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.

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-31 January 2026 - Groundwater

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL56	EPL57	EPL58	EPL68	EPL69	EPL70	EPL72	EPL80	EPL81	EPL82	EPL83	EPL87	EPL88	EPL89	EPL 90	EPL 91	EPL92	EPL93	EPL94	EPL95	EPL96	EPL97	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117
Physiochemical				12/01/26	12/01/26	19/01/26	31/01/26	23/01/26	31/01/26	24/01/26	12/01/26	27/01/26	12/01/26	12/01/26	27/01/26	12/01/26	27/01/26	19/01/26	12/01/26	12/01/26	12/01/26	12/01/26	19/01/26	19/01/26	19/01/26	23/01/26	23/01/26	23/01/26	23/01/26	23/01/26	31/01/26	31/01/26	31/01/26	31/01/26
pH	**pH Unit**	-	6.5-8	7.09	7.91	6.07	5.32	5.89	6.26	6.16	6.79	6.63	6.7	6.46	7.11	7.12	7.25	7.44	6.96	6.8	7.04	6.78	6.1	6.89	6.67	6.88	6.13	5.63	6.42	7.15	7.61	7.55	7.16
Electrical Conductivity	**µS/cm**	-	30-350	232	262	946	23	51	368	97	951	914	284	579	858	980	421	95	249	125	237	176	876	538	581	65	62	107	176	171	154	363	169
Oxidation Reduction Potential	**mV**	-	No Water Quality Objective Value	139	134	144	289	233	200	254	6	-17	-24	17	217	-43	90	162	-35	169	-10	39	138	131	163	156	201	245	138	132	130	157	48
Temperature	**°C**	-	No Water Quality Objective Value	17.6	19.87	18.27	15.79	15.59	15.96	13.28	20.61	20.67	20.68	17.92	17.98	16.81	18.49	22.01	16.03	17.84	17.2	17.62	19.59	17.01	20.8	14.53	15.75	14.76	16.2	20.45	20	17.72	16.03
Dissolved Oxygen	**% saturation**	-	No Water Quality Objective Value	32.6	31.3	87	60.4	86.7	111.4	110.8	5.2	23.7	86.9	5.7	12.2	77.8	109.4	84.1	50.5	104.4	19.7	19	83.5	88	91.4	65.6	51.8	55.7	5.4	38	103.9	84	9.6
Turbidity	**NTU**	-	No Water Quality Objective Value	1.2	20.6	6.4	11.5	82.4	37	17.25	151	40	62.1	12.7	23.5	5.2	174	10.5	10.5	721	1000	53.7	92.6	1000	24.6	4.6	13.6	35.7	22	8	3.7	274	68.3
Laboratory analytes																																	
TSS	**mg/L**	5	No Water Quality Objective Value	9	26	<5	<5	143	15	11	15	62	53	<5	24	<5	243	5	35	1,540	1,360	78	<5	1,300	47	29	461	197	58	6	29	861	197
Hardness as CaCO3	**mg/L**	1	No Water Quality Objective Value	137	110	339	<1	9	20	21	423	447	1,290	118	138	390	23	39	128	52	126	88	324	215	155	145	42	35	36	170	145	42	39
Nutrients																																	
Ammonia as N	**µg/L**	10	15	<10	<10	<10	<10	<10	<10	<10	70	110	140	30	30	260	20	<10	20	<10	40	<10	<10	200	<10	30	10	40	<10	90	30	10	40
Nitrite + Nitrate as N (NOx)	**µg/L**	10	15	530	2,340	31,600	900	380	840	660	10	<10	30	300	13,000	<10	60	150	<10	40	<10	<10	39,600	29,200	100	<10	80	30	40	50	<10	80	30
Kjeldahl Nitrogen Total	**µg/L**	100	No Water Quality Objective Value	<100	300	1,300	200	200	200	200	200	200	200	300	1,000	300	<100	<100	<100	<500	<1,000	<100	2,000	6,300	<100	200	200	<100	200	300	200	200	<100
Nitrogen (Total)	**µg/L**	100	250	500	3,200	42,900	1,100	400	1,000	900	200	200	200	200	14,000	300	<100	200	<100	<500	<1,000	<100	41,600	35,500	100	200	300	<100	200	200	200	300	<100
Reactive Phosphorus	**µg/L**	1	15	<10	10	30	<10	<10	10	20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	**µg/L**	10	20	<10	20	30	<10	70	60	30	110	100	60	20	50	130	200	30	30	410	400	50	30	1,560	50	40	100	300	<10	20	80	300	300
Inorganics																																	
Cyanide Total	**µg/L**	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons																																	
Oil and Grease	**mg/L**	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals																																	
Aluminium (total)	**µg/L**	5	No Water Quality Objective Value	57	476	8	101	3,590	358	425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	**µg/L**	5	27	<5	<5	<5	<5	<5	<5	12	<5	22	<5	<5	<5	<5	<5	3910	<5	<5	<5	<5	<5	18	<5	<5	<5	<5	10	<5	<5	<5	<5
Arsenic (total)	**µg/L**	0.2	No Water Quality Objective Value	<0.2	4.0	<0.2	<0.2	1.4	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	**µg/L**	0.2	0.8	<0.2	1.5	<0.2	<0.2	<0.2	<0.2	<0.2	0.9	29.0	4.6	13.1	0.3	10.0	0.2	0.6	1.3	0.4	6.1	0.6	0.8	<0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.2	0.3	0.4
Chromium (III+VI) (total)	**µg/L**	0.2	No Water Quality Objective Value	0.3	1.9	0.3	0.2	4.8	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	**µg/L**	0.2	0.81	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	1.0	0.3	<0.2	3.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2
Copper (total)	**µg/L**	0.5	No Water Quality Objective Value	3.9	113	8.4	1.3	22.5	46.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	**µg/L**	0.5	1	<0.5	7.2	7.4	4.5	4.1	23.7	8.5	<0.5	<0.5	<0.5	3.9	3.7	1.0	10.3	10.3	<0.5	<0.5	<0.5	<0.5	<0.5	724	<0.5	<0.5	<0.5	5.2	<0.5	6.5	0.8	<0.5	5.2	<0.5
Iron (total)	**µg/L**	2	No Water Quality Objective Value	78	878	6	72	3,030	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	**µg/L**	2	300	<2	<2	<2	3	<2	<2	<2	5	6,120	215	3	<2	17	17	2,030	6	<2	<2	8	<2	7	65	<2	<2	3	32	<2	<2	<2	3
Lead (total)	**µg/L**	0.1	No Water Quality Objective Value	0.7	1.6	2.6	<0.1	2.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	**µg/L**	0.1	1	<0.1	<0.1	2.2	0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	11.3	<0.1	0.8	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	**µg/L**	0.5	No Water Quality Objective Value	24	139	9.9	2.4	160	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	**µg/L**	0.5	1,200	1.8	82.5	10	1.8	6.0	2.2	7.8	259	336	417	150	2.2	294	13.0	467	165	31.0	388	186	351	104	636	82.7	12.8	239	21.8	44.7	82.7	32.8	239
Nickel (total)	**µg/L**	0.5	No Water Quality Objective Value	<0.5	1.8	4	0.5	5.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	**µg/L**	0.5	8	<0.5	<0.5	3.6	<0.5	0.6	0.5	2.6	18.1	4.7	0.8	22.6	4.6	3.0	2.6	30.0	0.8	<0.5	0.7	<0.5	9.4	7.6	3.7	0.6	0.8	7.9	<0.5	0.6	0.6	0.8	7.9
Silver (total)	**µg/L**	0.01	No Water Quality Objective Value	<0.01	0.02	<0.01	<0.01	0.05	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	**µg/L**	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	**µg/L**	1	No Water Quality Objective Value	6	6	10	2	11	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	**µg/L**	1	2.4	<1	<1	10	5	2	7	9	<1	8	2	2	<1	1	<1	34	<1	<1	<1	1	36	9	85	<1	2	3	3	2	<1	2	3

Snowy Hydro 2.0 Main Works

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

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
Field				1/11/26	1/11/26	26/1/2026	26/1/2026	26/1/2026	26/1/2026	13/1/2026	26/1/2026	26/1/2026	11/1/26	11/1/26	11/1/26
pH	pH Unit	-	6.5-8	7.78	8.2	7.67	7.05	7.1	6.91	6.84	6.78	7	8.19	8.25	8.42
Electrical Conductivity	µS/cm	-	20-30	121	79	30.2	25.9	26.2	26.7	26	29.7	26	58	46	45
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	167	151	112.8	137.6	133.7	154.6	196	146.1	136	141	133	115
Temperature	°C	-	No Water Quality Objective Value	23.32	23.09	19.7	19.8	19.8	20.1	24.13	20.2	19.8	22.32	21.52	20.61
Dissolved Oxygen	% saturation	-	90-110	66.1	75.8	87.7	87.8	88.2	88.4	75	88.2	88	106.2	82.2	93.4
Turbidity	NTU	-	1-20	2.5	7.7	4.77	3.56	2.83	4.02	35.5	4.19	4.75	7	8.4	1.43
Laboratory analytes															
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Hardness as $CaCO_3$ (filtered)	mg/L	1	No Water Quality Objective Value	53	36	9	9	9	9	7	9	9	22	17	14
Nutrients															
Ammonia as N	µg/L	10	10	<10	<10	<10	<10	10	40	<10	20	<10	<10	<10	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	10	<10	<10	140	<10	<10	<10	30	<10	<10	<10	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	100	400	300	300	300	<100	300	300	<100	100	400
Nitrogen (Total)	µg/L	100	350	200	100	500	300	300	300	<100	300	300	<100	100	400
Reactive Phosphorus	µg/L	10	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	20	<10	<10	<10	<10	<10	<10	<10	<10	20	<10	30
Inorganics	µg/L														
Cyanide Total	mg/L	4	7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons															
Oil and Grease	µg/L	1	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals															
Aluminium (dissolved)	µg/L	5	55	<5	<5	35	39	39	40	43	37	39	<5	<5	5
Arsenic (dissolved)	µg/L	0.2	13	0.8	0.5	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	95	30	243	191	195	198	98	263	198	18	12	11
Lead (dissolved)	µg/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5	<0.5	1.5	1.5	1.5	1.7	3.7	1.5	1.5	<0.5	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-31 January 2026 - Surface Water

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL53	EPL54	EPL55	EPL67	EPL71	EPL84	EPL85	EPL86	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field				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
pH	-	-	6.5-8	8.31	8.17	8.13	8.27	8.36	8.27	8.33	8.58	Dry	6.38	6.63	7.42	7.29	7.35	7.84	7.56	6.35	6.57	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	7.62	Dry	6.17	8.91	Dry	Dry	8.38	Dry	Dry
Electrical Conductivity	µS/cm	-	30-350	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	304	Dry	921	2,120.00	Dry	Dry	1870	Dry	Dry
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	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	198	65	Dry	Dry	103	Dry	Dry
Temperature	°C	-	No Water Quality Objective Value	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
Dissolved Oxygen	% saturation	-	90-110	88.3	77.8	64	85.4	81.6	75	67.6	100.9	Dry	87.8	46.8	74.8	63.7	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
Turbidity	NTU	-	2-25	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
Laboratory analytes																																								
TSS	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	12	<5	<5	<5	<5	<5	<5	<5	<5	24	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	21	Dry	30	<5	Dry	Dry	10	Dry	Dry
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	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	128	Dry	211	518	Dry	Dry	556	Dry	Dry
Nutrients																																								
Ammonia as N	µg/L	10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	20	<10	<10	30	<10	<10	<10	60	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	2,190	Dry	60	40	Dry	Dry	10	Dry	Dry
Nitrite + Nitrate as N (NOx)	µg/L	10	15	30	<10	90	<10	<10	<10	10	<10	10	10	<10	<10	<10	<10	<10	20	20	10	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	9,220	Dry	18,500	78,800	Dry	Dry	<10	Dry	Dry
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	300	100	<100	<100	600	<100	<100	<100	100	<100	<100	<100	200	200	100	200	200	800	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	2,700	Dry	4,000	7,200	Dry	Dry	200	Dry	Dry
Nitrogen (Total)	µg/L	100	250	300	100	<100	<100	600	<100	<100	<100	100	<100	<100	<100	200	200	100	200	200	800	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	11,900	Dry	22,500	86,000	Dry	Dry	200	Dry	Dry
Reactive Phosphorus	µg/L	10	15	<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	Dry	<10	Dry	<10	20	Dry	Dry	10	Dry	Dry
Phosphorus (Total)	µg/L	10	No Water Quality Objective Value	<10	10	10	<10	20	<10	<10	<10	30	20	20	20	10	<10	<10	70	70	90	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	40	Dry	160	30	Dry	Dry	<10	Dry	Dry
Inorganics																																								
Cyanide Total	mg/L	4	4	<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
Hydrocarbons																																								
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Metals																																								
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	µg/L	-	27	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	17	18	37	14	16	10	10	32	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	8	Dry	<5	<5	Dry	Dry	<5	Dry	Dry
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	µg/L	-	5	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.8	<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
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	µg/L	-	0.01	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<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
Copper (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	µg/L	-	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	0.5	Dry	1.1	0.5	Dry	Dry	<0.5	Dry	Dry
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	µg/L	-	300	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	<2	Dry	<2	3	Dry	Dry	<2	Dry	Dry
Lead (total)	µg/L	0.1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	µg/L	-	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<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
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	µg/L	-	1,200	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
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	µg/L	-	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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
Silver (total)	µg/L	0.01	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	µg/L	-	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	<0.01	Dry	<0.01	<0.01	Dry	Dry	<0.01	Dry	Dry
Zinc (total)	µg/L	1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	µg/L	-	2.4	<1	<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	<1	Dry	Dry

