestock activity noted within proximity to location.



Snowy 2.0 Environmental Protection License Water Quality Results

Monitoring Period	1 - 31 May 2026
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

SUMMARY	
Groundwater Water Quality Results:	During this reporting period, groundwater monitoring locations remained consistent with baseline datasets and established historical trends. However, a marginal decrease in pH values and a minor increase in organic nitrogen concentrations were observed. This shift is likely attributable to increased surface runoff driven by the high-intensity precipitation events recorded across the project footprint. This hydrological interaction was further evidenced by accumulated sediment within the monitoring sleeves and a slight elevation in turbidity concentrations.
Reservoir Water Quality Results:	Talbingo Reservoir recorded dissolved oxygen (DO) results below WQO criteria, ranging from 74.7% to 79.5% saturation. Total nitrogen concentrations were within WQOs, while total phosphorus and ammonia exceeded the criteria, with values up to 40 µg/L TP (at EPL107) and 40 µg/L ammonia (at EPL109). Tantangara Reservoir also recorded DO results below WQOs, ranging from 62.6% to 82.6% saturation, potentially influenced by low water levels. Electrical conductivity values (15–21 µS/cm) were lower compared to the previous month. Regarding nutrient concentrations, total nitrogen exceeded WQOs across multiple sites (EPL28, EPL29, EPL38, and EPL51), with concentrations reaching up to 800 µg/L at EPL29. These elevated TN levels were primarily driven by Total Kjeldahl Nitrogen at three of the four locations, with EPL29 being the exception. No exceedances of metal concentrations were recorded at any of the Tantangara or Talbingo reservoir monitoring points.
Surface Water Quality Results:	The Yarrangobilly River Monitoring Zone May records are mainly within WQO criteria, except for ammonia concentrations at EPL5, EPL6, EPL9, and EPL15. Nutrient exceedances (total nitrogen, TN) were recorded at EPL24 (19,400 µg/L), EPL55 (39,700 µg/L), EPL98 (68,700 µg/L), and EPL122 (44,900 µg/L). These exceedances are attributed to proximity to the GF01 project-related impacted area, which is currently subject to remedial investigations. The Marica TSE Monitoring Zone exhibited elevated nutrient concentrations at EPL71, with TN at 2,800 µg/L and TP at 150 µg/L. These results are likely due to low water levels, slow flow, and a heavily vegetated creek. However, there has been a significant reduction compared to April records (7,000 µg/L TN and 210 µg/L TP), and this location will continue to be reviewed. Metal concentrations are mostly within WQO criteria; however, EPL33 recorded an elevated dissolved aluminium concentration (42 µg/L), increasing from 38 µg/L in the April monitoring period. This location will be subject to further review. Due to low water levels within the Tantangara Reservoir, EPL67 could not be accessed. Consequently, this location has been consolidated with EPL39, which will serve as the representative monitoring site for establishing ambient water quality conditions for Nungar Creek.
Discharge Water Quality Results:	Discharge water quality concentrations were within the EPL 90 percentile limits.
Leachate Water Quality Results:	Leachate storage infrastructure continues to exhibit the highest nutrient concentrations in the monitoring network, with total phosphorus up to 150 µg/L at EPL84 and total nitrogen up to 94,100 µg/L at EPL106. Metal concentrations exceeding WQOs were also recorded, including dissolved zinc up to 9 µg/L at EPL106, dissolved arsenic up to 6.9 µg/L and dissolved chromium up to 14.6 µg/L at EPL85. These results are within expectations for locations storing leachate water. No samples were collected in May at the Ravine Bay leachate basins (EPL118, EPL119, EPL120) due to access safety issues. EPL76 corresponds to the Pollution Control Basin (PCB) at Rock Forest, which is currently under construction; therefore, sampling has not yet commenced. The Marica Lower Leachate Basin USS Shaft (EPL100) had low water levels, and it was not possible to safely collect a sample.

Analysis	Unit	Limit of Reporting	Water Quality Objective
Physicochemical			
pH	pH (unit)	-	6.5-8.5
Dissolved Conductivity	µmhos/cm	0-200	200
Dissolved Residual Chlorine	mg/L	0-2.0	2.0
Temperature	°C	0-30	No Water Quality Objective
Dissolved Oxygen	% saturation	0-100	No Water Quality Objective
Turbidity	NTU	0-25	25
Trace Organic Chemicals			
Metabolites as COCes	mg/L	5	No Water Quality Objective
Metabolites as COCes	mg/L	5	No Water Quality Objective
Trace Metals			
Arsenic as As	mg/L	10	15
Barium as Barium	mg/L	100	No Water Quality Objective
Boron as Boron	mg/L	100	No Water Quality Objective
Mercury as Hg	mg/L	10	No Water Quality Objective
Chromium	mg/L	100	10
Aluminum	mg/L	100	10
Ammonia Phosphorus	mg/L	10	10
Phosphorus (Dissolved)	mg/L	10	10
Trace Organics			
Carbonyl Heat	mg/L	4	4
Residues			
Oil and Grease	mg/L	1	No Water Quality Objective
Organics			
Acetaminophen	mg/L	5	No Water Quality Objective
Acetone (distilled)	mg/L	1	27
Acepromazine	mg/L	0.2	0.2
Calcium (distilled)	mg/L	0.2	0.2
Chlorine (distilled)	mg/L	0.2	0.2
Chlorine (distilled)	mg/L	0.2	No Water Quality Objective
Chlorine (distilled)	mg/L	0.2	0.2
Copper (distilled)	mg/L	0.2	0.2
Iron (distilled)	mg/L	2	No Water Quality Objective
Lead (distilled)	mg/L	0.1	0.1
Magnesium (distilled)	mg/L	0.02	No Water Quality Objective
Manganese (distilled)	mg/L	0.02	No Water Quality Objective
Nickel (distilled)	mg/L	0.2	0.2
Organic Carbon	mg/L	4	4
Organic Carbon	mg/L	1	No Water Quality Objective

[illegible]

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 31 May 2026 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8
Electrical Conductivity	µS/cm	-	20-30
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	90-110
Turbidity	NTU	-	1-20
Laboratory analytes			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	350
Reactive Phosphorus	µg/L	10	5
Phosphorus (Total)	µg/L	10	10
Inorganics			
Cyanide Total	µg/L	4	7
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01
Copper (dissolved)	µg/L	0.5	1.4
Iron (total)	µg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value
Manganese (total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Zinc (dissolved)	µg/L	1	8
Biological			
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
10/05/2026	10/05/2026	27/05/2026	27/05/2026	27/05/2026	27/05/2026	17/05/2026	27/05/2026	27/05/2026	10/05/2026	10/05/2026	10/05/2026
7.68	7.53	7.55	7.97	7.81	7.76	7.21	7.4	8.39	7.47	7.34	7.31
32	30	16	17	18	17	15	16	21	24	22	20
172	221	175	147	156	162	228	179	116	226	228	237
15.14	15.14	8.47	9.97	10	10.08	11.16	8.47	10.03	15.12	14.95	15.04
75.2	74.7	79	81.5	75.9	82.6	62.6	75.9	78.9	75.3	76.5	79.5
1	0.9	49.5	16.8	16.9	19.5	5.7	30.4	18.8	1.1	0.8	0.7
<5	<5	16	<5	<5	<5	<5	<5	<5	<5	<5	<5
17	17	9	9	9	9	7	9	9	12	12	12
20	20	100	150	140	100	<10	70	290	10	20	40
100	<100	600	300	200	600	<100	<100	300	100	<100	<100
40	30	<10	460	90	50	10	<10	120	30	30	50
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
100	<100	600	800	300	600	<100	<100	400	100	<100	<100
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
30	30	20	10	10	30	<10	20	10	40	20	20
<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
61	44	745	142	135	147	140	403	154	51	47	41
<5	<5	19	41	38	40	12	19	42	<5	<5	<5
0.3	0.3	<0.2	0.3	0.3	0.3	<0.2	<0.2	0.3	0.2	0.2	0.2
5,000	5,000	2,000	2,000	2,000	2,000	1,000	2,000	2,000	3,000	3,000	3,000
0.3	<0.2	0.9	0.2	0.3	0.2	0.3	0.4	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
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
58	46	1,430	525	500	444	136	877	532	45	43	35
12	11	204	252	248	220	53	194	255	9	8	8
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
3.6	3.2	146	77.5	62.9	49.1	3.0	122	86.8	3.8	4.4	4.0
<0.5	<0.5	116	1.9	1.8	2.0	1.6	121	2.8	0.7	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	<1	<1	<1	<1	<1	<1	<1	<1	<1
<2	<2	2	-	-	-	-	-	<2	-	-	-
4	2	2	10	11	11	<1	2	10	1	1	<1
6	4	160	-	-	-	-	-	1	-	-	-
2	2	2	3	3	3	2	2	3	2	2	2

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 31 May 2026 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8.0
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	-	80-110
Turbidity	NTU	-	2.25
Laboratory analyses			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	5	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	13
Nitrate/Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	250
Reactive Phosphorus	µg/L	10	15
Phosphorus (Total)	µg/L	10	20
Heavy Metals			
Cyanide Total	µg/L	4	4
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (Total)	µg/L	5	No Water Quality Objective Value
Aluminium (Dissolved)	µg/L	5	27
Arsenic (Dissolved)	µg/L	0.2	5
Calcium (Dissolved)	µg/L	1000	No Water Quality Objective Value
Chromium (Six-Val) (Total)	µg/L	0.2	No Water Quality Objective Value
Chromium (Six-Val) (Dissolved)	µg/L	0.2	0.01
Copper (Dissolved)	µg/L	0.5	1
Iron (Total)	µg/L	2	No Water Quality Objective Value
Iron (Dissolved)	µg/L	2	500
Lead (Dissolved)	µg/L	0.1	1
Magnesium (Dissolved)	µg/L	1000	No Water Quality Objective Value
Manganese (Total)	µg/L	0.5	No Water Quality Objective Value
Manganese (Dissolved)	µg/L	0.5	1,200
Nickel (Dissolved)	µg/L	0.5	8
Zinc (Dissolved)	µg/L	1	2.4
Biological			
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

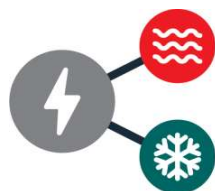
EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL32	EPL55	EPL67	EPL73	EPL76	EPL84	EPL85	EPL86	EPL88	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
23/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026	24/05/2026
6.81	7.48	7.57	7.73	7.16	7.46	7.57	7.84	7.44	8.48	8.67	7.84	7.87	7.93	8.36	8.12	7.87	7.71	7.43	7.46	-	6.54	-	7.97	8.37	8.46	6.7	8.86	-	7.29	7.8	7.94	-	-	8.18	
71	44	89	76	71	69	71	76	421	17	17	26	20	20	31	13	27	52	877	801	-	158	-	380	452	881	957	281	-	422	2105	44	-	-	440	
201	217	227	224	204	217	220	217	235	185	180	215	216	208	191	193	199	185	239	237	-	248	-	163	163	85	276	168	-	219	91	175	-	-	212	
7.7	8.26	8	7.17	7.16	6.67	7.31	7.21	15.4	5.38	5.73	6.7	6.8	9.51	6.3	5.94	7.38	8.02	12.2	15.53	-	6.88	-	10.64	10.91	13.75	14.36	7.25	-	5.56	12.65	12.06	-	-	14.55	
71.4	95.7	97.7	93.4	99.1	79.7	80.8	102.9	54.2	63.5	57	56.1	57.3	52.5	59.7	78.7	66.2	76.9	88.7	17.8	-	14.4	-	63.2	86.8	62.5	65.5	52.5	-	86	62.7	71.4	-	-	60.5	
16	6.6	16.4	5.2	6.6	30	7.8	6.9	17.3	4.9	2	12.7	4.2	10.3	6.1	1.8	25.5	5.6	132	12.8	-	243	-	430	85.7	62.2	47.8	109	-	72.4	11.4	24	-	-	11.3	
<5	<5	<5	<5	<5	<5	<5	<5	10	<5	<5	31	<5	<5	<5	<5	<5	10	9	<5	-	65	-	164	26	17	<5	47	-	30	14	<5	-	-	65	
53	35	53	55	56	48	55	53	995	9	9	13	9	9	7	7	13	20	464	464	-	62	-	77	78	267	522	110	-	171	678	23	-	-	155	
20	80	10	30	<10	<10	30	<10	20	20	<10	<10	<10	140	<10	<10	80	70	20	130	-	20	-	100	60	20	<10	630	-	80	70	60	-	-	10	
<100	<100	800	200	200	200	<100	<100	1,500	<100	<100	<100	<100	300	<100	<100	300	300	5,200	1,400	-	500	-	500	500	1,500	7,000	1,400	-	1,000	6,600	<100	-	-	1,800	
<10	70	40	<10	<10	<10	<10	<10	18,200	<10	<10	<10	20	50	60	<10	20	26	48,000	37,000	-	2,350	-	1,720	3,130	4,630	61,600	7,610	-	10,900	87,000	<10	-	-	43,600	
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	-	20	20	20	<10	40	-	110	400	<10	-	-	<10	
<100	<100	200	200	200	<100	<100	<100	19,400	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	-	2,850	-	2,200	3,600	5,700	68,700	9,000	-	12,000	94,100	<100	-	-	44,900	
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	-	<10	30	<10	<10	<10	<10	10	<10	<10	-	-	<10	
<10	<10	<10	10	20	<10	10	10	<10	30	50	<10	<10	10	10	<10	<10	40	50	20	<10	-	150	-	150	70	50	20	50	-	110	<10	<10	-	-	<10
<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	
<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	
81	27	88	86	95	76	70	71	695	122	98	236	16	94	69	73	122	344	412	199	-	2,780	-	3,270	613	440	7	1,320	-	632	129	162	-	-	6,400	
10	<5	7	8	10	8	9	7	15	13	13	10	10	42	7	6	13	38	<5	<5	-	<5	-	<5	13	<5	<5	14	-	8	<5	6	-	-	<5	
0.5	<0.2	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	0.2	0.9	0.3	-	0.2	-	2.8	6.9	2.8	<0.2	3.1	-	2.8	2.1	0.5	-	-	<0.2
18,000	9,000	18,000	18,000	18,000	15,000	16,000	17,000	18,000	22,000	2,000	2,000	2,000	2,000	1,000	1,000	1,000	3,000	72,000	69,000	-	15,000	-	21,000	21,000	51,000	73,000	31,000	-	52,000	105,000	6,000	-	-	16,000	
0.3	<0.2	0.3	0.2	0.3	0.2	0.2	0.2	1.6	0.4	0.4	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.6	0.5	-	2.2	-	10.0	15.9	4.0	<0.2	19.1	-	23.7	3.1	<0.2	-	-	2.8
0.2	0.2	<0.2	<0.2	0.2	0.3	0.2	<0.2	0.5	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.6	0.5	-	1.9	-	1.9	14.6	2.9	0.2	17.0	-	22.2	3.0	<0.2	-	-	<0.2
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	2.1	1.2	2.2	<0.5	<0.5	-	0.6	0.9	<0.5	-	-	0.8	
62	36	66	72	72	87	53	90	711	137	112	269	45	299	88	96	214	374	386	201	-	3,140	-	4,900	651	531	4	1,320	-	507	124	45	-	-	2,125	
21	17	21	28	27	21	25	25	12	38	24	31	22	208	38	34	71	72	<2	<2	-	<2	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	14,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	-	<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
2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	14,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	-	6,000	-	6,000	5,000	14,000	80,000	8,000	-	10,000	101,000	2,000	-	-	38,000	
2.1	5.6	2.6	8.2	2.7	2.0	2.3	5.1	52.1	5.0	3.6	9.6	1.6	31.1	3.8	4.1	35.2	10.6	38.1	4.5	-	107	-	172	27.1	26.5	8.4	17.3	-	23.0	4.8	<0.5	-	-	68.7	
1.2	4.2	1.7	6.7	1.2	1.1	1.7	4.4	42.4	1.7	1.3	1.8	1.0	1.5	3.0	3.3	31.1	3.0	8.4	0.9	-	15.3	-	59.2	11.5	0.8	4.7	2.5	-	13.6	<0.5	<0.5	-	-	4.7	
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7	<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	
<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1	<1	<1	14	9	28	<1	-	2
<1	<1	<1	<1	<1	<1	<1	<1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	2	2	13	<1	2	-	<1	5	<1	-	-	2	
4	1	2	2	2	2	2	2	2	2	2	1	1	1	4	2	2	4	3	2	2	-	3	-	2	2	5	1	2	-	3	4	3	-	-	16

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 31 May 2026 - Discharge Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives / EPL Discharge Limits*	EPL 41 3/05/2026	EPL 50 17/05/2026
Field					
pH	pH Unit	-	6.5-8.5	7.96	8.03
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	21	58
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	208	216
Temperature	°C	-	No Water Quality Objective Value	17.44	12.84
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	69	54.1
Turbidity	NTU	-	1-20	4.9	0.8
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	2
Nutrients					
Ammonia as N	µg/L	10	1000*/2000**	40	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	200
Nitrate (as N)	µg/L	10	No Water Quality Objective Value	160	120
Nitrite (as N)	µg/L	10	No Water Quality Objective Value	<10	<10
Nitrogen (Total)	µg/L	100	1500*/3000**	200	300
Reactive Phosphorus	µg/L	10	No Water Quality Objective Value	<10	<10
Phosphorus (Total)	µg/L	10	300*/500**	<10	<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 (total)	µg/L	5	No Water Quality Objective Value	<5	<5
Aluminium (dissolved)	µg/L	5	No Water Quality Objective Value	<5	<5
Arsenic (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	1,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	0.8
Chromium (III+VI) (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	0.5
Copper (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	<2	<2
Iron (dissolved)	µg/L	2	No Water Quality Objective Value	<2	<2
Lead (dissolved)	µg/L	0.1	No Water Quality Objective Value	<0.1	<0.1
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	<0.5	0.8
Manganese (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	0.6
Nickel (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Zinc (dissolved)	µg/L	1	No Water Quality Objective Value	<1	<1
Biological					
Biological Oxygen Demand	mg/L	2	3.5*/5**	<2	<2
Chlorophyll a	µg/L	1	No Water Quality Objective Value	<1	<1
Faecal Coliforms	CFU/100mL	1	10*/100**	2	<1
Organic					
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	<1	<1

* EPL Discharge Limits, 90 Percentile Concentration Limit as per EPL 21266

** EPL Discharge Limits, 100 Percentile Concentration Limits as per EPL 21266



Future Generation
Webuild • Clough • Lane

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 31 May 2026 - Discharge Volumes

	EPL 43	EPL 50
Date	Discharge volume (Megalitres)	
1/05/2026	0.31	0.29
2/05/2026	-	0.72
3/05/2026	0.25	0.65
4/05/2026	0.31	0.35
5/05/2026	-	0.52
6/05/2026	-	0.39
7/05/2026	0.55	0.41
8/05/2026	-	0.49
9/05/2026	0.52	0.32
10/05/2026	0.22	0.41
11/05/2026	0.42	-
12/05/2026	0.22	0.53
13/05/2026	0.46	0.31
14/05/2026	-	0.16
15/05/2026	0.47	-
16/05/2026	-	0.32
17/05/2026	0.26	0.54
18/05/2026	0.39	0.94
19/05/2026	0.36	0.42
20/05/2026	0.52	0.64
21/05/2026	-	0.76
22/05/2026	-	0.49
23/05/2026	-	0.66
24/05/2026	0.17	-
25/05/2026	-	0.80
26/05/2026	0.38	0.55
27/05/2026	0.47	0.18
28/05/2026	0.33	0.48
29/05/2026	-	0.41
30/05/2026	0.65	0.49
31/05/2026	-	0.39

