



JUNE 2026

MONTHLY CONSTRUCTION WATER QUALITY MONITORING REPORT

June 2026

Project No.: 3200-0645

Project: Transgrid Maragle 500/330 kV Substation

Private & Confidential

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ABBREVIATIONS

Acronym	Full Form
°C	degrees Celsius
µS/cm	micro-Siemens per centimetre
%	percent
4WD	Four wheel drive
Ag	Silver
Al	Aluminium
ALS	ALS Limited
ANZECC	Australian and New Zealand Environment and Conservation Council
ANZG	Australian and New Zealand Guidelines
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand
As	Arsenic
Baseline Report	'Baseline Water Quality Report' (NGH, 2024)
CaCO ₃	Total Hardness
Cd	Cadmium
COA	'Certificate of Analysis' (ALS, 2025a)
COC	Chain of Custody
Cr	Chromium
Cu	Copper
DGV	Default Guideline Values
DO	Dissolved Oxygen
EC	Electrical Conductivity
EIS	Environmental Impact Statement
EPL	Environmental Protection Licence
Fe	Iron
Field Sheet	'Water Quality Monitoring Field Data Sheet' (UGL, 2025)
Hg	Mercury
km	kilometres
KNP	Kosciuszko National Park
kV	kilovolt
LOR	limit of reporting
mg/L	milligram per litre
mm	millimetre
Mn	Manganese
mV	millivolt
NATA	National Association of Testing Authorities, Australia

ABBREVIATIONS

Acronym	Full Form
NEM	National Energy Market
NGH	NGH Pty Ltd
Ni	Nickel
NSW	New South Wales
NTU	Nephelometric Turbidity Unit
Pb	Lead
ppm	parts per million
Pty Ltd	Proprietary Limited
QA/QC Assessment	'QA/QC Compliance Assessment to assist with Quality Review' (ALS, 2025b)
QCR	'Quality Control Report' (ALS, 2025c)
RP	reactive phosphorus
RS	Reference Site
Snowy 2.0	Snowy Scheme expansion project (EPBC 2018/8322)
Snowy Hydro	Snowy Hydro Limited
Snowy Scheme	Snowy Mountains Hydro-electric Scheme
SPC	specific conductance
SSGV	Site Specific Guideline Values
SW	surface water
SWQ	surface water quality
TDS	Total Dissolved Solids
The Methodology	'Pre-construction Water Quality Monitoring Program and Methodology' (NGH, 2022)
The Project	Construction of a 330 kV substation and overhead transmission lines between Nurenmerenmong, NSW and Cabramurra, NSW
TKN	Total Kjeldahl Nitrogen
TN	Total Nitrogen
TP	Total Phosphorus
Transgrid	The Trustee for the NSW Electricity Operations Trust
TSS	Total Suspended Solids
UGL	UGL Limited
WQO	water quality objectives
Zn	Zinc

1 BACKGROUND

In 2020 Snowy Hydro Limited (Snowy Hydro) obtained approval (EPBC 2018/8322) to expand the existing Snowy Mountains Hydro-electric Scheme (Snowy Scheme), by linking the existing Tantangara and Talbingo reservoirs through a series of underground tunnels and constructing a new underground hydro-electric power station (Snowy 2.0).

To connect Snowy 2.0 to the National Energy Market (NEM), a new transmission connection was required. The Trustee for the New South Wales (NSW) Electricity Operations Trust (TransGrid) is constructing a 330 kilovolt (kV) substation and overhead transmission lines (the Project) to facilitate the connection of Snowy 2.0 to the existing electrical transmission network. The Project is located within Kosciuszko National Park (KNP) between Nurenmerenmong and Cabramurra, NSW, approximately 27 kilometres (km) east of Tumbarumba, NSW (Figure 1). UGL Limited (UGL) has been engaged on behalf of Transgrid to undertake the Project.

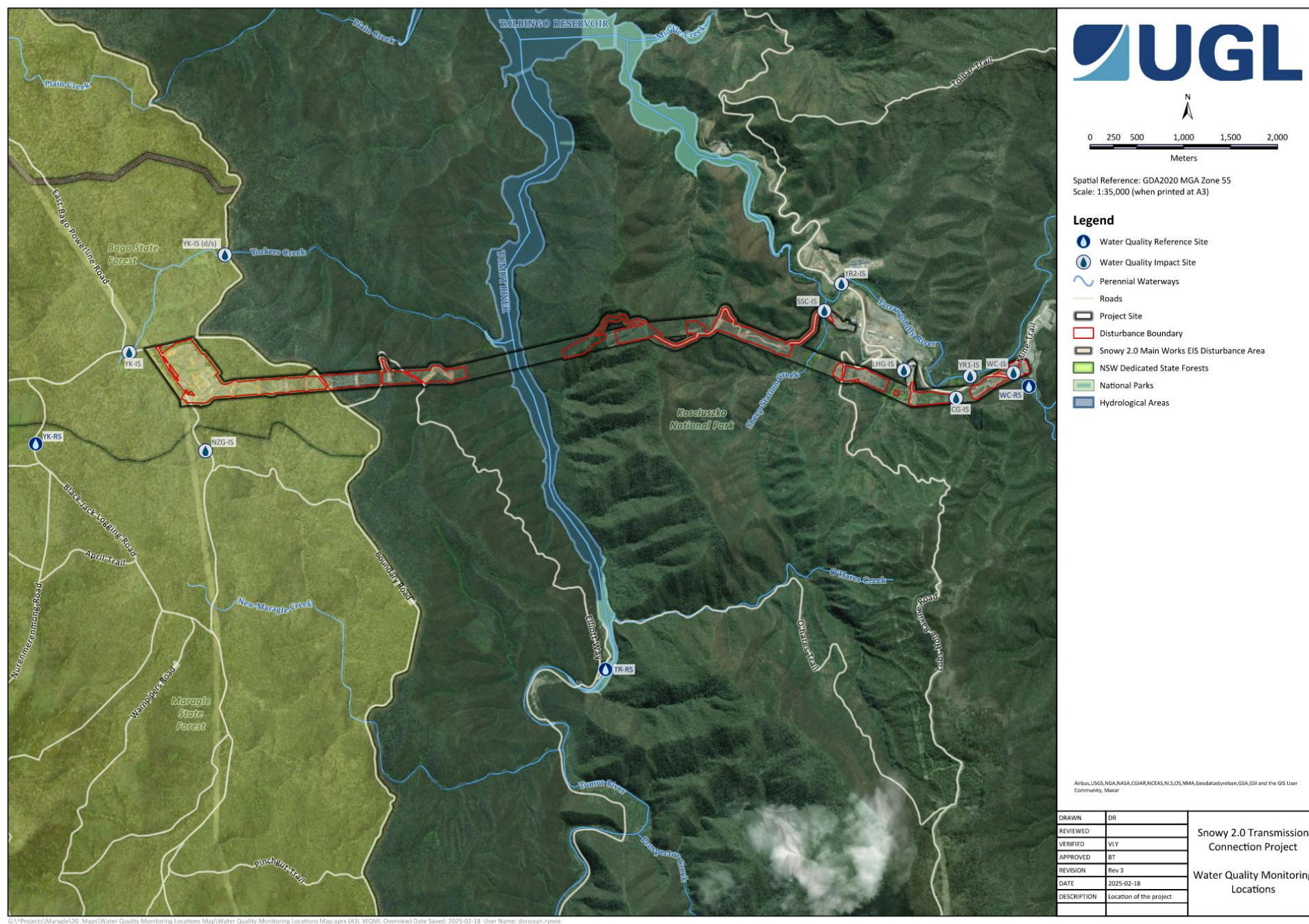


FIGURE 1 LOCALITY OF THE PROJECT AND SWQ MONITORING LOCATIONS

2 INTRODUCTION

The Project is adjacent to, and forms part of, the Snowy 2.0 project area and is located within KNP, an area of high conservation value. A total of 22 mapped waterways, tributaries of Yarrangobilly River and Tumut River, transect the Project Boundary (Figure 1).

One of the conditions of approval to meet the requirements outlined in the 'Environmental Impact Statement' (EIS) (Jacobs, 2020) and the Project's Environmental Protection Licence (EPL 21753) is to undertake regular surface water quality (SWQ) monitoring to mitigate environmental impacts on SWQ.

Pre-construction SWQ monitoring was undertaken by NGH Pty Ltd (NGH) between March 2022 and February 2024 to determine site specific baseline values for SWQ parameters prior to Project construction works. The pre-construction SWQ monitoring was undertaken using the 'Pre-construction Water Quality Monitoring Program and Methodology' (the Methodology) developed by NGH in 2022 (refer Section 3). Two years of pre-construction SWQ monitoring was analysed and summarised in the 'Baseline Water Quality Report' (Baseline Report) (NGH, 2024). The results were used to determine seasonal Site Specific Guideline Values (SSGV) for ongoing SWQ monitoring during the construction phase.

Construction for the Project commenced in March 2024. Construction SWQ monitoring will be undertaken by UGL on a monthly basis as per the revised methodology outlined in Section 3 to identify potential changes to SWQ that may be associated with the Project. SW samples from the construction SWQ monitoring would be analysed and presented in monthly Construction Water Quality Monitoring Reports.

3 METHODOLOGY

The Methodology was prepared by NGH in 2022 to support the pre-construction SWQ monitoring for the Project. The Methodology detailed the water quality objectives (WQO) for the Project, identified the monitoring locations and outlined the methodology for surface water (SW) sampling during the pre-construction phase. The Methodology (NGH, 2022) took into account the Project location within an area of high conservation value where the WQO for physical and chemical stressors, as outlined in the 'Australian and New Zealand Guidelines for Fresh and Marine Water Quality' (ANZG) (ANZG, 2018), includes no change in biodiversity beyond natural variability and where possible, there should also be no change in water/sediment chemical and physical properties, including toxicants.

Monitoring locations are outlined in Table 1. Figure 2 and Figure 3 show the water quality monitoring locations in relation to the Project and Snowy 2.0.

The Methodology (NGH, 2022) has been revised for construction SWQ monitoring by taking into account the seasonal SSGV set out in the Baseline Report (NGH, 2024) (refer to Section 4.2).

Construction SWQ monitoring would be analysed against the seasonal SSGV where available and appropriate. The Default Guideline Values (DGV) for Upland Rivers (ANZG, 2018) would be applied to water quality parameters that were not assessed in the Baseline Report (NGH, 2024) or where a guideline range is more appropriate. Table 2 outlines the seasonal SSGV and DGV used to compare construction SWQ to pre-construction SWQ.

Table 1 SWQ monitoring locations outlined in the Methodology (NGH, 2022)

WATER QUALITY MONITORING LOCATIONS					
ID	Waterway	Site Type	Catchment	Latitude	Longitude
WC-RS	Wallace Creek	Reference	Yarrangobilly River	-35.794258	148.415253
WC-IS	Wallace Creek	Impact		-35.792982	148.413404
CG-IS	Cave Gully	Impact		-35.795495	148.406665
YR1-IS	Yarrangobilly River	Impact		-35.793358	148.408277
LHG-IS	Lick Hole Gully	Impact		-35.792890	148.400445
YR2-IS	Yarrangobilly River	Impact		-35.784656	148.392921
SSC-IS	Sheep Station Creek	Impact		-35.793243	148.391046
TR-RS	Talbingo Reservoir	Reference	Talbingo Reservoir	-35.822094	148.365690
YK-RS	Yorkers Creek	Reference	Yorkers Creek	-35.801126	148.297979
YK-IS (D/S)	Yorkers Creek	Impact		-35.782684	148.320040
NZG-IS	New Zealand Gully	Impact		-35.801575	148.318051
YK-IS	Yorkers Creek	Impact		-35.792209	148.308878