Snowy Hydro 2.0 Main Works

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

Analyte	Unit	Limit of Reporting	Water Quality Objective Value*	EPL 41	EPL 50
Flow Rate				14/1/2026	26/1/2026
Inflow[#]	ML/day	-	-	-	-
Outflow[#]	ML/day	-	4.32 (EPL 43 / 50)	-	-
Field					
pH	pH Unit	-	6.5-8.5	8.26	7.36
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	28	111.9
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	136	117.9
Temperature	°C	-	No Water Quality Objective Value	25.73	20.7
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	94.3	86.8
Turbidity	NTU	-	<25	1.1	0.56
Laboratory analytes					
Total suspended solids	mg/L	5	5	<5	<5
Hardness as $CaCO_3$ (filtered)	mg/L	1	No Water Quality Objective Value	<1	<1
Nutrients					
Ammonia as N	µg/L	10	1	<10	80
Nitrogen (Total)	µg/L	100	1.5	<100	900
Phosphorus (Total)	µg/L	10	0.3	<10	<10
Inorganics					
Cyanide Total	µg/L	4	No Water Quality Objective Value	<4	<4
Hydrocarbons					
Oil and Grease	mg/L	1	2	<1.0	<1.0
Metals					
Aluminium (dissolved)	µg/L	5	55	<5	<5
Arsenic (dissolved)	µg/L	0.2	13	<0.2	0.2
Chromium (III+VI) (dissolved)	µg/L	0.2	1	<0.2	0.8
Copper (dissolved)	µg/L	0.5	14	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	<2	<2
Lead (dissolved)	µg/L	0.1	3.4	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1
Biological					
Faecal Coliforms	CFU/100mL	1	10	<1	<1
Biological Oxygen Demand	mg/L	2	3.5	<2	<2

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

Date	EPL 43 *	EPL 50 ^
	Discharge volume (Megalitres)	
1/01/2026	-	0.18
2/01/2026	0.45	-
3/01/2026	0.43	-
4/01/2026	0.37	0.53
5/01/2026	0.24	-
6/01/2026	-	0.54
7/01/2026	0.29	-
8/01/2026	-	0.36
9/01/2026	-	-
10/01/2026	-	-
11/01/2026	-	-
12/01/2026	-	0.18
13/01/2026	-	0.28
14/01/2026	-	0.56
15/01/2026	-	0.19
16/01/2026	-	-
17/01/2026	0.30	0.30
18/01/2026	-	0.55
19/01/2026	-	0.39
20/01/2026	-	0.35
21/01/2026	-	0.31
22/01/2026	-	0.29
23/01/2026	-	0.19
24/01/2026	-	-
25/01/2026	-	0.28
26/01/2026	-	0.14
27/01/2026	-	-
28/01/2026	-	-
29/01/2026	-	-
30/01/2026	-	0.12
31/01/2026	-	-

\- 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

EPL Monthly In-Situ Monitoring January 2026

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
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 moniroing 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

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
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

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

Table 5 - Groundwater Quality Data
GF01 Surface Water and Groundwater

EPL Monthly In-Situ Monitoring January 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
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 Tantangara 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 Tantangara 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 Tantangara PSE area.
23/01/2026 12:57	EPL105	Dowslope groundwater monitoring east of the Tantangara emplacement area	14.76	55.7	5.64	107	71	5.63	245	15.7	qa_tan01 and QA_TAN02 colllected 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 rainall 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. Turbity 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

Analyte	Unit	Limit of Reporting	Water Quality Objectives	EPL1	EPL2	EPL4	EPL25	EPL56	EPL57	EPL58	EPL68	EPL69	EPL70	EPL72	EPL80	EPL81
Physiochemical				-	24/02/2026	-	24/02/2026	3/02/26	3/02/26	11/02/26	14/02/26	7/02/26	7/02/26	14/02/26	18/02/26	18/02/26
pH	pH Unit	-	6.5-8	-	6.45	-	7.03	8.62	8.68	6.4	7.38	6.01	6.73	6.47	6.88	6.85
Electrical Conductivity	µS/cm	-	30-350	-	483	-	456	234	244	862	21	39	80	73	880	845
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	-	9	-	123	154	161	237	193	253	208	209	41	-33
Temperature	°C	-	No Water Quality Objective Value	-	18.97	-	18.44	18.97	22.09	19.52	12.18	15.88	14.56	15	19.45	19.1
Dissolved Oxygen	% saturation	-	90-110	-	18.3	-	35	95.7	79.5	101	78.9	31	64.8	33	0.9	20.6
Turbidity	NTU	-	2 - 25	-	53.9	-	11.8	9.1	35.6	144	72	296	71	12.7	48.8	252
Laboratory analytes																
TSS	mg/L	5	No Water Quality Objective Value	-	22	-	8	<5	6	210	174	330	16	63	31	217
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	-	185	-	199	122	117	343	<1	13	26	21	335	393
Nutrients																
Ammonia as N	µg/L	10	13	-	110	-	30	20	20	20	20	10	10	10	80	80
Nitrite + Nitrate as N (NOx)	µg/L	10	15	-	230	-	310	520	3,080	46,800	840	150	770	530	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	-	300	-	300	<100	200	1,500	100	<500	<500	<100	100	200
Nitrogen (Total)	µg/L	100	250	-	500	-	600	500	3,300	48,300	900	<500	800	500	100	200
Reactive Phosphorus	µg/L	1	15	-	<10	-	20	<10	10	<10	<10	<10	10	20	<10	<10
Phosphorus (Total)	µg/L	10	20	-	70	-	30	<10	10	150	50	400	320	50	50	220
Inorganics																
Cyanide Total	µg/L	4	4	-	-	-	-	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons																
Oil and Grease	mg/L	1	No Water Quality Objective Value	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals																
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	-	-	284	271	295	3,880	7,230	660	1,140	-	-
Aluminium (dissolved)	µg/L	5	27	-	<5	-	<5	<5	6	9	<5	<5	<5	5	<5	<5
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	<0.2	3.3	0.3	1.1	2.0	<0.2	0.5	-	-
Arsenic (dissolved)	µg/L	0.2	0.8	-	0.3	-	0.4	<0.2	2.8	<0.2	<0.2	<0.2	1.2	<0.2	1.8	18.3
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	0.9	1.1	0.8	7.6	8.4	0.6	4.5	-	-
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	-	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	<0.2	<0.2	<0.2
Copper (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	24.7	85.5	30.2	6.2	56.8	36.8	15.9	-	-
Copper (dissolved)	µg/L	0.5	1	-	137	-	198	2.5	43.2	10.3	<0.5	18.8	25.7	4	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	-	-	352	330	312	4,390	7,150	452	1,350	-	-
Iron (dissolved)	µg/L	2	300	-	8	-	<2	2	<2	8	<2	<2	<2	<2	<2	2,960
Lead (total)	µg/L	0.1	No Water Quality Objective Value	-	-	-	-	5	1.1	4.3	2.2	4	0.2	4.3	-	-
Lead (dissolved)	µg/L	0.1	1	-	<0.1	-	<0.1	<0.1	<0.1	2.7	<0.1	<0.1	0.4	<0.1	<0.1	<0.1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	70.3	118	76.4	67.2	361	11.6	55.6	-	-
Manganese (dissolved)	µg/L	0.5	1,200	-	191	-	904	2.5	76.3	87.6	2.4	5.2	4.6	8.5	280	366
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	1.1	1.5	5.3	2.2	9.6	0.7	5.6	-	-
Nickel (dissolved)	µg/L	0.5	8	-	3	-	27.4	<0.5	<0.5	4.6	<0.5	0.8	1.7	0.7	20.5	3.4
Silver (total)	µg/L	0.01	No Water Quality Objective Value	-	-	-	-	<0.01	<0.01	0.10	0.08	0.09	<0.01	0.32	-	-
Silver (dissolved)	µg/L	0.01	0.02	-	<0.01	-	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	µg/L	1	No Water Quality Objective Value	-	-	-	-	11	6	26	8	20	3	16	-	-
Zinc (dissolved)	µg/L	1	2.4	-	9	-	132	4	2	28	2	3	4	8	1	4

Analyte	EPL82	EPL83	EPL87	EPL88	EPL89	EPL 90	EPL 91	EPL92	EPL93	EPL94	EPL95
Physiochemical	18/02/26	18/02/26	21/02/26	18/02/26	18/02/26	9/02/26	3/02/26	3/02/26	3/02/26	20/02/26	5/02/26
pH	6.8	6.29	6.64	6.81	7.12	6.06	7.13	7.3	7.41	6.83	6.4
Electrical Conductivity	2,770.00	565	831	908	407	49	250	131	209	162	748
Oxidation Reduction Potential	-11	7	165	-44	177	225	164	166	183	-1	272
Temperature	19.55	18.36	20.11	18.85	18.27	17.37	19.82	19.99	18.17	17.54	21.6
Dissolved Oxygen	2	0	33.5	4.4	9.3	33.1	96.3	59.9	99	22.5	36
Turbidity	34	0	6.2	0	23.7	0.83	3.3	137	542	74.6	0.9
Laboratory analytes											
TSS	67	<5	13	<5	82	<5	12	246	607	27	<5
Hardness as CaCO3	1,190	115	140	163	66	16	120	41	115	80	324
Nutrients											
Ammonia as N	160	110	40	280	30	20	30	10	30	20	10
Nitrite + Nitrate as N (NOx)	<10	<10	12,400	20	70	130	<10	30	<10	<10	38,400
Kjeldahl Nitrogen Total	400	200	500	400	<100	<100	100	<200	100	<100	2,700
Nitrogen (Total)	400	200	12,900	400	<100	100	100	<200	100	<100	41,100
Reactive Phosphorus	<10	70	<10	40	10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	30	100	20	50	<10	30	<10	200	110	80	60
Inorganics											
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons											
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals											
Aluminium (total)	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	<5	11	<5	8	<5	8	11	<5	<5	<5	<5
Arsenic (total)	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	17.6	61.5	0.2	20.0	<0.2	<0.2	1.4	0.3	3.7	0.6	1.1
Chromium (III+VI) (total)	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	<0.2	2.4	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (total)	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	<0.5	0.9	2.1	<0.5	19.9	2.4	<0.5	<0.5	<0.5	<0.5	867
Iron (total)	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	3,240	2460	<2	392	<2	3	650	14	202	5	<2
Lead (total)	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	0.8
Manganese (total)	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	455	353	43.4	293	7.9	2.8	724	41.6	153	299	390
Nickel (total)	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	1.4	44.1	23.4	3.2	2.3	3.1	1.5	0.9	0.8	1.0	13.7
Silver (total)	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	7	3	<1	7	<1	13	7	5	<1	4	47

Analyte	EPL96	EPL97	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117
Physiochemical	3/02/26	6/02/26	22/02/26	7/02/26	14/02/26	13/02/26	20/02/26	20/02/26	7/02/26	7/02/26
pH	6.67	6.65	6.11	6.87	7.09	6.02	7.55	6.93	6.09	6.24
Electrical Conductivity	439	475	41	385	395	96	359	313	135	119
Oxidation Reduction Potential	147	214	254	185	196	254	135	195	28	117
Temperature	17.75	15.31	14.16	16.3	21.17	16.19	22.46	17.96	17.43	17.22
Dissolved Oxygen	94.4	16.8	50.9	20.2	29.6	75.2	0.4	113.6	106.6	7.6
Turbidity	1,000.00	20.3	15.6	3.7	10.7	35.3	2	49	3.5	40.9
Laboratory analytes										
TSS	2,240	43	<5	38	18	100	<5	46	2,210	259
Hardness as CaCO3	187	157	5	13	31	41	181	160	45	43
Nutrients										
Ammonia as N	220	10	<10	20	<10	<10	40	90	20	70
Nitrite + Nitrate as N (NOx)	26,500	170	920	350	2,540	90	40	<10	100	10
Kjeldahl Nitrogen Total	7,700	<100	<100	<100	200	100	100	100	<100	<100
Nitrogen (Total)	34,200	200	900	400	2,700	200	100	100	100	<100
Reactive Phosphorus	<10	<10	<10	<10	<10	<10	<10	<10	<10	10
Phosphorus (Total)	2,690	50	20	<10	<10	20	30	20	50	310
Inorganics										
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons										
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals										
Aluminium (total)	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	<5	151	<5	<5	<5	<5	<5	<5	<5	<5
Arsenic (total)	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	0.3	0.3	0.5	0.6
Chromium (III+VI) (total)	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	<0.2	<0.2	<0.2	<0.2	1.0	<0.2	0.4	<0.2	0.2	<0.2
Copper (total)	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	2.1	<0.5	8.6	3.2	<0.5	72.5	4.1	0.7	27.8	<0.5
Iron (total)	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	6	63	<2	<2	<2	5	<2	<2	<2	<2
Lead (total)	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	445	446	1.7	3.0	6.5	24.8	1.3	224	15.2	529
Nickel (total)	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	9.1	4.3	<0.5	<0.5	2.8	1.2	<0.5	0.9	1.7	3.3
Silver (total)	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	8	88	<1	1	8	2	10	<1	13	<1