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026

Table 1 - Surface Water Quality Data
River and Minor Watercourses

Water Quality Objectives												
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
23 May 2026, 8:14 AM	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	7.7	71.4	8.52	71	46	6.81	201	10	Sunny day, cold day, no recent rain, clear water, no odor, medium flow	This is an upgradient location and not impacted by project works
23 May 2026, 8:51 AM	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	6.26	95.7	11.83	44	29	7.48	217	6.5	cold day, slow flow clear water, no odor	All parameters are within the WQO's
23 May 2026, 9:59 AM	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	8	97.7	11.56	89	58	7.57	227	15.4	Sunny day, medium flow, clear water, no odor	All parameters are within the WQO's
23 May 2026, 10:22 AM	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	7.17	93.4	11.29	76	50	7.73	224	5.2	Sunny day, clear water, foam on the surface, no odor, medium flow	All parameters are within the WQO's
23 May 2026, 8:30 AM	EPL12	Yarrangobilly River, immediately downstream of portal pad	7.16	99.1	12.16	71	46	7.16	204	6.8	Cold day, no recent rain, a bit foam on the surface, no odor, clear water	All parameters are within the WQO's
23 May 2026, 9:13 AM	EPL14	Yarrangobilly River, downstream of road construction areas	6.67	79.7	9.75	69	45	7.46	217	10	Sunny day, clear water, slow flow, no odor	Low DO% is within the range of the baseline water quality results in the surface water management plan.
23 May 2026, 9:36 AM	EPL15	Yarrangobilly River, downstream of road construction areas	7.31	80.8	9.73	71	46	7.57	220	7.1	Snny day, slow flow, a bit of foam on the surface, odor, clear water	Low DO% is within the range of the baseline water quality results in the surface water management plan.
23 May 2026, 10:41 AM	EPL16	Yarrangobilly River, downstream of road construction areas	7.21	102.9	12.43	76	49	7.94	217	6.9	Sunny day, clear water, no odor, medium flow, a bit turbulent, QAs conducted here	All parameters are within the WQO's
16 May 2026, 2:32 PM	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	15.4	54.2	5.4	421	274	7.44	235	17.3	Clear day. No recent rain. Water lightly milky in colour. Low level. Medium flow.	These results are consistent with previous sampling rounds.
9 May 2026, 8:16 AM	EPL26	Eucumbene River downstream of Marica Road	5.38	63.5	8.03	17	11	8.49	185	4.9	Clear day, no raining, medium water level and fast flow, clear water, no odour, signs of animal activity.	These results are consistent with the upstream location.
9 May 2026, 7:58 AM	EPL27	Eucumbene River upstream of Marica Road	5.73	57.0	7.15	17	11	8.67	180	2	Clear day, no raining, no odour, fast flow, medium water level, clear water. QAs collected here.	This is an upgradient location and not impacted by project works.
17 May 2026, 8:48 AM	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	6.7	56.1	6.86	25	16	7.84	215	12.7	Foggy morning. No recent rain. Water level and flow medium. Signs of hard hooved animal activity at sample location.	These results are consistent with the upstream location.
17 May 2026, 8:34 AM	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	6.8	57.3	6.99	20	13	7.87	216	4.2	Foggy morning. No recent rain. Signs of hard hooved animal activity near sample point. Water level and flow medium.	This is an upgradient location and not impacted by project works.
17 May 2026, 7:48 AM	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	9.51	52.5	6	20	13	7.93	208	10.3	Foggy morning. No recent rain. Reservoir discharging at time of sample collection. Algal growth at bed of stream.	Parameters are similar to the upgradient reservoir locations. Algal growth has been noted in the field observations
17 May 2026, 7:08 AM	EPL34	Nungar Creek, upstream of Tantangara Road	6.3	59.7	7.37	31	20	8.36	191	6.1	Foggy morning. No recent rain. Medium flow and level. Signs of hard hooved animal activity near sample point. Algal growth in stream bed.	This is an upgradient location and not impacted by project works
17 May 2026, 7:15 AM	EPL35	Nungar Creek, downstream of Tantangara Road	5.94	78.7	9.81	13.0	9	8.12	193	3.8	Foggy morning. No recent rain. No odour or sheen. Signs of hard hooved animal activity near sample point. Algal growth at bed of stream. Water level and flow medium.	The parameters are consistent with the upgradient location and historical results.
9 May 2026, 9:36 AM	EPL 36	Camerons Creek, upstream of works in Rock Forest	7.38	66.2	7.96	27	17	7.87	199	25.5	Clear day, no rain, no flow, no odour, no sheen, signs of animal activity	This is an upgradient location and not impacted by project works
9 May 2026, 9:53 AM	EPL 37	Camerons Creek, downstream of works in Rock Forest	8.02	76.9	9.1	52	34	7.71	185	5.6	Clear day, no rain, low water level, slow flow, clear water, no odour, signs of animal activity. QAs collected here.	Low DO% has been recorded at this location over the last 12 months.
23 May 2026, 11:24 AM	EPL52	GF01 leachate basin	12.2	88.7	9.49	877	561	7.43	239	132	Sunny day, basin' water level pretty full, no odor, turbid	Parameters are representative of leachate storage infrastructure
16 May 2026, 3:25 PM	EPL55	GF01 surface water downstream	15.53	97.8	9.73	801	512	7.46	207	12.8	Clear day. No recent rain. Water clear with no odour. GF01 recently overtopping.	High EC could be attributed to the recent overtopping of the upgradient leachate basin (GF01) as mentioned in the field notes.
-	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	-	-	-	-	-	-	-	-	-	Reservoir level was to low to collect sample
9 May 2026, 6:53 AM	EPL71	Surface water downstream of Marica emplacement	6.88	54.8	6.66	158	101	6.54	248	243	Cloudy day, no raining, milky colour water, slow flow, no odour, heavy vegetated creek.	Low water levels and flow could contribute to sediments being disturbed during sample collection affecting turbidity. Low DO% has been observed at this location previously. This location is being monitored due to prior TKN levels being elevated.
-	EPL76	Rock Forest Leachate basin	-	-	-	-	-	-	-	-	-	Basin dry
16 May 2026, 9:20 AM	EPL84	F8 Basin	10.64	63.2	7.02	380	247	7.97	163	410	QA_MY_01, sunny day, highly turbid, no odour or sheen, inflows into basin, basin overtopping	Parameters are representative of leachate storage infrastructure
16 May 2026, 9:33 AM	EPL85	MY07 Basin	10.91	86.8	9.58	452	294	8.17	163	86	Overcast day, no odour or sheen, turbid, birds present no	Parameters are representative of leachate storage infrastructure
16 May 2026, 10:34 AM	EPL86	LHG01 Basin	13.75	62.5	6.46	883	565	8.44	85	62.2	Overcast day, inflow into basin from leachate line, turbid, no odour or sheen	Parameters are representative of leachate storage infrastructure
23 May 2026, 11:27 AM	EPL98	Rock blanket diversion monitoring under GF01 liner	14.36	65.5	6.68	957	613	6.7	276	47.8	Sunny day, clear water, algae around the discharge point	Results are consistent with previously recorded data from prior sampling rounds

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026												
9 May 2026, 7:40 AM	EPL99	Marica Leachete Basin- Turkey's Nest	7.25	52.5	6.33	281	183	8.86	168	109	Clear day, no raining, no odour, active discharge into the basin.	Parameters are representative of leachate storage infrastructure
9 May 2026, 7:20 AM	EPL100	Marica Lower Leachate Basin USS Shaft	-	-	-	-	-	-	-	-	Low water level, it is not possible to safely sample.	Basin dry
9 May 2026, 7:26 AM	EPL101	Marica Leachate Basin Spoil Pad	5.56	86	10.81	422	275	7.29	219	72.4	Clear day, no raining, low water level, no odour, vac truck desilting the basing at time of sampling.	Parameters are representative of leachate storage infrastructure
16 May 2026, 10:13 AM	EPL106	Ravine Bay Leachate basin 1	12.65	62.7	6.6	2,100	1,340	7.8	91	13.4	Clear day. No recent rain. Water clear no odour. Water taken from tap at holding tanks.	Parameters are representative of leachate storage infrastructure
16 May 2026, 11:09 AM	EPL110	Upstream monitoring of Ravine Bay emplacement area	12.06	71.4	7.69	44	29	7.94	175	24	Clear day. No recent rain. Water flowing well. No odour or sheen.	This location is upstream of project works and therefore not considered to be impacted by construction
18 May 2026, 12:23 PM	EPL118	Ravine Bay Leachate basin 2	-	-	-	-	-	-	-	-	No sample taken due to safe access issues.	Basin not sampled due to access issues
18 May 2026, 12:04 PM	EPL119	Ravine Bay Leachate basin 3	-	-	-	-	-	-	-	-	No sample taken due to safe access issues	Basin not sampled due to access issues
18 May 2026, 12:01 PM	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	No water sample taken due to water level is very low	Basin not sampled due to access issues
16 May 2026, 2:51 PM	EPL122	GFO1 Drainage Line (Formerly EPL 55b)	14.55	60.5	6.15	440	286	8.18	212	11.3	Clear day. No recent rain. Water flow and level low.	These parameters are consistent with previously recorded data.

Table 2 - Reservoir Water Quality Data
Talbingo and Tantangara Reservoirs

Water Quality Objectives												
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 May 2026, 1:06 PM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	16.5	97.4	9.54	63.6	41	7.72	86.5	1.92	No recent rain, no foam sheen or odour clear water	All parameters are within the WQO's
2 May 2026, 12:28 PM	EPL11	Talbingo Reservoir, downstream of outlet	16.6	96.4	9.41	59.9	39	7.72	87.2	1.1	Clear water slight algal presence, no recent rain. No foam sheen or odour	All parameters are within the WQO's
27 May 2026, 9:33 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	8.47	79	9.25	16	10	7.55	175	49.5	Cloudy day, no rain, low reservoir level, no odour, slightly wind, turbid water, visible suspended solids.	This location is upstream and not affected by project activities
27 May 2026, 8:37 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	9.97	81.5	9.2	17	11	7.97	147	16.8	Cloudy day, no rain, low reservoir level, no odour, no windy, visible suspended solids.	Parameters are representative of upstream location
27 May 2026, 8:45 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	10	75.9	8.57	18	11	7.81	156	16.9	Cloudy day, no rain, low reservoir level, no odour, no wind, visible suspended solids. QAs collected in this location.	Parameters are representative of upstream location
27 May 2026, 8:58 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	10.08	82.6	9.31	17	11	7.76	162	19.5	Cloudy day, no rain, low reservoir level, no odour, slightly windy, visible suspended solids.	Parameters are representative of upstream location
17 May 2026, 10:59 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	11.16	62.6	6.88	15	10	7.21	228	5.7	Clear water medium flow. No recent rain. Signs of hard hooved animals at sample point. Algal and other vegetation around sample point.	This location is upstream and not affected by project activities
27 May 2026, 9:40 AM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	8.47	75.9	8.89	16	11	7.4	179	30.4	Cloudy day, no rain, low water level, no odour, visible suspended solids.	This is an upgradient location and not influenced by construction works
27 May 2026, 8:27 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	10.03	78.9	8.91	21	13	8.39	116	18.8	Cloudy day, no rain, low water level, no windy, no odour, visible suspended solids.	Parameters are representative of upstream location, with the exception of pH being elevated.
10 May 2026, 9:10 AM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	15.12	75.3	7.57	24	7.57	7.47	226	1.1	Clear sunny day, no odour or sheen, clear	This is an upgradient location and not influenced by construction works
10 May 2026, 8:58 AM	EPL108	Monitoring of Ravine Bay emplacement area (center of PSE) within Yarrangobilly River	14.95	76.5	7.72	22	15	7.34	228	0.8	Clear sunny day, no odour, slight sheen, clear	Parameters are representative of upstream location
10 May 2026, 8:48 AM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	15.04	79.5	8.01	20	13	7.31	237	0.7	Clear sunny day, clear no odour or sheen, QA_LOBS_1 and 2 sampled here	This is an upgradient location and not influenced by construction works

Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives												
Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	700	-	6.5 - 8.5	-	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
3 May 2026, 10:45 AM	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	17.44	69	6.61	21	14	7.96	208	4.9	Clear water. QA_LOBS_2 and QA_LOBS_3 taken here.	All parameters are within the WQO's

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives												
Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	168	-	6.5 - 8.5	-	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 May 2026, 9:13 AM	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	12.84	54.1	5.71	58	38	8.03	216	0.8	Area around sample location clean and tidy. Plant recirculating at time of collection. QA's taken here.	All parameters are within the WQO's

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026

Table 5 - Groundwater Quality Data

Lobs Hole, Tantangara, Marica and Rock Forest

Water Quality Objectives							
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
30 May 2026, 2:38 PM	EPL1	Wallace Creek Bridge, west of ECVT portal	-	-	-	-	-	-	-	-	No sample taken due to water inundation.	No sample taken due to water inundation
30 May 2026, 2:19 PM	EPL2	Wallace Creek Bridge, West of ECVT portal	13.33	59.6	6.22	449	292	6.67	103	25.6	Overcast day. Light rain over last 24hrs. Grey mettalic colour in base of sleeve suspected from unused bore logger. Sulphuric smell.	Metallic odours and colours have been reported at this location previously. Sulphuric smell could be put down to low Dissolved Oxygen % within the aquifer
30 May 2026, 2:17 PM	EPL4	Lobs Hole Portal Access, west of MAT portal	-	-	-	-	-	-	-	-	Sample not taken due to water inundation.	No sample taken due to water inundation
30 May 2026, 2:46 PM	EPL25	Monitoring wel, downslope of MAT portal	13.14	11	1.15	453	295	6.46	-30	1000	Overcast day. Light rain in previous 24hrs. Water muddy brown colour at base of sleeve.	Low DO%, and pH are consistently recorded at this location, as is high EC.
11 May 2026, 2:45 PM	EPL56	GF01 groundwater upstream east	15.09	9	0.91	165	107	7.59	120	17.2	Sunny day, no recent rain, no odour, clear water.	This is an upgradient location and not impacted by project works
11 May 2026, 2:59 PM	EPL57	GF01 groundwater upstream west	14.74	11.5	1.17	188	122	8.19	122	24.5	Sunny day, no recent rain, wet ground arupnd sample point, it is assumed water car sprayed recently, clear water, no odour.	This is an upgradient location and not impacted by project works
16 May 2026, 3:07 PM	EPL58	GF01 groundwater downstream	16.5	16.3	1.58	697	446	6.28	266	3.7	Clear day. No recent rain. Water clear no odour. QA's taken here.	Low DO% and elevated EC fall within previously recorded data range.
8 May 2026, 7:42 AM	EPL64	Marica groundwater downgradient of the TSE	8.02	82.3	9.72	370	241	7.8	156	18.2	Lightly raining, cloudy and foggy day, water pooling at sample point, clear water, no odour.	Low DO% and slightly elevated EC are consistently recorded at this location
8 May 2026, 7:28 AM	EPL65	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	No water available, dry.	Location not sampled due to availability of water
8 May 2026, 7:20 AM	EPL66	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	No water available.	Location not sampled due to availability of water
17 May 2026, 11:20 AM	EPL68	Tantangara groundwater downstream West	12.98	52.9	5.57	14	9	6.2	275	2.1	Clear day. No recent rain. Water clear with no odour.	Parameters at this location are representative of the upstream location
17 May 2026, 11:27 AM	EPL69	Tantangara groundwater downstream East	13.71	30.7	3.19	24	16	6.02	275	322	Clear day. No recent rain. Water yellowy orange colour. No odour.	Parameters at this location are representative of the upstream location
17 May 2026, 10:12 AM	EPL70	Tantangara groundwater upstream	11.65	42.4	4.6	95	62	7.23	242	68	Clear day. No recent rain. Yellowy sediment at base of sleeve.	This location is upgradient to construction works and not affected by the project.
8 May 2026, 8:01 AM	EPL 72	Marica groundwater upstream	8.49	63.2	7.39	66	43	7.52	203	30.1	Cloudy and foggy day, clear water, no odour, water pooling near sample point.	This location is upgradient to construction works and not affected by the project.
16 May 2026, 12:39 PM	EPL80	Lick Hole Gully groundwater upstream	17.36	34.8	3.33	840	538	5.45	53	124	Highly stratified water column, orange growth present, slightly turbid, no odour, concrete pad requires work	This location is upgradient to construction works and not affected by the project. Low pH is characteristic at this site however %.45 is on the lower side again, this could be put down to sampling error and will be monitored in future rounds.
16 May 2026, 10:43 AM	EPL81	Lick Hole Gully groundwater downstream	13.75	62.5	6.46	883	565	8.44	85	62.2	Purged with submersible pump, turbid, no odour	These parameters are consistent with the upstream location, other than pH, which will be monitored
16 May 2026, 1:06 PM	EPL82	Main Yard groundwater upstream	17.69	18.8	1.77	2,980	1,910.00	8.65	-118	96	Strong sulphuric odour, clear, hydrasleeve required	This location is upgradient to construction works and not affected by the project. Elevated EC is within previously recorded range.
16 May 2026, 10:12 AM	EPL83	Main Yard groundwater downstream	13.83	39.5	4.08	771	494	7.35	89	216	Overcast day , no odour or sheen, slightly milky, purged via submersible pump	Low DO% and elevated EC within previously recorded data range. Turbidity is mentioned in the field notes.
16 May 2026, 9:01 AM	EPL87	Main Yard groundwater downstream	13.78	41.4	4.27	903	578	7.34	172	268	Bore purged with submersible pump, no odour or sheen, turbid,	Low DO% and elevated EC within previously recorded data range.
16 May 2026, 9:46 AM	EPL88	Main Yard groundwater downstream	14.24	22.8	2.33	842	539	7.17	-133	28.2	Sulphuric odour, clear, no sheen	Low DO% and elevated EC within previously recorded data range. Turbidity is mentioned in the field notes.
16 May 2026, 12:09 PM	EPL89	Lick Hole Gully groundwater downstream	18.6	31.2	2.92	129	84	8.22	85	351	Water colum stratified, hydrasleeve half full, turbid, no odour or sheen, oil and grease not sampled due to limited water	Elevated pH and low DO% fall within historic records.Turbidity is noted in the field observations.
11 May 2026, 1:54 PM	EPL 90	GF01 groundwater downstream	15.7	79	7.85	161	105	6.64	200	2	Sunny day, no recent rain, clear water, no odour. QAs collected in this location. QA_LOBS_1, QA_LOBS_2.	Low DO% results are consistent with previous sampling rounds.
11 May 2026, 1:41 PM	EPL 91	GF01 groundwater downstream	17.11	18.3	1.76	167	108	6.94	185	22.7	Sunny day, no recent rain, clear water, no odour.	Low DO% results are consistent with previous sampling rounds.
11 May 2026, 2:09 PM	EPL 92	GF01 groundwater downstream	15.21	51.9	5.21	103	67	6.67	203	382	Sunny day, no recent rain, wet ground around sampling point, it is assumed water car was spraying recently, no odour, turbid water.	Low DO% results are consistent with previous sampling rounds. Turbidity is mentioned in the field observations.
11 May 2026, 2:19 PM	EPL 93	GF01 groundwater downstream	15.63	18.7	1.85	163	106	7.21	126	35	Sunny day, no recent rain, no odour, yellow/orange water colour, turbid water.	Low DO% results are consistent with previous sampling rounds. Turbidity is mentioned in the field notes.
11 May 2026, 2:29 PM	EPL 94	GF01 groundwater downstream	15.55	38.6	3.84	119	77	7.26	18	63.8	Sunny day, no recent rain, no odour, turbid water, bore appeared to be run over by a vehicle.	Low DO% results are consistent with previous sampling rounds. Turbidity is mentioned in the field observations.
16 May 2026, 3:18 PM	EPL 95	GF01 groundwater downstream	16.26	11.5	1.13	541	346	6.25	262	46	Clear day. No recent rain. Water clear no odour.	These results are consistent with previous sampling rounds.
16 May 2026, 3:35 PM	EPL 97	GF01 groundwater downstream	16.27	76.6	7.51	351	228	6.87	183	45.7	Clear day. No recent rain. Water clear no odour.	Elevated EC and low DO% are consistent with previous sampling rounds. Water clarity is mentioned in the field notes.
17 May 2026, 10:27 AM	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	12.47	36.5	3.89	32	21	6.71	265	19.1	Clear day. No recent rain. Water clear no odour.	This location is upgradient to construction works and not affected by the project. Low DO% is historically recorded at this location.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring April 2026												
17 May 2026, 11:49 AM	EPL104	Dowslope groundwater monitoring east of the Tantangara emplacement area	13.17	27.6	2.9	36	24	6.08	285	60	Clear day. No recent rain. Water clear with no odour.	Low DO% and pH results are consistent with previous sampling rounds.
17 May 2026, 10:46 AM	EPL105	Dowslope groundwater monitoring west of the Tantangara emplacement area	12.67	51.5	5.47	111	72	6.07	284	10.1	Clear day. No recent rain. Water clear. No odour.	Low DO% and pH results are consistent with previous sampling rounds.
16 May 2026, 10:48 AM	EPL113	Upstream east monitoring of Ravine Bay emplacement area	13.49	33.6	3.5	89	58	7.33	199	58.9	Clear day. No recent rain. Water level high (780mm TOC). Water slight yellowy colour. Clear slimy substance on outside of hydrosleeve.	This location is upgradient to construction works and not affected by the project.
16 May 2026, 10:20 AM	EPL114	Upstream west monitoring of Ravine Bay emplacement area	13.53	27.7	2.89	294	191	7.69	121	7.2	Clear day. No recent rain. Water clear no odour.	This location is upgradient to construction works and not affected by the project.
16 May 2026, 11:24 AM	EPL115	Downstream east monitoring of Ravine Bay emplacement area	13.93	25.9	2.68	241	157	7.7	182	14.3	Clear day. No recent rain.	Low DO% and pH results are consistent with previous sampling rounds and considered background.
16 May 2026, 9:50 AM	EPL116	Downstream west monitoring of Ravine Bay emplacement area	14.32	57.5	5.88	97	63	7.07	52	279	Clear day. No recent rain. Sediment in base of sleeve. No odour.	These results are consistent with previous sampling rounds. Turbidity is noted in the field observations.
16 May 2026, 9:17 AM	EPL117	Downstream monitoring of Ravine Bay emplacement area	13.86	24.1	2.49	98	64	7.11	1	94	Clear day. No recent rain. Water clear no odour.	Low DO% results are consistent with previous sampling rounds. Water clarity is noted in the field observations.
8 May 2026, 10:27 AM	EPL123	Upgradient west of the Rock Forest PSE	11.77	83.6	9.06	19	12	6.21	233	1000	Partially cloudy day, no rain, no odour, turbid water, orange sediment at the based of hydrasleeve.	This location is upgradient to construction works and not affected by the project.
8 May 2026, 10:41 AM	EPL124	Upgradient (NE) of the Rock Forest PSE	12.66	62.7	6.65	17	11	5.49	273	1000	Partially cloudy day, no rain, turbid water, sediment at the base of hydrasleeve, no odour	This location is upgradient to construction works and not affected by the project.
8 May 2026, 10:10 AM	EPL125	Downgradient (S) of the Rock Forest PSE	11.84	85.8	9.28	71	46	6.17	252	1000	Partially cloudy day, no rain, orange/yellow sediment at the end of hydrasleeve, no odour.	Low DO% results are consistent with previous sampling rounds. Water clarity is noted in the field observations.
8 May 2026, 9:57 AM	EPL126	Downgradient (SE) of the Rock Forest PSE	10.89	85.3	9.43	267	173	7.39	86	1000	Partially cloudy day, no raining, milky water colour, no odour, signs of animal activity around sampling point.	Low DO% results are consistent with previous sampling rounds. Water clarity is noted in the field observations.
8 May 2026, 9:40 AM	EPL127	Downgradient of the Rock Forest PSE.	10.53	46.2	5.15	100	65	7.14	248	133	Partially cloudy day, no raining at the time of sampling, clear water, no odour, signs of animal activity around sampling point	Low DO% results are consistent with previous sampling rounds. Water clarity is noted in the field observations.