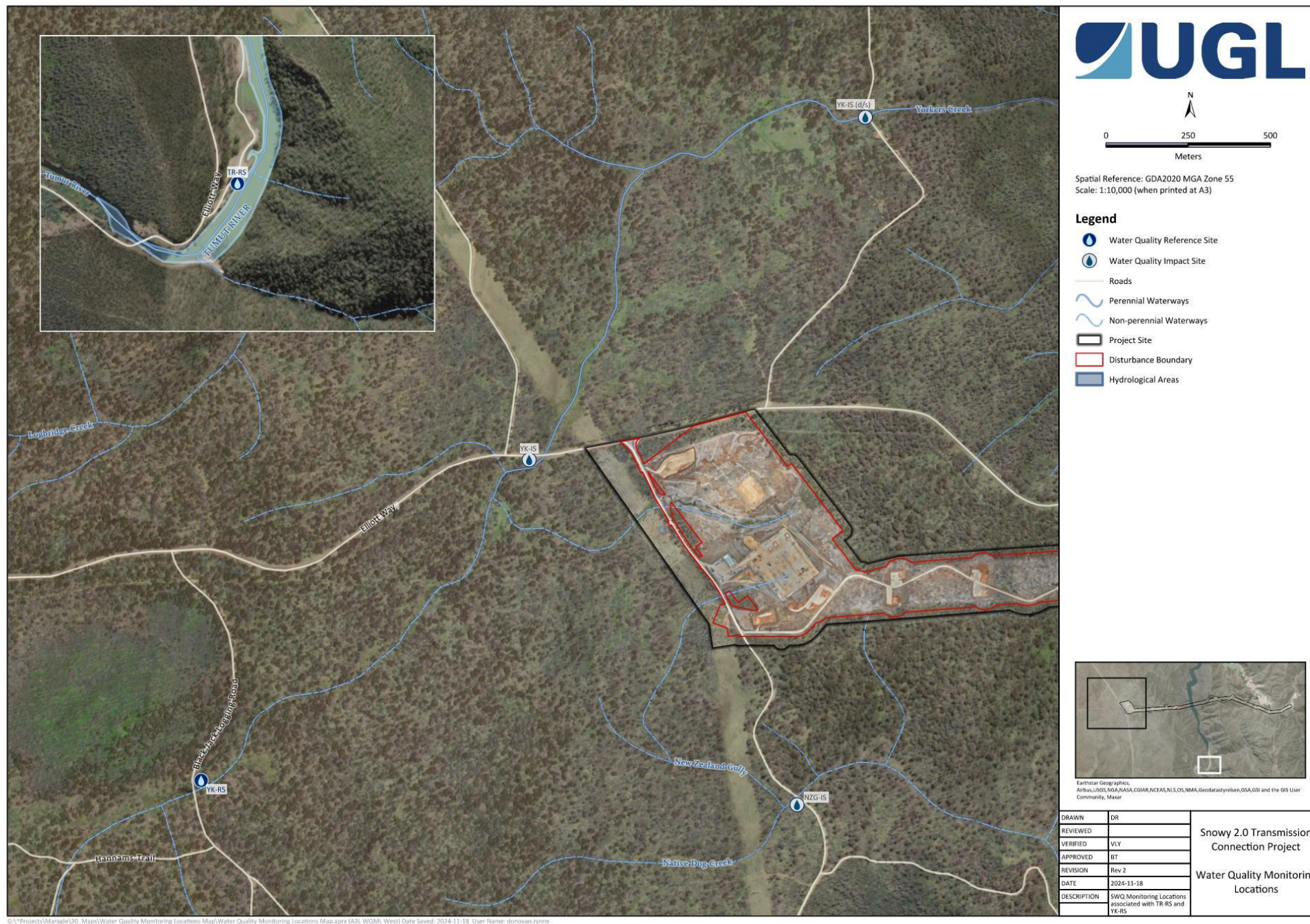


FIGURE 2 WATER QUALITY MONITORING LOCATIONS ASSOCIATED WITH REFERENCE SITE YR-RS AND TR-RS IN RELATION TO THE PROJECT

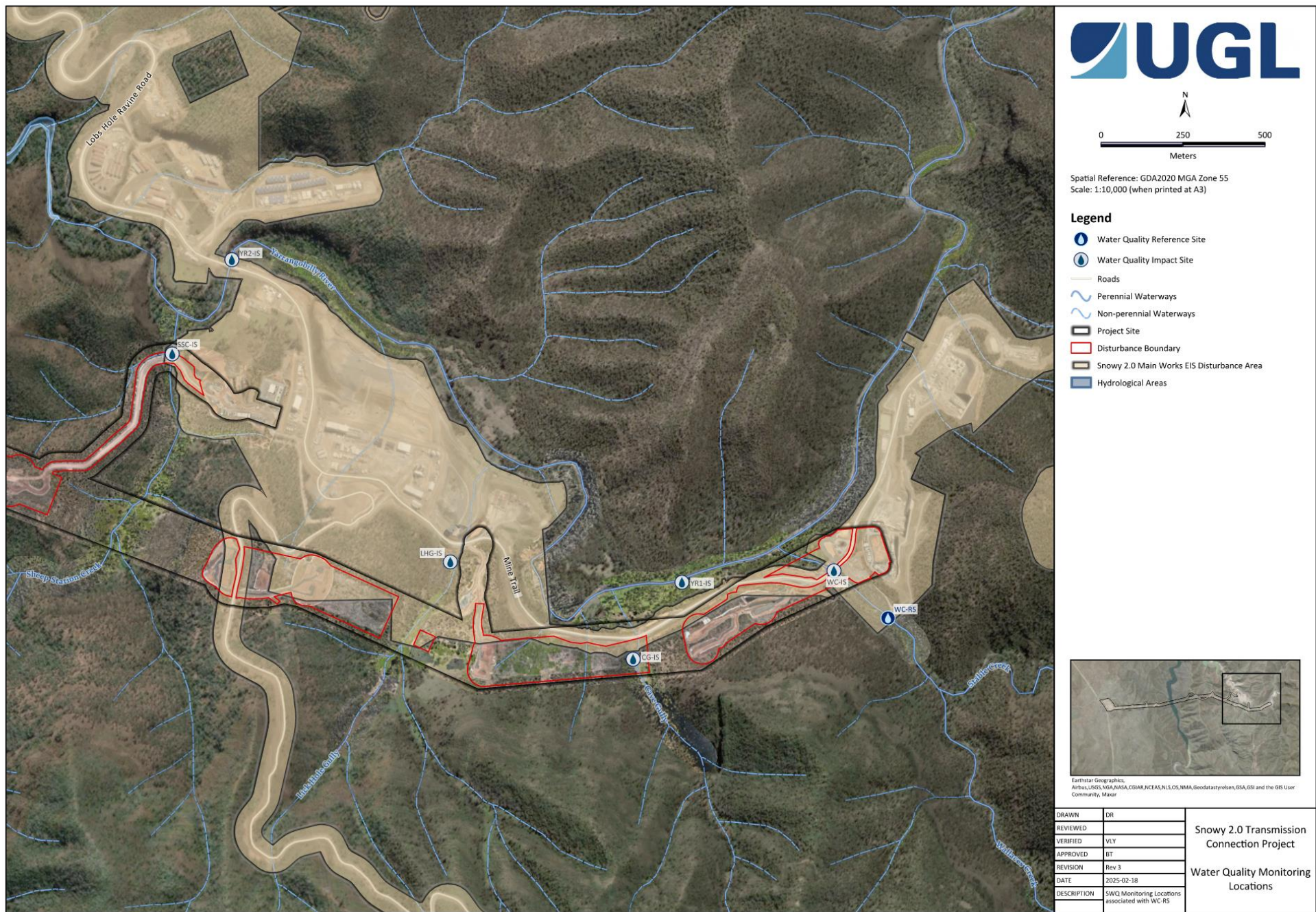


FIGURE 3 WATER QUALITY MONITORING LOCATIONS ASSOCIATED WITH REFERENCE SITE WC-RS IN RELATION TO THE PROJECT

Table 2 Seasonal SSGV (NGH, 2024) and DGV (ANZG, 2018) for water quality parameters

SURFACE WATER QUALITY GUIDELINE VALUES								
Parameter	Unit	WC-RS		TR-RS		YK-RS		DGV
		SSGV (Summer/Autumn)	SSGV (Winter/Spring)	SSGV (Summer/Autumn)	SSGV (Winter/Spring)	SSGV (Summer/Autumn)	SSGV (Winter/Spring)	
Temperature	°C*	-	-	-	-	-	-	-
Dissolved Oxygen (DO) ***	%#	96.2	89.7	91.3	95.5	89.6	88.7	90-110
DO	ppm ⁺	9.08	10.28	8.79	11.53	8.35	10.2	-
Specific Electrical Conductivity (EC)***	SPC [^] μS/cm ^{^^}	115	88	24	38.7	31	27.9	30-350
EC***	μS/cm	93.2	60.85	20.3	26.2	24	20.5	30-350
pH***	-	7.85	7.62	7.59	7.59	6.79	6.61	6.5-8
Redox	mV ^{##}	79.1	98.4	91.2	95.4	94.6	106.1	-
Turbidity***	NTU ^{**}	0.37	5.12	0.09	1.56	9	7.87	2-25
Dissolved Aluminium (Al)	mg/L ⁺⁺	0.03	0.04	0.03	0.015	0.36	0.32	0.027
Dissolved Arsenic (As)	mg/L	0.003	0.0003	0.003	0.0003	0.003	0.0003	0.0008
Dissolved Cadmium (Cd)	mg/L	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.0006
Dissolved Chromium (Cr)	mg/L	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Dissolved Copper (Cu)	mg/L	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.001
Cyanide	mg/L	0.002	0.002	0.002	0.002	0.002	0.002	0.004
Dissolved Iron (Fe)	mg/L	0.03	0.02	0.04	0.02	0.41	0.23	0.3
Dissolved Lead (Pb)	mg/L	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Dissolved Manganese (Mn)	mg/L	0.002	0.002	0.003	0.002	0.005	0.003	1.2
Dissolved Mercury (Hg)	mg/L	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00006

SURFACE WATER QUALITY GUIDELINE VALUES

Parameter	Unit	WC-RS		TR-RS		YK-RS		DGV
		SSGV (Summer/Autumn)	SSGV (Winter/Spring)	SSGV (Summer/Autumn)	SSGV (Winter/Spring)	SSGV (Summer/Autumn)	SSGV (Winter/Spring)	
Dissolved Nickel (Ni)	mg/L	0.001	0.001	0.001	0.001	0.001	0.001	0.008
Total Nitrogen (TN)	mg/L	0.2	0.2	0.2	0.2	0.2	0.2	0.25
Total Phosphorus (TP)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Dissolved Silver (Ag)	mg/L	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
Dissolved Zinc (Zn)	mg/L	0.002	0.002	0.002	0.002	0.002	0.002	0.0024
Ammonia	mg/L	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Nitrogen Oxides	mg/L	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Reactive Phosphorus (RP)	mg/L	0.02	0.015	0.02	0.015	0.02	0.02	0.015
Total Hardness (CaCO ₃)	mg/L	47	30	7.5	8	1	7	-
Total Kjeldahl Nitrogen (TKN)	mg/L	0.2	0.2	0.1	0.2	0.1	0.2	-
Total Dissolved Solids (TDS)	mg/L	52	39	12.5	15	30	10	-
Total Suspended Solids (TSS)	mg/L	0.2	1	0.2	0.2	3	0.2	0.2
Total Al [@]	mg/L	-	-	-	-	-	-	0.027
Total As [@]	mg/L	-	-	-	-	-	-	0.0008
Total Cd [@]	mg/L	-	-	-	-	-	-	0.0006
Total Cr [@]	mg/L	-	-	-	-	-	-	0.00001
Total Cu [@]	mg/L	-	-	-	-	-	-	0.001
Total Pb [@]	mg/L	-	-	-	-	-	-	0.001
Total Mn [@]	mg/L	-	-	-	-	-	-	1.2
Total Ni [@]	mg/L	-	-	-	-	-	-	0.008

SURFACE WATER QUALITY GUIDELINE VALUES

Parameter	Unit	WC-RS		TR-RS		YK-RS		DGV
		SSGV (Summer/Autumn)	SSGV (Winter/Spring)	SSGV (Summer/Autumn)	SSGV (Winter/Spring)	SSGV (Summer/Autumn)	SSGV (Winter/Spring)	
Total Ag [@]	mg/L	-	-	-	-	-	-	0.00002
Total Zn [@]	mg/L	-	-	-	-	-	-	0.0024
Total Fe [@]	mg/L	-	-	-	-	-	-	0.3
Total Hg [@]	mg/L	-	-	-	-	-	-	0.00006

* °C = degrees Celsius

% = percent

mV = millivolt

+ ppm = parts per million

^ SPC = specific conductance

** mg/L = milligram per litre

** NTU = Nephelometric Turbidity Unit

^^ µS/cm = micro Siemens per centimetre

@ parameter not analysed by NGH

*** assessed against DGV where guideline range is more appropriate for the parameter

4 BASELINE WATER QUALITY

4.1 Water Quality Objectives

Water quality objectives are outlined in Section 2.1 of the Baseline Report (NGH, 2024).

4.2 Site Specific Guideline Values

In accordance with the ANZG (ANZG, 2018), SSGV for the three Reference Sites (RS) (WC-RS, TR-RS and YK-RS) were derived from the results collected during the 24-month pre-construction SWQ monitoring period. The SSGV reflect the seasonality observed in the baseline data and are characterised by the drier months of Summer/Autumn (December to May) and wetter months of Winter/Spring (June to November) in accordance with the 'Australian and New Zealand Environment and Conservation Council (ANZECC) and Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) (2000) methodology and derivatives developed to 2018 of the ANZG (ANZG, 2018).

Table 2 outlines the seasonal SSGV provided in the Baseline Report (NGH, 2024).

5 JUNE 2026 MONITORING

SW sampling was undertaken at 10 monitoring locations from 08 June 2026. SSC-IS and YK-RS were dry or had no flow at the time of monitoring.

In accordance with the methodology outlined in Section 3, SW samples were either measured in situ using a calibrated YSI ProDSS Sonde Multiparameter Digital Water Quality Meter (refer to Appendix D) or analysed by National Association of Testing Authorities, Australia (NATA) accredited ALS Limited (ALS) laboratory.

The 'Water Quality Monitoring Field Data Sheet' (Field Sheet) (UGL, 2025) is provided in Appendix A. The 'Certificate of Analysis' (COA) (ALS, 2025a), 'QA/QC Compliance Assessment to assist with Quality Review' (QA/QC Assessment) (ALS, 2025b) and 'Quality Control Report' (QCR) (ALS, 2025c) are attached in Appendix B.

5.1 Observations

Field observations during sampling are summarised in Table 3.

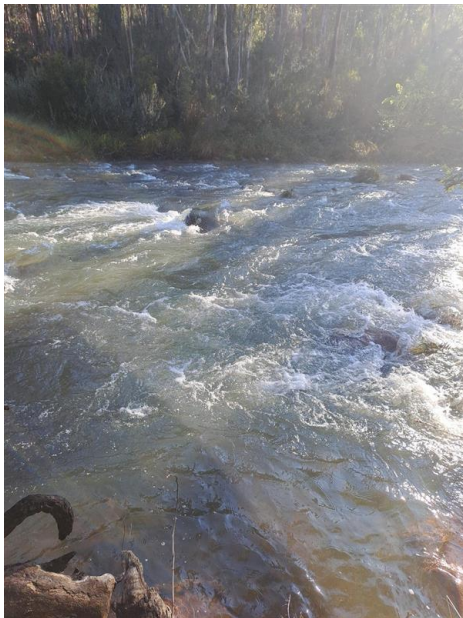
Table 3 Field observations during sampling

FIELD OBSERVATIONS		
Date	06 June 2026	
Weather	The weather forecast for 08 June was 1-8°C with 10 percent <1 millimeters (mm) of rain. The weather at the time of sampling was overcast and cool.	
ID	Observations	Photo
WC-RS	• Fast flowing, high level • Slight tinge to water • Presence of vegetative detritus in the waterbody. • Riparian vegetation comprised of groundcover species, shrubs and mature trees. • Moderate weed density, including blackberry (<i>Rubus fruticosus</i>).	

FIELD OBSERVATIONS

ID	Observations	Photo
WC-IS	• Fast flowing, high velocity • Clear water • Large boulders and undercut banks present. • Riparian vegetation comprised of trees and grass. • Dry adjacent beds • High weed density, including blackberry (<i>Rubus fruticosus</i>). • Monitoring location is situated adjacent to bridge and Mine Trail Road which is frequently used by snowy 2.0 vehicles, plant and machinery.	
CG-IS	• Dry at the time of sampling	

FIELD OBSERVATIONS

ID	Observations	Photo
YR1-IS	• High flow rate, strong velocity • Murky water • Rocky banks with sections of exposed soil along upper bank areas. • Exposed boulders and pebbles in creek • Riparian vegetation comprised of groundcover species, shrubs and trees. • Moderate weed density including thistle (<i>Cirsium spp.</i>) and blackberry (<i>Rubus fruticosus</i>) • Monitoring location is situated adjacent to bridge and electrical transmission tower on top of rocky cliff and Snowy 2.0 laydown area	
LHG-IS	• Low flow rate • Evidence of fauna (tracks and scats) • Adjacent to haul road • Dense ground cover – grass, reeds • Aquatic vegetation in and surrounding stream • Rocky stream bed with moss present on bank-side pebbles	

FIELD OBSERVATIONS

ID	Observations	Photo
YR2-IS	• High water levels, medium flow. • Evidence of fauna (tracks and scats). • Murky water, not clear • Riparian vegetation comprised of groundcover species, shrubs and trees. • Moderate weed density, including blackberry (<i>Rubus fruticosus</i>). • Presence of road washout from Mine Trail Road in vegetation adjacent to river.	
SSC-IS	• Low flow • Murky water, slight tinge • Presence of overhanging and in-stream vegetation • Grasses present on banks • Moderate weed density, including blackberry (<i>Rubus fruticosus</i>).	

FIELD OBSERVATIONS

ID	Observations	Photo
TR-RS	• Low water level and slow flow rate • Clear Water • Presence of campers • Avian presence on waterbody • Vegetated bank • Monitoring location is situated adjacent to publicly accessible O'Hares Campground and Talbingo Reservoir ancillary infrastructure.	
YK-RS	• Dry; no flow at the time of sampling.	

FIELD OBSERVATIONS

ID	Observations	Photo
YK-IS (D/S)	• Slow flow • Woody debris present in water channel • Vegetation submerged in stream and bank • Branches overhanging creek • Evidence of fauna tracks on the bank • Slight yellow tinge to water • Murky water	
NZG-IS	• Tinge to water, slow velocity, low level • Overhanging and encroaching reeds and grasses. • Evidence of fauna tracks on banks • Monitoring location is situated adjacent to publicly accessible 4WD track. • Silt deposition on the bed/silty bed • Eroded stream bed • Moderate weed density, including blackberry (<i>Rubus fruticosus</i>).	

FIELD OBSERVATIONS

ID	Observations	Photo
YK-IS	• Murky waterbed • Low flow • Close proximity to HLW works (substation) • Vegetation in bed and on banks – reeds and grasses • Mossy pebbles, vegetation on banks • Evidence of fauna tracks on banks • Slight tinge to water • Monitoring location is situated adjacent to Elliott Way, leading towards culvert.	

5.2 Results

The results from the construction SWQ monitoring program have been reported for each respective catchment: Yarrangobilly River, Talbingo Reservoir, and Yorkers Creek.

- **Yarrangobilly River catchment** monitoring includes the reference site at Wallace Creek and impact sites at Yarrangobilly River, Wallace Creek, Cave Gully, Lick Hole Gully, and Sheep Station Creek.
- **Yorkers Creek catchment** monitoring includes the reference site at Yorkers Creek and impact sites at Yorkers Creek and New Zealand Gully.
- **Talbingo Reservoir** features a reference site located upstream within the reservoir, serving as an overall reference for monitoring sites in the Yarrangobilly River and Yorkers Creek catchments.