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	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
Field				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
pH	pH Unit	-	6.5-8	7.93	8.12	7.07	7.91	7.6	7.18	7.18	7.37	7.88	8.29	8.34	8.48
Electrical Conductivity	µS/cm	-	20-30	97	76	31	26	26	27	27	30	26	48	42	45
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	174	150	238	211	221	234	200	229	215	129	116	90
Temperature	°C	-	No Water Quality Objective Value	26.43	25.98	18.07	19.51	19.08	18.67	17.95	18.27	19.24	25.12	24.8	24.27
Dissolved Oxygen	% saturation	-	90-110	63.9	63	73.6	63.2	67	65.4	56.6	55.3	66	83.4	62.4	73.2
Turbidity	NTU	-	1-20	1.35	1.5	7.1	6.3	5.2	3.1	6.8	4.3	6.1	0.96	10.1	28.8
Laboratory analytes															
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	5	<5	5	<5	<5	<5	<5	<5	<5	<5
Hardness as $CaCO_3$ (filtered)	mg/L	1	No Water Quality Objective Value	41	29	9	9	9	9	7	9	9	14	14	17
Nutrients															
Ammonia as N	µg/L	10	10	10	10	10	<10	20	<10	20	<10	<10	<10	<10	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	10	20	20	<10	<10	<10	<10	40	<10	<10	<10	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	300	300	300	300	300	300	300	300	300	300	200	200
Nitrogen (Total)	µg/L	100	350	300	300	300	300	300	300	300	300	300	300	200	200
Reactive Phosphorus (filtered)	µg/L	10	5	<10	<10	10	<10	<10	10	<10	10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	<10	<10	60	50	50	80	20	50	60	<10	<10	<10
Inorganics															
Cyanide Total	mg/L	0.004	0.007	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Hydrocarbons															
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals															
Aluminium (filtered)	µg/L	5	55	<5	<5	23	34	35	35	38	22	32	<5	<5	<5
Arsenic (filtered)	µg/L	0.2	13	0.6	0.5	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3
Chromium (III+VI) (filtered)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (filtered)	µg/L	0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron (filtered)	µg/L	2	300	26	14	243	180	182	203	95	243	170	4	4	5
Lead (filtered)	µg/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (filtered)	µg/L	0.5	1,900	<0.5	<0.5	1	1.2	1.2	1.3	2.7	1	1.2	<0.5	<0.5	<0.5
Nickel (filtered)	µg/L	0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver (filtered)	µg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (filtered)	µg/L	1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Biological															
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value	10,000	7,800	15,000	-	-	-	-	-	86	-	-	-
Thermotolerant Coliforms	CFU/100mL	1	No Water Quality Objective Value	2	4	4	-	-	-	-	-	3	-	-	-

Snowy Hydro 2.0 Main Works

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

Analyte	Unit	Limit of Reporting	Water Quality Objectives	EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL53	EPL54	EPL55	EPL67	EPL71	EPL84	EPL85	EPL86	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field				17/02/2026	17/02/2026	17/02/2026	17/02/2026	17/02/2026	17/02/2026	17/02/2026	18/02/2026	-	6/02/2026	6/02/2026	7/02/2026	7/02/2026	7/02/2026	7/02/2026	7/02/2026	21/02/2026	21/02/2026	21/02/2026	-	-	-	-	-	-	21/02/2026	21/02/2026	18/02/2026	-	2/06/2026	2/06/2026	2/06/2026	7/02/2026	-	7/02/2026	7/02/2026	-	-
pH	pH Unit	-	6.5-8	8.89	8.92	8.92	8.88	8.88	8.91	8.91	8.13	-	8.24	7.75	8.05	7.94	7.03	8.27	7.93	6.98	7.13	9.26	-	-	-	-	-	8.82	9.18	8.41	-	8.77	8.74	9.16	8.73	-	8.55	8.23	-	-
Electrical Conductivity	µS/cm	-	30-350	172	187	199	204	171	174	173	174	-	40	35	35	28	26	41	36	45	48	1,460.00	-	-	-	-	-	1,090.00	1,160.00	1,040.00	-	261	826	852	2,270.00	-	3,340.00	2,380.00	-	-
Oxidation Reduction Potential	mV		No Water Quality Objective Value	168	19	195	175	190	179	171	181	-	159	182	184	187	239	158	176	190	170	70	-	-	-	-	-	116	1,160.00	27.00	-	113	129	107	29	-	106	94	-	-
Temperature	°C	-	No Water Quality Objective Value	23.36	21.59	20.15	19.73	21.64	21.79	21.58	20.95	-	17.65	16.8	11.18	11.01	17.39	10.46	10.39	16.02	23.88	29.43	-	-	-	-	-	25.57	27.23	21.65	-	21.88	24.76	22.96	20.84	-	22.55	21.85	-	-
Dissolved Oxygen	% saturation	-	90-110	83.4	84.8	81.5	85.7	80.2	83.6	84.3	114.4	-	71.5	50.8	60.3	55.7	68.7	60	48.6	53.2	62.3	69.8	-	-	-	-	-	91.3	78.5	40.5	-	63.7	66.2	66.1	59.7	-	63.7	52.1	-	-
Turbidity	NTU		2-25	0	0	6	17.9	0	0.5	0.1	0	-	0.3	0.6	3.7	2.56	25.8	3.8	3.7	13.1	53.7	24.3	-	-	-	-	-	831	1,000.00	346.00	-	214	37.1	80.5	45.4	-	2.3	10.1	-	-
Laboratory analytes																																								
TSS	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	-	<5	<5	<5	<5	<5	<5	<5	<5	8	15	-	-	-	-	-	748	1,170	142	-	34	8	16	<5	-	19	8	-	-
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	73	87	87	87	73	81	73	83	-	18	16	13	13	9	16	16	17	17	291	-	-	-	-	-	49	31	206	-	89	246	220	605	-	1,220	767	-	-
Nutrients																																								
Ammonia as N	µg/L	10	13	30	20	20	20	10	40	10	<10	-	20	10	10	<10	10	10	10	20	30	60	-	-	-	-	-	80	70	20	-	980	90	10	50	-	60	10	-	-
Nitrite + Nitrate as N (NOx)	µg/L	10	15	<10	<10	90	<10	<10	<10	<10	30	-	<10	10	<10	<10	<10	<10	<10	<10	<10	32,000	-	-	-	-	-	4,660	4,050	<10	-	3,460	15,700	17,200	84,800	-	2,450	30	-	-
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	100	100	100	100	<100	100	<100	100	-	100	200	<100	<100	300	200	200	100	300	2,200	-	-	-	-	-	5,800	4,900	700	-	1,400	3,600	1,000	6,600	-	700	100	-	-
Nitrogen (Total)	µg/L	100	250	100	100	200	100	<100	100	<100	100	-	200	200	<100	<100	300	200	200	100	300	34,200	-	-	-	-	-	8,500	9,000	700	-	4,900	19,300	17,200	91,400	-	3,200	100	-	-
Reactive Phosphorus	µg/L	10	15	<10	10	10	10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-	-	-	-	20	<10	<10	-	<10	<10	<10	<10	-	<10	<10	-	-
Phosphorus (Total)	µg/L	10	20	<10	20	10	<10	30	<10	<10	<10	-	20	20	20	20	20	20	40	30	40	20	-	-	-	-	-	820	1,520	90	-	40	60	80	20	-	40	40	-	-
Inorganics																																								
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	-	-	-	-	-	<4	<4	<4	-	<4	<4	<4	<4	-	<4	<4	-	-
Hydrocarbons																																								
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	<1.0	<1.0	5.50	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	-	-
Metals																																								
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium (dissolved)	µg/L	5	27	<5	<5	<5	<5	<5	<5	<5	<5	-	10	<5	11	13	16	18	16	17	25	7	-	-	-	-	-	24	25	18	-	32	18	24	9	-	5	<5	-	-
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	µg/L	0.2	5	0.7	0.4	0.7	0.7	0.7	0.7	0.7	0.7	-	<0.2	<0.2	<0.2	<0.2	0.3	0.2	0.2	0.3	0.4	3.2	-	-	-	-	-	14.2	17.5	3.7	-	6.9	3.3	2.5	2.5	-	3.9	2.0	-	-
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	0.2	<0.2	0.2	<0.2	0.2	0.2	0.2	<0.2	-	0.3	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	-	-	-	-	-	3.7	19.9	<0.2	-	6.8	3.3	5.1	1.0	-	1.4	0.4	-	-
Copper (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	µg/L	0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	5	3.7	1.4	-	<0.5	1.0	1.2	1.0	-	1.2	0.8	-	-
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	µg/L	2	300	6	32	16	11	6	6	8	9	-	64	18	37	28	200	87	92	358	268	<2	-	-	-	-	-	3	3	<2	-	<2	3	<2	3	-	<2	<2	-	-
Lead (total)	µg/L	0.1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	µg/L	0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	0.1	0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	µg/L	0.5	1,200	3.6	0.3	2.9	3.9	1.5	1.5	2.6	2.6	-	1.3	1.9	3.3	1.5	1.4	6.9	4	313	1	<0.5	-	-	-	-	-	<0.5	<0.5	68.2	-	<0.5	0.9	<0.5	0.5	-	<0.5	0.8	-	-
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	3	2.7	1.9	-	<0.5	1.1	1.8	2.4	-	7.2	5.3	-	-
Silver (total)	µg/L	0.01	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	µg/L	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-
Zinc (total)	µg/L	1	No Water Quality Objective Value	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	µg/L	1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	-	-	-	-	-	<1	<1	<1	-	<1	<1	<1	<1	-	<1	<1	-	-

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 4/02/2026	EPL 50 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

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

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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 activitys.
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 occuring 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.

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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 GFO1 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	GFO1 Drainage Line (Formerly EPL 55b)	-	-	-	-	-	-	-	-	-	No sample taken due to dry conditions

EPL 21266 In Situ Water Quality Measurements

EPL Monthly In-Situ Monitoring February 2026

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
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, refering 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

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
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

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
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.

EPL 21266 In Situ Water Quality Measurements

Table 5 - Groundwater Quality Data
GF01 Surface Water and Groundwater

EPL Monthly In-Situ Monitoring February 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
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	Extremly 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 adoped 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/ 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.

Snowy Hydro 2.0 Main Works
Monthly EPL Sampling: 01-31 March 2026 - Groundwater

Analyte	Unit	Limit of reporting	Water Quality Objective Value	EPL56	EPL57	EPL58	EPL68	EPL69	EPL70	EPL72	EPL80	EPL81	EPL82
Field				03 Mar 2026	03 Mar 2026	03 Mar 2026	21 Mar 2026	28 Mar 2026	28 Mar 2026	20 Mar 2026	02 Mar 2026	02 Mar 2026	02 Mar 2026
pH	pH unit	-	6.5-8	7.46	7.9	5.82	5.28	5.88	6.78	8.2	6.78	6.87	6.66
Electrical Conductivity	µS/cm	-	30-350	252	271	694	29.2	58	143	78	929	681	2910
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	201	187	283	231.2	329	291	167	99	-5	9
Temperature	°C	-	No Water Quality Objective Value	17.97	17.04	18.9	16.3	11.04	11.75	13.54	17.25	15.47	17.21
Dissolved Oxygen	% saturation	-	90-110	20.6	18.3	35	72.1	47.8	64.2	103.8	22.5	6.5	16.4
Turbidity	NTU	-	2-25	13.3	69	45.6	23	95.8	89.5	62.9	129	181	99.1
Laboratory analytes													
Total Suspended Solids	mg/L	5	No Water Quality Objective Value	10	32	181	35	105	19	10	13	410	116
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	138	132	218	<1	2	17	24	475	386	1,490
Nutrients													
Ammonia as N	µg/L	10	13	20	10	30	30	80	100	20	40	90	220
Nitrite + Nitrate as N (NOx)	µg/L	10	15	540	2,960	30,600	690	240	840	690	<10	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	600	11,800	700	300	200	100	200	100	300
Nitrogen (Total)	µg/L	100	250	500	3,600	42,400	1,400	500	1,000	800	200	100	300
Reactive Phosphorus	µg/L	10	15	<10	20	<10	<10	<10	20	20	<10	20	<10
Phosphorus (Total)	µg/L	10	20	<10	70	40	20	50	40	90	100	180	30
Inorganics													
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons													
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals													
Aluminium (total)	µg/L	5	No Water Quality Objective Value	451	1,060	3,060	245	2,130	956	408			
Aluminium (dissolved)	µg/L	5	27	<5	<5	<5	13	26	<5	11	<5	<5	<5
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value	0.2	3.9	3.5	<0.2	0.7	<0.2	0.3			
Arsenic (dissolved)	µg/L	0.2	0.8	<0.2	3.8	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.6	2.7
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	1.5	4.1	11.8	0.6	2.6	0.7	2.0			
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2
Copper (total)	µg/L	0.5	No Water Quality Objective Value	11.6	95.5	384	9.0	25.2	47.4	41.7			
Copper (dissolved)	µg/L	0.5	1	<0.5	7.2	19.2	3.8	7.6	10.0	34.9	<0.5	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	562	1,170	4,300	228	2,010	650	470			
Iron (dissolved)	µg/L	2	300	<2	<2	<2	3	22	<2	<2	<2	<2	<2
Lead (total)	µg/L	0.1	No Water Quality Objective Value	4.9	3.4	38.4	<0.1	1.4	0.3	1.5			
Lead (dissolved)	µg/L	0.1	1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	132	168	99.9	7.0	91.7	12.7	27.6			
Manganese (dissolved)	µg/L	0.5	1,200	1.4	70.1	9.4	3.4	7.2	1.2	12.3	221	73.9	387
Nickel (total)	µg/L	0.5	No Water Quality Objective Value	1.9	4.4	13.4	1.1	3.6	<0.5	8.1			
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	3.4	0.6	1.6	<0.5	6.5	15.8	2.1	0.8
Silver (total)	µg/L	0.01	No Water Quality Objective Value	0.02	0.01	0.98	0.02	<0.01	<0.01	0.02			
Silver (dissolved)	µg/L	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	µg/L	1	No Water Quality Objective Value	14	11	26	4	9	2	14			
Zinc (dissolved)	µg/L	1	2.4	<1	<1	5	3	2	<1	12	<1	<1	2