Snowy 2.0 Environmental Protection License Water Quality Results

Monitoring Period	1 - 30 June 2026
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

SUMMARY	
Groundwater Water Quality Results:	Data trends at GF01 remained stable with minimal variation, with the exception of dissolved copper at EPL95, which decreased from 123 µS/L to 53.6 µS/L, and Ammonia as N, which decreased from 140 µS/L to 20 µS/L. Across the Main Yard locations, minor fluctuations in metals were observed; dissolved arsenic at EPL82 exhibited an upward trend, increasing from 9.3 µS/L to a peak of 17.8 µS/L, while dissolved zinc at EPL88 maintained a steady trend at 15 µS/L. Therefore, Nutrient concentrations at the Main Yard remained stable throughout the period. Within Ravine Bay, downstream locations met the WQO for aluminium, except for location EPL113, which recorded a concentration of 85 µS/L. Concurrently, dissolved chromium concentrations at EPL113 and EPL114 remained elevated, registering concentrations between 0.5 µS/L and 0.6 µS/L. Crucially, these specific locations are situated upgradient and function as reference points representing natural ambient background conditions. In contrast, monitoring profiles at Marica, Tantangara, and Rock Forest remained stable, aligning with historical baseline data for wet- winter conditions. No samples were collected in June at Marica EPL65 and EPL66 as both bores were dry.
Reservoir Water Quality Results:	During this reporting period, Tantangara Reservoir recorded an upward trend in dissolved aluminum concentrations at the upstream monitoring point EPL28, peaking at 76 µS/L. This elevated profile was subsequently reflected downstream at monitoring locations EPL38 and EPL29. However, this localised spike aligns with the established Baseline Water Quality in the Surfacewater Management Plan, confirming that the July results represent a seasonal environmental fluctuation rather than project-attributed impacts. Conversely, Ammonia as N concentrations registered a downward trend across the network, consistent with characteristic winter reservoir dynamics. While TN levels remained outside of the WQO at locations EPL28, EPL29, EPL38, and EPL51, a notable overall decline was recorded, with concentrations decreasing from 800 µS/L to 400 µS/L. In contrast, Talbingo Reservoir maintained stable baseline trends, with TN concentrations within the WQO. Additionally, a marked reduction in thermotolerant coliform counts across both reservoirs was observed, primarily driven by seasonal declines in water temperature during July.
Surface Water Quality Results:	Along the Yarrangobilly Monitoring Zone, the highest NT concentrations were recorded in the vicinity of GF01 at EPL55 (35,800 µg/L), EPL122 (23,700 µg/L) and EPL24 (2,000 µg/L), reflecting the downgradient influence of the GF01 emplacement. However, NT concentrations at all three locations were lower than those recorded in May. Total phosphorus concentrations along the Yarrangobilly River ranged from 20 to 50 µg/L, with the highest concentration recorded at EPL9. And increased dissolved aluminium concentrations compared to previous months were recorded at EPL12, EPL5, EPL15, EPL14, EPL8 and EPL16, with concentrations of 90 µg/L, 81 µg/L, 80 µg/L, 77 µg/L, 73 µg/L and 69 µg/L, respectively. As elevated concentrations were observed at both upstream and downstream locations, the increases are considered to be attributable to factors external to project activities. The Marica Monitoring Zone recorded concentrations of most nutrients and metals within the relevant WQOs, with the exception of ammonia, which ranged from 20 to 40 µg/L. These concentrations are consistent with the elevated levels typically observed during winter and are comparable to those recorded during the same period last year. Total phosphorus exceeded the WQO at EPL71; however, concentrations have continued to decline, decreasing from 210 µg/L in April to 150 µg/L in May and 80 µg/L in June. The Tantangara Monitoring Zone recorded exceedances of NT at EPL30, EPL33 and EPL35. The exceedances at EPL30 and EPL35 were primarily driven by elevated TKN concentrations, while the exceedance at EPL33 was attributable to elevated NOx. Dissolved aluminium concentrations exceeded the WQOs at all surface water monitoring locations within this monitoring zone. As elevated concentrations were observed at both upstream and downstream locations, these results are considered to be attributable to external factors rather than project activities. The Rock Forest Monitoring Zone recorded exceedances of the WQOs for total phosphorus, dissolved aluminium and chromium at both upstream and downstream monitoring locations. As these exceedances were observed both upstream and downstream of the project area, the results are considered to be attributable to external factors rather than project activities.
Discharge Water Quality Results:	Discharge water quality concentrations were within the EPL 90 percentile limits.
Leachate Water Quality Results:	Leachate storage infrastructure continues to exhibit the highest nutrient concentrations in the monitoring network, with total phosphorus up to 90 µg/L at EPL84 and EPL85, ammonia up to 360 µg/L at EPL99 and total nitrogen up to 56,700 µg/L at EPL52. Metal concentrations exceeding WQOs were also recorded, including dissolved zinc up to 4 µg/L at EPL52, dissolved copper up to 1.6 µg/L at EPL86, dissolved aluminium up to 58 µg/L at EPL101 and dissolved chromium up to 25.9 µg/L at EPL85. These results are within expectations for locations storing leachate water. No samples were collected in June at the Ravine Bay leachate basins (EPL106, EPL118, EPL119, EPL120) due to access safety concerns. EPL76 corresponds to the Pollution Control Basin (PCB) at Rock Forest, which is currently under construction; therefore, sampling has not yet commenced.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 30 June 2026 - Groundwater

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Physicochemical			
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	-	80-110
Turbidity	NTU	-	≤ 2.5
Subsistence			
TSS	mg/L	5	No Water Quality Objective Value
Hydrogen Ion Concentration	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	21
Nitrate Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrite as N	µg/L	10	No Water Quality Objective Value
Nitrate as N	µg/L	10	No Water Quality Objective Value
Mercury (Total)	µg/L	100	250
Reactive Phosphorus	µg/L	10	15
Phosphorus (Total)	µg/L	10	20
Trace Metals			
Cadmium Total	µg/L	5	5
Polychlorinated Biphenyls (PCBs)			
PCB and Congener	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (Dissolved)	µg/L	5	No Water Quality Objective Value
Aluminium (Inorganic)	µg/L	5	27
Antimony (Dissolved)	µg/L	0.2	0.5
Cadmium (Dissolved)	µg/L	1,000	No Water Quality Objective Value
Chromium (Hexavalent) (Total)	µg/L	0.2	No Water Quality Objective Value
Chromium (Hexavalent) (Dissolved)	µg/L	0.2	0.01
Copper (Dissolved)	µg/L	0.5	1
Iron (Dissolved)	µg/L	2	No Water Quality Objective Value
Iron (Inorganic)	µg/L	2	100
Lead (Dissolved)	µg/L	0.1	1
Magnesium (Dissolved)	µg/L	1,000	No Water Quality Objective Value
Manganese (Dissolved)	µg/L	0.5	No Water Quality Objective Value
Manganese (Inorganic)	µg/L	0.5	1,000
Nickel (Dissolved)	µg/L	0.5	5
Nickel (Inorganic)	µg/L	1	5.5
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

EP101	EP107	EP108	EP104	EP105	EP106	EP109	EP110	EP112	EP103	EP101	EP102	EP103	EP106	EP105	EP107	EP103	EP104	EP105	EP110	EP111	EP102	EP103	EP106	EP105	EP107	EP103	EP104	EP105	EP110	EP111	EP102	EP103	EP106	EP105	EP107	EP103	EP104	EP105	EP110	EP111	EP102	EP103	EP106	EP105	EP107
1/06/2026	1/06/2026	1/06/2026	1/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	01/06/2026	
7.18	7.62	6.10	6.08	-	-	6.57	6.64	7.05	6.20	6.89	7.53	6.75	7.72	7	7.34	6.97	5.73	6.91	6.32	6.44	6.94	6.17	6.55	6.37	6.55	6	6.48	7.09	7.19	6.83	7.61	7.38	5.11	5.96	6.62	6.78	-	-	-	-	-	-	-		
185	211	777	453	-	-	15	21	62	60	651	505	2,670	412	862	640	205	244	198	124	184	134	597	400	32	46	205	49	258	342	90	101	36	25	103	260	120	-	-	-	-	-	-	-		
13	11	148	214	-	-	307	130	188	228	143	247	0	133	200	234	251	169	161	137	38	7	137	134	320	108	240	201	153	176	141	39	111	348	303	13	133	-	-	-	-	-	-	-		
13.29	13.26	14.82	8.11	-	-	11.77	12.27	9.35	6.45	14.74	11.13	10.03	13.58	13.56	14.5	13.22	14.19	15.08	13.34	13.87	13.9	14.45	14.9	11.26	12.47	13.23	12.38	13.63	12.85	14.81	15.17	11.44	12.14	12.58	12.35	11.8	-	-	-	-	-	-			
16.9	23.3	23.9	24.9	-	-	62.3	51.1	47.4	47.2	31.4	54.3	94.2	75.4	25.6	49.1	68.8	36.1	50.4	38.3	19.7	29.1	19.7	13.9	37.7	51.9	30.9	45.6	21.4	23.1	59	34.9	59.6	70.1	47.1	88.4	42.4	-	-	-	-	-	-			
15.8	11.6	5.6	46.1	-	-	21.1	200	100	122	100	307	9.22	142	109	13.6	9.4	4.6	25.4	100	100	40.9	52.6	49.2	44.1	34.8	21.6	124	15	64.7	92.1	55.8	136	1000	300	2000	146	-	-	-	-	-	-			
Subsistence																																													
10	9	<5	<5	-	-	<5	175	5	16	20	80	93	147	158	5	<5	<5	30	894	518	103	24	131	19	<5	<5	25	10	14	266	14	512	754	110	251	20	-	-	-	-	-	-			
133	125	172	207	-	-	<5	1	31	17	62	86	1,200	147	127	181	11	27	122	<5	121	78	208	161	9	20	93	33	104	108	50	20	<5	<5	29	51	10	-	-	-	-	-	-			
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700	3,110	46,300	130	-	-	870	200	930	300	<10	10	<10	1,420	5,140	20	10	8,100	10	30	<10	<10	35,000	680	4,000	530	4,220	40	10	10	90	170	440	600	20	<100	90	-	-	-	-	-	-			
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700	3,100	11,000	100	-	-	1,200	400	1,100	400	100	200	1,400	1,400	1,000	1,000	<100	1,000	1,200	<100	42,100	700	1,200	1,000	4,200	400	200	100	800	300	1,000	1,000	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100			
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Trace Metals																																													
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61	227	16	276	-	-	272	3,040	340	405	7	553	743	5,830	3,430	60	350	304	308	11,000	16,300	1,340	279	1,500	396	136	51	4,370	231	223	4,800	108	15,600	29,100	4,200	23,200	470	-	-	-	-	-	-	-		
<5	<5	<5	8	-	-	13	24	<5	10	<5	<5	<5	<5	<5	13	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
<0.2	4.3	<0.2	2.7	-	-	<0.2	<0.2	<0.2	0.9	0.9	17.8	2.0	0.4	9.0	0.3	<0.2	0.3	2.3	1.5	1.1	0.2	<0.2	<0.2	<0.2	0.6	0.3	0.3	<0.2	<0.2	0.6	0.3	<0.2	<0.2	0.5	0.9	0.2	-	-	-	-	-	-			
17,000	17,000	40,000	50,000	-	-	11,000	2,000	4,000	2,000	114,000	143,000	37,000	31,000	17,000	18,000	1,000	19,000	11,000	18,000	8,000	21,000	7,000	3,000	14,000	6,000	10,000	10,000	4,000	<1,000	<1,000	4,000	13,000	4,000	13,000	4,000	13,000	4,000	13,000	4,000	13,000	4,000	13,000	4,000		
0.2	1.1	0.2	2.7	-	-	0.3	4.1	0.3	1.1	1.3	10.8	1.3	39.0	9.1	0.7	0.8	1.6	0.7	10.8	41.6	4.0	4.0	0.2	0.2	0.3	0.3	2.3	2.1	0.8	3.8	1.2	15.0	26.0	5.4	95.1	0.4	-	-	-	-	-	-			
<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	<0.2	<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	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
0.6	0.4	0.9	1.7	-	-	0.7	3.4	<0.2	38.4	<0.5	<0.5	<0.5	22.8	4.9	28.0	6.2	2.1	<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		
118	191	16	194	-	-	126	3,200	188	431	6,400	473	5,400	7,000	4,120	270	267	769	848	7,400	16,000	6,100	896	2,550	312	80	2	1,700	203	275	5,100	2,010	17,200	3,240	8,170	208	-	-	-	-	-	-	-	-		
<2	<2	<2	<2	-	-	10	<2	<2	<2	7	2,000	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
<0.1	<0.1	0.3	<0.1	-	-	<0.1	<0.1	<0.1	0.4	<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	<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		
18,000	30,000	16,000	10,000	-	-	11,000	1,000	1,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000		
15.8	10	0.5	47.7	-	-	0.1	107	4.8	24.8	366	67.6	461	131	100	1.6	39.1	660	660	260	636	701	660	27.9	1.4	18.4	<0.1	100	100	403	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
3.2	84.9	5.2	15.8	-	-	1.8	4.0	0.8	0.9	234	77	51.9	21.9	16.1	0.8	1.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2		
<0.5	<0.5	0.8	4.2	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	0.3	0.3	23.3	6.6	1.3	4.4	1.5	1.3	1.2	1.3	17.9	0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	0.9														

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01 - 30 June 2026 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8
Electrical Conductivity	µS/cm	-	20-30
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	90-110
Turbidity	NTU	-	1-20
Laboratory analytes			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	350
Reactive Phosphorus	µg/L	10	5
Phosphorus (Total)	µg/L	10	10
Inorganics			
Cyanide Total	µg/L	4	7
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01
Copper (dissolved)	µg/L	0.5	1.4
Iron (total)	µg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value
Manganese (total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Zinc (dissolved)	µg/L	1	8
Biological			
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
25/06/2026	25/06/2026	10/06/2026	10/06/2026	10/06/2026	10/06/2026	10/06/2026	10/06/2026	10/06/2026	25/06/2026	25/06/2026	25/06/2026
7.76	7.86	6.4	6.15	6.2	6.28	7.38	6.32	6.06	7.9	8.04	8.14
41	39	11	14	13	11	6	8	16	39	39	38
211	215	260	282	277	270	195	264	287	218	211	198
11.36	11.11	7.08	6.76	6.71	6.54	5.93	6.29	6.72	11.24	11.26	11.32
103	95.1	78.2	65.5	77.3	69.5	86.5	87.6	68.7	95.0	96.1	120.4
1.3	1.4	9.9	6.1	6.9	8.2	30.6	6.8	7.9	2.1	1.5	0.6
<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
14	12	2	5	5	2	<1	2	9	12	12	12
<10	40	<10	60	60	40	10	<10	80	<10	10	<10
100	<100	100	400	300	300	200	100	400	<100	<100	<100
40	40	30	70	70	60	50	20	70	50	60	90
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
100	<100	100	500	400	400	200	100	500	<100	<100	<100
10	10	<10	<10	<10	<10	<10	<10	<10	<10	10	10
20	30	30	70	30	30	<10	30	60	20	10	<10
<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
36	59	610	283	310	326	397	444	305	68	23	65
25	20	76	58	51	59	36	54	52	38	29	23
0.2	0.2	<0.2	0.3	0.3	0.2	<0.2	<0.2	0.3	0.2	0.2	<0.2
4,000	3,000	1,000	2,000	2,000	1,000	<1,000	1,000	2,000	3,000	3,000	3,000
0.3	0.4	0.8	0.4	0.5	0.5	0.5	0.6	0.6	0.2	<0.2	0.3
0.2	<0.2	0.2	0.3	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	0.5
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.7	<0.5
32	46	300	474	505	391	276	266	500	49	29	50
18	16	77	225	204	159	42	59	224	21	29	22
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.2	<0.1
1,000	1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	1,000	1,000	1,000	1,000
3.0	3.2	8.0	45.4	48.4	35.1	8.2	6.4	50.0	3.6	0.6	3.9
1.1	0.7	4.7	16.8	15.1	15.8	2.9	3.6	19.1	0.7	0.6	0.6
<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	<1	<1	<1	<1	<1	<1	2	3	<1
2	<2	2	-	-	-	-	-	2	-	-	-
2	2	<1	5	4	3	<1	<1	5	2	2	2
<1	1	27	-	-	-	-	-	9	-	-	-
2	2	4	4	5	5	2	3	4	2	2	2

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 30 June 2026 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8.0
Electrical Conductivity	µS/cm	-	30-350
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	%	-	80-110
Turbidity	NTU	-	0-25
Chemistry analysis			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	13
Upphath Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	250
Reactive Phosphorus	µg/L	10	15
Phosphorus (Total)	µg/L	10	20
Inorganics			
Cyanide Total	µg/L	4	4
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (Total)	µg/L	5	No Water Quality Objective Value
Aluminium (Dissolved)	µg/L	5	27
Arsenic (Dissolved)	µg/L	0.2	5
Calcium (Dissolved)	µg/L	1,000	4,000
Chromium (Total) (Hexavalent)	µg/L	0.2	No Water Quality Objective Value
Chromium (Hexavalent) (Dissolved)	µg/L	0.2	0.01
Copper (Dissolved)	µg/L	0.5	1
Iron (Total)	µg/L	2	No Water Quality Objective Value
Iron (Dissolved)	µg/L	2	300
Lead (Dissolved)	µg/L	0.1	1
Magnesium (Dissolved)	µg/L	1,000	No Water Quality Objective Value
Manganese (Total)	µg/L	0.5	No Water Quality Objective Value
Manganese (Dissolved)	µg/L	0.5	1-200
Nickel (Dissolved)	µg/L	0.5	8
Zinc (Dissolved)	µg/L	1	2-4
Biological			
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