This reference site provides a baseline for the SWQ monitoring program.

The SWQ monitoring results for key physical and chemical parameters, along with site-specific trigger values, are detailed in Section 5.2.1. Results for dissolved and total metals, including site-specific trigger values, are covered in Sections 5.2.2 and 5.2.3. Upon review of the data, observations were noted between the reference and impact sites.

The complete table of results is attached in Appendix C.

5.2.1 Key Physical and Chemical Parameters

See below for results of key physical and chemical parameters.

5.2.1.1 Temperature

During June 2026, all sampling locations exhibited a decrease in temperature (°C). At Yarrangobilly River Catchment, the mean temperature reduced to $\approx 8.4^{\circ}\text{C}$ (-1.8°C), refer Figure 4. At Talbingo Reservoir, the mean temperature reduced by $\approx 1.5^{\circ}\text{C}$ to $\approx 11.7^{\circ}\text{C}$, refer Figure 5. The greatest temperature decrease was exhibited at Yorkers Creek Catchment where the mean temperature reduced by $\approx 2.8^{\circ}\text{C}$ to $\approx 7.1^{\circ}\text{C}$, refer Figure 6.

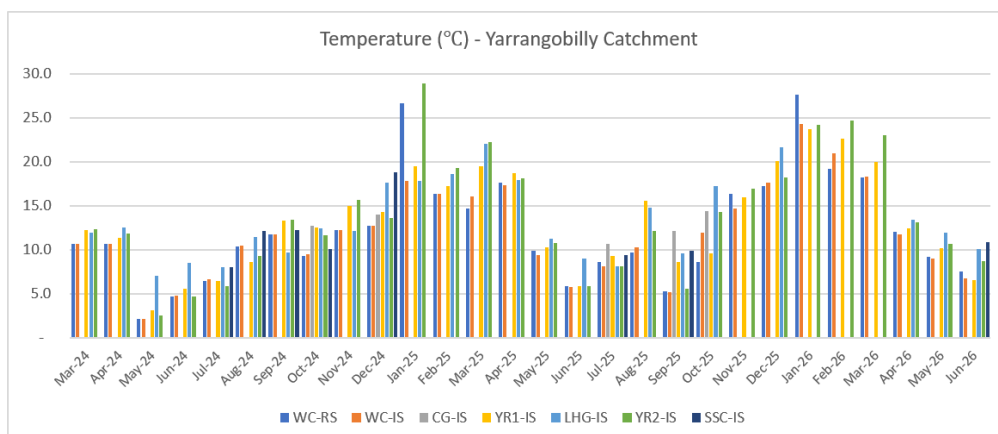


FIGURE 4 : TEMPERATURE FOR YARRANGOBILLY RIVER CATCHMENT

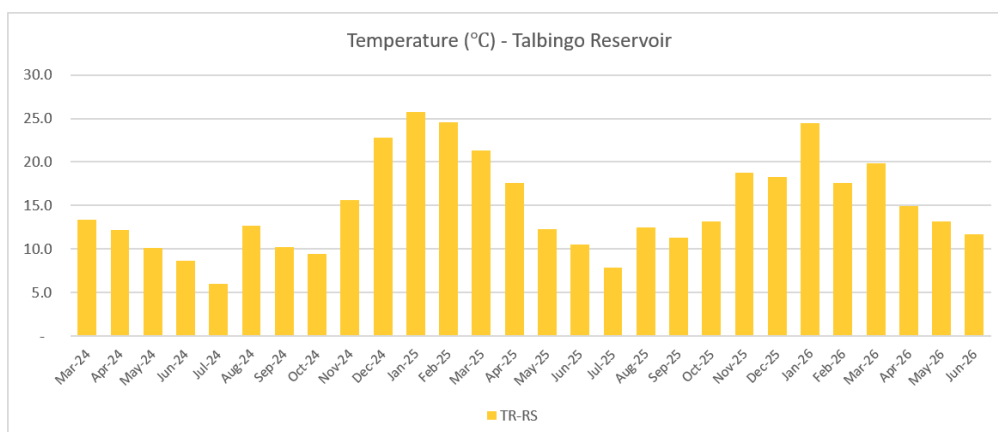


FIGURE 5: TEMPERATURE FOR TALBINGO RESERVOIR

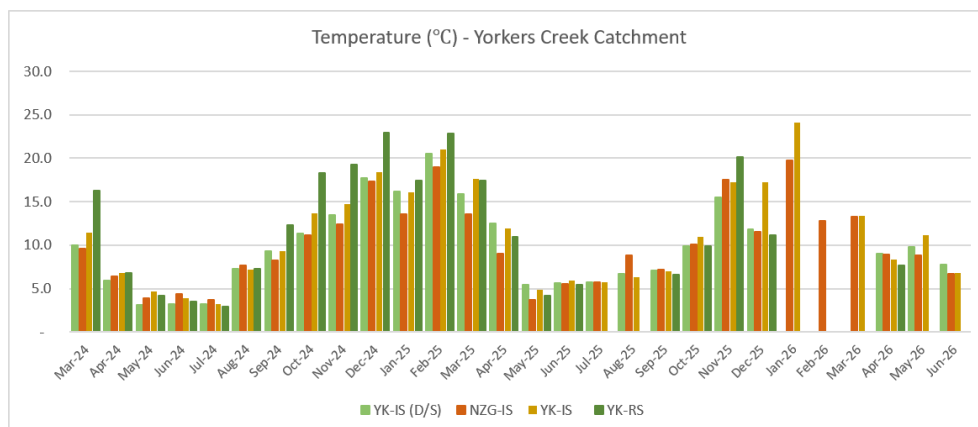


FIGURE 6: TEMPERATURE FOR YORKERS CREEK CATCHMENT

5.2.1.2 pH

During the June 2026 sampling period, pH values exceeded the June-November SSGV at all sites across all three catchments (Yarrangobilly River Catchment, Talbingo Reservoir, Yorkers Creek Catchment), refer Figure 7 to Figure 9.

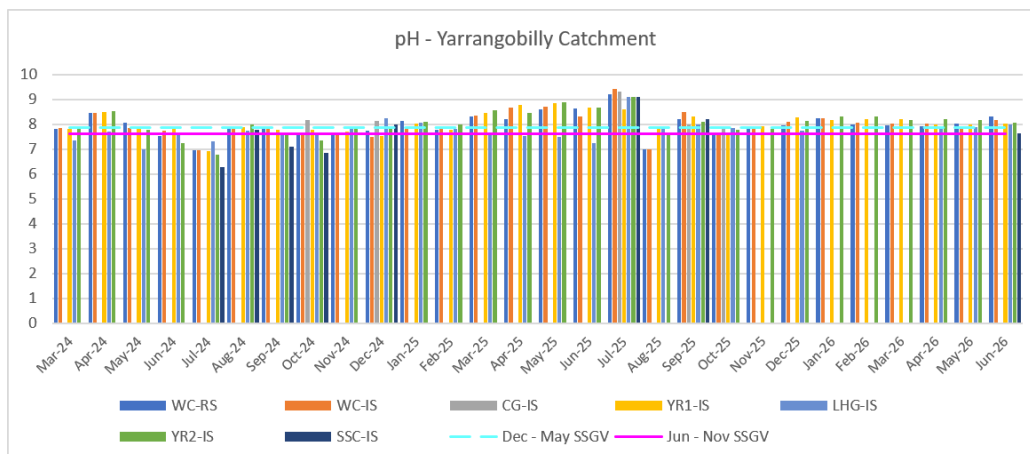


FIGURE 7: PH FOR YARRANGOBILLY RIVER CATCHMENT

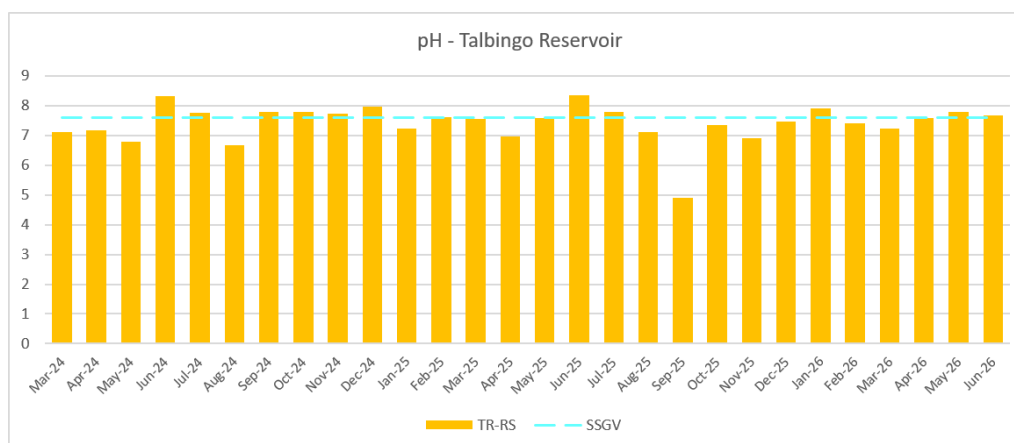


FIGURE 8: PH FOR TALBINGO RESERVOIR

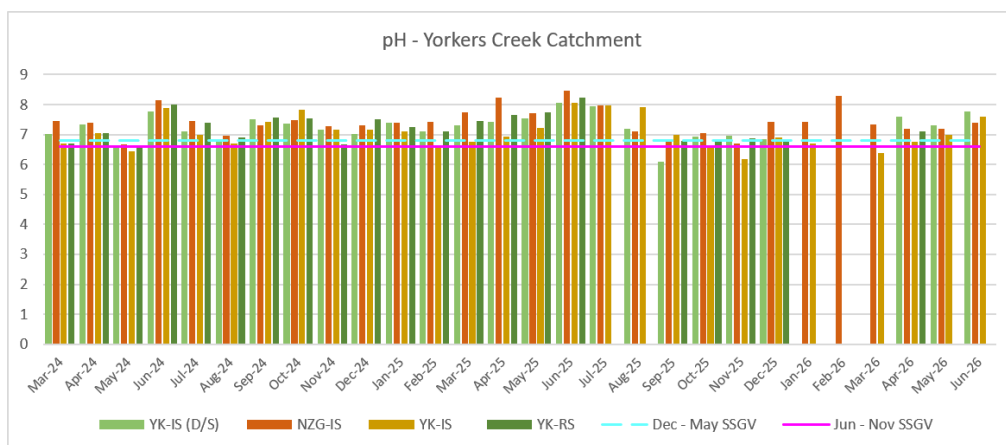


FIGURE 9: PH FOR YORKERS CREEK CATCHMENT

5.2.1.3 Dissolved Oxygen

During the June 2026 sampling period, Dissolved Oxygen (DO, %) exhibited a general increase across all sites. Consistent with previous trends, DO values were below the June-November SSGV at all sites across all three catchments (Yarrangobilly River Catchment, Talbingo Reservoir, Yorkers Creek Catchment), refer Figure 10 to Figure 12.

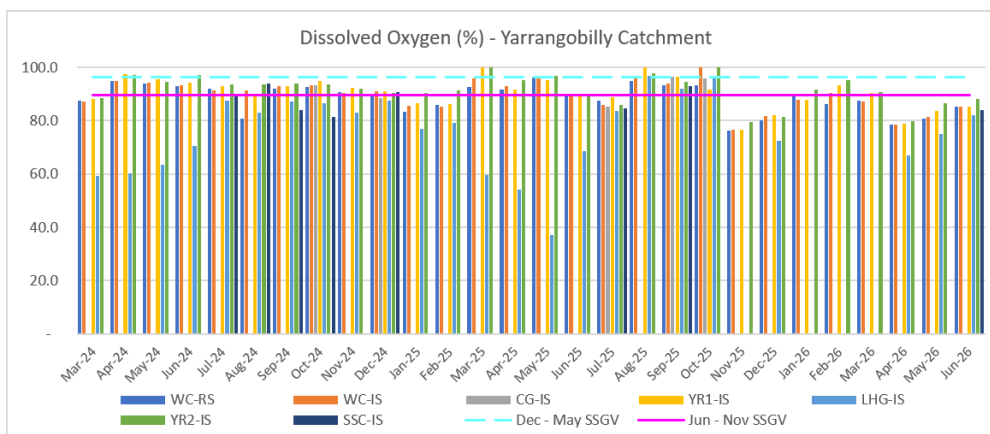


FIGURE 10: DO FOR YARRANGOBILLY RIVER CATCHMENT

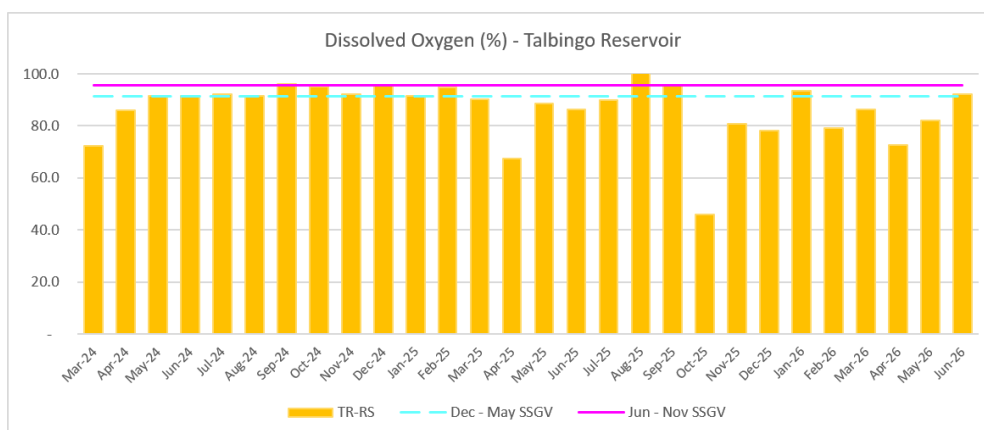


FIGURE 11: DO FOR TALBINGO RESERVOIR

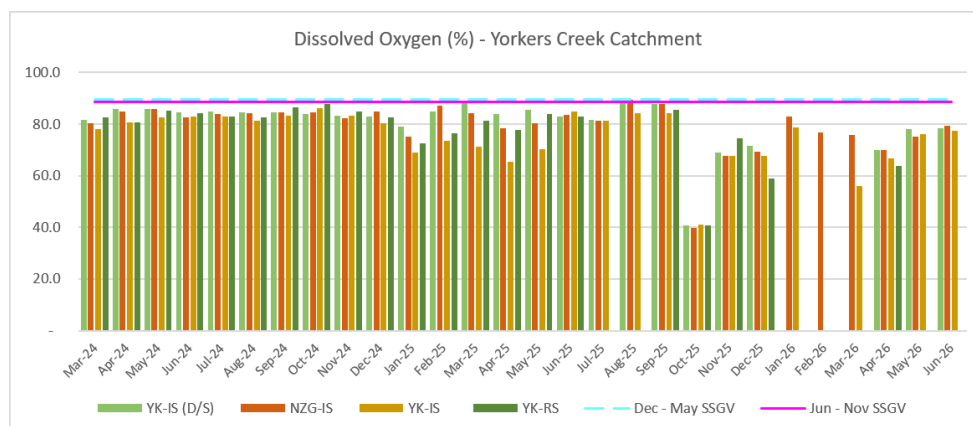


FIGURE 12: DO FOR YORKERS CREEK CATCHMENT

5.2.1.4 Specific Conductance

June 2026 specific conductance ($\mu\text{S}/\text{cm}$) values were mixed across the three catchments. In Yarrangobilly River Catchment, all sites were below the June-November SSGV except for SSC-IS and LHG-IS (which recorded a notable exceedance), refer Figure13. At Talbingo Reservoir, specific conductance was below the June-November SSGV, refer Figure 14. All sites within Yorkers Creek Catchment exceeded the June-November SSGV (Figure 15).