Analyte	EPL83	EPL87	EPL88	EPL89	EPL90	EPL91	EPL92	EPL93	EPL94	EPL95
Field	02 Mar 2026	02 Mar 2026	02 Mar 2026	02 Mar 2026	03 Mar 2026	03 Mar 2026	16 Mar 2026	30 Mar 2026	16 Mar 2026	03 Mar 2026
pH	6.56	6.63	6.71	6.99	5.99	6.8	6.59	7.1	6.86	6.11
Electrical Conductivity	554	951	950	424	61	247	120	248	178	890
Oxidation Reduction Potential	59	126	-11	189	257	221	289	219	179	269
Temperature	16.39	16.02	17.16	17.49	16.71	17.3	16.78	16.59	16.22	17.53
Dissolved Oxygen	10.4	10.7	22.2	26.6	21.6	16.9	63.9	12.8	19.3	51.4
Turbidity	10.6	122	0.6	131	1.37	16.1	219	647	82.9	91.7
Laboratory analytes										
Total Suspended Solids	<5	69	<5	79	<5	14	1,150	3,940	58	34
Hardness as CaCO3	144	183	198	87	16	120	60	117	69	310
Nutrients										
Ammonia as N	40	80	260	<10	10	30	30	60	30	30
Nitrite + Nitrate as N (NOx)	430	12,600	<10	90	160	100	30	20	<10	37,800
Kjeldahl Nitrogen Total	<100	2,500	300	<100	200	200	1,300	<5,000	100	7,900
Nitrogen (Total)	400	15,100	300	<100	400	300	1,300	<5,000	100	45,700
Reactive Phosphorus	10	<10	20	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	50	30	90	60	<10	50	990	1,760	30	70
Inorganics										
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons										
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals										
Aluminium (total)										
Aluminium (dissolved)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Arsenic (total)										
Arsenic (dissolved)	5.7	<0.2	5.1	<0.2	<0.2	0.2	0.3	0.9	0.7	1.0
Chromium (III+VI) (total)										
Chromium (III+VI) (dissolved)	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (total)										
Copper (dissolved)	4.3	1.8	3.6	3.9	3.2	<0.5	<0.5	<0.5	<0.5	136
Iron (total)										
Iron (dissolved)	3	<2	7	3	<2	<2	<2	<2	<2	<2
Lead (total)										
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1
Manganese (total)										
Manganese (dissolved)	193	30.7	232	6.1	2.5	63.2	45.9	128	388	653
Nickel (total)										
Nickel (dissolved)	17.1	22.9	2.7	1.6	2.0	<0.5	1.4	1.2	1.3	21.1
Silver (total)										
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)										
Zinc (dissolved)	5	<1	1	<1	5	<1	7	<1	17	29

Analyte	EPL96	EPL97	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117
Field	03 Mar 2026	03 Mar 2026	01 Mar 2026	21 Mar 2026	21 Mar 2026	07 Mar 2026	07 Mar 2026	07 Mar 2026	07 Mar 2026	07 Mar 2026
pH	6.88	6.48	4.81	5.65	5.23	6.14	7.14	7.67	6.7	6.73
Electrical Conductivity	900	498	40.2	1.2	194.4	129	381	408	146	161
Oxidation Reduction Potential	244	239	218.9	190.1	228.8	228	206	184	180	18
Temperature	17.65	17.09	12.6	16.6	14.8	19.33	21.43	21.37	19.4	19.46
Dissolved Oxygen	57.9	12.4	53.1	58.7	49	31.5	99.8	43.5	59.9	18.9
Turbidity	1000	60.2	13.47	8	2.99	91.9	8.6	31.2	617	38.1
Laboratory analytes										
Total Suspended Solids	16,900	44	10	<5	<5	39	6	10	846	175
Hardness as CaCO3	109	151	5	13	68	36	194	173	54	43
Nutrients										
Ammonia as N	240	70	<10	20	20	<10	130	90	<10	50
Nitrite + Nitrate as N (NOx)	6,730	680	870	390	4,040	100	40	<10	140	<10
Kjeldahl Nitrogen Total	1,900	200	<100	<100	900	200	200	200	300	<100
Nitrogen (Total)	8,600	900	900	400	4,900	300	200	200	400	<100
Reactive Phosphorus	<10	<10	20	<10	<10	<10	<10	<10	10	100
Phosphorus (Total)	440	40	40	20	30	<10	<10	<10	130	250
Inorganics										
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons										
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals										
Aluminium (total)			124	161	130					
Aluminium (dissolved)	10	<5	<5	<5	<5	21	<5	<5	<5	<5
Arsenic (total)			<0.2	<0.2	<0.2					
Arsenic (dissolved)	0.8	0.4	<0.2	<0.2	<0.2	0.3	0.3	<0.2	0.4	0.4
Chromium (III+VI) (total)			0.4	0.4	0.7					
Chromium (III+VI) (dissolved)	18.2	<0.2	<0.2	0.3	0.5	<0.2	0.6	<0.2	0.3	<0.2
Copper (total)			61.1	1.3	5.9					
Copper (dissolved)	1.6	<0.5	36.4	<0.5	5.1	104	0.9	<0.5	1.3	<0.5
Iron (total)			98	97	141					
Iron (dissolved)	64	5	<2	<2	<2	52	<2	<2	<2	3
Lead (total)			0.8	0.1	0.1					
Lead (dissolved)	1.6	0.2	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Manganese (total)			5.6	3.8	21.9					
Manganese (dissolved)	21.0	605	2.1	2.8	20.6	22.9	0.9	121	5.7	356
Nickel (total)			<0.5	<0.5	7.4					
Nickel (dissolved)	1.6	5.9	<0.5	<0.5	6.6	2.8	<0.5	0.5	0.7	1.5
Silver (total)			<0.01	<0.01	0.18					
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)			2	1	465					
Zinc (dissolved)	<1	68	1	<1	472	2	3	<1	2	<1

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

Analyte	Unit	Limit of reporting	Water Quality Objective Value*	EPL5	EPL6	EPL8	EPL9	EPL12	EPL14	EPL15	EPL16
Field				24 Mar 2026	24 Mar 2026	24 Mar 2026	24 Mar 2026	24 Mar 2026	24 Mar 2026	24 Mar 2026	24 Mar 2026
pH	pH unit	-	6.5-8	8.04	7.39	7.43	8.42	7.58	7.4	7.45	8.19
Electrical Conductivity	µS/cm	-	30-350	111	92	125	124	108	106	112	118
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	182	223	216	166	215	225	221	178
Temperature	°C	-	No Water Quality Objective Value	16.03	15.74	18.85	24.23	16.07	16.55	17.03	21.69
Dissolved Oxygen	% saturation	-	90-110	87.6	61.1	67.9	72.4	74.7	72.1	97.6	98.1
Turbidity	NTU	-	2-25	3.92	0.5	0.4	2.51	1.1	1.68	1.68	1.54
Laboratory analytes											
Total Suspended Solids	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	56	46	61	56	56	53	53	56
Nutrients											
Ammonia as N	µg/L	10	13	20	<10	50	<10	<10	<10	180	<10
Nitrite + Nitrate as N (NOx)	µg/L	10	15	10	<10	130	<10	<10	<10	10	50
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	<100	300	300	200	300	600	<100
Nitrogen (Total)	µg/L	100	250	<100	<100	400	300	200	300	600	<100
Reactive Phosphorus (filtered)	µg/L	10	15	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	20	<10	<10	<10	<10	<10	<10	20	<10
Inorganics											
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons											
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals											
Aluminium (total)	µg/L	5	No Water Quality Objective Value								
Aluminium (dissolved)	µg/L	5	27	6	<5	<5	5	<5	<5	5	<5
Arsenic (total)	µg/L	0.2	No Water Quality Objective Value								
Arsenic (dissolved)	µg/L	0.2	0.8	0.6	0.4	0.6	0.6	0.6	0.6	0.6	0.6
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value								
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2
Copper (total)	µg/L	0.5	No Water Quality Objective Value								
Copper (dissolved)	µg/L	0.5	1	<0.5	<0.5	0.6	0.6	<0.5	<0.5	0.7	0.6
Iron (total)	µg/L	2	No Water Quality Objective Value								
Iron (dissolved)	µg/L	2	300	26	21	21	24	16	22	21	24
Lead (total)	µg/L	0.1	No Water Quality Objective Value								
Lead (dissolved)	µg/L	0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)	µg/L	0.5	No Water Quality Objective Value								
Manganese (dissolved)	µg/L	0.5	1,200	3.0	2.9	1.5	3.8	1.1	1.1	1.6	3.0
Nickel (total)	µg/L	0.5	No Water Quality Objective Value								
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver (total)	µg/L	0.01	No Water Quality Objective Value								
Silver (dissolved)	µg/L	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)	µg/L	1	No Water Quality Objective Value								
Zinc (dissolved)	µg/L	1	2.4	<1	<1	<1	<1	<1	<1	<1	<1

Analyte	EPL24	EPL26	EPL27	EPL30	EPL31	EPL33	EPL34	EPL35	EPL36	EPL37	EPL52	EPL55
Field	03 Mar 2026	20 Mar 2026	20 Mar 2026	15 Mar 2026	15 Mar 2026	18 Mar 2026	18 Mar 2026	18 Mar 2026	21 Mar 2026	21 Mar 2026	03 Mar 2026	30 Mar 2026
pH	7.1	8.29	8.55	6.09	6.68	9.32	8.49	8.24	6.91	8.38	8.56	6.98
Electrical Conductivity	1100	24	19	21	31	32	46	39.0	31	98	1,020	1,340
Oxidation Reduction Potential	221	103	136	250	199	134	170	175	136	125	177	263
Temperature	18.37	15.37	16.14	16.66	17.09	18.14	18.09	18	15.43	15.48	22.21	18.75
Dissolved Oxygen	49.1	94.6	89.2	72.4	99.1	82.9	70.3	64.7	56.3	71.5	92.3	61
Turbidity	6.2	0.7	1.98	25.2	3.8	42.1	3.9	0.7	7.0	17.1	84.2	13.8
Laboratory analytes												
Total Suspended Solids	<5	5	<5	<5	<5	8	<5	<5	<5	19	21	6
Hardness as CaCO3	315	16	16	13	9	5	9	9	17	20	212	414
Nutrients												
Ammonia as N	80	70	20	20	<10	50	230	<10	30	40	20	60
Nitrite + Nitrate as N (NOx)	36,900	<10	<10	20	10	<10	<10	<10	10	90	18,900	42,100
Kjeldahl Nitrogen Total	10,300	200	100	<100	<100	1,000	600	200	400	700	4,200	3,000
Nitrogen (Total)	47,200	200	100	<100	<100	1,000	600	200	400	800	23,100	45,100
Reactive Phosphorus (filtered)	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	50	30	20	30	10	50	20	10	50	70	10	20
Inorganics												
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons												
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals												
Aluminium (total)											981	170
Aluminium (dissolved)	8	7	7	13	15	25	15	16	24	57	11	<5
Arsenic (total)											5.5	0.9
Arsenic (dissolved)	0.4	<0.2	<0.2	<0.2	<0.2	0.4	0.2	0.2	0.4	0.5	5.9	0.8
Chromium (III+VI) (total)											2.9	0.7
Chromium (III+VI) (dissolved)	0.3	0.3	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.3	1.3	0.5
Copper (total)											2.7	1.1
Copper (dissolved)	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.0	<0.5
Iron (total)											944	133
Iron (dissolved)	33	68	32	51	34	165	142	160	331	411	<2	<2
Lead (total)											1.1	0.2
Lead (dissolved)	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (total)											21.6	8.1
Manganese (dissolved)	86.1	9.9	2.1	3.1	1.7	3.3	6.1	6.5	138	10.4	2.0	5.5
Nickel (total)											3.3	1.5
Nickel (dissolved)	2.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.6	0.9	1.2
Silver (total)											<0.01	<0.01
Silver (dissolved)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (total)											4	7
Zinc (dissolved)	2	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	2