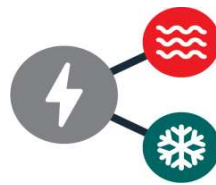
EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL55	EPL67	EPL71	EPL76	EPL84	EPL85	EPL86	EPL88	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122			
20/06/2026	20/06/2026	20/06/2026	20/06/2026	20/06/2026	20/06/2026	20/06/2026	20/06/2026	20/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026	21/06/2026				
8.42	7.5	7.47	7.66	7.83	7.47	7.38	7.7	7.67	7.84	7.48	8.14	8.25	7.25	8.75	7.81	6.64	7.06	6.9	7.45	7.44	6.75	-	8.17	9.05	7.92	6.4	8.05	7.54	8.08	-	11/06/2026	-	-	-	20/06/2026			
36	30	35	34	30	33	32	34	153	87	46	18	11	19	6	5	43	56	780	762	8	115	-	270	249	583	683	424	502	383	-	31	-	-	-	560			
184	234	231	221	215	236	239	214	210	196	194	94	124	185	147	149	231	123	161	225	195	189	-	237	208	202	165	185	194	183	-	131	-	-	-	220			
11.03	10.56	10.17	10.31	10.33	10.15	10.12	10.88	11.98	0.73	1.12	4.01	4.07	8.22	3.26	3.05	10.01	9.52	14.59	12.48	6.14	1.64	-	14.07	12.94	13.16	17.89	7.01	5.58	5.12	-	11.51	-	-	-	12.00			
107.5	73.8	79.1	81.3	73.8	79	85.9	68.6	68.6	76.9	63.6	84.5	86.2	69.7	87.6	86.6	76	71.9	103.8	72.7	88	67.7	-	104.7	99.2	86.3	65.6	67.6	68.7	56.8	-	69.8	-	-	-	75.7			
25.9	7	16.6	16.7	16.5	14.3	14.6	15.5	4	9.5	4.9	32.8	28.3	23.8	31.1	28.7	13.2	17.5	79.3	22.7	53.7	83	-	330	360	44.1	23.3	16.5	36.6	83.3	-	15.9	-	-	-	44.9			
Chemistry analysis																																						
12	5	14	19	12	10	12	11	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	16	8	<5	17	-	65	91	8	<5	8	13	18	-	<5	-	-	-	24			
19	14	22	19	19	19	19	19	41	9	5	9	7	9	<1	<1	11	13	409	317	<1	30	-	81	71	233	136	158	159	117	-	30	-	-	-	213			
Nutrients																																						
30	<10	20	<10	30	<10	10	30	<10	40	20	30	<10	20	30	70	70	<10	<10	<10	40	20	-	30	30	30	<10	300	40	50	-	<10	-	-	-	30			
300	<100	300	200	300	200	300	300	<100	<100	<100	400	200	200	200	300	500	200	10,200	4,000	200	<100	-	500	700	1,000	1,000	700	200	500	-	<100	-	-	-	1,100			
<10	<10	10	<10	10	<10	<10	<10	<10	1,750	10	10	30	<10	480	30	<10	30	10	46,400	11,800	<10	<10	-	1,390	1,780	4,710	31,700	3,690	6,430	6,000	-	<10	-	-	30,800			
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	50	20	<10	<10	-	70	70	30	<10	100	100	40	-	<10	-	-	<10				
300	<100	300	200	300	300	300	300	2,000	<100	<100	400	200	700	200	300	500	200	96,700	51,800	200	200	-	2,000	3,500	5,700	21,300	4,500	6,700	6,500	-	<100	-	-	-	21,700			
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	30	<10	10	-	<10	-	-	-	<10			
30	30	40	50	40	40	40	30	30	20	30	10	<10	<10	<10	<10	30	30	<10	30	<10	80	-	90	80	30	<10	30	40	50	-	30	-	-	-	20			
Inorganics																																						
<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	<4			
Hydrocarbons																																						
<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	<1.0	<1.0	<1.0			
Metals																																						
871	301	761	860	820	767	631	586	343	25	28	394	285	120	240	200	204	341	639	440	387	1,210	-	2,690	3,150	279	90	179	350	579	-	424	-	-	-	1,040			
81	11	73	70	90	77	80	69	16	11	9	32	35	58	36	35	112	42	<5	<5	<5	<5	-	10	15	<5	<5	24	30	58	-	12	-	-	-	<5			
0.2	<0.2	0.2	0.2	0.3	0.2	0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.3	1.0	0.5	<0.2	0.3	-	2.8	5.0	2.1	<0.2	4.4	2.7	3.3	-	0.6	-	-	-	0.3			
6,000	4,000	7,000	6,000	6,000	6,000	6,000	6,000	1,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000	2,000	61,000	51,000	<1,000	7,000	-	14,000	20,000	44,000	40,000	40,000	40,000	37,000	-	4,000	-	-	-	31,000				
1.8	0.5	1.6	1.8	1.9	1.6	1.4	1.3	0.7	0.3	0.2	0.6	0.4	<0.2	0.5	0.4	0.5	0.7	1.8	1.1	0.5	2.0	-	9.8	30.6	2.9	0.4	6.4	9.8	8.8	-	<0.2	-	-	-	2.3			
0.5	<0.2	0.4	0.4	0.4	0.4	0.4	0.4	<0.2	0.2	0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.4	0.5	0.4	<0.2	<0.2	-	4.1	25.9	2.3	0.2	5.8	9.3	7.8	-	<0.2	-	-	-	0.3			
<0.5	<0.5	0.6	0.6	<0.5	<0.5	0.7	0.6	<0.5	<0.5	<0.5	9.2	<0.5	0.6	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	-	1.1	0.5	1.6	<0.5	<0.5	0.7	0.8	-	<0.5	-	-	-	<0.5			
582	245	484	175	587	322	424	430	249	31	31	150	221	252	200	171	439	400	785	314	286	1,300	-	1,000	4,300	207	86	105	272	595	-	135	-	-	-	1,110			
302	21	62	92	108	96	96	89	40	15	17	46	41	109	45	43	228	108	<2	<2	39	29	-	5	4	3	<2	2	<2	<2	-	36	-	-	-	12			
<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	<0.1	<0.1	<0.1			
1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2,000	61,000	51,000	61,000	46,000	-	1,000	5,000	30,000	52,000	11,000	6,000	6,000	-	<1,000	-	-	-	<1,000			
16.5	8.2	11.7	16.9	17.6	16.2	16.7	11.0	8.7	2.2	1.9	9.7	5.2	47.2	8.3	6.1	51.5	8.2	26.5	16.4	8.4	69.1	-	69.5	94.9	11.0	5.4	42.7	29.8	18.6	-	1.3	-	-	-	33.3			
1.8	1.2	1.7	2.1	1.5	1.8	1.7	1.7	3.1	1.7	2.7	1.4	1.0	34.2	2.9	3.0	25.6	3.9	11.8	30.0	2.0	42.7	-	88.4	<0.5	1.4	3.5	20.1	10.0	1.4	-	<0.5	-	-	-	11.2			
<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	-	0.7	<0.5	0.1	2.1	0.7	0.8	0.8	-	<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	<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	<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	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6	1	5	5	6	5	5	5	3	1	1	3	2	4	3	3	5	5	2	1	1	2	-	2	3	1	3	1	1	2	-	2	-	-	-	2			

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-30 June 2026 - Discharge Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives / EPL Discharge Limits*	EPL 41 21/06/2026	EPL 50 10/06/2026
Field					
pH	pH Unit	-	6.5-8.5	7.23	6.77
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	4	58.00
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	286	222.00
Temperature	°C	-	No Water Quality Objective Value	14.01	8.86
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	92.2	76.10
Turbidity	NTU	-	1-20	6.8	5.30
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	20
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	100
Nitrate (as N)	µg/L	10	No Water Quality Objective Value	130	80
Nitrite (as N)	µg/L	10	No Water Quality Objective Value	<10	<10
Nitrogen (Total)	µg/L	100	1500*/3000**	100	200
Reactive Phosphorus	µg/L	10	No Water Quality Objective Value	<10	<10
Phosphorus (Total)	µg/L	10	300*/500**	<10	<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 (total)	µg/L	5	No Water Quality Objective Value	<5	<5
Aluminium (dissolved)	µg/L	5	No Water Quality Objective Value	<5	<5
Arsenic (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	0.4
Chromium (III+VI) (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	<2	<2
Iron (dissolved)	µg/L	2	No Water Quality Objective Value	<2	<2
Lead (dissolved)	µg/L	0.1	No Water Quality Objective Value	<0.1	<0.1
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Manganese (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Zinc (dissolved)	µg/L	1	No Water Quality Objective Value	<1	<1
Biological					
Biological Oxygen Demand	mg/L	2	3.5*/5**	3	2
Chlorophyll a	µg/L	1	No Water Quality Objective Value	<1	<1
Faecal Coliforms	CFU/100mL	1	10*/100**	<1	<1
Organic					
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	<1	2

* EPL Discharge Limits, 90 Percentile Concentration Limit as per EPL 21266

** EPL Discharge Limits, 100 Percentile Concentration Limits as per EPL 21266



Future Generation
Webuild • Clough • Lane

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 30 June 2026 - Discharge Volumes

	EPL 43	EPL 50
Date	Discharge volume (Megalitres)	
1/06/2026	0.60	0.41
2/06/2026	-	-
3/06/2026	0.47	0.49
4/06/2026	-	0.45
5/06/2026	0.50	0.35
6/06/2026	-	0.37
7/06/2026	0.30	0.50
8/06/2026	0.30	0.45
9/06/2026	0.38	0.38
10/06/2026	0.49	0.10
11/06/2026	0.67	0.19
12/06/2026	-	0.25
13/06/2026	0.45	0.34
14/06/2026	0.55	0.27
15/06/2026	-	0.12
16/06/2026	0.44	0.41
17/06/2026	0.49	0.14
18/06/2026	-	0.55
19/06/2026	0.44	0.43
20/06/2026	-	0.75
21/06/2026	0.47	0.48
22/06/2026	-	0.55
23/06/2026	0.23	0.40
24/06/2026	0.31	0.31
25/06/2026	-	-
26/06/2026	0.24	0.53
27/06/2026	-	0.13
28/06/2026	-	-
29/06/2026	-	0.54
30/06/2026	0.59	0.38

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring June 2026

Table 1 - Surface Water Quality Data
River and Minor Watercourses

Table 1 - Surface Water Quality Data River and Minor Watercourses			Water Quality Objectives									
			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
20 June 2026, 11:04 AM	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	11.03	107.5	11.85	36	24	8.42	184	25.9	High flow and level. Water turbid. Recent rain event.	This is an upgradient location and not impacted by project works
20 June 2026, 11:47 AM	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	10.56	73.8	8.22	30	20	7.5	234	7	High flow and level. Recent rain event. Water turbid.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 12:33 PM	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	10.17	79.1	8.89	35	23	7.47	231	16.6	High level and flow. Recent rain event. Water turbid.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 12:58 PM	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	10.31	81.3	9.11	34	22	7.66	221	16.7	High level and flow. Recent rain event. Water turbid.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 11:21 AM	EPL12	Yarrangobilly River, immediately downstream of portal pad	10.63	73.8	8.22	30	20	7.83	215	16.5	High flow and level. Recent rain event. Water turbid.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 12:04 PM	EPL14	Yarrangobilly River, downstream of road construction areas	10.15	79	8.89	33	21	7.47	236	14.3	High flow and level. Recent rain event. Water turbid.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 12:18 PM	EPL15	Yarrangobilly River, downstream of road construction areas	10.12	85.9	9.66	32	20	7.38	239	14.6	High level and flow. Revent rain event. Water turbid.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 2:12 PM	EPL16	Yarrangobilly River, downstream of road construction areas	10.88	68.6	7.59	34	22	7.7	214	15.5	Recent rain event. High level and flow. Water turbid. QA's taken here.	Low %DO levels remain consistent with historical water quality values recorded at the Yarrangobilly River.
20 June 2026, 1:52 PM	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	11.98	68.6	7.39	153	100	7.67	210	4	High flow and level. Recent rain event.	These results are consistent with previous sampling rounds.
27 June 2026, 7:24 AM	EPL26	Eucumbene River downstream of Marica Road	0.72	76.9	11.02	87	56	7.84	196	9.5	Frosty morning. Clear skies. Water running clear. Medium flow and level. Signs of hard hooved animal activity around sample point. QA taken here.	These results remain consistent with the baseline data.
27 June 2026, 7:41 AM	EPL27	Eucumbene River upstream of Marica Road	1.12	63.6	9.01	46	30	7.48	194	4.9	Frosty morning. Clear skies. Water running clear. Water level and flow medium. Signs of hard hooved animal activity around sample point.	pH levels decreased this period but met the WQO. In addition, %DO levels rose significantly in comparison with the last period; this increase, along with the lower pH, aligns with the higher streamflow and turbulence generated by recent rainfall.
7 June 2026, 8:39 AM	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	4.01	84.5	11.08	18	12	8.14	94	32.8	Overcast morning. Water level high. Fast flow.	Water quality parameters at this location are consistent with upgradient conditions and remain stable
7 June 2026, 9:38 AM	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	4.07	86.2	11.28	11	7	8.25	124	28.3	Overcast morning. Signs of hard hooved animal activity at sample location. Water level high. Fast flow.	This is an upgradient location and not impacted by project works.
7 June 2026, 1:13 PM	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	8.22	69.7	8.21	19	12	7.25	185	23.8	Clear day. Reservoir not discharging at time of sampling. Water low with minimal flow.	Parameters at this location remain steady, aligning with concentrations from the last three sampling events and remaining consistent with upgradient conditions in the Tantangara Reservoir.
7 June 2026, 7:25 AM	EPL34	Nungar Creek, upstream of Tantangara Road	3.26	87.6	11.72	6	4	8.75	147	31.1	Clear day. Frost on ground. Water level high. Fast flow.	This is an upgradient location and not impacted by project works
7 June 2026, 7:35 AM	EPL35	Nungar Creek, downstream of Tantangara Road	3.05	86.6	11.64	5	3	7.91	149	28.7	Clear day. Frost on ground. Water level high. Fast flow.	EC levels decreased significantly this period while turbidity (NTU) levels increased. These changes can be attributed to the 64.2 mm rainfall event, which increased water flow and velocity.
27 June 2026, 1:48 PM	EPL 36	Camerons Creek, upstream of works in Rock Forest	10.01	76	8.58	43	28	6.64	231	13.2	Clear day. Water clear. Very low flow and level.	This is an upgradient location and not impacted by project works
27 June 2026, 2:46 PM	EPL 37	Camerons Creek, downstream of works in Rock Forest	9.52	71.9	8.2	56	36	7.06	123	17.5	Cleqr day. Water clear with low flow and level. Signs of animal activity near sample point.	This location aligns with upgradient conditions and remains consistent with baseline data.
3 June 2026, 7:48 AM	EPL52	GF01 leachate basin	14.59	103.8	10.54	780	500	6.9	161	79.3	Overcast wet day. >25mm rain over the last 24hrs. Basin near topping.	Parameters are representative of leachate storage infrastructure
20 June 2026, 1:39 PM	EPL55	GF01 surface water downstream	12.48	72.7	7.73	762	488	7.45	225	22.7	Recent rain event. Water high flow and level. GF01 topping at time of sampling. Algal growth around sample point.	A slight decrease in EC was observed compared to the previous reporting period, which can be attributed to increased streamflow following 18 mm of rain at Lobs Hole.
7 June 2026, 11:21 AM	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	6.14	88	10.91	8	5	7.44	195	53.7	Water level and flow is high. Slight turbidity in rapids.	Due to low water levels in the Tantangara Reservoir, this location was not sampled for an extended period. However, current data reflects background baseline conditions.
27 June 2026, 8:33 AM	EPL71	Surface water downstream of Marica emplacement	3.64	67.7	8.96	115	75	6.75	189	83	Frosty morning. Clear sky. Water level low. Slightly turbid. Vegetative matter in stream.	pH levels remain consistent with previous sampling rounds. A slight decrease in EC was recorded this period, which can be attributed to increased streamflow following recent precipitation.
-	EPL76	Rock Forest Leachate basin	-	-	-	-	-	-	-	-	Water level is very low and unable to reach the water.	-
22 June 2026, 11:50 AM	EPL84	F8 Basin	14.07	104.7	10.76	270	175	8.17	237	330	Recent rainfall, turbid, no odour or sheen	Parameters are representative of leachate storage infrastructure
22 June 2026, 12:00 PM	EPL85	MY07 Basin	12.94	99.2	10.46	249	162	9.05	208	360	Recent rainfall, highly turbid, no odour or sheen	Parameters are representative of leachate storage infrastructure

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring June 2026												
22 June 2026, 12:20 PM	EPL86	LHG01 Basin	13.16	86.3	9.05	583	373	7.92	202	44.1	Turbid, no odour or sheen, QA_LOBS_01	Parameters are representative of leachate storage infrastructure
3 June 2026, 7:44 AM	EPL98	Rock blanket diversion monitoring under GFO1 liner	17.89	65.6	6.21	683	437	6.4	165	23.3	Overcast wet day. <25mm rain last 24hrs. Water flowing from all pipes.	Results align with historical ranges at this location.
27 June 2026, 10:17 AM	EPL99	Marica Leachete Basin- Turkey's Nest	7.01	67.6	8.2	424	275	8.05	185	16.5	Clear day. Water green colour. Water inflow at time of sampling. No sheen.	Parameters are representative of leachate storage infrastructure
27 June 2026, 9:45 AM	EPL100	Marica Lower Leachate Basin USS Shaft	5.58	68.7	8.63	502	321	7.64	194	36.6	Clear day. Water green colour in basin. Water inflows at tome of sampling.	Parameters are representative of leachate storage infrastructure
27 June 2026, 10:02 AM	EPL101	Marica Leachate Basin Spoil Pad	5.12	56.8	7.22	383	249	8.08	183	83.3	Clear day. Water green colour. No sheen.	Parameters are representative of leachate storage infrastructure
20 June 2026, 12:36 PM	EPL106	Ravine Bay Leachate basin 1	-	-	-	-	-	-	-	-	Unable to sample as there is no safe acces	-
13 June 2026, 11:42 AM	EPL110	Upstream monitoring of Ravine Bay emplacement area	11.51	69.8	7.6	31	20	7.96	131	15.9	Cloudy day, no rain, no odour, medium flow, clear water.	This location is upstream of the project works, it represents a background reference point and is not impacted by construction.
20 June 2026, 2:04 PM	EPL118	Ravine Bay Leachate basin 2	-	-	-	-	-	-	-	-	Unsafe to sample due to slippery surface	Basin not sampled due to access issues
20 June 2026, 2:05 PM	EPL119	Ravine Bay Leachate basin 3	-	-	-	-	-	-	-	-	Unsafe to sample due to slippery surface	Basin not sampled due to access issues
20 June 2026, 2:06 PM	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	Unable to sample due to gates and low level	Basin not sampled due to access issues
20 June 2026, 1:16 PM	EPL122	GFO1 Drainage Line (Formerly EPL 55b)	12.02	75.7	8.14	560	359	7.65	220	44.9	High flow and level. Recent rain event. GFO1 topping at time of sample collection.	An increase in NTU concentrations and a decrease in pH were observed during this period. These fluctuations can be attributed to runoff from an 18.4 mm rainfall event prior to sampling.