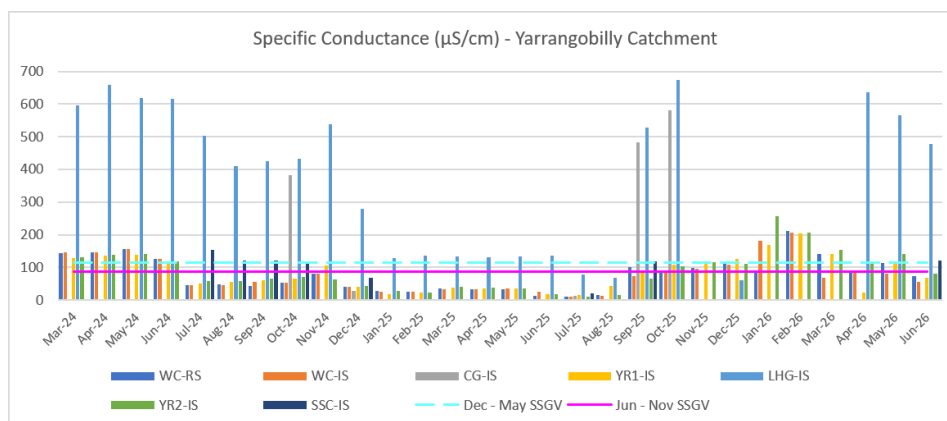


FIGURE 13: SPC FOR YARRANGOBILLY RIVER CATCHMENT

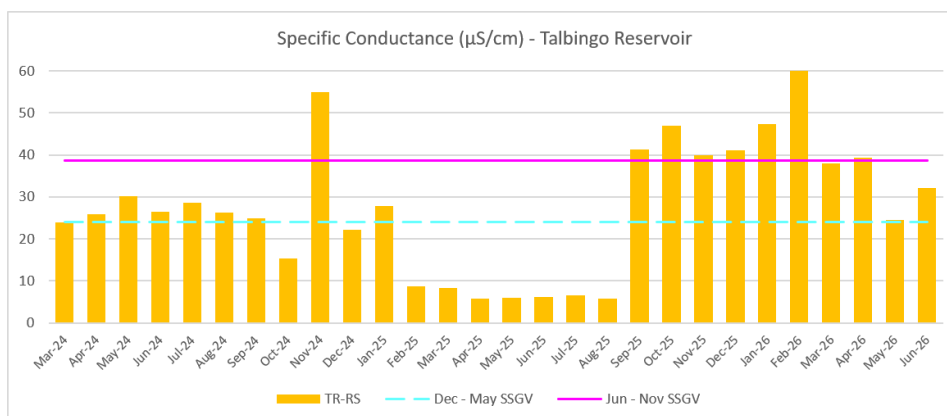


FIGURE 14: SPC FOR TALBINGO RESERVOIR

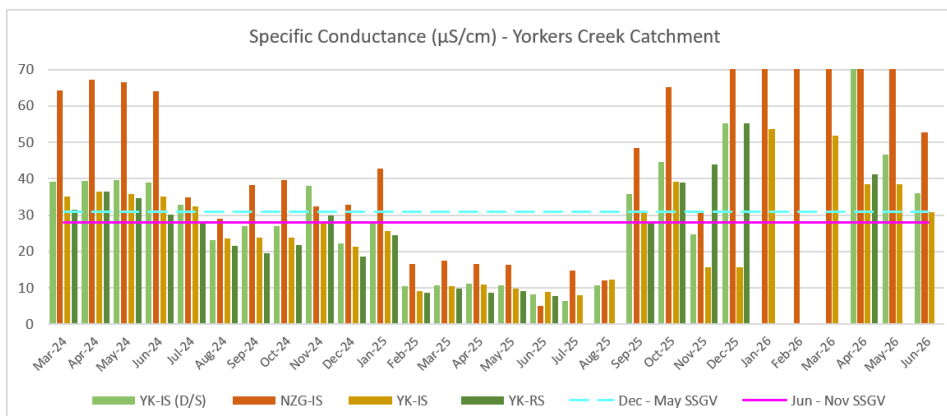


FIGURE 15: SPC FOR YORKERS CREEK CATCHMENT

5.2.1.5 Electrical Conductivity

Electrical Conductivity (EC, $\mu\text{S}/\text{cm}$) values were not recorded during the June 2026 sampling period (Figure 16 to Figure 18).

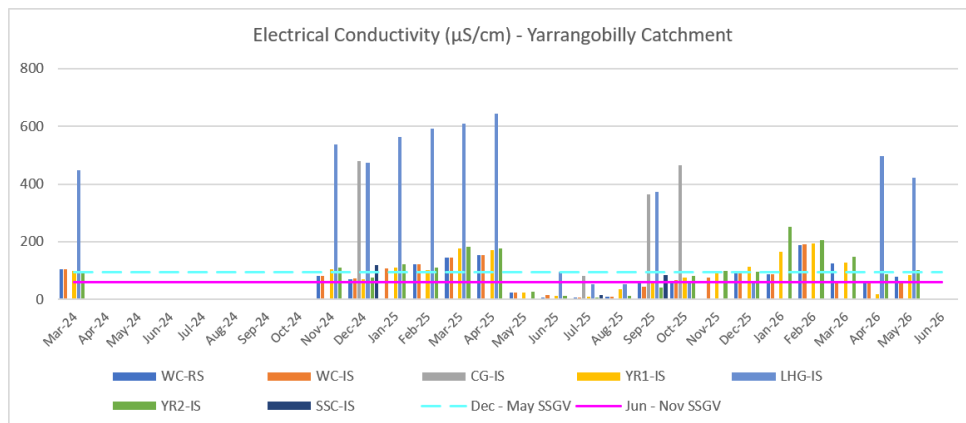


FIGURE 16: EC FOR YARRANGOBILLY RIVER CATCHMENT

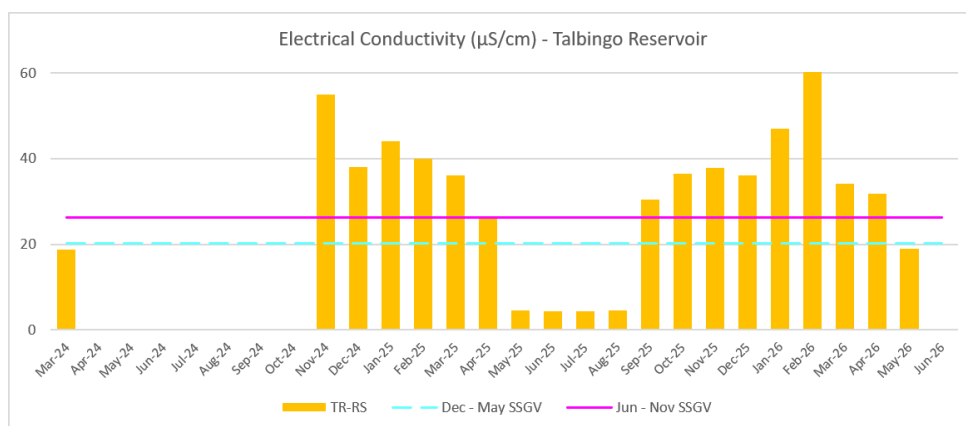


FIGURE 17: EC FOR TALBINGO RESERVOIR

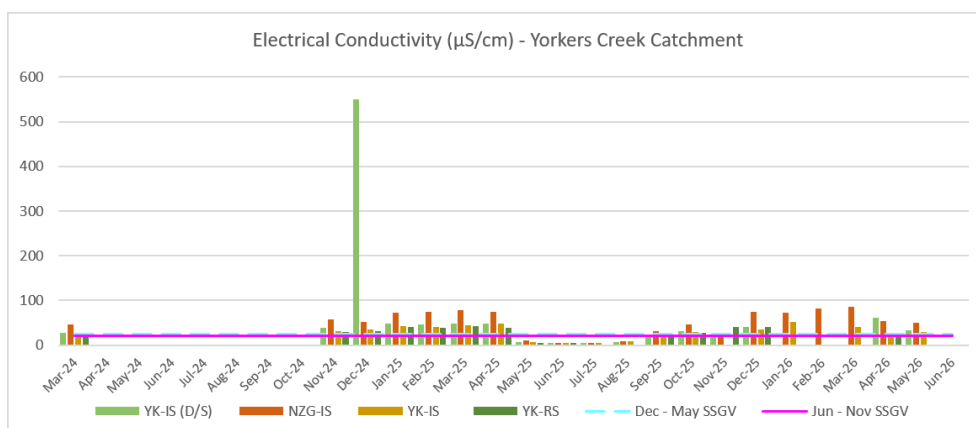


FIGURE 18: EC FOR YORKERS CREEK CATCHMENT

5.2.1.6 Turbidity

In June 2026, results for turbidity (NTU) exceeded the June-November SSGV at all sampled sites across all three catchments (Yarrangobilly River Catchment, Talbingo Reservoir, Yorkers Creek Catchment). Notable exceedances were recorded at WC-RS and SSC-IS in Yarrangobilly River Catchment, and TR-RS at Talbingo Reservoir (Figure 19—Figure 21).

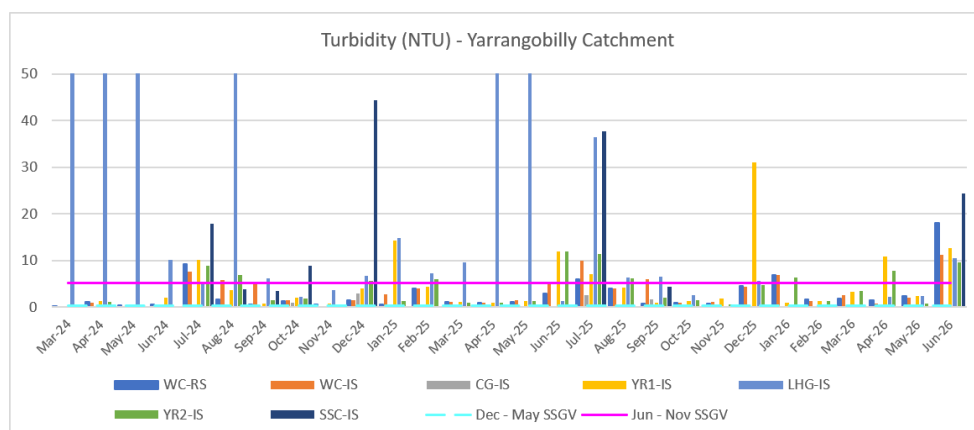


FIGURE 19: TURBIDITY FOR YARRANGOBILLY RIVER CATCHMENT

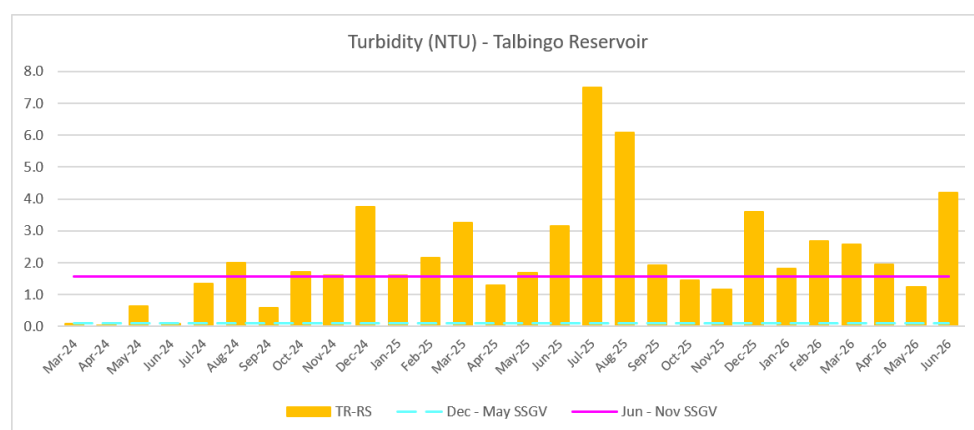


FIGURE 20: TURBIDITY FOR TALBINGO RESERVOIR

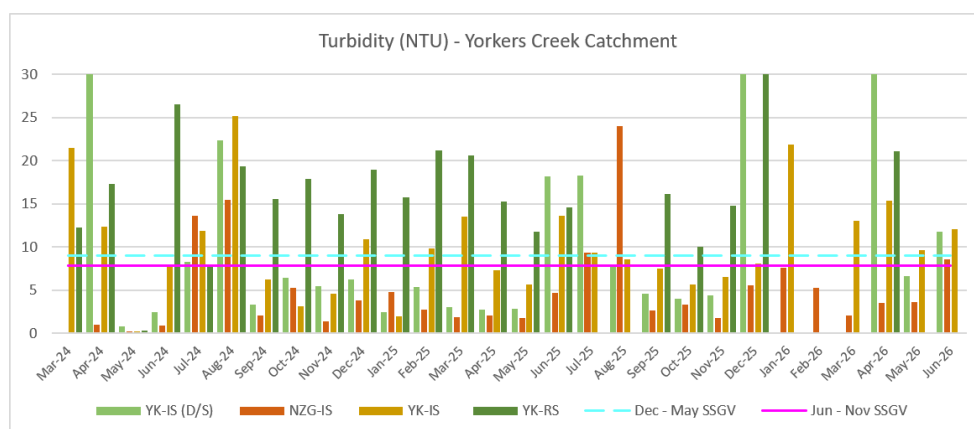


FIGURE 21: TURBIDITY FOR YORKERS CREEK CATCHMENT

5.2.1.7 Total Suspended Solids

Total Suspended Solids (TSS, mg/L) values exceeded the June-November SSGV at the reference site at Yarrangobilly River Catchment (WC-RS) and three impact sites (WC-IS, YR1-IS and SSC-IS). All other sites across all catchments (Yarrangobilly River Catchment, Talbingo Reservoir, Yorkers Creek Catchment) were below the LOR (Figure 22 to Figure 24).