Analyte	EPL67	EPL71	EPL84	EPL85	EPL86	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field	-	-	02 Mar 2026	02 Mar 2026	02 Mar 2026	03 Mar 2026	20 Mar 2026	20 Mar 2026	-	27 Mar 2026	-	20 Mar 2026	13 Mar 2026	-	03 Mar 2026
pH	-	-	8	9.46	9.42	6.05	9.98	8.41	-	7.83	-	9.11	8.64	-	7.77
Electrical Conductivity	-	-	691	794	721	1,570	300	589	-	232.00	-	2240	2010	-	761
Oxidation Reduction Potential	-	-	92	109	110	281	112	186	-	10	-	185	172	-	200
Temperature	-	-	19.33	20.14	20.53	18.2	19.95	20.1	-	17.45	-	21.62	22.82	-	18.19
Dissolved Oxygen	-	-	52.5	118.1	147.1	49.9	74.6	93.8	-	83.4	-	80.9	68.7	-	51.9
Turbidity	-	-	1,000	1,000.00	92.6	1.59	82.3	168	-	173	-	7	1.8	-	135
Laboratory analytes															
Total Suspended Solids	-	-	599	878	44	<5	14	30	-	48	-	14	<5	-	159
Hardness as CaCO3	-	-	66	93	176	614	74	178	-	674	-	521	537	-	112
Nutrients															
Ammonia as N	-	-	40	50	30	20	2,770	120	-	150	-	80	20	-	20
Nitrite + Nitrate as N (NOx)	-	-	4,450	4,240	30	75,300	6,220	12,400	-	75,700	-	2,530	20	-	6,940
Kjeldahl Nitrogen Total	-	-	900	900	600	16,500	4,700	2,400	-	6,700	-	1,000	800	-	2,300
Nitrogen (Total)	-	-	5,400	5,100	600	91,800	10,900	14,800	-	82,400	-	3,500	800	-	9,200
Reactive Phosphorus (filtered)	-	-	110	20	<10	<10	<10	10	-	<10	-	<10	<10	-	<10
Phosphorus (Total)	-	-	460	770	50	10	80	140	-	70	-	50	20	-	50
Inorganics															
Cyanide Total	-	-	<4	<4	<4	<4	<4	<4	-	<4	-	<4	<4	-	<4
Hydrocarbons															
Oil and Grease	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	-	<1.0
Metals															
Aluminium (total)	-	-							-		-			-	
Aluminium (dissolved)	-	-	9	8	6	<5	82	17	-	6	-	9	<5	-	11
Arsenic (total)	-	-							-		-			-	
Arsenic (dissolved)	-	-	8.1	9.2	2.0	<0.2	2.2	2.5	-	2.3	-	4.4	1.8	-	0.9
Chromium (III+VI) (total)	-	-							-		-			-	
Chromium (III+VI) (dissolved)	-	-	1.8	6.8	<0.2	0.2	18.6	4.4	-	1.6	-	1.4	0.3	-	0.9
Copper (total)	-	-							-		-			-	
Copper (dissolved)	-	-	2.9	1.9	1.7	<0.5	1.1	0.9	-	0.8	-	0.9	1.1	-	1.5
Iron (total)	-	-							-		-			-	
Iron (dissolved)	-	-	3	3	4	<2	<2	<2	-	<2	-	<2	<2	-	37
Lead (total)	-	-							-		-			-	
Lead (dissolved)	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	-	<0.1
Manganese (total)	-	-							-		-			-	
Manganese (dissolved)	-	-	2.2	<0.5	1.3	2.9	<0.5	1.9	-	2.2	-	<0.5	0.6	-	7.2
Nickel (total)	-	-							-		-			-	
Nickel (dissolved)	-	-	1.8	1.7	0.9	4.7	<0.5	0.9	-	1.9	-	3.7	4.3	-	1.6
Silver (total)	-	-							-		-			-	
Silver (dissolved)	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	0.02	-	<0.01	<0.01	-	<0.01
Zinc (total)	-	-							-		-			-	
Zinc (dissolved)	-	-	<1	<1	<1	34	<1	<1	-	<1	-	<1	<1	-	<1

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	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
Field				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
pH	pH unit	-	6.5-8	7.62	7.7	9.81	9.57	9.6	9.63	6.27	9.94	9.61	7.9	7.58	7.55
Electrical Conductivity	µS/cm	-	20-30	86	61	34	32	32	32	29	34	35	41	34	36
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	200	198	111	134	131	133	215	113	132	223	186	184
Temperature	°C	-	No Water Quality Objective Value	23.17	22.99	16.71	17.81	17.7	17.6	16.79	16.85	17.68	21.05	22.69	22.62
Dissolved Oxygen	% saturation	-	90-110	82.5	83.3	94.3	92.5	72.1	86.5	93.8	95	83.5	99.7	99.4	94.2
Turbidity	NTU	-	1-20	1.1	4.6	43.2	58.2	45.4	50.0	5.8	48.3	39.4	8.3	16.9	21.9
Laboratory analytes															
Total Suspended Solids	mg/L	5	No Water Quality Objective Value	<5	<5	12	13	6	8	<5	14	6	<5	<5	<5
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	39	22	5	5	5	5	7	5	2	10	10	10
Nutrients															
Ammonia as N	µg/L	10	10	30	20	20	50	70	30	<10	20	150	80	60	20
Nitrite + Nitrate as N (NOx)	µg/L	10	10	<10	<10	<10	<10	<10	<10	30	<10	<10	<10	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	200	200	1,600	1,500	1,300	700	200	900	1,700	200	200	300
Nitrogen (Total)	µg/L	100	350	200	200	1,600	1,500	1,300	700	200	900	1,700	200	200	300
Reactive Phosphorus (filtered)	µg/L	10	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	<10	20	40	40	50	30	20	30	50	10	10	<10
Inorganics															
Cyanide Total	mg/L	0.004	0.007	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons															
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals															
Aluminium (dissolved)	µg/L	5	55	<5	<5	36	31	26	33	27	36	31	<5	<5	<5
Arsenic (dissolved)	µg/L	0.2	13	0.6	0.4	0.4	0.4	0.4	0.4	<0.2	0.4	0.4	0.2	0.3	0.3
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	32	22	282	170	149	195	115	275	153	9	6	8
Lead (dissolved)	µg/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5	<0.5	9.4	3.4	2.8	4.0	2.7	9.0	2.8	<0.5	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1
Biological															
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value	300	430	85	-	-	-	-	-	1	8,600	-	-
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value	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*	EPL41	EPL50
Flow				**04 Mar 2026**	**15 Mar 2026**
Volume	ML/day	-	4.32	0.37**	0.64**
Discharge Flow Rate	Litres per Second	-	50	<50	<50
Field					
pH	pH unit	-	6.5-8.5	7.98	7.02
Electrical Conductivity	µS/cm	-	700 (EPL 41) / 200 (EPL 50)	6	108
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	189	206
Temperature	°C	-	No Water Quality Objective Value	22.58	11.05
Dissolved Oxygen	% saturation	-	No Water Quality Objective Value	63.2	54.7
Turbidity	NTU	-	No Water Quality Objective Value	7.6	2.7
Laboratory analytes					
Total Suspended Solids	mg/L	5	5	<5	<5
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	<1	<1
Nutrients					
Ammonia as N	µg/L	10	1000	40	60
Nitrite + Nitrate as N (NOx)	µg/L	10	No Water Quality Objective Value	60	240
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	200
Nitrogen (Total)	µg/L	100	1500	<100	400
Reactive Phosphorus	µg/L	1	No Water Quality Objective Value	<10	<10
Phosphorus (Total)	µg/L	10	300	<10	<10
Inorganics					
Cyanide Total	µg/L	4	No Water Quality Objective Value	<4	<4
Hydrocarbons					
Oil and Grease	mg/L	1	2	<1.0	<1.0
Metals					
Aluminium (dissolved)	µg/L	5	55	<5	<5
Arsenic (dissolved)	µg/L	0.2	13	<0.2	<0.2
Chromium (III+VI) (dissolved)	µg/L	0.2	1	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	14	<0.5	<0.5
Iron (dissolved)	µg/L	2	300	<2	<2
Lead (dissolved)	µg/L	0.1	3.4	<0.1	<0.1
Manganese (dissolved)	µg/L	0.5	1,900	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5	<0.5
Silver (dissolved)	µg/L	0.01	0.05	<0.01	<0.01
Zinc (dissolved)	µg/L	1	8	<1	<1
Biological					
Faecal Coliforms	CFU/100mL	1	10	1	<1
Biochemical Oxygen Demand	mg/L	2	3.5	<2	<2

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

** Flow rates recorded via EPL43 and 50

Snowy Hydro 2.0 Main Works

Monthly EPL Sampling: 01-31 March 2026 - Volumes

Date	EPL 43	EPL 50
	Discharge volume (Megalitres)	
1/3/2026	-	-
2/03/2026	0.61	0.59
3/03/2026	-	0.93
4/03/2026	0.37	0.50
5/03/2026	0.43	0.45
6/03/2026	0.58	0.23
7/03/2026	-	0.40
8/03/2026	0.32	-
9/03/2026	0.41	0.39
10/03/2026	-	-
11/03/2026	0.39	0.34
12/03/2026	-	-
13/03/2026	-	-
14/03/2026	0.38	0.18
15/03/2026	0.55	-
16/03/2026	-	0.14
17/03/2026	0.32	0.05
18/03/2026	-	-
19/03/2026	0.45	0.19
20/03/2026	-	0.20
21/03/2026	0.51	0.19
22/03/2026	0.49	-
23/03/2026	0.35	0.46
24/03/2026	0.57	0.35
25/03/2026	-	0.46
26/03/2026	-	0.50
27/03/2026	-	0.52
28/03/2026	0.58	0.51
29/03/2026	0.62	0.57
30/03/2026	0.19	0.37
31/03/2026	-	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.

EPL 21266 In Situ Water Quality Measurements

EPL Monthly Monitoring March 2026

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.	GF01 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.

Future Generation
Webuild • Clough • Lane

EPL 21266 In Situ Water Quality Measurements

EPL Monthly Monitoring March 2026

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.

Snowy 2.0 Environmental Protection License Water Quality Results

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.

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

Analyte	Unit	Limit of Reporting	Water Quality Objectives	EPL4	EPL25	EPL56	EPL57	EPL58	EPL64	EPL65	EPL66	EPL68	EPL69	EPL70	EPL72
Physiochemical				-	-	14/04/2026	14/04/2026	14/04/2026	11/04/2026	11/04/2026	11/04/2026	25/04/2026	25/04/2026	25/04/2026	11/04/2026
pH	pH Unit	-	6.5-8	-	-	6.66	7.35	6.02	6.56	-	5.5	5.44	5.12	3.44	5.81
Electrical Conductivity	µS/cm	-	30-350	-	-	244	272	964	442	-	93	20	52	386	94
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	-	-	218	190	203	163	-	326	233	230	353	235
Temperature	°C	-	No Water Quality Objective Value	-	-	15.3	15.09	18.71	10.57	-	11.04	14.32	15.24	13.19	10.29
Dissolved Oxygen	% saturation	-	90-110	-	-	107.7	47.2	80.1	21	-	30.7	54	34.9	60.8	61.7
Turbidity	NTU	-	2 - 25	-	-	28	30.9	11	26.5	-	69.3	3.41	96.9	55.5	115
Laboratory analytes															
TSS	mg/L	5	No Water Quality Objective Value	-	-	<5	8	<5	<5	-	32	8	80	22	<5
Hardness as CaCO3	mg/L	1	No Water Quality Objective Value	-	-	141	136	342	238	-	41	<1	9	20	28
Nutrients															
Ammonia as N	µg/L	10	13	-	-	40	<10	20	100	-	50	<10	<10	<10	20
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	-	-	300	700	3,300	200	-	200	<100	200	<100	<100
Nitrate (as N)	µg/L	10	No Water Quality Objective Value	-	-	810	3,490	33,100	110	-	30	640	130	850	1,000
Nitrite (as N)	µg/L	10	No Water Quality Objective Value	-	-	<10	<10	<10	<10	-	<10	<10	<10	<10	<10
Nitrogen (Total)	µg/L	100	250	-	-	1,100	4,200	36,400	300	-	200	600	300	800	1,000
Reactive Phosphorus	µg/L	1	15	-	-	<10	<10	<10	10	-	10	<10	<10	<10	20
Phosphorus (Total)	µg/L	10	20	-	-	20	110	30	50	-	90	10	110	80	40
Inorganics															
Cyanide Total	µg/L	4	4	-	-	<4	<4	<4	<4	-	<4	<4	<4	<4	<4
Hydrocarbons															
Oil and Grease	mg/L	1	No Water Quality Objective Value	-	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0
Metals															
Aluminium (total)	µg/L	5	No Water Quality Objective Value	-	-	88	223	12	33	-	803	122	503	571	197
Aluminium (dissolved)	µg/L	5	27	-	-	<5	<5	<5	<5	-	<5	5	<5	<5	9
Arsenic (dissolved)	µg/L	0.2	0.8	-	-	<0.2	3.9	<0.2	7.9	-	<0.2	<0.2	<0.2	<0.2	<0.2
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	-	-	22,000	18,000	33,000	54,000	-	10,000	<1,000	2,000	3,000	3,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	-	-	0.4	1.0	0.5	0.4	-	4.9	0.7	0.6	0.4	1.0
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	-	-	<0.2	<0.2	0.3	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	1	-	-	0.6	4.9	6.4	3.4	-	6.8	1.5	3.6	6.5	3.9
Iron (total)	µg/L	2	No Water Quality Objective Value	-	-	105	220	11	49	-	859	139	360	271	250
Iron (dissolved)	µg/L	2	300	-	-	<2	<2	<2	<2	-	<2	3	<2	<2	<2
Lead (dissolved)	µg/L	0.1	1	-	-	<0.1	<0.1	0.3	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	-	-	21,000	22,000	63,000	25,000	-	4,000	<1,000	1,000	3,000	5,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	-	-	11.5	86.1	6.2	29.0	-	153	2.9	23.7	7.4	17.6
Manganese (dissolved)	µg/L	0.5	1,200	-	-	0.7	60.9	6.1	22.3	-	64.2	2.1	9.3	3.4	8.5
Nickel (dissolved)	µg/L	0.5	8	-	-	<0.5	<0.5	3.7	2.8	-	2.1	<0.5	0.5	<0.5	2.7
Zinc (dissolved)	µg/L	1	2.4	-	-	2	<1	7	2	-	2	3	2	1	9
Organic															
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	-	-	<1	<1	1	<1	-	<1	<1	<1	<1	<1