Table 2 - Reservoir Water Quality Data
Talbingo and Tantangara Reservoirs

Water Quality Objectives												
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
25 June 2026, 10:55 AM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	11.36	103	11.26	41	26	7.76	211	1.3	Sunny day, clear, no odour or sheen	EC levels at Talbingo Reservoir remain steady, aligning with baseline data and matching trends observed at the Yarrangobilly River.
25 June 2026, 9:43 AM	EPL11	Talbingo Reservoir, downstream of outlet	11.11	95.1	10.46	39	26	7.86	215	1.4	Sunny day, clear, no odour or sheen	EC levels at Talbingo Reservoir remain steady, aligning with baseline data and matching trends observed at the Yarrangobilly River.
10 June 2026, 9:57 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	7.08	78.2	9.48	11	7	6.4	260	9.9	Overcast day. Light rain. Windy. Turbid water.	This location is upstream and not affected by project activities
10 June 2026, 10:36 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	6.76	65.5	8	14	9	6.15	282	6.1	Overcast day. Light rain. Water turbid. Windy.	Low pH, EC, and %DO remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
10 June 2026, 10:26 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	6.71	77.3	9.45	13	8	6.2	277	6.9	Overcast day. Light rain. Windy. Turbid water.	Low pH, EC, and %DO remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
10 June 2026, 10:13 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	6.54	69.5	8.54	11	7	6.28	270	8.2	Overcast day. Light rain. Windy. Turbid water.	Low pH, EC, and %DO remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
7 June 2026, 11:24 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	5.93	86.5	10.79	6	4	7.38	195	30.6	Clear day. Water levels and flow high. Plant growth near sample point. Light visual turbidity in water flow.	Low pH, EC, and %DO remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
10 June 2026, 10:00 AM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	6.29	87.6	10.82	8	5	6.32	264	6.8	Overcast day. Light rain. Water turbid. Windy.	Low pH, EC, and %DO remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
10 June 2026, 10:43 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	6.72	68.7	8.39	16	10	6.06	287	7.9	Overcast day. Light rain. Windy. Turbid water.	Low pH, EC, and %DO remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
25 June 2026, 9:14 AM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	11.24	95.0	10.42	39	26	7.9	218	2.1	Sunny day, clear, no odour or sheen	This is an upgradient location and not influenced by construction works
25 June 2026, 9:02 AM	EPL108	Monitoring of Ravine Bay emplacement area (center of PSE) within Yarrangobilly River	11.26	96.1	10.53	39	25	8.04	211	1.5	Sunny day, clear, no odour or sheen	A slight increase in pH was recorded this period, with EC remaining consistent with upgradient conditions. All monitored parameters are within expected ranges based on historical datasets.
25 June 2026, 8:56 AM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	11.32	120.4	13.18	38	24	8.14	198	0.6	Sunny day, clear no odour or sheen	A slight increase in pH was recorded this period, with EC remaining consistent with upgradient conditions. All monitored parameters are within expected ranges based on historical datasets.

Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives												
Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	700	-	6.5 - 8.5	-	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
21 June 2026, 9:23 AM	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	14.01	92.2	9.5	4	<5	7.23	286	6.8	TDS and EC showing 0 with both horiba 4 and 6 Water sample visibly clear No odour QA lobs 3 and 4 sampled	All parameters are within the WQO's

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives												
Temp (°C)	DO	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	168	-	6.5 - 8.5	-	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
10 June 2026, 8:35 AM	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	8.86	76.1	8.82	58	38	6.77	222	5.3	Overcast day. Recent rain. Water clear. QA's taken here. Plant running at time of collection.	All parameters are within the WQO's

EPL 21266 In Situ Water Quality Measurements

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

EPL Monthly In-Situ Monitoring June 2026

Table 5 - Groundwater Quality Data Lobs Hole, Tantangara, Marica and Rock Forest			Water Quality Objectives									
			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
1 June 2026, 9:52 AM	EPL56	GF01 groundwater upstream east	13.29	16.9	1.77	185	120	7.18	15	15.8	Overcast day. Light rain last 24hrs.	This is an upgradient location and not impacted by project works
1 June 2026, 10:07 AM	EPL57	GF01 groundwater upstream west	13.26	23.3	2.44	211	137	7.62	71	31.6	Overcast day. Light rain last 24hrs.	This is an upgradient location and not impacted by project works
1 June 2026, 10:32 AM	EPL58	GF01 groundwater downstream	14.82	23.9	2.42	777	497	6.19	148	5.6	Overcast day. Light rain last 24hrs.	Elevated EC, low %DO, and pH levels all fall within previously recorded ranges.
27 June 2026, 9:24 AM	EPL64	Marica groundwater downgradient of the TSE	8.11	24.9	2.94	453	295	6.98	214	44.1	Frosty morning. Clear sky. Water clear no odour or sheen	Elevated EC and low %DO levels at this location remain consistent with observed data trends.
27 June 2026, 8:30 AM	EPL65	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	Sample not taken. Bore dry.	Location not sampled due to availability of water
27 June 2026, 9:06 AM	EPL66	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	Sample not taken. Bore dry.	Location not sampled due to availability of water
7 June 2026, 11:51 AM	EPL68	Tantangara groundwater downstream West	11.77	62.3	6.75	15	9	6.57	207	22.1	Clear day. Early frost and fog. QA's taken here.	All parameter levels at this location remain consistent with observed data trends.
7 June 2026, 12:04 PM	EPL69	Tantangara groundwater downstream East	12.27	51.1	5.48	21	14	6.64	198	268	Clear day. Water orange yellow at base of sleeve.	All parameter levels at this location remain consistent with observed data trends.
7 June 2026, 10:06 AM	EPL70	Tantangara groundwater upstream	9.93	47.4	5.36	62	40	7.01	188	159	Clear morning. Frost on ground. Orange sediment at base of sleeve.	This location is upgradient to construction works and not affected by the project.
27 June 2026, 8:03 AM	EPL 72	Marica groundwater upstream	6.45	47.2	5.81	69	45	6.29	228	112	Frosty morning. Clear skies. Light yellowy colour in base of sleeve.	This location is upgradient to construction works and not affected by the project.
22 June 2026, 2:20 PM	EPL80	Lick Hole Gully groundwater upstream	14.74	31.4	3.17	651	417	6.69	143	199	Stratified water column, algae growth, no odour or sheen	This location is upgradient to construction works and not affected by the project.
22 June 2026, 12:11 PM	EPL81	Lick Hole Gully groundwater downstream	13.13	54.3	5.69	505	323	7.53	247	397	Slightly turbid, mouldy odour, no sheen	This location remains consistent with the upgradient conditions observed for this period.
22 June 2026, 2:37 PM	EPL82	Main Yard groundwater upstream	16.03	94.2	94.2	2,670	1,710.00	6.75	0	9.22	Clear, sulphuric odour	This location is upgradient to construction works and not affected by the project. Elevated EC is within previously recorded range.
22 June 2026, 1:41 PM	EPL83	Main Yard groundwater downstream	13.58	75.4	7.83	412	268	7.72	233	142	Slightly turbid, no odour or sheen	This location remains consistent with the upgradient conditions observed for this period.
30 June 2026, 9:17 AM	EPL87	Main Yard groundwater downstream	13.56	25.6	2.66	862	552	7	209	309	Water is slightly turbid. No odour or sheen. Rain event starting today. Water extracted using pump.	Low DO% and elevated EC within previously recorded data range.
22 June 2026, 1:29 PM	EPL88	Main Yard groundwater downstream	14.5	49.1	4.99	646	413	7.34	234	11.6	Clear, no odour or sheen	Low DO% and elevated EC within previously recorded data range.
22 June 2026, 1:58 PM	EPL89	Lick Hole Gully groundwater downstream	13.22	68.8	7.2	205	133	6.97	253	9.4	Clear, no odour or sheen	Low DO% falls within historic records.
1 June 2026, 9:07 AM	EPL 90	GF01 groundwater downstream	14.19	36.1	3.71	244	159	5.73	164	4.6	Overcast day. Light rain last 24hrs. QA's taken here.	Low DO% and pH results remain consistent with previous data trends observed at this location.
1 June 2026, 8:38 AM	EPL 91	GF01 groundwater downstream	15.68	50.4	5.01	198	129	6.91	161	25.4	Overcast day. Light rain lasr 24hrs.	Low %DO results remain consistent with prior rounds. The observed increase in NTU concentrations is driven by high rainfall, which increased runoff and sediment loading.
1 June 2026, 9:15 AM	EPL 92	GF01 groundwater downstream	13.34	38.5	4.03	124	80	6.12	157	355	Overcast day. Light rain last 24hrs. Light orange colour.	Low %DO and pH results remain consistent with prior rounds. The observed increase in NTU concentrations is driven by high rainfall, which increased runoff and sediment loading.
1 June 2026, 9:32 AM	EPL 93	GF01 groundwater downstream	13.87	19.7	2.04	184	120	6.44	38	350	Overcast day. Light rain last 24hrs.	Low %DO and pH results remain consistent with prior rounds. The observed increase in NTU concentrations is driven by high rainfall, which increased runoff and sediment loading.
1 June 2026, 9:38 AM	EPL 94	GF01 groundwater downstream	13.9	29.5	3.04	134	87	6.34	-7	99.9	Overcast day. Light rain last 24hrs.	Low %DO and pH results remain consistent with prior rounds. The observed increase in NTU concentrations is driven by high rainfall, which increased runoff and sediment loading.
1 June 2026, 10:25 AM	EPL 95	GF01 groundwater downstream	14.45	19.7	2	597	382	6.17	157	51.6	Overcast day. Light rain last 24hrs	These results are consistent with the data trends observed at this location.
1 June 2026, 10:40 AM	EPL 97	GF01 groundwater downstream	14.9	13.9	1.4	400	260	6.55	134	49.2	Overcast day. Light rain last 24hrs.	Elevated EC and low DO% are consistent with previous sampling rounds. The observed increase in NTU concentrations is driven by high rainfall, which increased runoff and sediment loading.
7 June 2026, 10:25 AM	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	11.26	37.7	4.13	32	21	6.37	220	44.5	Clear day. Early fog and frost.	This location is upgradient to construction works and not affected by the project.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring June 2026												
7 June 2026, 12:26 PM	EPL104	Dowslope groundwater monitoring east of the Tantangara emplacement area	12.47	53.9	5.74	46	30	6.55	208	36.8	Clear day. Signs of animal activity near sample point.	Low DO% and elevated NTU are consistent with upgradient conditions
7 June 2026, 11:02 AM	EPL105	Dowslope groundwater monitoring west of the Tantangara emplacement area	11.23	50.9	5.58	205	133	6	245	21.6	Clear day. Water clear.	Low DO% and pH results are consistent with previous sampling rounds.
13 June 2026, 11:50 AM	EPL113	Upstream east monitoring of Ravine Bay emplacement area	12.38	45.6	4.87	49	32	6.48	202	154	Cloudy day, no rain, no odour, milky colour water, surface runoff near sample point.	This location is upgradient to construction works and not affected by the project.
13 June 2026, 11:12 AM	EPL114	Upstream west monitoring of Ravine Bay emplacement area	13.63	21.4	2.22	258	168	7.09	153	55	Cloudy day, no rain, no odour, clear water.	This location is upgradient to construction works and not affected by the project.
13 June 2026, 12:14 PM	EPL115	Downstream east monitoring of Ravine Bay emplacement area	12.85	23.1	2.44	242	157	7.19	176	64.7	Cloudy day, no rain, no odour, clear water.	Low %DO and elevated NTU remain consistent with upstream background conditions.
13 June 2026, 10:50 AM	EPL116	Downstream west monitoring of Ravine Bay emplacement area	14.81	59	5.97	90	59	6.83	141	552	Cloudy day, no rain, no odour, sediment at the base of hydrasleeve.	Low %DO and elevated NTU remain consistent with upstream background conditions.
13 June 2026, 10:31 AM	EPL117	Downstream monitoring of Ravine Bay emplacement area	15.17	34.9	3.51	101	65	7.61	-28	55.8	Cloudy day, no rain, no odour, clear water.	Low %DO and elevated NTU remain consistent with upstream background conditions.
27 June 2026, 12:52 PM	EPL123	Upgradient west of the Rock Forest PSE	11.44	59.6	6.5	36	23	7.38	221	736	Clear day. Hwavy sedimentationat base of sleeve. Orange colour. No odour.	This location is upgradient to construction works and not affected by the project.
27 June 2026, 1:11 PM	EPL124	Upgradient (NE) of the Rock Forest PSE	12.14	70.1	7.53	25	16	5.11	348	1000	Clear day. Heavy sedimentation at base of sleeve. Orange colour.	This location is upgradient to construction works and not affected by the project.
27 June 2026, 1:34 PM	EPL125	Downgradient (S) of the Rock Forest PSE	12.56	47.5	5.05	103	67	5.96	302	390	Clear day. Signs of animal activity near sample point. Orange sediment at base of sleeve.	These results are consistent with the data trends observed at this location.
27 June 2026, 2:08 PM	EPL126	Downgradient (SE) of the Rock Forest PSE	12.35	88.4	9.44	260	169	6.62	33	1000	Clear day. Water milky. Broken concrete around monument.	These results are consistent with the data trends observed at this location.
27 June 2026, 2:37 PM	EPL127	Downgradient of the Rock Forest PSE.	11.8	42.4	4.59	123	80	6.78	131	146	Clear day. Light yellowy sediment at base of sleeve.	These results are consistent with the data trends observed at this location.



Snowy 2.0 Environmental Protection License Water Quality Results

Monitoring Period	1 - 31 July 2026
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

SUMMARY	
Groundwater Water Quality Results:	All parameters at GF01 locations have shown stability and consistency within the preceding monitoring periods with the exception of EPL97 having a spike in Iron (filtered) ug/L 469. This is a single point in time and will be monitored over the next few sampling rounds. The Main Yard locations have also shown stability however Iron has also spiked at EPL80 (unfiltered) 51600 ug/L as with EPL97 this is a single point in time and will be monitored going forward. Rock Forest has seen increases at EPL126 with Calcium (filtered) from 13000 ug/L to 15000 ug/L and Ammonia 110 ug/L to 230 ug/L. EPL125 has measured an increase in Filtered Copper 4.6 ug/L to 73.1 ug/L. Marica bore sites EPL65 and EPL66 have remained dry and as a result have not been sampled, the remaining locations have remained stable with the exception of EPL72 seeing an elevation in Iron from 431 ug/L to 703 ug/L, and Reactive Phosphorous (filtered) 20 ug/L to 40 ug/L. Tantangara has also seen an increase in Reactive Phosphorous (filtered) across all locations with the exception of EPL104. Aluminium at EPL105 saw an increase from 30 ug/L to 87 ug/L.
Reservoir Water Quality Results:	EPL32 in Tantangara Reservoir has recorded a spike in Dissolved Aluminium up to 150 ug/L from 51 ug/L; Chromium (III + VI) at EPL29 has declined from 0.3 ug/L to 0.2 ug/L; EPL28 and EPL51 have also declined to within the WQOs. Total Nitrogen concentrations have also declined to within WQOs except EPL32, which remains at 400 ug/L. Total Phosphorus at EPL28, EPL29, EPL32, EPL38, EPL40 and EPL51 remain outside WQOs all have declined other than EPL32 which is steady. During this sampling round Talbingo reservoir has shown stability with Total Nitrogen across all locations with EPL10 the only site outside of WQOs at 400 ug/L. Total Phosphorous at EPL10 and EPL109 has seen a spike up to 60 ug/L and 20 ug/L respectively.
Surface Water Quality Results:	The Yarrangobilly River locations have all remained consistent across the monitoring zone. EPL5, EPL12, EPL14, EPL15, EPL8, EPL16 and EPL9 have all seen a decline in Filtered Aluminium to below the WQOs, whilst EPL6 being located along Wallaces Creek, has remained stable. Ammonia as N has also declined to below WQOs, with the exception of EPL8 at 20 ug/L seeing a steady increase. Filtered Copper saw a spike up to 13.9 ug/L, although it has returned to <0.5 ug/L. Tantangara surface waters have seen overall stability with the exception of EPL32 with an increase of Filtered Aluminium going from 51 ug/L to 150 ug/L. Total Phosphorous at EPL30 and EPL31 have also increased from 10 ug/L to 40 ug/L and <10 ug/L up to 70 ug/L, it is worth noting that EPL31 is an upgradient location and not considered reflective of project activities.
Discharge Water Quality Results:	Discharge water quality concentrations were within the EPL 90 percentile limits.
Leachate Water Quality Results:	Leachate storage infrastructure continues to record high concentrations of Total Phosphorus with EPL99 and EPL101 at 40 ug/L and EPL100 at 30 ug/L. Ammonia as N at EPL85 decreased from 30 ug/L to 10 ug/L during this monitoring round. Total Nitrogen at EPL52 and EPL106 have also seen a decrease, from 56700 ug/L to 30800 ug/L and 94100 ug/L to 50600 ug/L, respectively. These results are within expectations for leachate storage infrastructure. No samples were collected in July at the Ravine Bay leachate basins (EPL118, EPL119, EPL120) due to access concerns. EPL76 corresponds to the Pollution Control Basin (PCB) at Rock Forest, which is currently under construction; therefore, sampling has not yet commenced.

Analysis	Unit	Level of Reporting	Water Quality Objective
Physical/chemical			
pH			6.5-8
Acid-neutralizing Capacity	mg/L		50-100
Dissolved Oxygen	% Sat		No Water Quality Objective Value
Temperature	°C		No Water Quality Objective Value
Dissolved Oxygen	% Saturation		85-100
Metals	mg/L		3-26
Organic substances			
TOC	mg/L	5	No Water Quality Objective Value
Organics as GC/MS	mg/L	4	No Water Quality Objective Value
Pesticides			
Atrazine	mg/L	10	10
Endosulfan Sulfate	mg/L	100	100
Alachlor	mg/L	10	10
Metolachlor	mg/L	10	No Water Quality Objective Value
Wetoxin	mg/L	10	No Water Quality Objective Value
Phosphates	mg/L	100	100
Reactive Phosphorus	mg/L	10	10
Phosphorus (Total)	mg/L	10	20
Trace Metals			
Asbestos Fiber	mg/L	4	4
High priority			
Oil and Grease	mg/L	5	No Water Quality Objective Value
Metals			
Ammonia (Total)	mg/L	5	No Water Quality Objective Value
Mercury (Total)	mg/L	2	2
Arsenic (Inorganic)	mg/L	0.4	0.6
Cadmium (Inorganic)	mg/L	1000	No Water Quality Objective Value
Copper (Inorganic)	mg/L	0.4	No Water Quality Objective Value
Chromium (Inorganic)	mg/L	0.2	0.15
Copper (Inorganic)	mg/L	0.4	0.4
Lead (Inorganic)	mg/L	2	2
Zinc (Inorganic)	mg/L	2	100
Lead (Inorganic)	mg/L	0.1	0.1
Mercury (Inorganic)	mg/L	1000	No Water Quality Objective Value
Manganese (Inorganic)	mg/L	0.5	No Water Quality Objective Value
Manganese (Inorganic)	mg/L	0.5	1,200
Nickel (Inorganic)	mg/L	0.5	0.5
Zinc (Inorganic)	mg/L	0.5	0.4
Organics			
Organics as GC/MS	mg/L	5	No Water Quality Objective Value

[illegible]

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01 - 31 July 2026 - Talbingo and Tantangara Reservoir