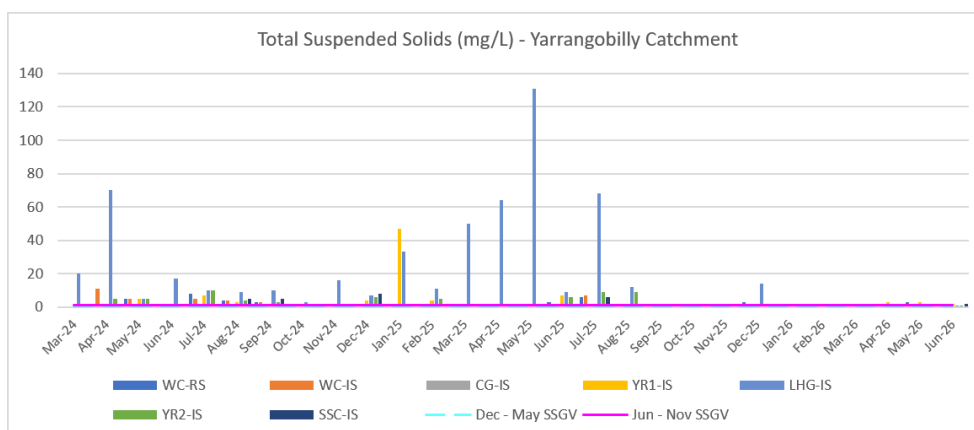


FIGURE 22: TSS FOR YARRANGOBILLY RIVER CATCHMENT

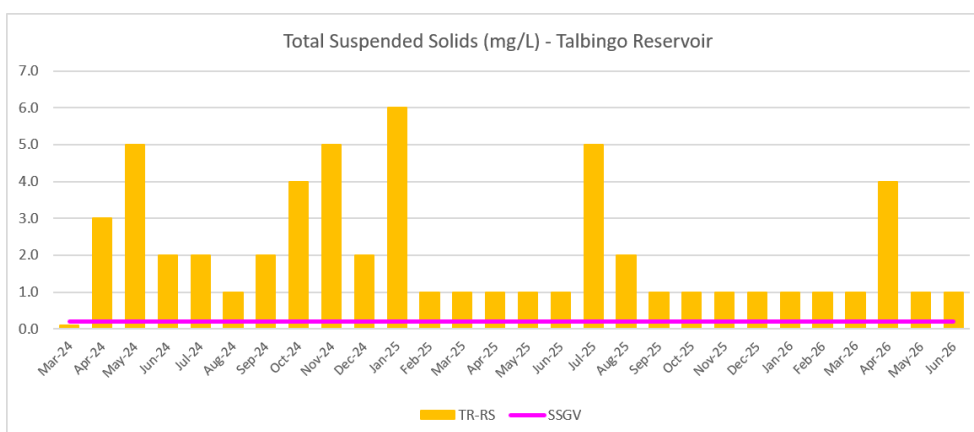


FIGURE 23: TSS FOR TALBINGO RESERVOIR

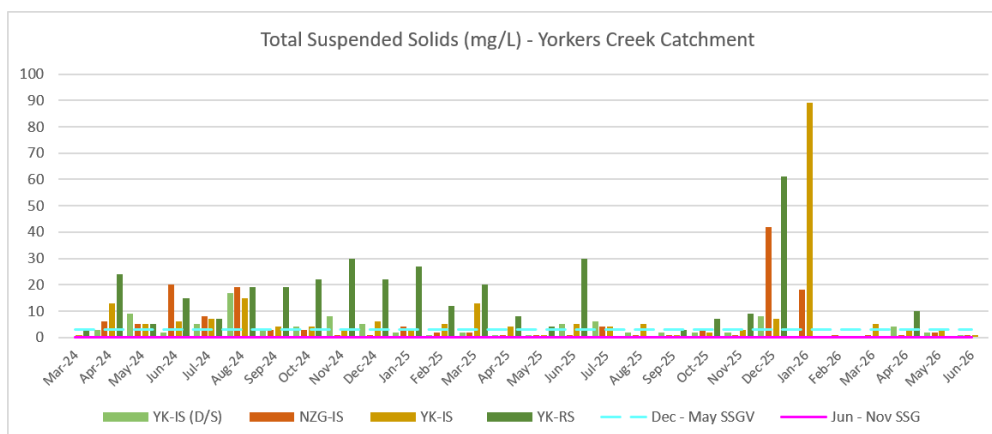


FIGURE 24: TSS FOR YORKERS CREEK CATCHMENT

5.2.1.8 Total Dissolved Solids

Total Dissolved Solids (mg/L) values during the June 2026 sampling period exceeded the June-November SSGV at all sites (Figure 25-Figure 27), with a significant exceedance recorded at LHG-IS in Yarrangobilly River Catchment.

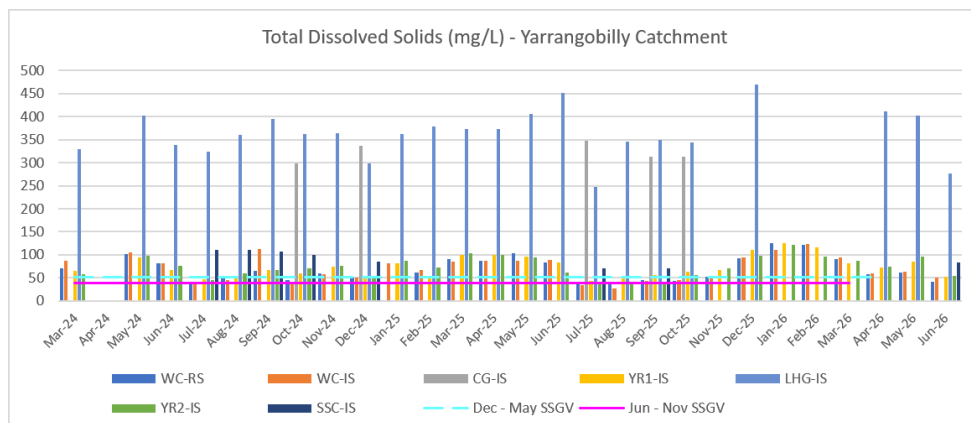


FIGURE 25: TDS FOR YARRANGOBILLY RIVER CATCHMENT

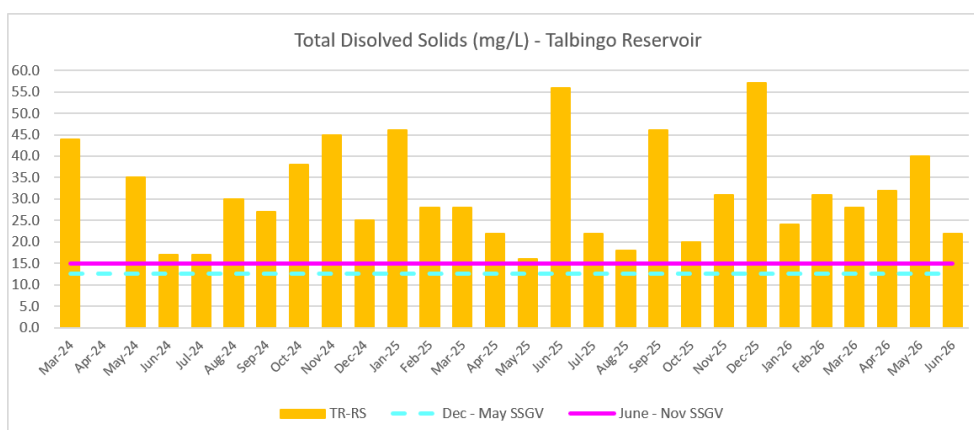


FIGURE 26: TDS FOR TALBINGO RESERVOIR

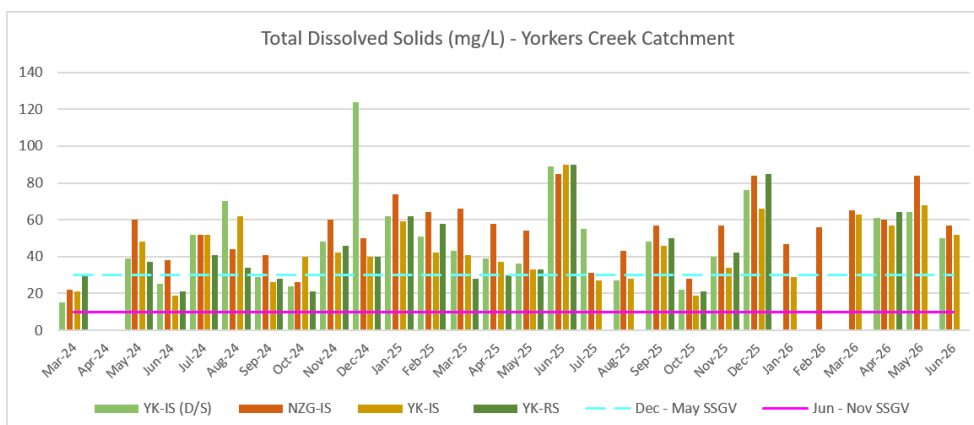


FIGURE 27: TDS FOR YORKERS CREEK CATCHMENT

5.2.1.9 Redox

Redox (mV) results were not recorded during the June 2026 sampling period (Figure 28-Figure 29).

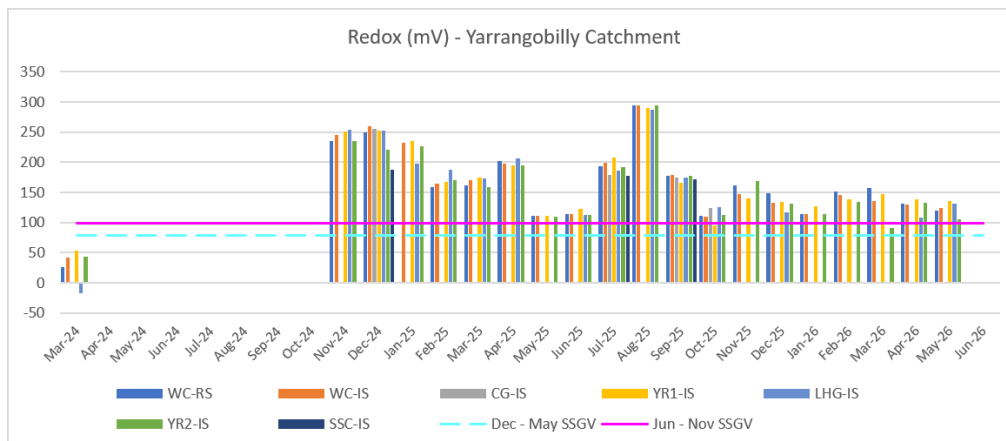


FIGURE 28: REDOX FOR YARRANGOBILLY RIVER CATCHMENT

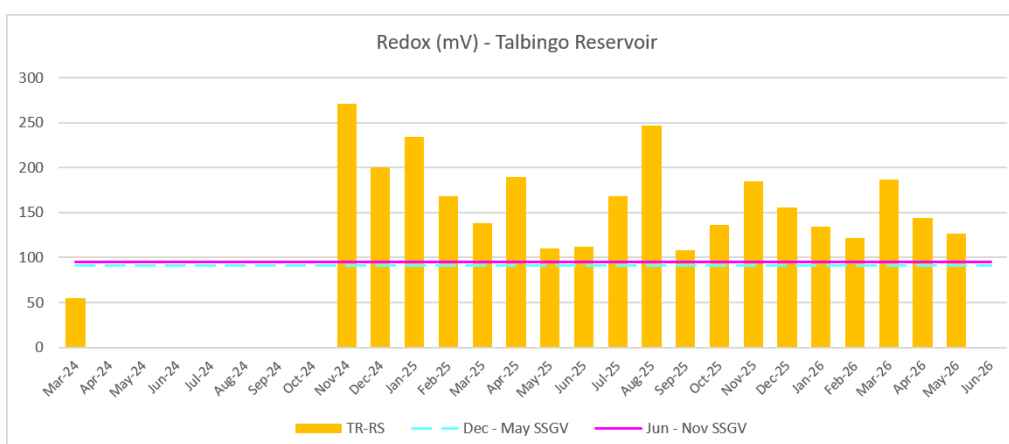


FIGURE 29: REDOX FOR TALBINGO RESERVOIR

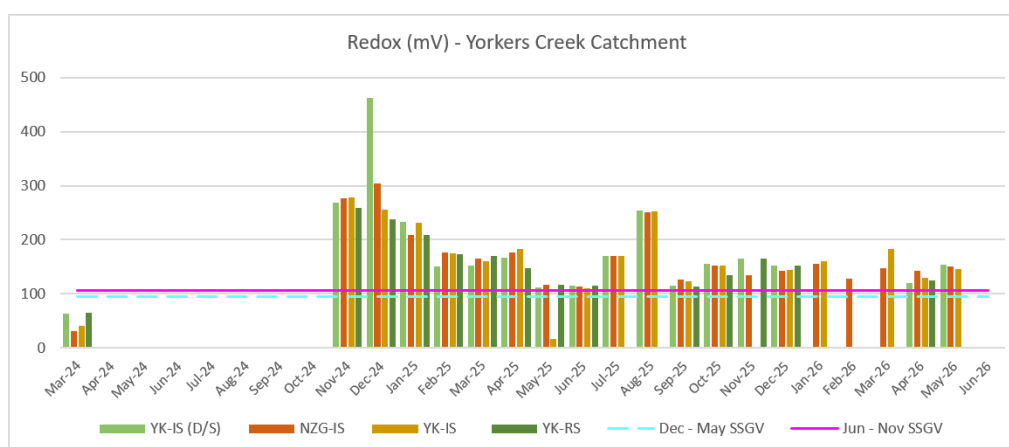


FIGURE 30: REDOX FOR YORKERS CREEK CATCHMENT

5.2.1.10 Nitrogen Oxides

Nitrogen Oxides (mg/L) levels in the June 2026 sampling period exceeded the June-November SSGV at all sites across all catchments, except for LHG-IS, YK-IS(D/S), NZG-IS and YK-IS, which were below the LOR, refer Figure 31-Figure 33.

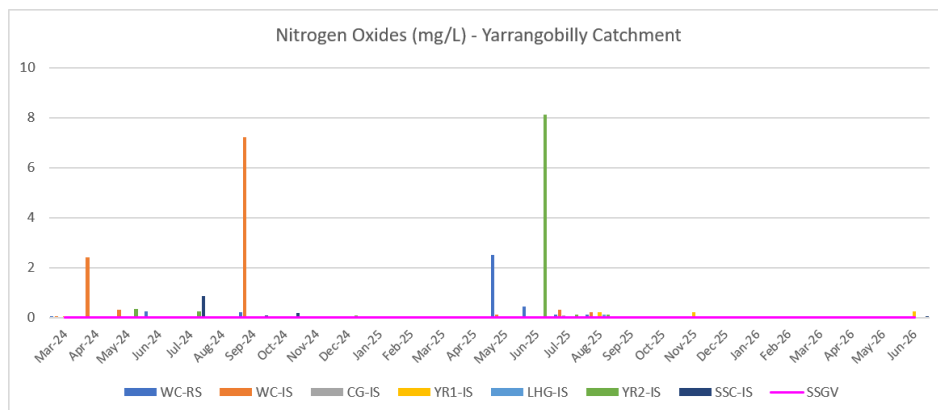


FIGURE 31: NITROGEN OXIDES FOR YARRANGOBILLY RIVER CATCHMENT

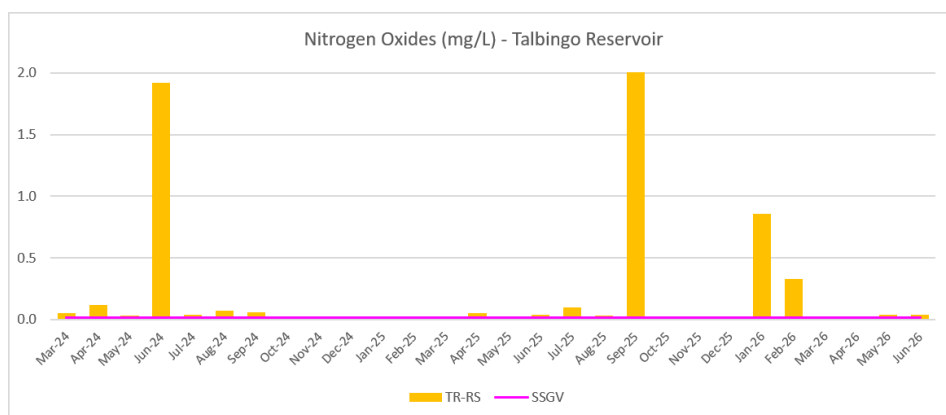


FIGURE 32: NITROGEN OXIDES FOR TALBINGO RESERVOIR

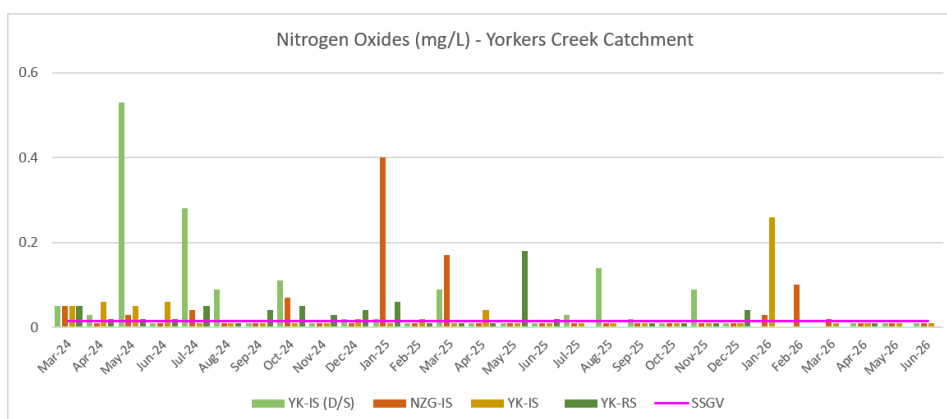


FIGURE 33: NITROGEN OXIDES FOR YORKERS CREEK CATCHMENT

5.2.1.11 Ammonia

Ammonia (mg/L) concentrations for the June 2026 sampling period exceeded the June-November SSGV at all sites across all catchments (Yarrangobilly River Catchment, Talbingo Reservoir, Yorkers Creek Catchment), except for SSC-IS and TR-RS, which were below the LOR (Figure 34 – Figure 36).