Analyte	EPL80	EPL81	EPL82	EPL83	EPL87	EPL88	EPL89	EPL 90	EPL 91	EPL92	EPL93	EPL94	EPL95	EPL97
Physiochemical	24/04/2026	27/04/2026	24/04/2026	24/04/2026	24/04/2026	24/04/2026	24/04/2026	14/04/2026	14/04/2026	15/04/2026	15/04/2026	15/04/2026	14/04/2026	15/04/2026
pH	6.94	6.7	6.63	6.97	6.87	6.8	7.24	5.82	6.72	6.64	7.08	6.79	6.33	6.5
Electrical Conductivity	920	898	2,760.00	782	1020	933	351	343	257	143	243	173	695	486
Oxidation Reduction Potential	32	-33	-63	131	119	-50	135	252	228	435	392	148	206	120
Temperature	18.97	14.31	19.77	17.2	16.68	17.34	17.68	17.24	14.5	13.38	13.76	14.69	18.78	15.21
Dissolved Oxygen	33.2	29.3	19.3	24.5	36.8	32.8	34.7	92.8	31.3	50.4	32.8	28.8	21.1	25.6
Turbidity	214	233	61	35	231	4.3	139	7	13.1	140	68.8	93	126	23.7
Laboratory analytes														
TSS	99	202	97	56	499	14	251	<5	14	629	25	101	60	120
Hardness as CaCO3	398	430	1,210	155	145	169	59	30	123	46	118	75	286	167
Nutrients														
Ammonia as N	70	100	100	10	40	310	30	<10	<10	<10	80	30	90	10
Kjeldahl Nitrogen Total	400	500	300	800	1,400	500	600	500	200	5,000	200	200	1,900	300
Nitrate (as N)	10	<10	<10	1,670	9,880	<10	100	4,600	60	30	30	<10	29,600	810
Nitrite (as N)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	50	20
Nitrogen (Total)	400	500	300	2,500	11,300	500	700	5,100	300	5,000	200	200	31,600	1,100
Reactive Phosphorus	<10	<10	<10	10	20	20	<10	<10	<10	<10	<10	<10	20	<10
Phosphorus (Total)	320	200	20	40	390	90	270	40	50	2,560	40	70	90	90
Inorganics														
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons														
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals														
Aluminium (total)	100	3,350	762	1,710	25,300	136	6,240	641	159	2,620	390	1,370	1,320	411
Aluminium (dissolved)	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	<5	<5
Arsenic (dissolved)	1.0	12.1	12.2	2.6	0.6	11.0	0.4	<0.2	<0.2	0.3	0.9	1.1	1.7	<0.2
Calcium (dissolved)	110,000	159,000	376,000	34,000	35,000	33,000	17,000	2,000	18,000	10,000	16,000	7,000	22,000	19,000
Chromium (III+VI) (total)	4.1	15.2	1.2	6.5	51.1	1.3	13.1	1.0	0.5	1.6	1.1	3.8	15.6	1.2
Chromium (III+VI) (dissolved)	<0.2	<0.2	<0.2	0.3	1.3	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
Copper (dissolved)	<0.5	<0.5	<0.5	353	5.8	1.8	8.3	1.9	<0.5	<0.5	<0.5	<0.5	74.5	<0.5
Iron (total)	41,300	9,250	5,260	1,920	33,300	1,330	8,230	528	490	1,150	581	4,970	1,820	798
Iron (dissolved)	15	1,490	1,030	<2	<2	8	2	9	<2	<2	<2	2	5	4
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium (dissolved)	30,000	8,000	65,000	17,000	14,000	21,000	4,000	6,000	19,000	5,000	19,000	14,000	56,000	29,000
Manganese (total)	272	321	467	106	501	318	119	18.2	680	237	144	375	661	616
Manganese (dissolved)	210	306	425	73.2	24.0	324	24.1	14.2	590	21.3	12.9	291	642	585
Nickel (dissolved)	21.5	3.2	1.2	13.7	6.6	3.9	2.7	4.0	1.2	1.3	<0.5	0.7	15.1	4.4
Zinc (dissolved)	1	2	1	7	<1	2	1	10	3	3	<1	6	67	65
Organic														
Dissolved Organic Carbon	1	2	2	<1	<1	2	2	2	<1	<1	<1	<1	<1	<1

Analyte	EPL103	EPL104	EPL105	EPL113	EPL114	EPL115	EPL116	EPL117	EPL123	EPL124	EPL125	EPL126	EPL127
Physiochemical	25/04/2026	25/04/2026	25/04/2026	24/04/2026	24/04/2026	24/04/2026	24/04/2026	24/04/2026	28/04/2026	28/04/2026	28/04/2026	28/04/2026	28/04/2026
pH	5.48	5.59	5.4	6.11	6.89	7.03	6.55	6.86	6.49	5.89	7.1	7.71	7.43
Electrical Conductivity	45	51	190	124	337	317	109	155	24	24	99	346	195
Oxidation Reduction Potential	221	215	232	216	140	177	108	-39	222	245	139	109	183
Temperature	15.24	15.13	15.05	13.29	13.98	14.55	15.27	15.64	13.54	14.24	14.12	13.15	12.37
Dissolved Oxygen	47.3	44	43.4	50	13	20.3	60.2	32.5	49.4	63.5	42.2	32.2	44.6
Turbidity	2.8	10	18.1	106	61.7	31.4	1,000	17.9	574	1000	91.1	935	89
Laboratory analytes													
TSS	<5	6	<5	28	<5	14	736	22	636	3,980	39	274	20
Hardness as CaCO3	2	13	57	36	186	163	36	43	<1	<1	36	23	31
Nutrients													
Ammonia as N	110	<10	<10	20	30	<10	<10	20	10	<10	<10	30	<10
Kjeldahl Nitrogen Total	200	<100	400	200	<100	<100	300	<100	600	1,000	<100	200	<100
Nitrate (as N)	870	430	3,070	50	80	<10	100	10	530	390	60	<10	90
Nitrite (as N)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrogen (Total)	1,100	400	3,500	200	<100	<100	400	<100	1,100	1,400	<100	200	<100
Reactive Phosphorus	10	<10	<10	<10	<10	<10	<10	30	<10	<10	50	50	<10
Phosphorus (Total)	10	<10	<10	<10	<10	<10	290	330	590	1,000	110	390	60
Inorganics													
Cyanide Total	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons													
Oil and Grease	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals													
Aluminium (total)	84	234	106	1,750	94	175	11,500	190	8,100	14,600	280	2,920	156
Aluminium (dissolved)	<5	<5	<5	12	<5	<5	<5	<5	10	8	<5	<5	<5
Arsenic (dissolved)	<0.2	<0.2	<0.2	0.4	0.3	0.3	0.4	1.0	<0.2	<0.2	0.6	1.4	0.3
Calcium (dissolved)	1,000	2,000	8,000	11,000	63,000	52,000	11,000	4,000	<1,000	<1,000	3,000	6,000	6,000
Chromium (III+VI) (total)	0.3	0.7	0.7	1.6	1.1	0.5	8.4	1.0	8.8	14.8	0.4	1.2	0.3
Chromium (III+VI) (dissolved)	<0.2	0.2	0.4	<0.2	0.5	<0.2	0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2
Copper (dissolved)	9.4	0.6	<0.5	138	1.2	<0.5	4.6	<0.5	5.9	16.2	38.3	<0.5	73.2
Iron (total)	65	190	101	785	84	164	11,100	5,230	10,400	14,300	140	964	105
Iron (dissolved)	<2	<2	<2	14	<2	<2	<2	<2	<2	<2	<2	<2	<2
Lead (dissolved)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium (dissolved)	<1,000	2,000	9,000	2,000	7,000	8,000	2,000	8,000	<1,000	<1,000	7,000	2,000	4,000
Manganese (total)	4.0	7.3	15.2	30.4	53.4	226	760	557	145	245	1.6	552	5.1
Manganese (dissolved)	1.5	3.3	13.8	13.7	7.7	152	12.8	456	20.9	17.3	<0.5	392	2.1
Nickel (dissolved)	<0.5	<0.5	4.3	2.4	<0.5	0.9	0.8	3.0	1.8	1.3	1.0	1.4	2.8
Zinc (dissolved)	<1	<1	188	4	4	<1	5	<1	4	5	<1	<1	2
Organic													
Dissolved Organic Carbon	<1	<1	<1	3	<1	2	<1	<1	<1	<1	<1	7	<1

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	EPL10	EPL11	EPL28	EPL29	EPL32	EPL38	EPL39	EPL40	EPL51	EPL107	EPL108	EPL109
Field				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
pH	pH Unit	-	6.5-8	7.51	7.67	7.56	7.6	7.44	7.71	6.31	7.43	7.66	7.63	7.77	7.88
Electrical Conductivity	µS/cm	-	20-30	56	56	29	27	28	31	25	29	31	43	36	37
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	161	152	199	204	208	170	182	208	204	146	136	117
Temperature	°C	-	No Water Quality Objective Value	18.28	18.58	9.55	11.65	11.63	10.58	13.53	9.71	11.44	17.91	18.01	17.87
Dissolved Oxygen	% saturation	-	90-110	92.7	93.2	80.1	83.5	78.9	73.4	77.1	83.8	78.2	86	90	88.6
Turbidity	NTU	-	1-20	1.6	2.1	9.9	3.9	2.5	50.3	2.04	7.5	3.3	1.6	0.9	0.1
Laboratory analytes															
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	8	<5	<5	<5	<5	9	<5	<5	<5	<5
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	26	26	9	9	9	9	7	9	9	17	14	14
Nutrients															
Ammonia as N	µg/L	10	10	<10	<10	90	250	260	230	<10	110	290	10	<10	<10
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	300	200	400	900	800	900	<100	500	800	200	200	200
Nitrate (as N)	µg/L	10	No Water Quality Objective Value	10	20	20	30	60	40	40	20	40	20	<10	<10
Nitrite (as N)	µg/L	10	No Water Quality Objective Value	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrogen (Total)	µg/L	100	350	300	200	400	900	900	900	<100	500	800	200	200	200
Reactive Phosphorus	µg/L	10	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phosphorus (Total)	µg/L	10	10	20	<10	90	40	70	50	<10	60	50	<10	<10	<10
Inorganics															
Cyanide Total	µg/L	4	7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hydrocarbons															
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Metals															
Aluminium (total)	µg/L	5	No Water Quality Objective Value	41	57	273	93	113	106	153	306	92	43	39	32
Aluminium (dissolved)	µg/L	5	55	5	6	29	46	45	45	13	31	46	<5	<5	<5
Arsenic (dissolved)	µg/L	0.2	13	0.4	0.4	0.3	0.4	0.4	0.4	<0.2	0.3	0.4	0.3	0.3	0.3
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	7,000	7,000	2,000	2,000	2,000	2,000	1,000	2,000	2,000	5,000	4,000	4,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	0.3	0.4	<0.2	<0.2	<0.2	<0.2
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper (dissolved)	µg/L	0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron (total)	µg/L	2	No Water Quality Objective Value	68	98	592	315	350	316	174	656	318	55	37	38
Iron (dissolved)	µg/L	2	300	21	16	245	185	180	186	68	257	183	15	11	11
Lead (dissolved)	µg/L	0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	5.4	5.5	71.2	39.4	41.9	39.5	3.3	75.2	40.4	5.0	3.5	3.6
Manganese (dissolved)	µg/L	0.5	1,900	1.2	<0.5	55.5	2.6	4.4	7.5	1.2	55.8	2.6	0.5	<0.5	<0.5
Nickel (dissolved)	µg/L	0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zinc (dissolved)	µg/L	1	8	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Biological															
Biochemical Oxygen Demand	mg/L	2	No Water Quality Objective Value	<2	2	4						2			
Chlorophyll a	µg/L	1	No Water Quality Objective Value	3	1	4	11	15	16	<1	5	18	<1	<1	<1
Faecal Coliforms	CFU/100mL	1	No Water Quality Objective Value	21	22	10						<1			
Organic															
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	2	2	3	4	4	4	2	4	4	3	2	2