Analyte	Unit	Limit of Reporting	Water Quality Objectives
Field			
pH	pH Unit	-	6.5-8
Electrical Conductivity	µS/cm	-	20-30
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value
Temperature	°C	-	No Water Quality Objective Value
Dissolved Oxygen	% saturation	-	90-110
Turbidity	NTU	-	1-20
Laboratory analytes			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Nitrogen (Total)	µg/L	100	350
Reactive Phosphorus	µg/L	10	5
Phosphorus (Total)	µg/L	10	10
Inorganics			
Cyanide Total	µg/L	4	7
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	5	55
Arsenic (dissolved)	µg/L	0.2	13
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01
Copper (dissolved)	µg/L	0.5	1.4
Iron (total)	µg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	2	300
Lead (dissolved)	µg/L	0.1	3.4
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value
Manganese (total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	0.5	1,900
Nickel (dissolved)	µg/L	0.5	11
Zinc (dissolved)	µg/L	1	8
Biological			
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
19/07/2026	19/07/2026	8/07/2026	8/07/2026	8/07/2026	8/07/2026	18/07/2026	8/07/2026	8/07/2026	19/07/2026	19/07/2026	19/07/2026
7.92	7.87	8.14	7.18	7.3	7.6	7.73	7.88	7.09	7.4	7.41	7.46
39	35	18	21	21	20	16	16	19	33	33	32
254	260	185	240	236	213	223	196	242	281	279	278
9.29	10.12	5.24	5.84	5.76	5.73	2.46	5.22	5.84	10.12	9.86	9.26
92.1	88.2	85.1	77.9	76.3	81.3	87.2	83.5	81	92.6	93	88.9
0	0	2.2	3.5	3.8	3.7	0.9	2.0	4.0	0	0	0
<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
14	12	<1	2	2	2	<1	<1	2	12	7	7
10	20	<10	40	20	<10	10	<10	20	70	40	20
100	300	<100	200	200	200	<100	<100	200	100	100	100
90	60	10	40	60	40	10	20	40	70	90	50
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
200	400	<100	200	300	200	<100	<100	200	200	200	200
<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
10	20	20	40	30	20	<10	30	20	<10	<10	20
<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
153	159	211	357	369	387	185	208	362	122	95	101
18	14	42	79	68	68	29	42	63	14	13	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
4,000	3,000	<1,000	1,000	1,000	1,000	<1,000	<1,000	1,000	3,000	3,000	3,000
0.4	0.3	15.9	0.5	0.6	0.5	0.3	0.3	0.5	0.2	0.2	0.2
0.3	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
118	120	75,900	324	1,360	255	130	130	266	98	80	85
27	22	37	84	80	72	29	37	75	21	19	18
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,000	1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	1,000	<1,000	<1,000
5.0	4.2	401	13.8	21.0	11.8	4.1	3.9	13.6	4.1	3.5	3.7
2.6	1.5	1.6	0.7	0.8	1.0	1.6	1.4	0.7	1.5	1.0	0.9
<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	<1	<1	<1	<1	<1	<1	<1	<1	<1
4	<2	52	-	-	-	<1	-	15	-	-	-
3	2	<1	1	<1	<1	-	<1	1	<1	<1	<1
1	1	<1	-	-	-	-	-	3	-	-	-
2	3	2	3	4	4	1	3	4	3	2	2

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 31 July 2026 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives
pH	pot Unit	-	6.5-8.0
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	-	80-110
Turbidity	NTU	-	2-25
Chemistry analysis			
Total suspended solids	mg/L	5	No Water Quality Objective Value
Hardness as CaCO ₃	mg/L	1	No Water Quality Objective Value
Nutrients			
Ammonia as N	µg/L	10	13
Nitrate-Nitrogen Total	mg/L	100	No Water Quality Objective Value
Nitrate (as N)	µg/L	10	No Water Quality Objective Value
Nitrite (as N)	µg/L	10	No Water Quality Objective Value
Manganese Total	mg/L	100	250
Reactive Phosphorus	µg/L	10	15
Phosphorus (Total)	µg/L	10	20
Metals			
Cadmium Total	µg/L	4	6
Hydrocarbons			
Oil and Grease	mg/L	1	No Water Quality Objective Value
Metals			
Aluminium (Total)	µg/L	5	No Water Quality Objective Value
Aluminium (dissolved)	µg/L	5	27
Arsenic (dissolved)	µg/L	0.2	5
Calcium (dissolved)	mg/L	1,000	10,000
Chromium (Hexavalent) (Total)	µg/L	0.2	No Water Quality Objective Value
Chromium (Hexavalent) (dissolved)	µg/L	0.2	0.01
Copper (dissolved)	µg/L	0.5	1
Iron (Total)	mg/L	2	No Water Quality Objective Value
Iron (dissolved)	µg/L	2	100
Lead (dissolved)	µg/L	0.1	1
Magnesium (dissolved)	mg/L	1,000	2,000
Manganese (Total)	µg/L	0.5	No Water Quality Objective Value
Manganese (dissolved)	µg/L	0.5	1,200
Nickel (dissolved)	µg/L	0.5	8
Zinc (dissolved)	µg/L	1	2.4
Biological			
Chlorophyll a	µg/L	1	No Water Quality Objective Value
Organic			
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value

EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL32	EPL35	EPL67	EPL71	EPL76	EPL84	EPL85	EPL86	EPL88	EPL89	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026	7/01/2026
7.97	7.3	7.5	7.87	7.48	6.97	7.38	7.97	8.03	7.82	7.87	8.49	8.1	7.51	7.35	7.18	8.41	8.24	6.87	7.56	8.04	8.7	7.9	7.79	8.88	8.37	6.9	8.73	8.31	8.64	6.87	7.16	-	-	-	4807/2026
55	47	73	61	58	74	59	63	90	28	26	50	24	19	11	12	42	46	927	894	16	180	783	357	306	783	921	377	654	801	1170	42	-	-	-	793
181	220	208	200	206	233	213	207	298	212	217	100	209	256	259	231	182	190	355	334	214	133	220	184	292	138	357	161	169	162	61	161	-	-	-	197
7.16	6.97	6.72	11.36	6.15	6.24	6.7	6.36	12.04	4.22	4.37	4.5	4.45	1.64	0.8	0.79	7.7	8.13	15.14	14.74	2.49	4.79	9.2	9.22	10.37	10.12	16.07	5.59	4.36	2.36	11.19	8.97	-	-	-	1199
101.5	86.3	78.0	87.1	104.7	99.8	98.9	79.5	92.7	64.6	63.6	68.5	69.6	60.3	81.9	82.7	103.7	105.2	69.0	72.1	95	74.8	97.7	136.6	95.2	111.9	66.5	68.2	62.1	74.5	67.3	92.7	-	-	-	81.8
6.67	3.4	6.42	1	5.7	6.58	7.1	6.26	4.01	0.8	0.4	2.2	1.5	0	0.0	0.0	0.0	1.1	5.1	4.58	0.0	121	55.3	79	42	25.7	1.1	108.0	117.0	68.2	103.0	1.4	-	-	-	89.5
Chemistry analysis																																			
<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	68	<5	<5	<5	<5	<5	5	<5	<5	<5	43	6	7	18	<5	<5	42	45	38	<5	<5	<5	18	
22	21	33	28	24	36	28	33	31	9	5	7	<1	<1	<1	<1	11	13	304	289	<1	32	289	87	71	172	289	125	154	140	314	7	-	-	246	
<10	<10	20	<10	<10	<10	<10	<10	<10	<10	<10	20	20	30	<10	30	20	40	<10	30	30	80	30	<10	<10	10	70	20	50	30	30	<10	<10	-	-	40
100	100	<200	100	<100	100	<100	<100	<100	<100	<100	200	200	200	200	200	200	200	400	400	400	400	<100	<100	<100	400	1,000	1,000	600	700	600	<10	<10	-	1,000	
10	<10	30	30	30	30	30	30	280	<10	<10	30	<10	100	<10	<10	30	36	36,500	25,300	10	140	2,770	280	1,000	5,190	26,600	2,190	5,600	5,600	46,900	<10	-	-	20,800	
<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	<10		
100	100	<100	100	<100	100	<100	100	<100	100	<100	200	200	<100	400	400	30,000	25,000	200	100	5,200	500	1,500	4,300	20,000	1,000	6,400	4,400	50,000	<100	-	-	-	21,300		
10	20	<10	<10	<10	20	20	20	30	20	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	20	<10	<10	10	20	20	30	30	20	40	70	<10	<10	<10	<10	40	20	50	30	<10	70	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		
Metals																																			
<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	<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	<1.0	<1.0	<1.0	<1.0		
Metals																																			
389	186	365	305	334	285	420	321	128	54	55	324	68	207	118	101	382	497	133	153	144	2,400	499	1,190	1,560	139	18	851	1,830	1,000	274	454	-	-	927	
26	8	18	19	24	16	31	20	17	15	15	30	32	57	39	29	139	153	<5	<5	28	12	5	<5	12	<5	10	9	11	<5	17	-	-	<5		
0.2	<0.2	0.3	0.2	0.2	0.2	0.3	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	0.5	0.3	0.3	<0.2	0.3	0.4	1.0	1.8	2.0	0.2	2.4	2.2	2.5	2.1	0.6	-	-	0.2	
1,000	1,000	10,000	8,000	8,000	11,000	8,000	8,000	4,000	2,000	2,000	1,000	<1,000	<1,000	<1,000	1,000	2,000	51,000	46,000	<1,000	8,000	18,000	19,000	23,000	31,000	52,000	33,000	47,000	41,000	55,000	1,000	-	-	30,000		
0.8	0.3	0.8	0.6	0.8	0.5	0.8	0.7	0.8	0.3	0.2	0.6	0.2	0.3	0.3	0.2	2.0	0.9	1.1	1.0	0.3	1.9	1.1	3.2	19.0	2.1	0.7	13.6	10.0	13.8	5.1	0.3	-	-	2.2	
0.3	<0.2	0.2	0.2	0.3	0.2	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.5	0.7	0.7	<0.2	<0.2	0.7	0.6	13.9	1.6	0.7	13.1	7.8	11.7	4.5	<0.2	-	-	0.5	
<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	0.8	0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	1.8	<0.5	<0.5	0.5	0.8	0.9	<0.5	<0.5			
251	177	119	184	2,001	397	103	211	275	81	44	360	52	121	96	79	814	662	141	118	105	2,850	313	1,120	3,330	171	17	766	2,110	2,210	215	138	-	-	931	
35	14	25	20	30	24	27	27	31	18	17	40	39	36	26	20	417	360	<2	<2	27	13	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	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	<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		
1,000	2,000	2,000	1,000	2,000	2,000	2,000	2,000	1,000	<1,000	1,000	<1,000	<1,000	<1,000	<1,000	2,000	2,000	41,000	<1,000	<1,000	3,000	31,000	1,000	<1,000	<1,000	<1,000	8,000	8,000	41,000	<1,000	-	-	-	35,000		
4.4	3.3	6.1	4.5	12.4	6.0	7.6	6.7	4.7	2.8	1.6	7.9	2.2	11.7	4.5	3.6	25.5	10.3	18.3	14.9	3.1	95.8	4.6	120	30.7	9.3	105.1	41.0	50.1	40.3	605.1	1.3	-	-	35.0	
1.1	0.9	1.2	2.2	1.0	2.4	1.2	2.0	<0.5	2.1	0.8	2.1	1.2	8.5	2.7	2.7	18.6	7.6	14.7	11.4	1.6	54.9	2.1	79.2	&											

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-31 July 2026 - Discharge Water

Analyte	Unit	Limit of Reporting	Water Quality Objectives / EPL Discharge Limits*	EPL 41 5/07/2026	EPL 50 12/07/2026
Field					
pH	pH Unit	-	6.5-8.5	7.43	7.96
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	12	39
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	138	218
Temperature	°C	-	No Water Quality Objective Value	13.05	7.62
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	75.0	72.5
Turbidity	NTU	-	1-20	0.55	11.2
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
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	200
Nitrate (as N)	µg/L	10	No Water Quality Objective Value	100	70
Nitrite (as N)	µg/L	10	No Water Quality Objective Value	<10	<10
Nitrogen (Total)	µg/L	100	1500*/3000**	100	300
Reactive Phosphorus	µg/L	10	No Water Quality Objective Value	<10	<10
Phosphorus (Total)	µg/L	10	300*/500**	<10	20
Inorganics					
Cyanide Total	µg/L	4	No Water Quality Objective Value	<4	<4
Hydrocarbons					
Oil and Grease	mg/L	1	2*/5**	<1.0	<1.0
Metals					
Aluminium (total)	µg/L	5	No Water Quality Objective Value	<5	<5
Aluminium (dissolved)	µg/L	5	No Water Quality Objective Value	<5	<5
Arsenic (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Chromium (III+VI) (dissolved)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	<2	<2
Iron (dissolved)	µg/L	2	No Water Quality Objective Value	<2	<2
Lead (dissolved)	µg/L	0.1	No Water Quality Objective Value	<0.1	<0.1
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	<1,000	<1,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Manganese (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	No Water Quality Objective Value	<0.5	<0.5
Zinc (dissolved)	µg/L	1	No Water Quality Objective Value	<1	<1
Biological					
Biological Oxygen Demand	mg/L	2	3.5*/5**	<2	<2
Chlorophyll a	µg/L	1	No Water Quality Objective Value	<1	<1
Faecal Coliforms	CFU/100mL	1	10*/100**	<1	<1
Organic					
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	<1	<1

* EPL Discharge Limits, 90 Percentile Concentration Limit as per EPL 21266

** EPL Discharge Limits, 100 Percentile Concentration Limits as per EPL 21266



Future Generation
Webuild • Clough • Lane

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01 - 31 July 2026 - Discharge Volumes

	EPL 43	EPL 50
Date	Discharge volume (Megalitres)	
1/07/2026	-	0.9131
2/07/2026	0.488	-
3/07/2026	0.564	0.46653
4/07/2026	0.62788	0.60901
5/07/2026	-	0.43334
6/07/2026	0.427	0.41551
7/07/2026	0.53721	0.71864
8/07/2026	0.30069	0.59063
9/07/2026	0.35745	0.8067
10/07/2026	-	1.04197
11/07/2026	-	0.91723
12/07/2026	0.673	0.72931
13/07/2026	-	0.71611
14/07/2026	0.54943	0.91448
15/07/2026	0.37003	1.0229
16/07/2026	0.40605	0.94711
17/07/2026	-	1.35067
18/07/2026	0.679	0.56376
19/07/2026	0.329	0.684.45
20/07/2026	-	-
21/07/2026	-	0.13907
22/07/2026	0.747	0.66633
23/07/2026	-	0.97591
24/07/2026	0.39758	1.21329
25/07/2026	0.57923	1.02997
26/07/2026	0.391	1.41175
27/07/2026	-	1.1602
28/07/2026	0.42336	1.17396
29/07/2026	0.584	1.33475
30/07/2026	-	1.14929
31/07/2026	0.6168	0.83668



EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring July 2026

Table 1 - Surface Water Quality Data
River and Minor Watercourses

Water Quality Objectives												
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
7 July 2026, 9:00 AM	EPL5	Yarrangobilly River, upstream of the exploratory tunnel and construction pad	7.16	101.5	12.27	55	36	7.97	181	6.67	Frozy day, fast flow and turbulent, hihg flow, a bit turbid, no odor, runoff observed	This is an upgradient location and not impacted by project works
7 July 2026, 9:33 AM	EPL6	Wallaces Creek, upstream of Yarrangobilly River and Wallaces Creek confluence	6.97	86.3	10.48	47	31	7.3	220	3.4	Clear day, no rain, no odour, high water level, fast flow.	Low DO% remains consistent with historical water quality values recorded at this location.
7 July 2026, 10:38 AM	EPL8	Yarrangobilly River, downstream of Lick Hole Gully	6.72	78.0	9.53	73	47	7.5	208	6.42	Sunny day, turbulent and high flow, no odor, clear water	Low DO% remains consistent with historical water quality values recorded at this location.
7 July 2026, 2:38 PM	EPL9	Yarrangobilly River, downstream of the accommodation camp and upstream of Talbingo Reservoir	11.36	87.1	9.52	61	40	7.87	200	1	Sunny arvo, high and fast flow, turbulent, a bit turbid, no odor	Low DO% and Turbidity remain consistent with historical water quality values recorded at the Yarrangobilly River.
7 July 2026, 9:16 AM	EPL12	Yarrangobilly River, immediately downstream of portal pad	6.15	104.7	12.98	58	38	7.48	206	5.7	Clear day, no rain, high water level, fast flow, no odour, clear water. Turbidity measured with Hach meter.	All parameters fall within the WQO's.
7 July 2026, 9:55 AM	EPL14	Yarrangobilly River, downstream of road construction areas	6.24	99.8	12.34	74	48	6.97	233	6.58	Sunny, fast flow, high flow, clear water, no odor	All parameters fall within the WQO's.
7 July 2026, 10:21 AM	EPL15	Yarrangobilly River, downstream of road construction areas	6.2	98.9	12.25	59	38	7.38	213	7.1	Sunny, clear water, fast and high flow, no odor	All parameters fall within the WQO's.
7 July 2026, 10:51 AM	EPL16	Yarrangobilly River, downstream of road construction areas	6.96	79.5	9.66	63	41	7.57	207	6.26	Sunny, high and fast flow, turbulent, clear water, no odor	Low DO% remains consistent with historical water quality values recorded at this location.
4 July 2026, 2:04 PM	EPL24	Yarrangobilly River tributary (Watercourse 2), directly downstream of road	12.04	92.7	9.98	90	58	8.03	298	4.01	Sunny day, no rain, no odour, high water level, medium flow, clear water. Turbidity measured with Hach meter.	All parameters fall within the WQO's with the exception of slightly elevated pH.
15 July 2026, 9:19 AM	EPL26	Eucumbene River downstream of Marica Road	4.22	64.6	8.42	28	18	7.82	212	0.8	Frosty morning. Water level and flow high. Water clear. Signs of hard hooved animal activity near sample point. Turbidity 0 at sampling lab to retest.	These results are consistent with the upstream location.
15 July 2026, 9:27 AM	EPL27	Eucumbene River upstream of Marica Road	4.37	63.6	8.26	26	17	7.67	217	0.4	Frosty morning. Recent rain and snow event. Signs of hard hooved animal activity near sample point. QA's taken here. Water level and flow high. Turbidity 0 at sample point lab to retest.	This is an upgradient location and not impacted by project works.
12 July 2026, 8:36 AM	EPL30	Kellys Plain Creek, downstream of accommodation camp and laydown areas	4.5	68.5	8.86	50	33	8.49	-100	2.2	Overnight snow event. Water level and flow high. Snow on ground at sample point.	Water quality parameters at this location are consistent with upgradient conditions and remain stable
12 July 2026, 8:50 AM	EPL31	Kellys Plain Creek, upstream of accommodation camp and laydown areas	4.45	69.6	9.02	24	16	8.1	209	1.5	Overnight snow event. Snow on ground. Water level and flow high.	This is an upgradient location and not impacted by project works.
18 July 2026, 8:31 AM	EPL33	Murrumbidgee River, downstream of Tantangara reservoir outlet	3.64	60.3	7.98	19	12	7.51	256	2	Clear day. Frost on ground. Water level and flow low. No discharge at time of sample collection. Turbity 0 at sample point lab to retest.	Parameters are similar to the upgradient reservoir locations.Turbidity was established through lab testing.
18 July 2026, 9:05 AM	EPL34	Nungar Creek, upstream of Tantangara Road	0.8	81.9	11.71	11	7	7.35	259	1.3	Clear day. Frosty morning. Recent rain and snow event. Water level and flow high. Turbidity 0 at sample point lab to retest.	This is an upgradient location and not impacted by project works
18 July 2026, 9:13 AM	EPL35	Nungar Creek, downstream of Tantangara Road	0.79	82.7	11.83	12	8	7.18	231	1.0	Clear day. Frost on ground. Recent rain and snow event. Water level and flow high. Turbidity 0 at time of sample lab to retest.	All parameters align with the upstream location.
15 July 2026, 12:36 PM	EPL 36	Camerons Creek, upstream of works in Rock Forest	7.7	103.7	12.37	42	27	8.41	182	0.0	Clear day. Water level high. Flow slow. Signs of hard hooved animal activity at sample point. Turbidity 0 at sample point lab to retest.	This is an upgradient location and not impacted by project works
15 July 2026, 1:00 PM	EPL 37	Camerons Creek, downstream of works in Rock Forest	8.33	105.2	12.37	46	30	8.24	190	1.1	Clear day, moderate flow, clear, no odour or sheen, evidence of hooved animal activity	This location aligns with upgradient conditions and remains consistent with baseline data.
4 July 2026, 2:27 PM	EPL52	GF01 leachate basin	15.54	69.0	6.86	927	594	6.87	355	5.1	Sunny day, no rain, no odour, green water, basin overtopping. Turbidity measured with Hach meter.	Parameters are representative of leachate storage infrastructure
4 July 2026, 2:13 PM	EPL55	GF01 surface water downstream	14.74	72.1	7.29	894	572	7.56	334	4.58	Sunny day, no rain, no odour, fast flow, GF01 basin overtopping. Turbidity measured with Hach meter.	An increase in EC was observed compared to the previous reporting period, which can be attributed toGF01 basin topping during the reporting period.
18 July 2026, 7:18 AM	EPL67	Nungar Creek surface water downstream west from Tantangara emplacement area	2.49	95.0	12.96	16	10	8.04	214	1.8	Clear day. Frost on ground. Water level and flow high. Recent rain and snow event. Turbidity 0 at sample point lab to retest.	Due to low water levels in the Tantangara Reservoir, this location was not sampled for an extended period. However, current data reflects background baseline conditions.
15 July 2026, 6:57 AM	EPL71	Surface water downstream of Marica emplacement	4.79	74.8	9.6	180	117	8.7	133	121	Frosty morning. Recent rain and snow event. Water flowing.	Low water levels and flow could contribute to sediments being disturbed during sample collection affecting turbidity. Low DO% has been observed at this location previously.
15 July 2026, 12:06 PM	EPL76	Rock Forest Leachate basin	9.2	97.7	11.21	783	501	7.9	220	55.3	Clear day. Recent rain and snow event. Water flowing into basin.	Parameters are representative of leachate storage infrastructure
28 July 2026, 11:56 AM	EPL84	F8 Basin	9.02	136.6	15.7	357	232	7.79	184	79	Fairly turbid water, odourless, cloudy weather	Parameters are representative of leachate storage infrastructure
28 July 2026, 11:56 AM	EPL85	MY07 Basin	10.37	95.2	10.64	306	199	8.98	292	42	Clear water, no smell, no sheen, overcast weather .	Parameters are representative of leachate storage infrastructure