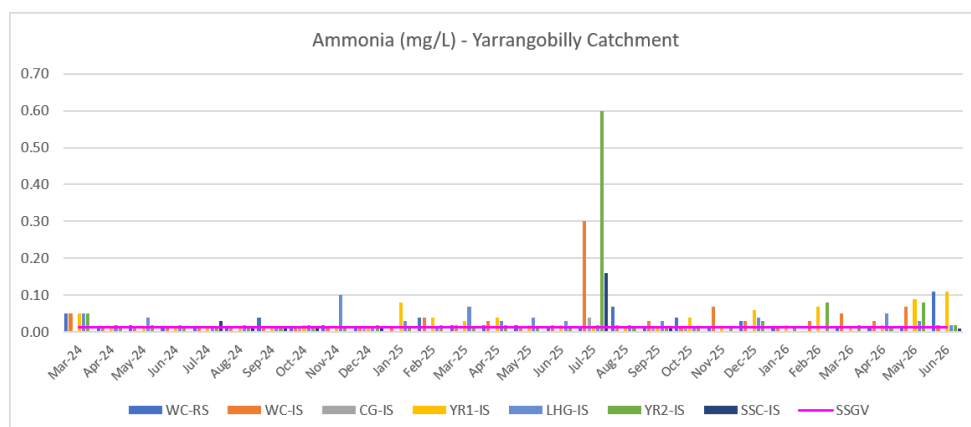


FIGURE 34: AMMONIA FOR YARRANGOBILLY RIVER CATCHMENT

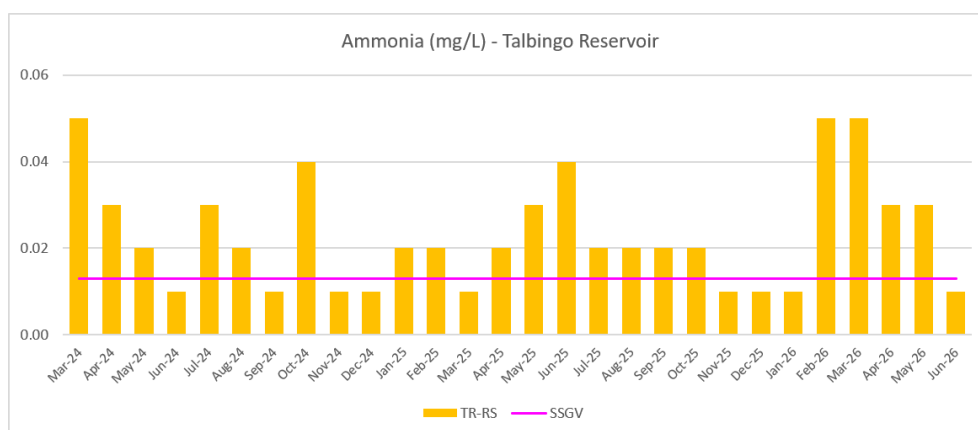


FIGURE 35: AMMONIA FOR TALBINGO RESERVOIR

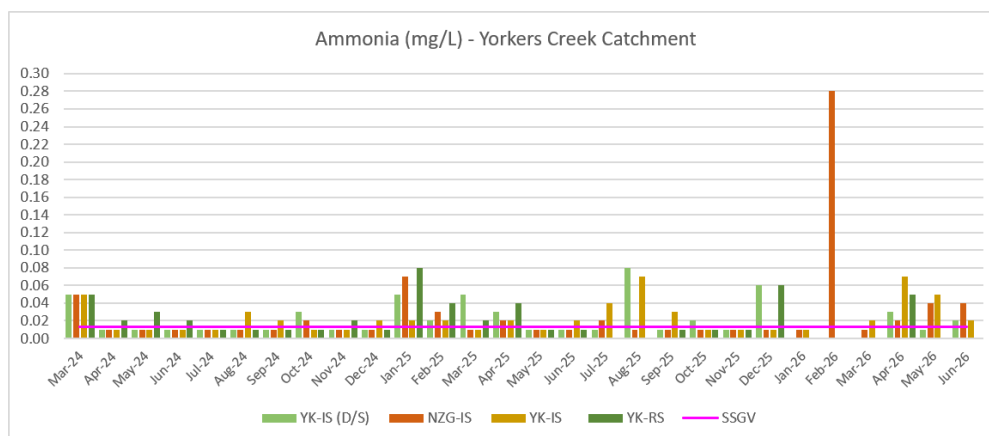


FIGURE 36: AMMONIA FOR YORKERS CREEK CATCHMENT

5.2.1.12 Cyanide

Cyanide (mg/L) concentrations were below the LOR at all sites across all three catchments, refer Figure 37 to Figure 38.

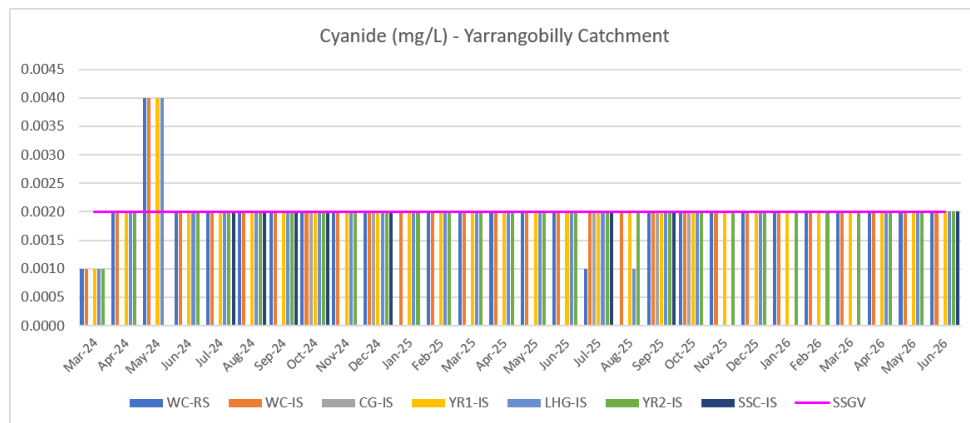


FIGURE 37: CYANIDE FOR YARRANGOBILLY RIVER CATCHMENT

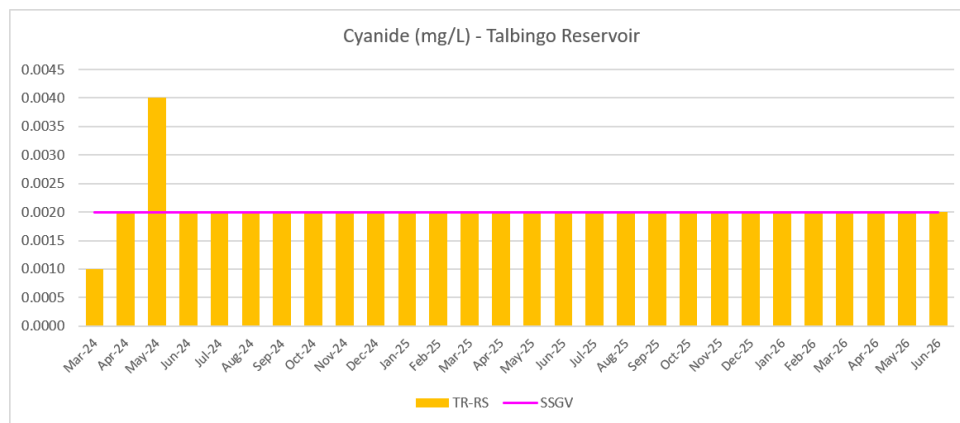


FIGURE 38: CYANIDE FOR TALBINGO RESERVOIR

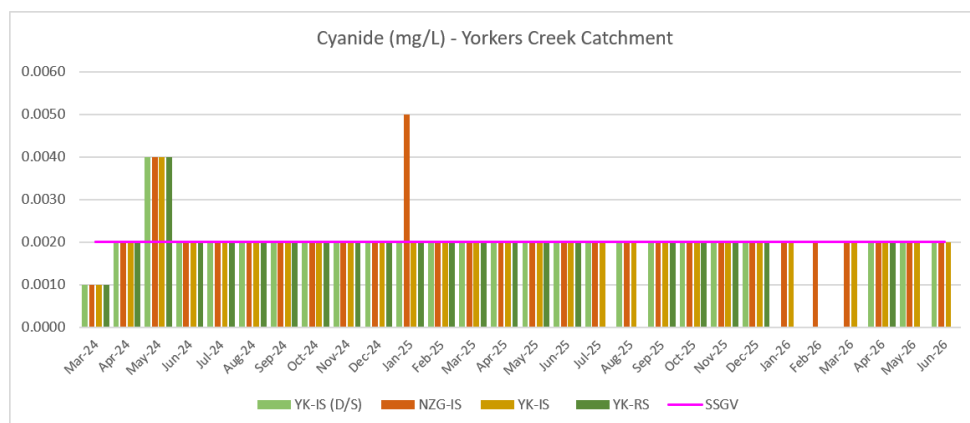


FIGURE 38: CYANIDE FOR YORKERS CREEK CATCHMENT

5.2.1.13 Total Hardness

Total Hardness (mg/L) values in June 2026 exhibited a general decrease from the prior month. In Yarrangobilly River Catchment, all sites were below the June-November SSGV except for SSC-IS and LHG-IS, with the latter recording a notable exceedance, refer Figure 39. Talbingo Reservoir (TR-RS) recorded a value on-par with the prior month, which was below the June-November SSGV, refer Figure 40. At Yorkers Creek Catchment, notable exceedances were exhibited at YK-IS(D/S) and NZG-IS, with all other sites below the June-November SSGV, refer Figure 41.

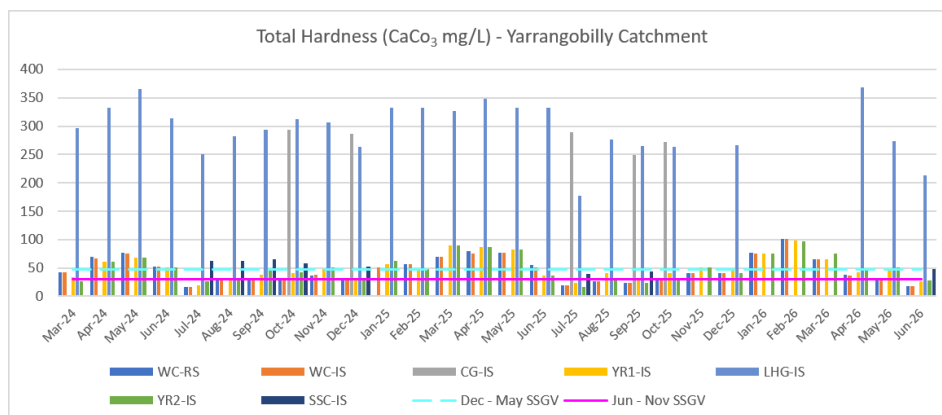


FIGURE 39: CaCO₃ FOR YARRANGOBILLY RIVER CATCHMENT

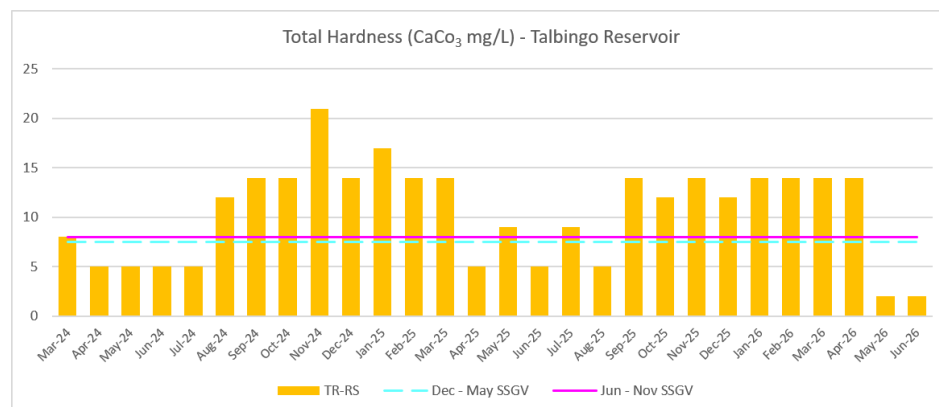


FIGURE 40: CaCO₃ FOR TALBINGO RESERVOIR

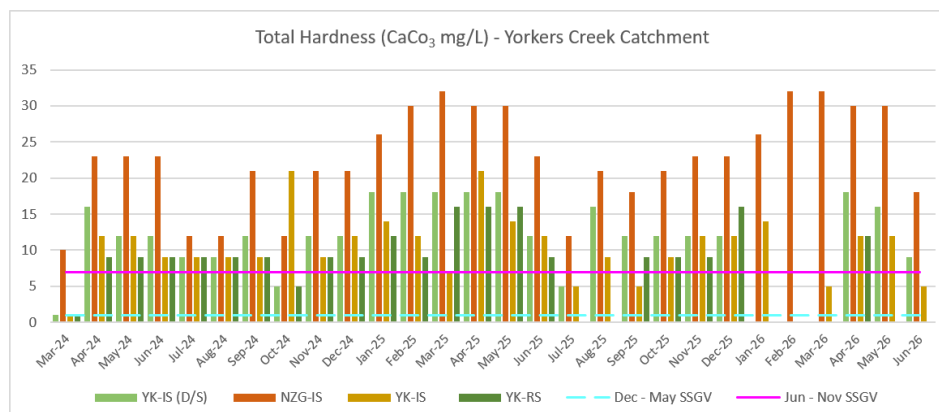


FIGURE 41: CaCO₃ FOR YORKERS CREEK CATCHMENT

5.2.1.14 Total Kjeldahl Nitrogen

During the June 2026 sampling period, the June-November SSGV was exceeded at four sites; SSC-IS, TR-RS, YK-IS(D/S) and NZG-IS. All other sites across all catchments (Yarrangobilly River Catchment, Talbingo Reservoir, Yorkers Creek Catchment) were either on-par with the June-November SSGV or below the LOR, refer Figure 42-Figure 44.