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

Analyte	Unit	Limit of Reporting	Water Quality Objectives	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	EPL98	EPL99	EPL100	EPL101	EPL106	EPL110	EPL118	EPL119	EPL120	EPL122
Field				25/04/2026	25/04/2026	25/04/2026	25/04/2026	25/04/2026	25/04/2026	25/04/2026	25/04/2026	14/04/2026	11/04/2026	11/04/2026	12/04/2026	12/04/2026	12/04/2026	12/04/2026	12/04/2026	12/04/2026	28/04/2026	28/04/2026	14/04/2026	14/04/2026	-	11/04/2026	-	26/04/2026	25/04/2026	26/04/2026	14/04/2026	25/04/2026	28/04/2026	25/04/2026	9/04/2026	7/04/2026	18/04/2026	14/04/2026	14/04/2026	14/04/2026
pH	pH Unit	-	6.5-8.0	7.77	7.98	7.96	8.06	7.9	8.12	8.13	8.07	6.73	7.4	7.89	6.82	6.79	6.63	7.04	6.9	7.33	7.89	6.85	7.27	-	6.97	-	8.05	8.61	8.53	6.12	8.42	8.43	8.6	7.88	-	8.48	8.49	-	7.15
Electrical Conductivity	µS/cm	-	30-350	137	89	147	148	178	139	145	147	653	36	51	55	31	36	27	25	36	50	1,540.00	1360	-	381	-	402.00	467.00	1,010.00	1700	467	881	996	2,450.00	-	1,820.00	1,570.00	-	666
Oxidation Reduction Potential	mV	-	No Water Quality Objective Value	95	109	134	135	85	110	122	137	213	166	143	137	160	94	193	95	159	185	170	158	-	170	-	152	142.00	157.00	204	102	115	112	194	-	158	159	-	203
Temperature	°C	-	No Water Quality Objective Value	8.09	6.62	9.33	9.26	8.15	9.14	9.25	9.54	12.48	11.04	10.79	6.81	8.08	11.13	2.88	5.16	11.16	14.52	18.99	18.89	-	11.51	-	10.87	11.15	17.25	17.32	9.8	9.07	9.11	18.93	-	17.91	16.62	-	12.77
Dissolved Oxygen	% saturation	-	90-110	97.5	89.4	104.1	101.7	108.3	107.8	92.4	109.1	80.4	92.8	85.1	75.6	63.8	69.8	86.9	69.7	66.1	68.2	71.2	65.7	-	81.8	-	80.6	90.4	85.2	62.9	77.5	68.3	63.7	80.2	-	87.3	70.7	-	103.1
Turbidity	NTU	-	2-2.5	0.9	0.5	0.9	0.79	2.5	0.96	0.8	0.73	12.7	0.9	15.8	15.1	3.4	18.6	16.8	9.3	1.2	2	19.8	2.4	-	198	-	428	1,000.00	98.50	0.3	117	30.3	35.9	89	-	3.2	5.1	-	13.9
Laboratory analytes																																							
Total suspended solids	mg/L	5	No Water Quality Objective Value	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	16	5	-	23	-	226	170	20	<5	65	25	10	<5		8	9	-	8
Hardness as $CaCO_3$	mg/L	1	No Water Quality Objective Value	63	36	63	65	63	61	61	65	195	12	12	16	9	9	7	7	11	13	534	496	-	108	-	61	61	269	646	160	296	290	696		641	423	-	145
Nutrients																																							
Ammonia as N	µg/L	10	13	20	<10	<10	<10	<10	<10	70	30	10	20	60	30	170	390	30	10	<10	<10	20	30	-	60	-	50	70	<10	40	3,380	110	190	260	-	20	<10	-	20
Kjeldahl Nitrogen Total	µg/L	100	No Water Quality Objective Value	<100	<100	200	<100	<100	100	400	<100	1,600	100	200	200	200	1,000	100	200	100	200	1,200	100	-	600	-	1,300	1,300	1,700	2,400	4,100	3,200	4,300	5,100		500	300	-	900
Nitrate (as N)	µg/L	10	No Water Quality Objective Value	<10	<10	50	20	40	40	50	40	18,200	50	<10	50	<10	40	<10	10	10	<10	50,300	40,400	-	6,430	-	2,610	2,850	4,690	63,700	7,050	24,400	27,900	89,700	-	1,170	<10	-	11,500
Nitrite (as N)	µg/L	10	No Water Quality Objective Value	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	160	<10	-	<10	-	<10	<10	30	<10	150	200	120	620		70	<10	-	<10
Nitrogen (Total)	µg/L	100	250	<100	<100	200	<100	<100	100	400	<100	21,800	200	200	200	200	1,000	100	200	100	200	51,600	40,500	-	7,000	-	3,900	4,200	6,400	66,100	11,500	27,800	32,300	95,400	-	1,700	300	-	12,400
Reactive Phosphorus	µg/L	10	15	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	-	30	30	<10	<10	<10	<10	<10	<10		<10	<10	-	<10
Phosphorus (Total)	µg/L	10	20	40	30	20	30	<10	20	80	30	60	50	60	30	20	50	20	80	20	<10	40	<10	-	210	-	270	210	60	<10	80	80	30	40		30	20	-	80
Inorganics																																							
Cyanide Total	µg/L	4	4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	-	<4	-	<4	<4	<4	<4	<4	11	<4	4	<4		<4	<4	-	<4
Hydrocarbons																																							
Oil and Grease	mg/L	1	No Water Quality Objective Value	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	-	<1.0
Metals																																							
Aluminium (total)	µg/L	5	No Water Quality Objective Value	117	12	32	21	18	29	22	24	473	62	62	283	118	73	371	368	119	297	542	96	-	1,460	-	13,000	8,140	609	<5	1,680	638	106	76	-	736	250	-	505
Aluminium (dissolved)	µg/L	5	27	<5	<5	<5	<5	<5	<5	<5	<5	17	12	13	17	22	38	22	25	13	27	<5	<5	-	<5	-	12	14	<5	<5	<5	9	9	6	-	9	7	-	<5
Arsenic (dissolved)	µg/L	0.2	5	0.6	0.2	0.5	0.6	0.6	0.5	0.5	0.6	<0.2	<0.2	<0.2	<0.2	<0.2	0.8	0.2	<0.2	<0.2	0.2	1.2	0.3	-	0.3	-	5.6	9.7	3.1	<0.2	6.7	2.9	2.7	2.3	-	4.0	1.5	-	<0.2
Calcium (dissolved)	µg/L	1000	No Water Quality Objective Value	22,000	11,000	22,000	21,000	22,000	21,000	21,000	21,000	22,000	3,000	3,000	5,000	2,000	2,000	1,000	1,000	1,000	2,000	77,000	75,000	-	25,000	-	16,000	18,000	50,000	87,000	41,000	89,000	88,000	104,000	-	61,000	59,000	-	15,000
Chromium (III+VI) (total)	µg/L	0.2	No Water Quality Objective Value	0.4	<0.2	0.4	0.3	0.3	0.4	0.4	0.4	1.1	0.5	0.3	0.6	0.3	<0.2	0.6	0.6	0.3	0.5	1.8	0.7	-	4.4	-	31.5	35.9	3.7	0.3	6.7	18.6	18.1	2.6	-	2.0	0.5	-	1.0
Chromium (III+VI) (dissolved)	µg/L	0.2	0.01	0.2	<0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	0.5	-	1.4	-	2.5	16.7	2.3	0.3	1.7	16.5	15.5	2.5	-	1.3	0.3	-	0.2
Copper (dissolved)	µg/L	0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	0.6	-	2.6	1.5	2.1	<0.5	1.0	1.0	0.9	0.6	-	<0.5	<0.5	-	0.6
Iron (total)	µg/L	2	No Water Quality Objective Value	114	25	33	31	40	33	24	33	470	98	93	101	145	337	155	380	231	312	606	101	-	1,890	-	16,100	9,930	714	2	2,280	765	795	53	-	169	138	-	423
Iron (dissolved)	µg/L	2	300	9	14	8	13	19	7	8	12	56	21	19	60	49	222	80	94	63	83	<2	<2	-	7	-	4	7	5	<2	<2	<2	<2	<2	-	<2	<2	-	6
Lead (dissolved)	µg/L	0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	<0.1
Magnesium (dissolved)	µg/L	1000	No Water Quality Objective Value	2,000	2,000	2,000	3,000	2,000	2,000	2,000	3,000	34,000	1,000	1,000	2,000	1,000	1,000	1,000	1,000	2,000	2,000	83,000	75,000	-	11,000	-	5,000	4,000	35,000	104,000	14,000	18,000	17,000	106,000	-	70,000	67,000	-	26,000
Manganese (total)	µg/L	0.5	No Water Quality Objective Value	7.8	3.7	2.6	6.3	7.9	2.4	2.6	5.2	50.1	3.6	3.0	7.8	4.0	34.1	7.8	9.4	29.8	8.6	40.4	3.2	-	66.5	-	332	199	42.0	5.2	106	40.7	11.3	13.7	-	3.9	5.8	-	13.5
Manganese (dissolved)	µg/L	0.5	1,200	1.4	3.7	1.6	6.0	7.4	0.6	1.6	4.6	40.4	1.9	1.4	1.5	1.6	2.5	6.5	4.9	27.0	1.9	20.4	1.5	-	24.7	-	2.7	<0.5	2.6	5.1	34.5	7.1	5.2	<0.5	-	<0.5	<0.5	-	7.1
Nickel (dissolved)	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	0.7	-	1.0	-	1.6	1.4	1.0	4.0	<0.5	0.9	0.9	4.2	-	3.3	3.3	-	1.0
Zinc (dissolved)	µg/L	1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	-	<1	-	<1	<1	<1	36	<1	<1	<1	<1	-	<1	<1	-	<1
Biological																																							
Chlorophyll a	µg/L	1	No Water Quality Objective Value	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	2	<1	-	1	-	<5	43	9	<1	1	3	<1	3	-	7	2	-	<1
Organic																																							
Dissolved Organic Carbon	mg/L	1	No Water Quality Objective Value	1	2	2	2	2	3	2	2	3	<1	3	2	2	4	3	3	1	2	2	2	-	2	-	3	3	5	3	1	2	4	3	-	4	3	-	2

Snowy Hydro 2.0 Main Works

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

Analyte	Unit	Limit of Reporting	Water Quality Objectives / EPL Discharge Limits*	EPL 41	EPL 50
				12/04/2026	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

S2-ENV-WA-GEN-DAT-FGJV0128[A]

EPL 21266 In Situ Water Quality Measurements

Table 1 - Surface Water Quality Data
River and Minor Watercourses

EPL Monthly In-Situ Monitoring April 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
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 Arpil 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 quiality 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 quiality 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 quiality 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 quiality recorded is reflective of leachate captured during the reporting period.
14/04/2026 14:13	EPL98	Rock blanket diversion monitoring under GFO1 liner	17.32	62.9	6.01	1,700	1,090	6.12	204	0.3	Sunny day, clear water, algae growing in the sourronding area, no odour	This location is a leachate water storage basin. Water quiality 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 quiality 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 quiality 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 quiality 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 quiality 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 quiality 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 quiality 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	GFO1 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 upgraadient 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 PSE) 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 ocurring 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	Physiochemcial 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 ocurring 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 emplcaement 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 emplcaement 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 emplcaement 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 emplcaement 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 emplcaement 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 emplcaement 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 emplcaement 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.

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EPL Locations

GF01

Legend

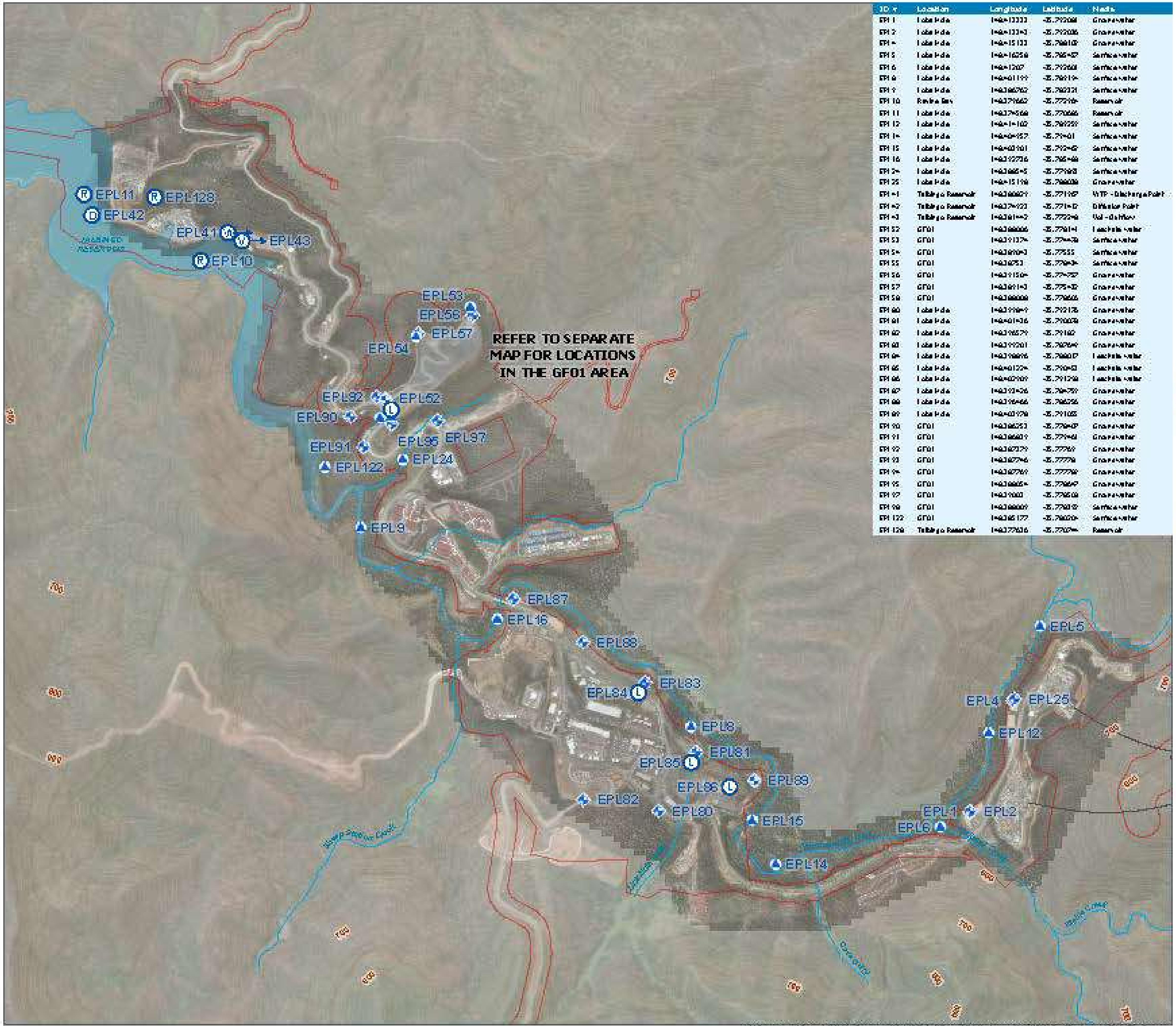
- Groundwater
- Surface water
- Leachate water
- Construction Envelope
- Access / Construction Tunnel
- Hydraulic Tunnel
- Primary Road
- Arterial Road
- Drainage
- Major Contour (50m)