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring July 2026												
28 July 2026, 1:20 PM	EPL86	LHG01 Basin	10.52	111.9	12.44	783	501	8.37	138	25.7	Water is fairly clear, odourless, cloudy weather	Parameters are representative of leachate storage infrastructure
4 July 2026, 2:23 PM	EPL98	Rock blanket diversion monitoring under GFO1 liner	16.07	66.5	6.54	921	589	6.9	357	1.05	Sunny day, no odour, no rain, clear water. Turbidity measured with Hach meter.	Results align with historical ranges at this location.
15 July 2026, 8:17 AM	EPL99	Marica Leachete Basin- Turkey's Nest	5.59	68.2	8.56	377	245	8.73	161	108	Recent rain and snow event. Water level high.	Parameters are representative of leachate storage infrastructure
15 July 2026, 7:52 AM	EPL100	Marica Lower Leachate Basin USS Shaft	4.36	62.1	8.04	654	418	8.31	169	117	Water level high. Recent rain and snow event. Light sheen around rubber intake hose.	Parameters are representative of leachate storage infrastructure
15 July 2026, 7:59 AM	EPL101	Marica Leachate Basin Spoil Pad	2.96	74.5	10.01	801	513	8.64	162	68.2	Water level low. Recent rain and snow event. Icy layer on surface. Sheen on surface. Organic matter on surface.	Parameters are representative of leachate storage infrastructure
11 July 2026, 9:50 AM	EPL106	Ravine Bay Leachate basin 1	11.03	67.3	7.39	1,170	751	6.87	61	103	QA_LOB_1 taken at this location. Basin currently overtopping. Clear water, no sheen, no odour. Heavy inflows from L1 and subliner.	Parameters are representative of leachate storage infrastructure
11 July 2026, 11:24 AM	EPL110	Upstream monitoring of Ravine Bay emplacement area	8.97	92.7	10.73	42	27	7.16	161	1.4	Heavy flow. Clear water, no odour or sheen. Rain event ended a few days ago and another expected tonight.	This location is upstream of project works and is not impacted by construction.
11 July 2026, 11:50 AM	EPL118	Ravine Bay Leachate basin 2	-	-	-	-	-	-	-	-	No scaffolding set up. No safe access.	Basin not sampled due to access issues
11 July 2026, 11:51 AM	EPL119	Ravine Bay Leachate basin 3	-	-	-	-	-	-	-	-	No scaffolding set up. No safe access.	Basin not sampled due to access issues
11 July 2026, 11:52 AM	EPL120	Ravine Bay Leachate basin 4	-	-	-	-	-	-	-	-	No scaffolding set up. No safe access.	Basin not sampled due to access issues
4 July 2026, 1:53 PM	EPL122	GFO1 Drainage Line (Formerly EPL 55b)	13.95	81.8	8.42	755	483	7.6	337	19.5	Sunny day, no rain, no odour, high level water, medium flow.	An increase in EC was observed compared to the previous reporting period, which can be attributed to GFO1 basin topping during the reporting period.

Table 2 - Reservoir Water Quality Data
Talbingo and Tantangara Reservoirs

Water Quality Objectives												
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 July 2026, 11:24 AM	EPL10	Talbingo Reservoir, downstream of road works and upstream of water intake point	9.29	92.1	10.57	39	25	7.92	254	3	Clear day. Reservoir level low. Floating organic debris on surface. Turbidity 0 at sample collection lab to retest.	EC levels at Talbingo Reservoir remain steady, aligning with baseline data and matching trends observed at the Yarrangobilly River.
19 July 2026, 11:44 AM	EPL11	Talbingo Reservoir, downstream of outlet	10.12	88.2	9.92	35	23	7.87	260	3.1	Clear day. Reservoir level low. Turbidity 0 at sample point lab to retest.	EC levels at Talbingo Reservoir remain steady, aligning with baseline data and matching trends observed at the Yarrangobilly River.
8 July 2026, 8:17 AM	EPL28	Tantangara Reservoir, upstream of works in the mouth of the Murrumbidgee River	5.24	85.1	10.8	18	12	8.14	185	2.2	Frozy day, no sheen, no odor, clear water	This location is upstream and not affected by project activities
8 July 2026, 9:19 AM	EPL29	Tantangara Reservoir, downstream of works area and upstream of lower Murrumbidgee River	5.84	77.9	9.74	21	13	7.18	240	3.5	Frozy day, foam in the surface, organic matter visible, no odor	Low DO% remains consistent with upgradient conditions, all parameters align with baseline data observed at Tantangara Reservoir.
8 July 2026, 9:09 AM	EPL32	Tantangara Reservoir, Tantangara Intake. Downstream of construction works	5.76	76.3	9.55	21	14	7.3	236	3.8	Frozy day, a bit turbid water, no organic matter visible, no odor	Low DO% remains consistent with upgradient conditions, all parameters align with baseline data observed at Tantangara Reservoir.
8 July 2026, 8:44 AM	EPL38	Tantangara Reservoir, variable location dependant on tide and reservoir levels. Between the emplacement area and the ancillary facilities for emplacement activities	5.73	81.3	10.19	20	13	7.6	213	3.7	Frozy day, organic matter and foam on the surface, a bit turbid water, no odor	Low DO% remains consistent with upgradient conditions, all parameters align with baseline data observed at Tantangara Reservoir.
18 July 2026, 7:26 AM	EPL39	Confluence of Nungar Creek and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of Tantangara construction works	2.46	87.2	11.9	16	10	7.73	223	0.9	Clear day. Frost on ground. Water level and flow high. Recent rain and snow event.	This upgradient location is not considered affected by project activities.
8 July 2026, 8:22 AM	EPL40	Confluence of the upper Murrumbidgee River and Tantangara Reservoir, variable location dependent on tide and reservoir levels. Upstream of works	5.22	83.5	10.6	16	10	7.88	196	2.0	Frozy day, clear water, no sheen observed, no odor	This upgradient location is not considered affected by project activities.
8 July 2026, 9:22 AM	EPL 51	Tantangara Reservoir, downstream of Tantangara STP/PWTP diffuser outlet	5.84	81.0	10.12	19	12	7.09	242	4.0	Frozy day, clear water, no foam, organic matter in the surface, no odor	Low EC and DO% remain consistent with upgradient conditions; all parameters align with baseline data observed at Tantangara Reservoir.
19 July 2026, 12:22 PM	EPL107	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	10.12	92.6	10.43	33	22	7.4	281	0	Clear day. Reservoir level low. Turbidity 0 at sample point lab to retest.	This is an upgradient location and not influenced by construction works
19 July 2026, 12:18 PM	EPL108	Monitoring of Ravine Bay emplacement area (center of PSE) within Yarrangobilly River	9.86	93.0	10.52	33	22	7.41	279	0	Clear day. Reservoir level low. Turbity 0 at sample point lab to retest.	A slight decrease in pH was recorded this period although within WQO's, with EC remaining consistent with upgradient conditions. All monitored parameters are within expected ranges based on historical datasets.
19 July 2026, 12:07 PM	EPL109	Upstream monitoring of Ravine Bay emplacement area within Yarrangobilly River	9.26	88.9	10.21	32	21	7.46	278	0	Clear day. Reservoir level low. QA taken here. Turbidity 0 at sample point lab to retest.	EC remains consistent with upgradient conditions. DO% is slightly lower than upstream locations. All monitored parameters are within expected ranges based on historical datasets.

Table 3 - Treated Water Quality Data
Talbingo

Water Quality Objectives												
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	700	-	6.5 - 8.5	-	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 July 2026, 8:40 AM	EPL41	Lobs Hole STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Talbingo Reservoir.	13.05	75.0	7.9	12	8	7.43	138	0.55	Turbidity measured with hach meter, QA collected here. Clear water, no smell	All parameters are within the WQO's

Table 4 - Treated Water Quality Data
Tantangara

Water Quality Objectives												
Temp (°C)	DO (%)	DO (mg/L)	EC (µS/cm)	TDS (mg/L)	pH	Redox (mV)	Turbidity (NTU)					
-	-	-	168	-	6.5 - 8.5	-	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
12 July 2026, 9:05 AM	EPL50	Tantangara STP/PWTP Final Effluent Quality Monitoring Point. Downstream of final treatment, prior to discharge to Tantangara Reservoir.	7.62	72.5	8.66	39	26	7.96	218	11.2	Work area clean and tidy. Recent snow event. Plant running at time of sample collection. QA taken here.	All parameters are within the WQO's

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

EPL Monthly In-Situ Monitoring July 2026

Water Quality Objectives												
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
4 July 2026, 10:32 AM	EPL56	GF01 groundwater upstream east	12.51	25.1	2.67	249	162	7.3	158	14.5	Clear day, no rain, no odour, clear water.	This is an upgradient location and not impacted by project works
4 July 2026, 10:52 AM	EPL57	GF01 groundwater upstream west	12.66	20.3	2.15	271	176	7.57	159	24.3	Clear day, no rain, no odour, clear water, surface runoff around monitoring well.	This is an upgradient location and not impacted by project works
4 July 2026, 9:29 AM	EPL58	GF01 groundwater downstream	13.4	81.8	8.52	737	471	5.51	232	40	Clear day, no rain, no odour, clear water.	Elevated EC and low DO% all fall within previously recorded ranges.
15 July 2026, 7:53 AM	EPL64	Marica groundwater downgradient of the TSE	8.2	15.7	1.85	441	287	7.6	184	24.7	Water pooled around base of monument. Recent rain and snow event. Works have encroached around sample point.	Elevated EC and low DO% levels at this location remain consistent with observed data trends.
15 July 2026, 7:19 AM	EPL65	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	No sample taken due to water level.	Location not sampled due to availability of water
15 July 2026, 7:42 AM	EPL66	Marica groundwater downgradient of the TSE	-	-	-	-	-	-	-	-	No sample taken due to water level.	Location not sampled due to availability of water
12 July 2026, 11:11 AM	EPL68	Tantangara groundwater downstream West	8.75	58.9	6.84	36	24	6.02	274	8.4	Overnight snow. Water clear.	All parameter levels at this location remain consistent with observed data trends.
12 July 2026, 10:46 AM	EPL69	Tantangara groundwater downstream East	8.33	50.5	5.93	82	54	5.63	0.29	93.1	Overnight snow. Snow on ground.	All parameter levels at this location remain consistent with observed data trends.
12 July 2026, 9:57 AM	EPL70	Tantangara groundwater upstream	7.99	53.1	6.29	43	28	6.94	266	111	Overnight snow event. Orangey sediment at base of sleeve. Snow on ground.	This location is upgradient to construction works and not affected by the project.
15 July 2026, 8:55 AM	EPL 72	Marica groundwater upstream	7.96	86.2	10.22	55	36	8.19	193	31.7	Recent rain and snow event. Water pooled around monument.	This location is upgradient to construction works and not affected by the project.
28 July 2026, 2:19 PM	EPL80	Lick Hole Gully groundwater upstream	15.08	43.4	4.36	982	629	6.69	55	93.5	Slightly turbid water, no smell, overcast weather.	This location is upgradient to construction works and not affected by the project.
28 July 2026, 12:25 PM	EPL81	Lick Hole Gully groundwater downstream	12.8	114	12.04	683	437	6.74	62	300	Fairly turbid water, cloudy weather, odourless	DO% has seen a spike this sampling round and will be monitored going forward, all other parameters remain consistent with the previous conditions observed at this location.
28 July 2026, 2:55 PM	EPL82	Main Yard groundwater upstream	15.41	27.2	2.69	3,070	1,970.00	6.7	45	53.2	Clear water, has like sulphide smell, cool cloudy weather.	This location is upgradient to construction works and not affected by the project. Elevated EC is within previously recorded range.
28 July 2026, 12:39 PM	EPL83	Main Yard groundwater downstream	10.85	115.3	12.74	460	299	6.99	116	11.3	Clear water, odourless , cloudy weather	DO% has seen a spike this sampling round and will be monitored going forward, all other parameters remain consistent with the previous conditions observed at this location.
28 July 2026, 12:09 PM	EPL87	Main Yard groundwater downstream	-	-	-	-	-	-	-	-	Defective pumping system. Sampling not undertaken for this round due to faulty pumping	No sample collected due to technical issues with the pump.
28 July 2026, 12:52 PM	EPL88	Main Yard groundwater downstream	12.63	53.8	5.7	925	592	7.29	167	25	Fairly clear water, odourless, cloudy weather	Low DO% and elevated EC within previously recorded data range.
28 July 2026, 1:45 PM	EPL89	Lick Hole Gully groundwater downstream	12.39	42.8	4.57	316	205	7.71	384	19.5	Clean clear water, no smell, no sheen, overcast weather .	Low DO% falls within historic records.
4 July 2026, 9:05 AM	EPL 90	GF01 groundwater downstream	12.47	51.9	5.54	140	91	5.69	199	11.5	Clear day, no rain, no odour, clear water, QAs collected here.	Low DO% and pH results remain consistent with previous data trends observed at this location.
4 July 2026, 8:28 AM	EPL 91	GF01 groundwater downstream	15.11	29.7	2.99	249	162	7.22	74	158	Clear day, no rain, no odour, clear water.	Low DO% remains consistent with previous sampling rounds.
4 July 2026, 8:51 AM	EPL 92	GF01 groundwater downstream	12.45	71.8	7.65	165	107	6.66	153	225	Clear day, no rain, no odour, brown turbid water.	Low DO% remains consistent with previous sampling rounds.
4 July 2026, 8:38 AM	EPL 93	GF01 groundwater downstream	14.32	28.1	2.87	238	154	7.41	84	578	Clear day, no rain, no odour, turbid yellow/orange water.	Low DO% remains consistent with previous sampling rounds.
4 July 2026, 8:43 AM	EPL 94	GF01 groundwater downstream	13.66	25.1	2.61	166	108	7.11	108	96.9	Clear day, no rain, no odour, yellow/orange water.	Low DO% remains consistent with previous sampling rounds.
4 July 2026, 9:22 AM	EPL 95	GF01 groundwater downstream	13.48	12.4	1.29	703	450	5.5	236	109	Clear day, no rain, clear water, no odour.	These results are consistent with the data trends observed at this location.
4 July 2026, 9:40 AM	EPL 97	GF01 groundwater downstream	13.92	19.5	2.01	504	322	6.11	160	31.9	Clear day, no rain, no odour, clear water.	Elevated EC and low DO% are consistent with previous sampling rounds.
12 July 2026, 10:11 AM	EPL103	Upstream groundwater monitoring west of the Tantangara emplacement area	9.26	32.3	3.71	51	33	6.07	286	98.9	Overnight snow. Snow on ground.	This location is upgradient to construction works and not affected by the project.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring July 2026												
18 July 2026, 8:16 AM	EPL104	Dowslope groundwater monitoring east of the Tantangara emplacement area	7.47	58.9	7.05	264	171	7.06	269	44.4	Clear day. Frost on ground. Recent rain and snow event. Water clear.	Low DO% and elevated NTU are consistent with upgradient conditions
12 July 2026, 10:30 AM	EPL105	Dowslope groundwater monitoring west of the Tantangara emplacement area	8.9	49.5	5.73	382	248	5.52	304	1.46	Overnight snow. Snow on ground. Water clear. Turbidity measured with Hach meter.	Low DO% and pH results are consistent with previous sampling rounds.
11 July 2026, 12:04 PM	EPL113	Upstream east monitoring of Ravine Bay emplacement area	10.89	21.5	2.38	71	46	5.51	231	452	Slightly grey turbid. No odour. Overcast day. Rain event ended a few days ago and another expected tonight.	This location is upgradient to construction works and not affected by the project.
11 July 2026, 11:25 AM	EPL114	Upstream west monitoring of Ravine Bay emplacement area	11.96	8.9	0.96	369	240	6.76	179	4.3	Clear water, no odour. Western expansion ongoing.	This location is upgradient to construction works and not affected by the project.
11 July 2026, 12:29 PM	EPL115	Downstream east monitoring of Ravine Bay emplacement area	12.02	46.2	4.98	343	223	6.99	198	37	Recent placement of marterial above bore has impacted the immediate area. Water is very clear, no odour.	Low DO% and elevated NTU remain consistent with upstream background conditions.
11 July 2026, 11:02 AM	EPL116	Downstream west monitoring of Ravine Bay emplacement area	12.18	57.7	6.19	113	73	5.94	194	567	Hydrasleeve needed to be dipped twice, potentially causing turbidity in the column. Water is slightly turbid, no odour.	Low DO% and elevated NTU remain consistent with upstream background conditions.
11 July 2026, 9:47 AM	EPL117	Downstream monitoring of Ravine Bay emplacement area	12.81	66.7	7.05	142	93	7.26	-80	36.2	Sleeve installed incorrectly. Had to dip potentially causing higher turbidty readings. Recent rain event ended last week. One incoming. Overcast.	Low DO% and elevated NTU remain consistent with upstream background conditions.
18 July 2026, 11:15 AM	EPL123	Upgradient west of the Rock Forest PSE	12.27	62.8	6.72	30	19	6.07	283	297	Clear day. Frosty morning. Recent rain and snow event.	This location is upgradient to construction works and not affected by the project.
18 July 2026, 11:00 AM	EPL124	Upgradient (NE) of the Rock Forest PSE	11.22	68.6	7.52	20	13	6.48	275	1000	Clear day. Frosty morning. Recent rain and snow event. Water orange colour.	This location is upgradient to construction works and not affected by the project.
18 July 2026, 11:36 AM	EPL125	Downgradient (S) of the Rock Forest PSE	12.88	45.1	4.76	127	83	6.39	268	290	Clear day. Frosty morning. Recent rain and snow event. Orange sediment in base of sleeve.	These results are consistent with the data trends observed at this location.
18 July 2026, 11:51 AM	EPL126	Downgradient (SE) of the Rock Forest PSE	13.01	35.5	3.74	214	139	6.86	252	169	Clear day. Recent rain and snow event. Water light milky discolouration at base of sleeve.	These results are consistent with the data trends observed at this location.
18 July 2026, 12:17 PM	EPL127	Downgradient of the Rock Forest PSE.	11.35	49.5	5.41	87	57	5.44	372	531	Clear day. Recent rain and snow event. Light sedimentation in base of sleeve. QA taken here.	These results are consistent with the data trends observed at this location with the exception of pH, this could be put down to sampling error, however this will be monitored over the coming sampling rounds.