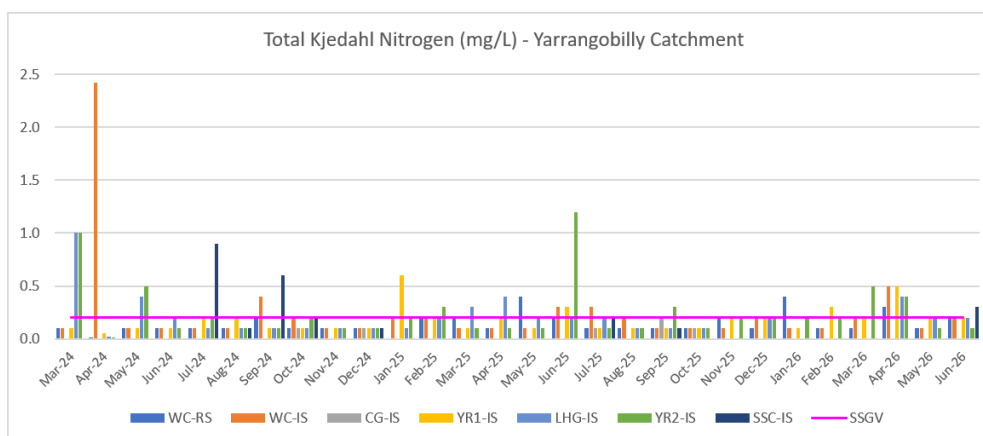


FIGURE 42: TKN FOR YARRANGOBILLY RIVER CATCHMENT

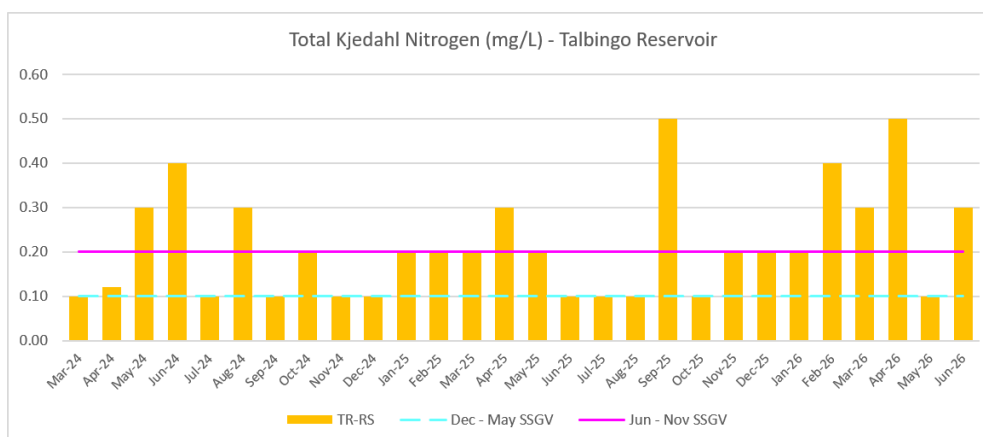


FIGURE 43: TKN FOR TALBINGO RESERVOIR

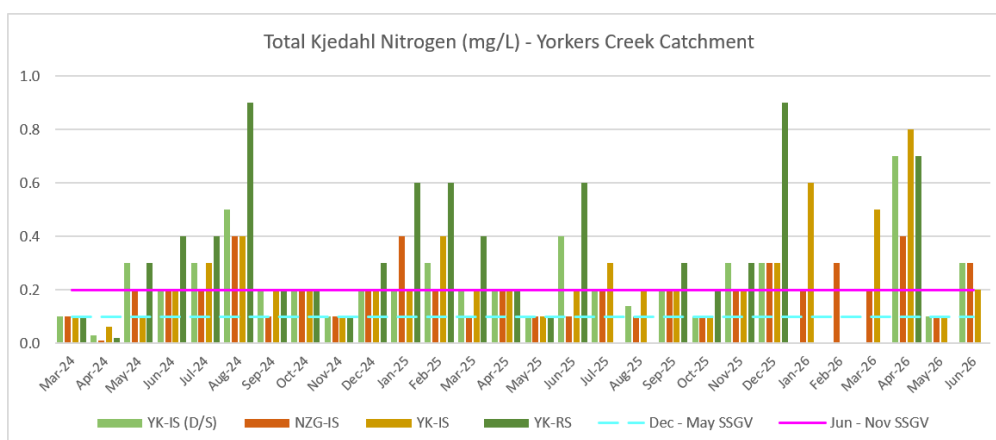


FIGURE 44: TKN FOR YORKERS CREEK CATCHMENT

5.2.1.15 Total Nitrogen

TN (mg/L) values recorded in June 2026 were mixed across the catchments. In Yarrangobilly River Catchment, all sites were on-par with the June-November SSGV or below the LOR, except for YR1-IS and SSC-IS, which marginally exceeded the SSGV, refer Figure 45. Talbingo Reservoir also marginally exceeded the June-November SSGV, refer Figure 46. In Yorkers Creek Catchment, two impact sites in Yorkers Creek Catchment (YK-IS(D/S), NZG-IS) exceeded the June-November SSGV (Figure 47).

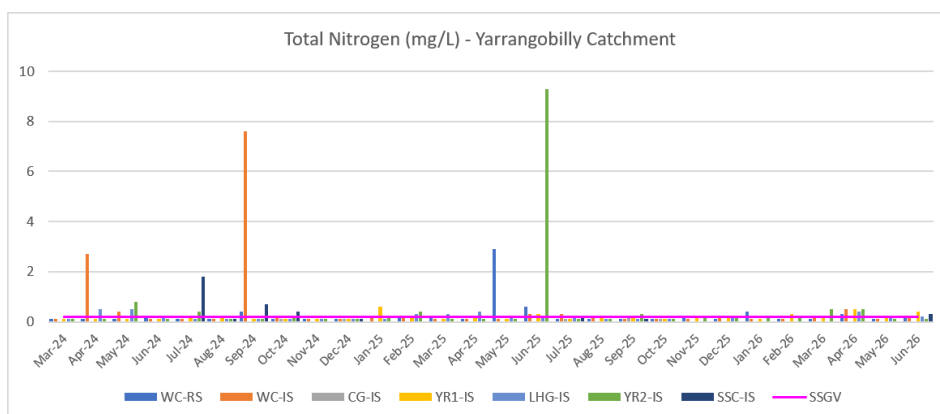


FIGURE 45: TN FOR YARRANGOBILLY RIVER CATCHMENT

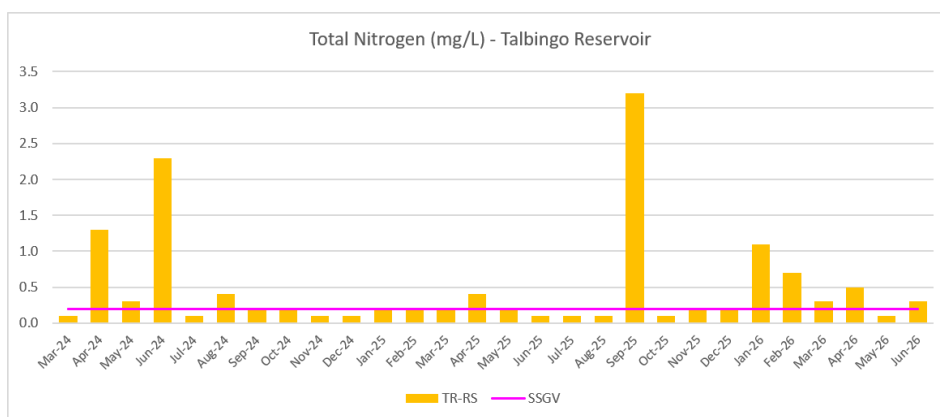


FIGURE 46: TN FOR TALBINGO RESERVOIR

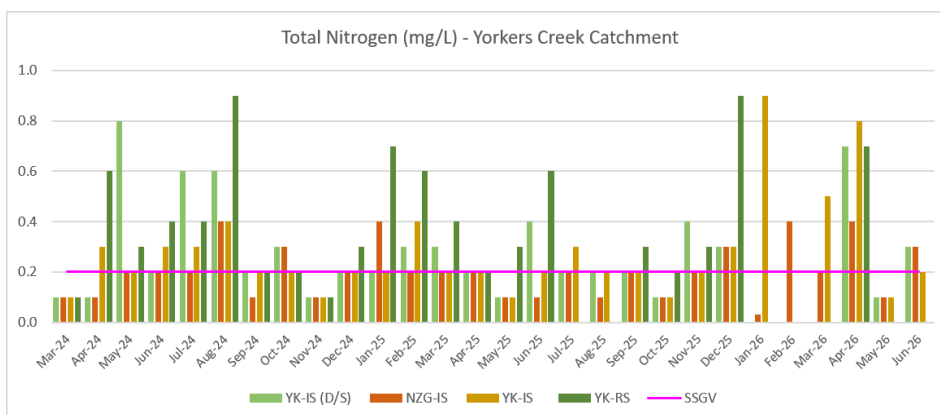


FIGURE 47: TN FOR YORKERS CREEK CATCHMENT

5.2.1.16 Total Phosphorus

During the June 2026 sampling period, Total Phosphorus (mg/L) values were below the LOR at all sites, except for WC-RS, which marginally exceeded the June-November SSGV, refer Figure 48 to Figure 50.

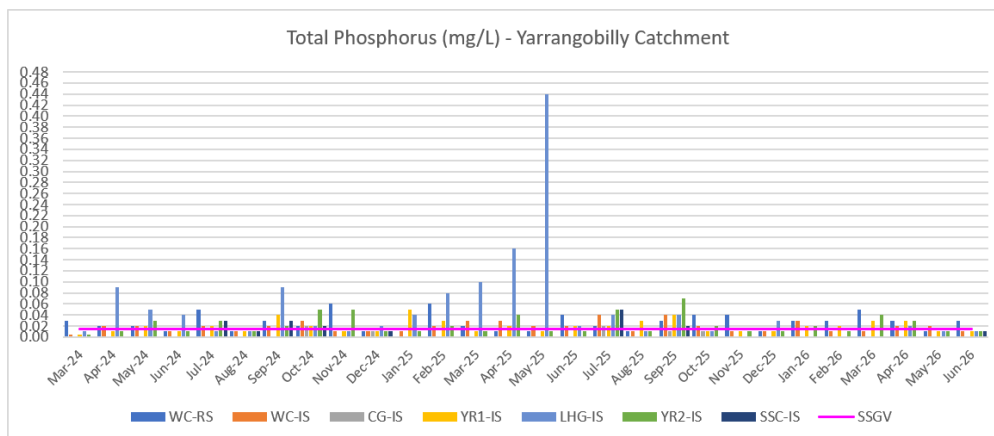


FIGURE 48: TP FOR YARRANGOBILLY RIVER CATCHMENT

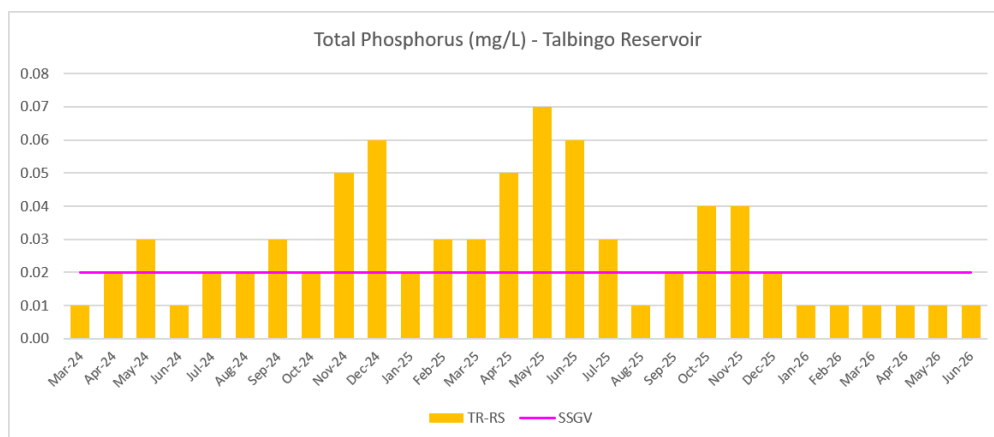


FIGURE 49: TP FOR TALBINGO RESERVOIR

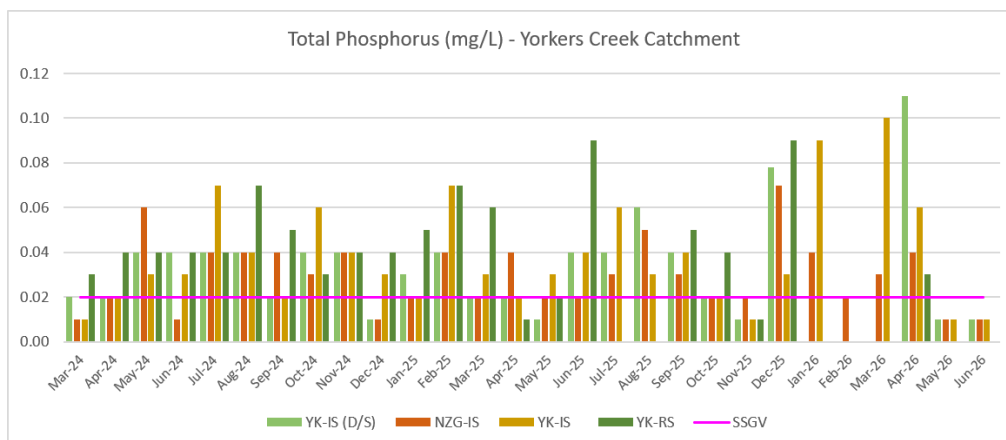


FIGURE 50: TP FOR YORKERS CREEK CATCHMENT

5.2.1.17 Reactive Phosphorus

All sites measured below the LOR for RP (mg/L), except for WC-RS which exhibited a value above the June-November SSGV during the June 2026 sampling period (Figure 51 - Figure 53).

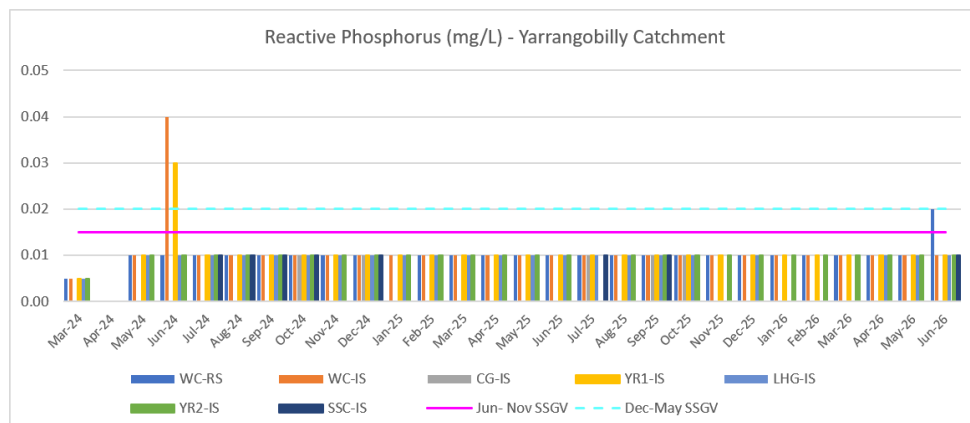


FIGURE 51: RP FOR YARRANGOBILLY RIVER CATCHMENT

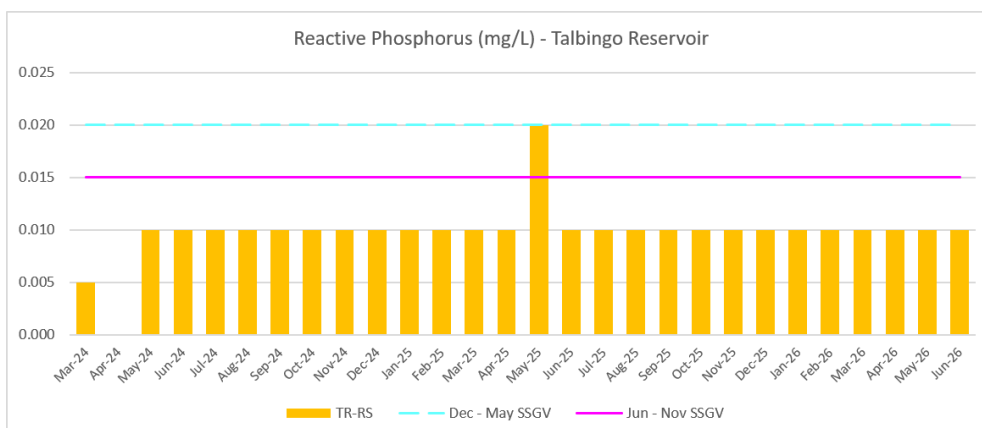


FIGURE 52: RP FOR TALBINGO RESERVOIR

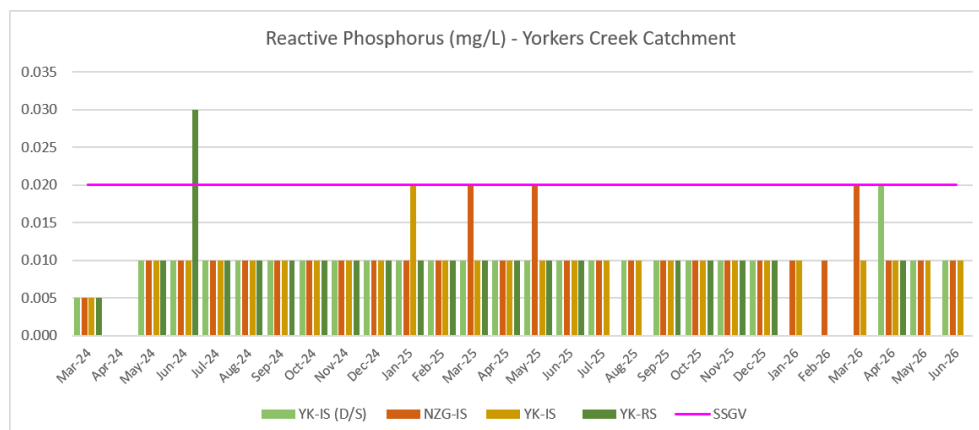


FIGURE 53: RP FOR YORKERS CREEK CATCHMENT

5.2.2 Dissolved Metals

Dissolved metals exceeding the relevant SSGV are listed in Table 4.