ID #	Location	Longitude	Latitude	Media
EPL24	Lobs Hole	148.388545	-35.779893	Surface water
EPL52	GF01	148.388006	-35.778141	Leachate water
EPL53	GF01	148.391374	-35.774478	Surface water
EPL54	GF01	148.389043	-35.77555	Surface water
EPL55	GF01	148.38753	-35.778434	Surface water
EPL56	GF01	148.391504	-35.774757	Groundwater
EPL57	GF01	148.389143	-35.775432	Groundwater
EPL58	GF01	148.388008	-35.778606	Groundwater
EPL90	GF01	148.386253	-35.778407	Groundwater
EPL91	GF01	148.386839	-35.779461	Groundwater
EPL92	GF01	148.387379	-35.77769	Groundwater
EPL93	GF01	148.387746	-35.77778	Groundwater
EPL94	GF01	148.387769	-35.777789	Groundwater
EPL95	GF01	148.388054	-35.778647	Groundwater
EPL97	GF01	148.39003	-35.778508	Groundwater
EPL98	GF01	148.388009	-35.778392	Surface water
EPL122	GF01	148.385177	-35.780204	Surface water

Prepared by: Karen Zhu
Date: 9/03/2026

0 50 100 150 Meters

Spatial Reference: WGS84



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EPL 4	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 5	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 6	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 8	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 9	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 10	Ravine Bay	[illegible]	[illegible]	Reservoir
EPL 11	Lobs Hole	[illegible]	[illegible]	Reservoir
EPL 12	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 14	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 15	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 16	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 24	Lobs Hole	[illegible]	[illegible]	Surface water
EPL 25	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 41	Talbingo Reservoir	[illegible]	[illegible]	WTP - Discharge Point
EPL 42	Talbingo Reservoir	[illegible]	[illegible]	Diffusion Point
EPL 43	Talbingo Reservoir	[illegible]	[illegible]	Vol - Outflow
EPL 52	GF01	[illegible]	[illegible]	Leachate water
EPL 53	GF01	[illegible]	[illegible]	Surface water
EPL 54	GF01	[illegible]	[illegible]	Surface water
EPL 55	GF01	[illegible]	[illegible]	Surface water
EPL 56	GF01	[illegible]	[illegible]	Groundwater
EPL 57	GF01	[illegible]	[illegible]	Groundwater
EPL 58	GF01	[illegible]	[illegible]	Groundwater
EPL 80	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 81	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 82	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 83	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 84	Lobs Hole	[illegible]	[illegible]	Leachate water
EPL 85	Lobs Hole	[illegible]	[illegible]	Leachate water
EPL 86	Lobs Hole	[illegible]	[illegible]	Leachate water
EPL 87	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 88	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 89	Lobs Hole	[illegible]	[illegible]	Groundwater
EPL 90	GF01	[illegible]	[illegible]	Groundwater
EPL 91	GF01	[illegible]	[illegible]	Groundwater
EPL 92	GF01	[illegible]	[illegible]	Groundwater
EPL 93	GF01	[illegible]	[illegible]	Groundwater
EPL 94	GF01	[illegible]	[illegible]	Groundwater
EPL 95	GF01	[illegible]	[illegible]	Groundwater
EPL 97	GF01	[illegible]	[illegible]	Groundwater
EPL 98	GF01	[illegible]	[illegible]	Surface water
EPL 122	GF01	[illegible]	[illegible]	Surface water
EPL 128	Talbingo Reservoir	[illegible]	[illegible]	Reservoir

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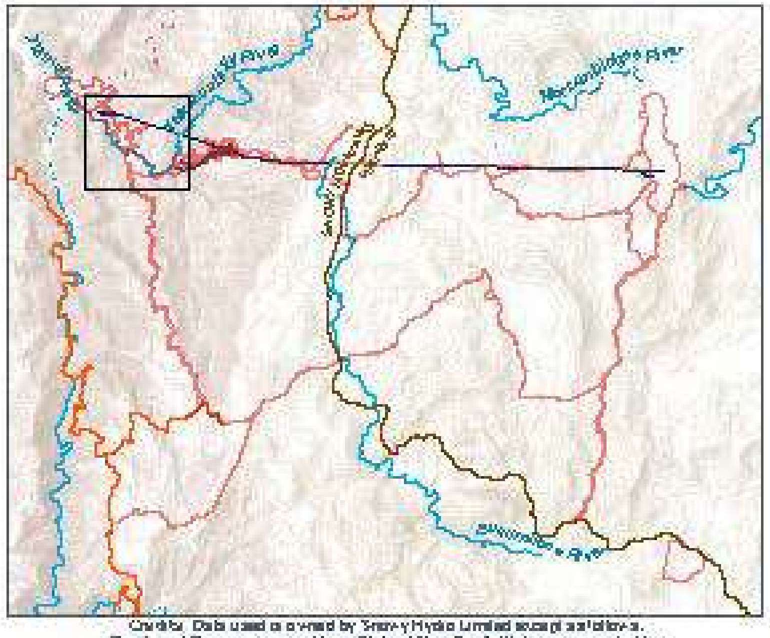
EPL Locations

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)



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Prepared by: Karen Zhu
Date: 9/03/2026

0 250 500 750 1,000 m

Spatial Reference: WGS84

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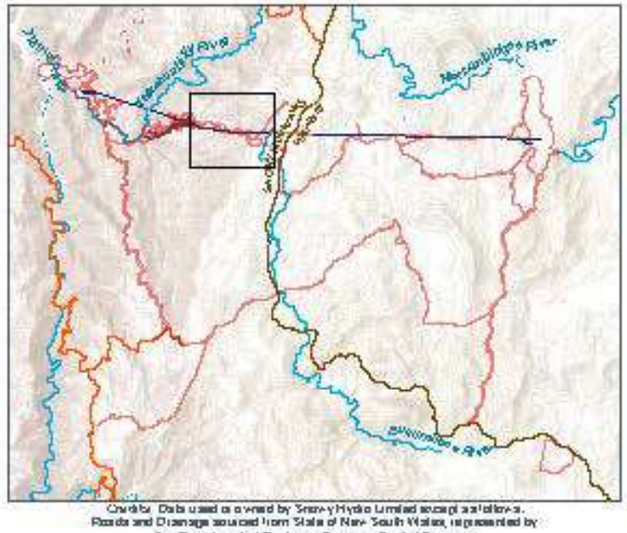
EPL Locations

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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Date: 9/03/2026

N

0 300 600 900 Meters

Spatial Reference: WGS84

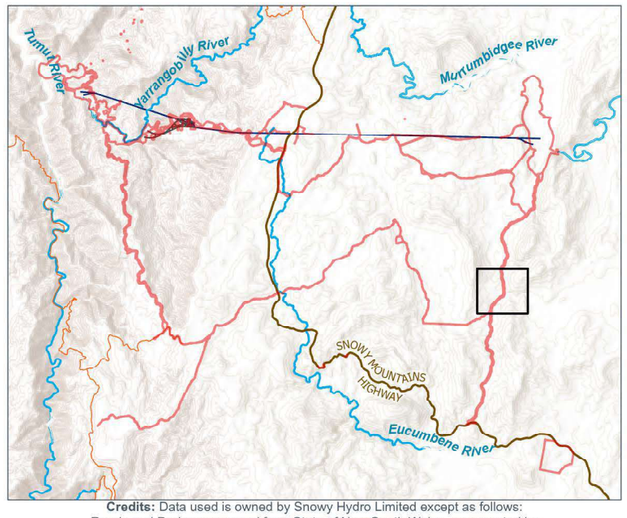
EPL Locations

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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Date: 15/01/2026

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0 250 500 750 m

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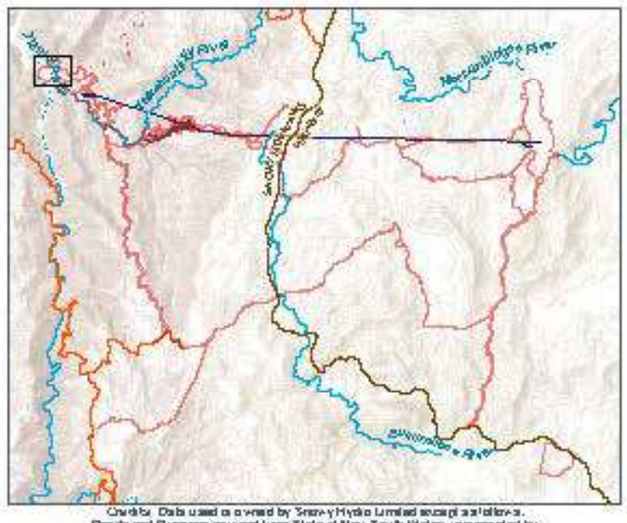
EPL Locations

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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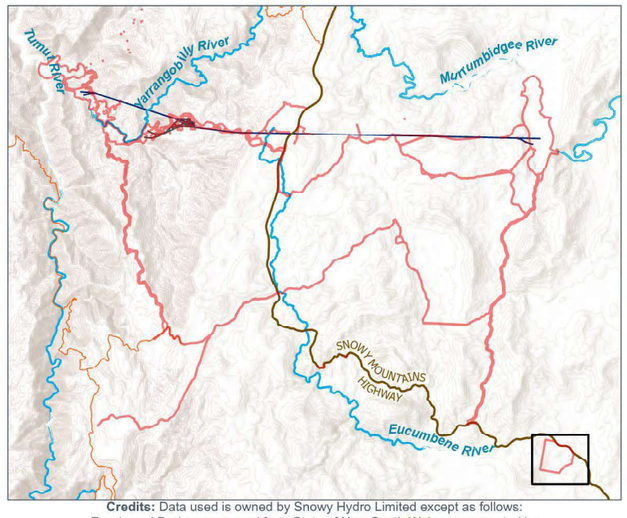
EPL Locations

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



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Date: 15/01/2026

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Spatial Reference: WGS84

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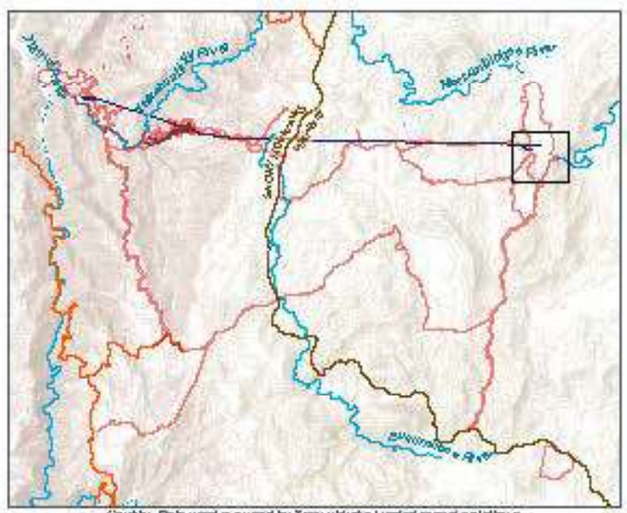
EPL Locations

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)

EPL ID	Location	Longitude	Latitude	Media
EPL29	Tantangara	148.632978	-35.795059	Reservoir
EPL50	Tantangara	148.632081	-35.801582	Surface water
EPL51	Tantangara	148.648474	-35.808515	Surface water
EPL52	Tantangara	148.633771	-35.799304	Reservoir
EPL55	Tantangara	148.664114	-35.795517	Surface water
EPL46	Tantangara	148.653	-35.795	Diffusion Point
EPL30	Tantangara Reservoir	148.651	-35.791	WTP - Discharge Point
EPL31	Tantangara	148.639112	-35.794439	Reservoir
EPL129	Tantangara Reservoir	148.653712	-35.795106	Reservoir



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Date: 9/03/2026

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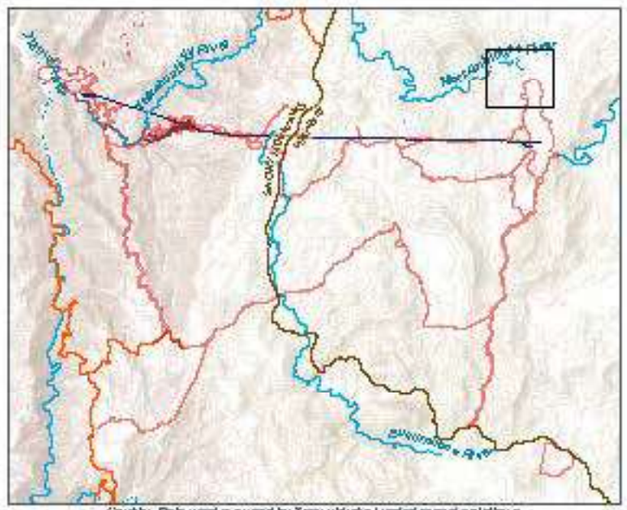
EPL Locations

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	148.65.2807	-35.747597	Reservoir
EPL58	Tantangara	148.65.2978	-35.769488	Reservoir
EPL39	Tantangara	148.652517	-35.761215	Surface water
EPL40	Tantangara	148.62.2854	-35.754804	Surface water
EPL59	Tantangara	148.64.9485	-35.761387	Leachate water
EPL60	Tantangara	148.64.9475	-35.760.587	Leachate water
EPL61	Tantangara	148.64.9002	-35.760057	Leachate water
EPL62	Tantangara	148.64.9205	-35.761685	Leachate water
EPL65	Tantangara	148.64.9257	-35.762985	Leachate water
EPL67	Tantangara	148.64.9215	-35.759875	Leachate water
EPL68	Tantangara	148.64.9412	-35.760452	Groundwater
EPL69	Tantangara	148.64.9502	-35.762842	Groundwater
EPL70	Tantangara	148.64.9177	-35.763387	Groundwater
EPL105	Tantangara	148.64.9587	-35.763424	Groundwater
EPL104	Tantangara	148.64.9455	-35.766357	Groundwater
EPL103	Tantangara	148.64.9441	-35.766.25	Groundwater



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Roads and Drainage sourced from State of New South Wales, represented by the Department of Customs Services, Spatial Services
Vantor, Esri, Geoscience Australia, NASA, NGA, USGS
Scale not All pages are not shown

Prepared by: Karen Zhu
Date: 9/03/2026

0 250 500 750 m

Spatial Reference: WGS84