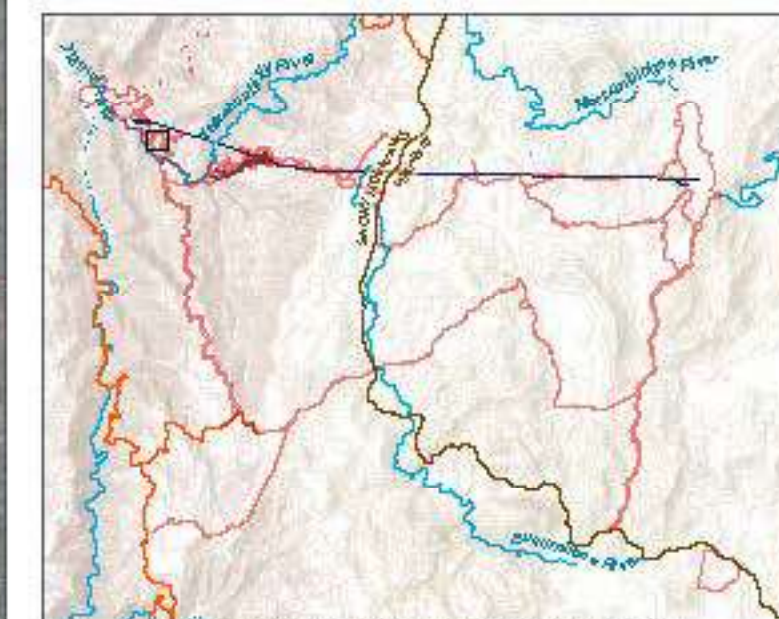
EPL Locations

GF01

Legend

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

ID #	Location	Longitude	Latitude	Media
ERL24	Lobs Hole	148.388545	-35.779893	Surface water
ERL52	GF01	148.388006	-35.778141	Leachate water
ERL53	GF01	148.391374	-35.774478	Surface water
ERL54	GF01	148.389043	-35.77555	Surface water
ERL55	GF01	148.38753	-35.778434	Surface water
ERL56	GF01	148.391504	-35.774757	Groundwater
ERL57	GF01	148.389143	-35.775432	Groundwater
ERL58	GF01	148.388008	-35.778606	Groundwater
ERL90	GF01	148.386253	-35.778407	Groundwater
ERL91	GF01	148.386839	-35.779461	Groundwater
ERL92	GF01	148.387379	-35.77769	Groundwater
ERL93	GF01	148.387746	-35.77778	Groundwater
ERL94	GF01	148.387769	-35.777789	Groundwater
ERL95	GF01	148.388054	-35.778647	Groundwater
ERL97	GF01	148.39003	-35.778508	Groundwater
ERL98	GF01	148.388009	-35.778392	Surface water
ERL122	GF01	148.385177	-35.780204	Surface water



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 the Department of Customer Services, Spatial Services
 Sources: Esri, Vantor, Airbus DS, USGS, NOAA, NASA, CGAR, N Robinson, NCEAS, NLS, GTS, NIMA,
 Geobase, Nelson, Polytechdata, GSA, Geobase, FEMA, Harmap, and the GTS user community. Sources:
 Esri, Vantor, Earthstar, Geographics, and the GTS User Community, Esri, CGAR
 Scale 1:250,000 A3 pages are where shown



Prepared by: Karen Zick
Date: 9/03/2025

Spatta | Rete | Rete : WGS84

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EPL Locations Lobs Hole

Legend

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

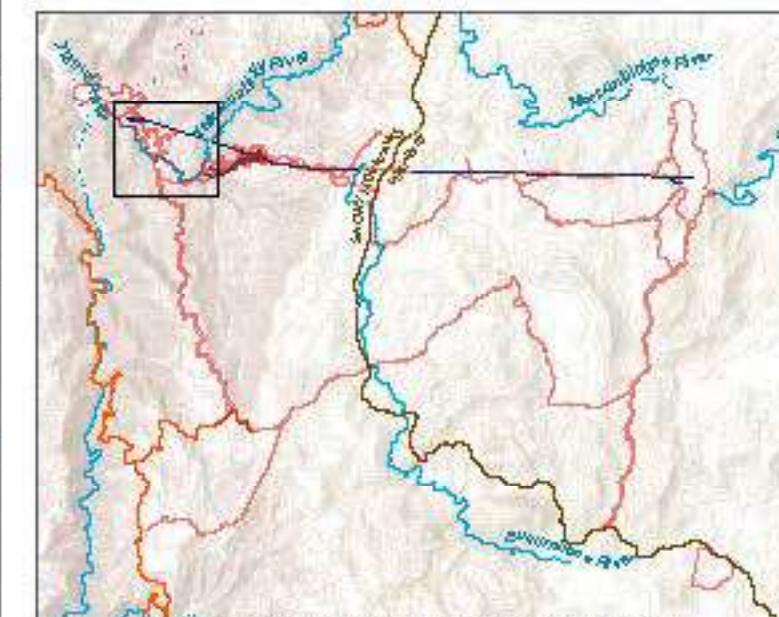
ID	Location	Longitude	Latitude	Media
EPL 1	Lobs Hole	148.13333	-35.79268	Groundwater
EPL 2	Lobs Hole	148.13343	-35.79268	Groundwater
EPL 4	Lobs Hole	148.15133	-35.78810	Groundwater
EPL 5	Lobs Hole	148.16259	-35.78547	Surface water
EPL 6	Lobs Hole	148.1207	-35.79268	Surface water
EPL 8	Lobs Hole	148.01199	-35.78919	Surface water
EPL 9	Lobs Hole	148.06762	-35.78221	Surface water
EPL 10	Reservoir	148.17662	-35.77216	Reservoir
EPL 11	Lobs Hole	148.17666	-35.77666	Reservoir
EPL 12	Lobs Hole	148.14102	-35.78221	Surface water
EPL 14	Lobs Hole	148.04057	-35.79401	Surface water
EPL 15	Lobs Hole	148.03101	-35.79242	Surface water
EPL 16	Lobs Hole	148.12216	-35.78548	Surface water
EPL 24	Lobs Hole	148.08645	-35.77983	Surface water
EPL 25	Lobs Hole	148.15198	-35.78838	Groundwater
EPL 41	Tellargo Reservoir	148.08829	-35.77197	WTP - Discharge Point
EPL 42	Tellargo Reservoir	148.17423	-35.77142	Diffusion Point
EPL 43	Tellargo Reservoir	148.19142	-35.77246	Vol - Outflow
EPL 52	GFO1	148.08866	-35.77814	Leachate water
EPL 53	GFO1	148.11374	-35.77428	Surface water
EPL 54	GFO1	148.09043	-35.77555	Surface water
EPL 55	GFO1	148.08753	-35.77634	Surface water
EPL 56	GFO1	148.11504	-35.77477	Groundwater
EPL 57	GFO1	148.09143	-35.77532	Groundwater
EPL 58	GFO1	148.08866	-35.77666	Groundwater
EPL 60	Lobs Hole	148.11949	-35.79218	Groundwater
EPL 61	Lobs Hole	148.04136	-35.79038	Groundwater
EPL 62	Lobs Hole	148.16579	-35.79180	Groundwater
EPL 63	Lobs Hole	148.11201	-35.78269	Groundwater
EPL 64	Lobs Hole	148.16876	-35.78817	Leachate water
EPL 65	Lobs Hole	148.01224	-35.79053	Leachate water
EPL 66	Lobs Hole	148.02109	-35.79129	Leachate water
EPL 67	Lobs Hole	148.11426	-35.78759	Groundwater
EPL 68	Lobs Hole	148.16466	-35.78256	Groundwater
EPL 69	Lobs Hole	148.02178	-35.79105	Groundwater
EPL 70	GFO1	148.08253	-35.77847	Groundwater
EPL 71	GFO1	148.08829	-35.77948	Groundwater
EPL 72	GFO1	148.08229	-35.77767	Groundwater
EPL 73	GFO1	148.08794	-35.77778	Groundwater
EPL 74	GFO1	148.08769	-35.77778	Groundwater
EPL 75	GFO1	148.08654	-35.77867	Groundwater
EPL 77	GFO1	148.1000	-35.77858	Groundwater
EPL 78	GFO1	148.08809	-35.77810	Surface water
EPL 122	GFO1	148.08177	-35.78024	Surface water
EPL 124	Tellargo Reservoir	148.17816	-35.77074	Reservoir

REFER TO SEPARATE
MAP FOR LOCATIONS
IN THE GFO1 AREA

Prepared by: Karen Zick
Date: 9/03/2025

Spatial Reference: WGS84

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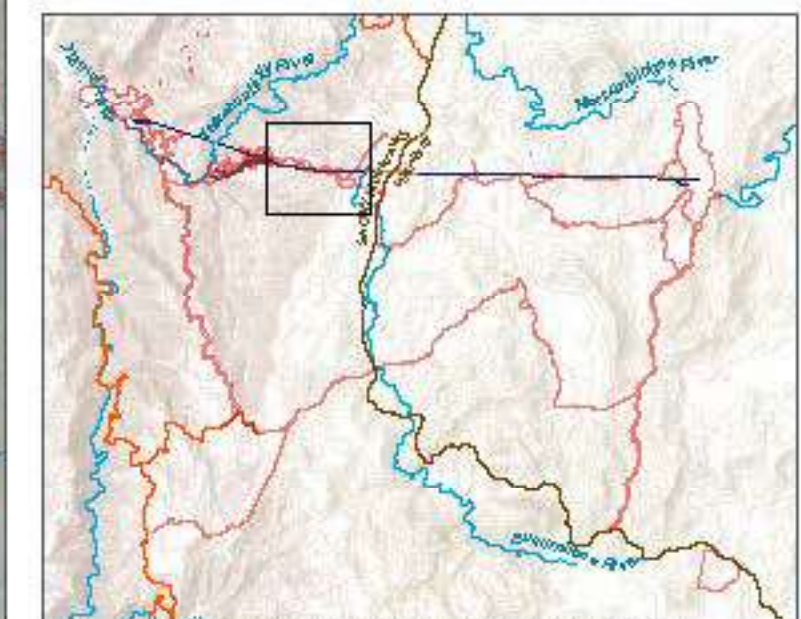
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EPL Locations Marica

Legend

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

ID #	Location	Longitude	Latitude	Media
EPL26	Marica	148.488265	-35.79435	Surface water
EPL27	Marica	148.48821	-35.79447	Surface water
EPL71	Marica	148.452542	-35.786057	Surface water
EPL72	Marica	148.464127	-35.786946	Groundwater
EPL99	Marica	148.463248	-35.785469	Leachate water
EPL100	Marica	148.461039	-35.785835	Leachate water
EPL101	Marica	148.461624	-35.786252	Leachate water
EPL64	Marica	148.456856	-35.784402	Groundwater
EPL65	Marica	148.449348	-35.786373	Groundwater
EPL66	Marica	148.445797	-35.783195	Groundwater



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Prepared by: Karen Zick
 Date: 30/03/2025

Spatial Reference: WGS84

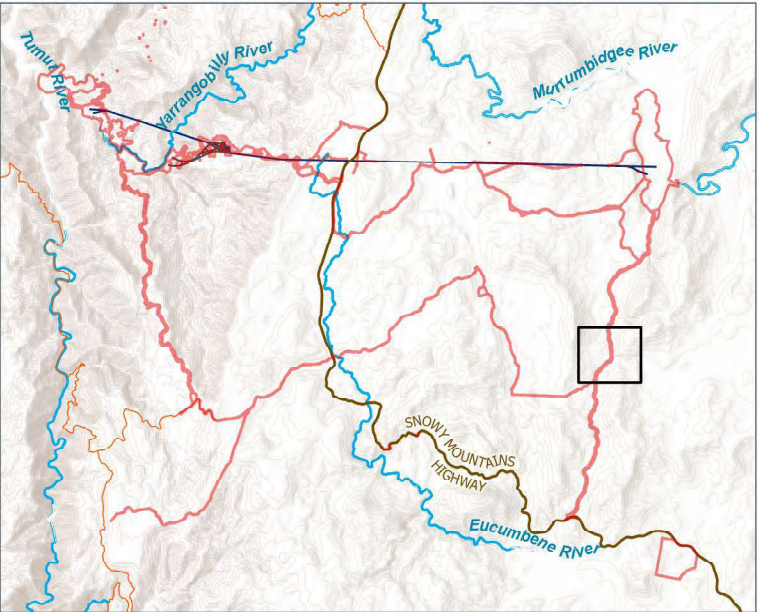
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EPL Locations
Nungar Creek

Legend

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

ID #	Location	Longitude	Latitude	Media
EPL34	Nungar Creek	148.633218	-35.865454	Surface water
EPL35	Nungar Creek	148.632658	-35.865164	Surface water



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Prepared by: Karen Zhu
Date: 15/01/2026



Spatial Reference: WGS84

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EPL Locations Ravine Bay

Legend

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

ID #	Location	Longitude	Latitude	Media
EPL105	Ravine Bay	148.357205	-35.75806	Leachate water
EPL107	Ravine Bay	148.365751	-35.760429	Reservoir
EPL108	Ravine Bay	148.355537	-35.762692	Reservoir
EPL109	Ravine Bay	148.35246	-35.757508	Reservoir
EPL110	Ravine Bay	148.362993	-35.752503	Surface water
EPL113	Ravine Bay	148.364023	-35.75325	Groundwater
EPL114	Ravine Bay	148.35814	-35.755696	Groundwater
EPL115	Ravine Bay	148.36178	-35.757011	Groundwater
EPL116	Ravine Bay	148.35681	-35.757232	Groundwater
EPL117	Ravine Bay	148.35887	-35.757928	Groundwater
EPL118	Ravine Bay	148.362196	-35.755675	Leachate water
EPL119	Ravine Bay	148.362196	-35.754811	Leachate water
EPL120	Ravine Bay	148.362978	-35.753004	Leachate water



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 Sources: Esri, Garmin, Airbus DS, USGS, NOAA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NOAA,
 Geodailyretrieval, GSA, Geobase, FEMA, Intermap, and the G & E user community, Various
 Esri, Geoscience Australia, NASA, NOAA, USGS
 Scale: 1:250,000 (see page 2 for more details)

Prepared by: Karen Zink
 Date: 9/03/2025

Spatial Reference: WGS84

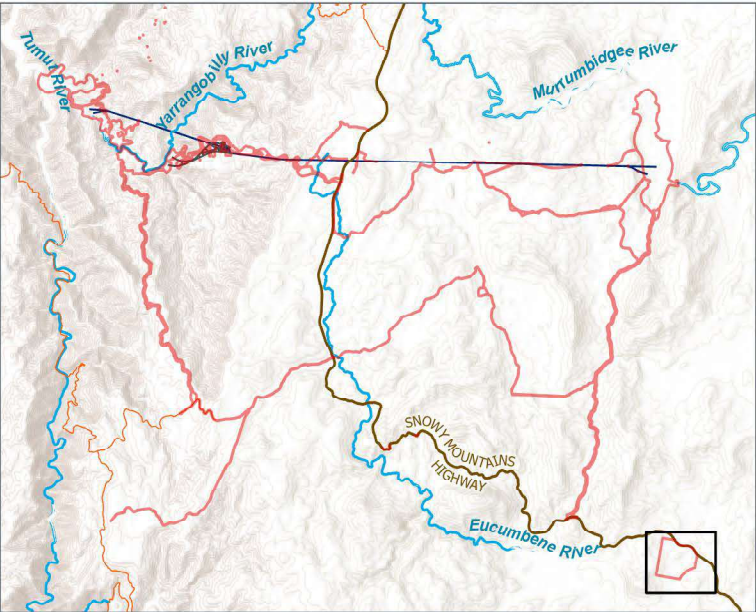
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EPL Locations
Rock Forest

Legend

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

ID #	Location	Longitude	Latitude	Media
EPL36	Rock Forest	148.66727	-35.952445	Surface water
EPL37	Rock Forest	148.675353	-35.94766	Surface water
EPL76	Rock Forest	148.667612	-35.949055	Leachate water
EPL123	Rock Forest	148.661442	-35.949692	Groundwater
EPL124	Rock Forest	148.662695	-35.948896	Groundwater
EPL125	Rock Forest	148.66671	-35.951806	Groundwater
EPL126	Rock Forest	148.669243	-35.949814	Groundwater
EPL127	Rock Forest	148.674808	-35.947165	Groundwater

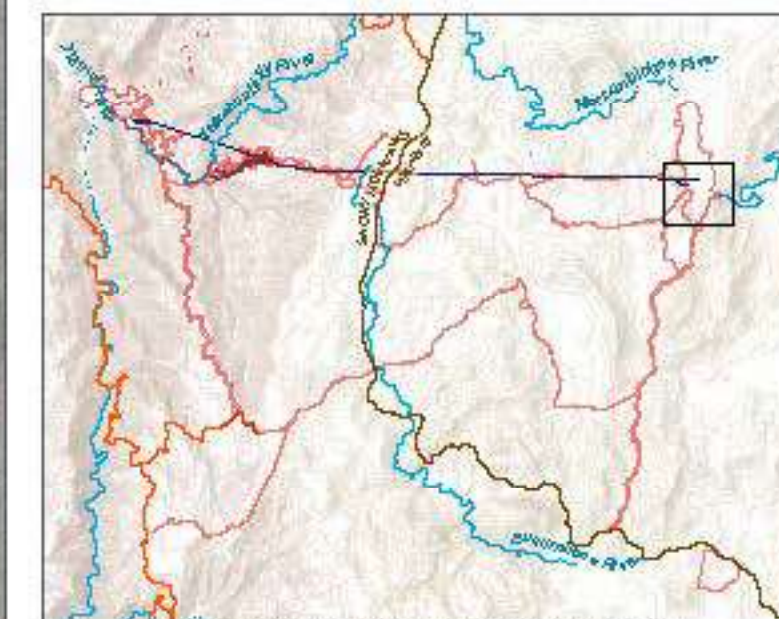


EPL Locations Tantangara

Legend

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

ID #	Location	Longitude	Latitude	Media
EPL29	Tantangara	143.632978	-33.715054	Reservoir
EPL50	Tantangara	143.632001	-33.201582	Surface water
EPL51	Tantangara	143.640474	-33.206515	Surface water
EPL52	Tantangara	143.638771	-33.729309	Reservoir
EPL53	Tantangara	143.641114	-33.710517	Surface water
EPL46	Tantangara	143.637	-33.710	Diffusion Point
EPL50	Tantangara Reservoir	143.631	-33.711	WTP - Discharge Point
EPL51	Tantangara	143.639112	-33.711439	Reservoir
EPL29	Tantangara Reservoir	143.63712	-33.715100	Reservoir



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Prepared by: Karen Zick
 Date: 30/03/2025

Spatial Reference: WGS84

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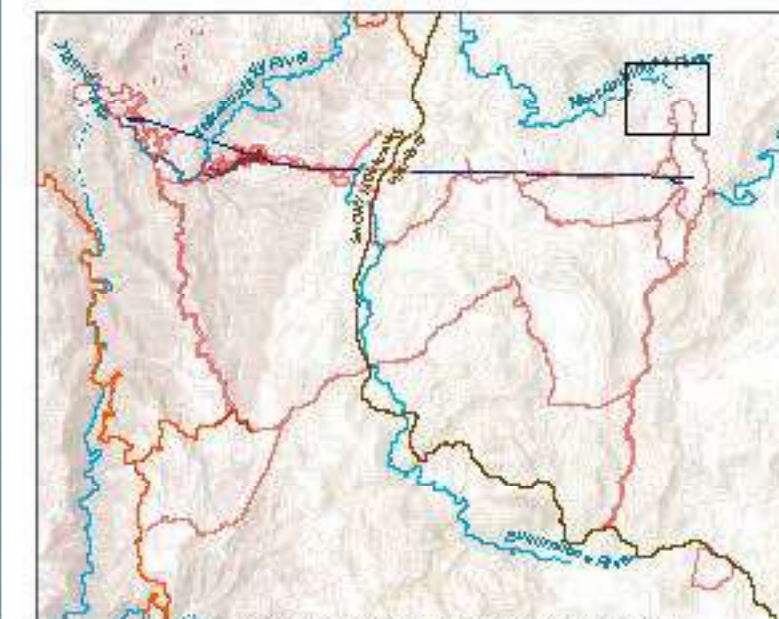
EPL Locations

Tantangara Emplacement

Legend

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

ID #	Location	Longitude	Latitude	Media
EPL28	Tantangara	143.83.5807	-33.747397	Reservoir
EPL30	Tantangara	143.83.2978	-33.769463	Reservoir
EPL39	Tantangara	143.83.9517	-33.761215	Surface water
EPL40	Tantangara	143.83.2804	-33.754804	Surface water
EPL59	Tantangara	143.84.440	-33.761387	Leachate water
EPL60	Tantangara	143.84.475	-33.760587	Leachate water
EPL61	Tantangara	143.84.3002	-33.760057	Leachate water
EPL62	Tantangara	143.84.9205	-33.761685	Leachate water
EPL63	Tantangara	143.84.9237	-33.762985	Leachate water
EPL67	Tantangara	143.84.2315	-33.759375	Leachate water
EPL68	Tantangara	143.84.4412	-33.760452	Groundwater
EPL69	Tantangara	143.84.9202	-33.762342	Groundwater
EPL70	Tantangara	143.84.3177	-33.769387	Groundwater
EPL103	Tantangara	143.84.387	-33.768424	Groundwater
EPL104	Tantangara	143.84.7405	-33.766207	Groundwater
EPL105	Tantangara	143.84.2441	-33.76625	Groundwater



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