Table 4: Results for Dissolved Metals

DISSOLVED METALS RESULTS				
Analyte	Site	Result (mg/L)	SSGV (mg/L)	Comment
Al	WC-IS	0.05	0.04	The June-November SSGV (mg/L) for Dissolved Al was exceeded at three impact sites in Yarrangobilly River Catchment and the reference site at Talbingo Reservoir during the June 2026 sampling period.
	YR1-IS	0.06		
	YR2-IS	0.06	0.36	
	TR-RS	0.03	0.015	
Mn	WC-RS	0.003	0.002	Dissolved Mn (mg/L) values for the June 2026 sampling period exceeded the June - November SSGV at several sites across Yarrangobilly River Catchment and Yorkers Creek Catchment.
	YR1-IS	0.003		
	LHG-IS	0.014		
	YR2-IS	0.004		
	YK-IS(D/S)	0.006	0.003	
	NZG-IS	0.005		
	YK-IS	0.006		

5.2.3 Total Metals

Total metals exceeding the DGV are listed in Table 5.

Table 5: Results for Total Metals

TOTAL METALS RESULTS				
Analyte	Site	Result (mg/L)	DGV (mg/L)	Comment
Al	WC-RS	0.100	0.027	All sites exceeded the DGV value for Total Al (0.027mg/L) during the June 2026 sampling period, except for LHG-IS, which was within the DGV. A notable exceedance was exhibited at YK-IS(D/S) with a value of 1.0 mg/L.
	WC-IS	0.220		
	YR1-IS	0.330		
	YR2-IS	0.290		
	SSC-IS	0.200		
	TR-RS	0.100		
	YK-IS(D/S)	1.000		
	NZG-IS	0.110		
	YK-IS	0.210		
Cr	YK-IS (D/S)	0.002	0.00001	During the June 2026 sampling period, the DGV value for Total Cr (0.00001mg/L) was exceeded at YK-IS (D/S).
Zn	WC-IS	0.006	0.0024	Total Zn (mg/L) values exceeded the DGV (0.0024 mg/L) at the reference site in Yarrangobilly River Catchment (WC-RS) and Talbingo Reservoir (TR-RS).
	TR-RS	0.008		
Fe	YK-IS (D/S)	0.60	0.3	During the June 2026 sampling period, the DGV value for Fe (0.3mg/L) was exceeded at YK-IS(D/S).

6 DISCUSSION

Below is a summary of key observations and discussion points from the June 2026 monitoring results:

Potential influences on SWQ:

- Monitoring locations remained subject to potential influence from construction activities associated with the Project and the broader Snowy 2.0 project area. WC-IS was located adjacent to Mine Trail Road, YR1-IS was adjacent to a bridge, transmission infrastructure and a Snowy 2.0 laydown area, LHG-IS was adjacent to a haul road, and YK-IS was located near the substation works and Elliott Way.
- High water levels and moderate to fast-flowing conditions were observed at WC-RS, WC-IS, YR1-IS and YR2-IS. Murky water was observed at YR1-IS and YR2-IS. Increased flow and velocity may have mobilised natural bed and bank material, contributing to the elevated turbidity, TSS and total metal concentrations recorded at several locations.
- Evidence of a road washout from Mine Trail Road remained present in vegetation adjacent to YR2-IS. Exposed soil was also observed along the upper banks at YR1-IS. These conditions may contribute to localised sediment mobilisation during rainfall and increased flow events.
- Low-flow conditions were observed at LHG-IS, SSC-IS, TR-RS and the Yorkers Creek impact sites. Low-flow environments have a reduced capacity for dilution and may result in the concentration of dissolved constituents and greater variability in water quality results.
- YK-IS (D/S) was characterised by slow flow, murky water, a yellow tinge, woody debris, submerged vegetation and overhanging branches. These conditions may contribute to organic decomposition, sediment disturbance and the mobilisation of particulate-bound metals.
- NZG-IS contained slow-flowing, tinged water, a silty and eroded bed, encroaching vegetation and evidence of fauna activity. The monitoring location is adjacent to a publicly accessible four-wheel-drive track, which may contribute to localised erosion and sediment disturbance.
- TR-RS remains located within the publicly accessible O'Hares Campground and may be influenced by camping, recreational activities, avian activity and ancillary infrastructure associated with Talbingo Reservoir.
- Evidence of fauna activity, including tracks, scats and avian activity, was observed at several monitoring locations. Fauna activity may contribute to bank disturbance, sediment mobilisation and nutrient inputs.
- Vegetative detritus, woody debris, aquatic vegetation and submerged vegetation were observed at several locations. The decomposition of organic material may naturally influence nutrient concentrations, dissolved oxygen and other water quality parameters.

Sampling and analysis:

- Ten of the 12 monitoring locations were sampled during the June 2026 monitoring event. Based on the field observations and reported analytical results, CG-IS and YK-RS were dry or had no flow and could not be sampled.
- The absence of flow at YK-RS prevented direct comparison between the Yorkers Creek reference site and the three impact sites during the June monitoring event.
- June represents the commencement of the Winter/Spring monitoring period. Results were therefore assessed against the applicable June–November SSGVs.

- Electrical conductivity and redox measurements were not recorded during the June monitoring event. Consequently, changes in these parameters could not be assessed against the applicable SSGVs or previous monitoring results.
- Cyanide was below the laboratory limit of reporting at all sampled locations. Total phosphorus and reactive phosphorus were also below the laboratory limit of reporting at most locations.
- Interpretation of some analytical results remains limited where the applicable SSGV or DGV is equal to or lower than the laboratory limit of reporting.
- Higher-flow conditions at several Yarrangobilly River catchment locations and shallow, low-flow conditions at other locations may have increased natural variability and the potential for disturbance of bed material during sampling.

SWQ parameters:

- Water temperatures decreased at all sampled locations compared with May 2026. Mean temperatures decreased to approximately 8.4°C in the Yarrangobilly River catchment, 11.7°C at Talbingo Reservoir and 7.1°C in the Yorkers Creek catchment.
- pH exceeded the applicable June–November SSGV at all sampled locations across the three catchments.
- Dissolved oxygen generally increased compared with May 2026; however, results remained below the applicable June–November SSGV at all sampled locations.
- Specific conductance exceeded the applicable SSGV at SSC-IS and LHG-IS in the Yarrangobilly River catchment and at all sampled locations in the Yorkers Creek catchment. Results at the remaining Yarrangobilly River locations and TR-RS were below the applicable SSGV.
- Turbidity exceeded the applicable SSGV at all sampled locations. Notable results were recorded at WC-RS, SSC-IS and TR-RS.
- TSS exceeded the applicable SSGV at WC-RS, WC-IS, YR1-IS and SSC-IS. Results at all other sampled locations were below the laboratory limit of reporting.
- TDS exceeded the applicable SSGV at all sampled locations.
- Nitrogen oxides exceeded the applicable SSGV at WC-RS, WC-IS, YR1-IS, YR2-IS, SSC-IS and TR-RS. Results at LHG-IS and the sampled Yorkers Creek locations were below the laboratory limit of reporting.
- Ammonia exceeded the applicable SSGV at all sampled locations except SSC-IS and TR-RS, where concentrations were below the laboratory limit of reporting.
- Total hardness exceeded the applicable SSGV at SSC-IS and LHG-IS in the Yarrangobilly River catchment and at YK-IS (D/S) and NZG-IS in the Yorkers Creek catchment. Notable results were recorded at LHG-IS, YK-IS (D/S) and NZG-IS.
- TKN exceeded the applicable SSGV at SSC-IS, TR-RS, YK-IS (D/S) and NZG-IS. Results at the remaining sampled locations were consistent with the SSGV or below the laboratory limit of reporting.
- TN marginally exceeded the applicable SSGV at YR1-IS, SSC-IS and TR-RS and exceeded the SSGV at YK-IS (D/S) and NZG-IS.
- Total phosphorus and reactive phosphorus exceeded the applicable SSGV at WC-RS. Results at all other sampled locations were below the laboratory limit of reporting.
- Dissolved aluminium exceeded the applicable SSGV at WC-IS, YR1-IS, YR2-IS and TR-RS.

- Dissolved manganese exceeded the applicable June–November SSGV at WC-RS, YR1-IS, LHG-IS, YR2-IS, YK-IS (D/S), NZG-IS and YK-IS. The highest concentration was recorded at LHG-IS.
- Total aluminium exceeded the DGV at all sampled locations except LHG-IS. The highest concentration was recorded at YK-IS (D/S), at 1.0 mg/L.
- Total chromium and total iron exceeded their respective DGVs at YK-IS (D/S). These results coincided with murky water, slow flow, woody debris and submerged vegetation at this location.
- Total zinc exceeded the DGV at two locations, including TR-RS. The Yarrangobilly River site identifier should be confirmed against the laboratory results, as Table 5 lists WC-IS while the accompanying comment refers to WC-RS.
- Metal exceedances were recorded at both reference and impact sites. This indicates that natural catchment conditions, background geology, flow conditions and sediment mobilisation continue to influence the results. However, the elevated total aluminium, chromium and iron results at YK-IS (D/S) warrant continued review during subsequent monitoring events.
- The field observations did not record fish kills, significant algal blooms or other obvious indicators of an acute deterioration in aquatic ecosystem condition during the June monitoring event.

7 CONCLUSION

Monthly construction SWQ monitoring was undertaken in June 2026 in accordance with EPL 21753 and the revised methodology outlined in Section 3. Monitoring was completed at available flowing locations within the Yarrangobilly River, Talbingo Reservoir and Yorkers Creek catchments. Ten monitoring locations were sampled during the June monitoring event. Based on the field observations and analytical results, CG-IS and YK-RS were dry or had no flow and could not be sampled. Monitoring at the remaining locations included analysis of key physical and chemical parameters together with dissolved and total metals, which were assessed against the applicable June–November SSGVs and DGVs.

The June 2026 results identified exceedances of several parameters across the three catchments. pH, dissolved oxygen, turbidity and TDS exceeded or were outside the applicable guideline values at all sampled locations. Specific conductance, TSS, total hardness, nitrogen oxides, ammonia, TKN, TN, total phosphorus and reactive phosphorus also exceeded the applicable SSGVs at selected locations. Electrical conductivity and redox were not recorded during the June monitoring event and could not be assessed.

Higher water levels and flow velocities were observed at several Yarrangobilly River catchment locations. These conditions may have mobilised natural bed and bank material and contributed to the widespread turbidity exceedances, TSS exceedances and elevated total metal concentrations. Turbidity and TSS exceedances were recorded at the WC-RS reference site as well as impact sites, indicating that the results were not restricted to locations downstream of construction activities.

Dissolved metal exceedances were associated primarily with aluminium and manganese. Dissolved aluminium exceeded the applicable SSGV at WC-IS, YR1-IS, YR2-IS and TR-RS, while dissolved manganese exceeded the applicable SSGV at several Yarrangobilly River and Yorkers Creek locations. The highest dissolved manganese concentration was recorded at LHG-IS, which also recorded notable specific conductance, TDS and total hardness results under low-flow conditions.

Total aluminium exceeded the DGV at all sampled locations except LHG-IS. The highest total aluminium concentration was recorded at YK-IS (D/S), which also exceeded the DGVs for total chromium and total iron. The site was characterised by slow flow, murky water, woody debris and submerged vegetation. These conditions may have contributed to the mobilisation or concentration of naturally occurring particulate and organic material. The absence of flow at YK-RS limited the ability to determine whether these results were representative of broader background conditions within the Yorkers Creek catchment.

Field observations recorded varying flow conditions, murky or tinged water, vegetative debris, aquatic vegetation, exposed banks, bed erosion, silt deposition and fauna activity across the monitored catchments. No field evidence of significant algal blooms, fish kills or an acute deterioration in aquatic ecosystem condition was recorded.

Overall, the June 2026 results reflect the combined influence of seasonal conditions, variable flow regimes, natural catchment processes, background geochemistry, organic material and sediment mobilisation. Exceedances were recorded at both reference and impact sites, and the results did not demonstrate a consistent spatial pattern indicating that construction activities were the sole or primary cause of the observed water quality conditions. Continued monitoring is recommended, with particular attention to the elevated metal results at YK-IS (D/S), the conductivity, TDS, hardness and dissolved manganese trends at LHG-IS, and comparison of the Yorkers Creek impact sites with YK-RS when flow conditions allow sampling. Based on the available data, there is no clear evidence that construction activities are the primary driver of the water quality trends observed during the June 2026 monitoring period.



Appendix A: Field Sheet (UGL, 2025)

WATER QUALITY MONITORING FIELD SHEET

Date: 8.6.2026

Personnel: LL + MN

Sampling Purpose: June monthly water quality monitoring

Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	Observations
DGV:		-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	Weather Pre 24 hrs: Fine, overcast
Dec - May SSGV:		-	-	96.2	115	7.85	0.37	0.2	Weather Forecast: 50% <1mm
Jun - Nov SSGV:		-	-	89.7	88	7.62	5.12	1	Weather Time of Sampling: overcast, cold
WC-RS Wallace Creek	8:50	7.5°C	723.2	85.1	72.9	8.32	17.99	—	fast, high flow higher water levels slight tinge to water reeds & grasses on bank.
WC-IS Wallace Creek	9:04	6.7°C	723.5	85.3	56	8.17	11.22	—	fast, high velocity higher water levels debris in bank below haul bridge vegetation in stream
CG-IS Cave Gully									
YR-IS Yarrangobilly River		6.5	723.9	85.1	68.8	8.01	12.6	—	high flow, strong velocity weeds + black berries thick vegetation on high bank slight tinge to water, murky debris on bank.

DRY

WATER QUALITY MONITORING FIELD SHEET

Date: 8.6.2026		Personnel: LL + MN				Sampling Purpose: June monthly WQM			
Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	Observations
DGV:		-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	Weather Pre 24 hrs: Fine, overcast
Dec - May SSGV:		-	-	96.2	115	7.85	0.37	0.2	Weather Forecast: 50% < 1mm
Jun - Nov SSGV:		-	-	89.7	88	7.62	5.12	1	Weather Time of Sampling: overcast, cold
LHG-IS Lick Hole Gully	10:07	10.1	722.9	82.2	478.4	7.97	10.57	—	slight flow rocky bed, moss on pebbles in bank vegetation (grasses) on banks reeds + veg through river bed.
YR2-IS Yarrangobilly River	10:29	8.7	725.6	88	80.8	8.07	7.56	—	high levels, medium flow murky, yellow tinge reeds + aquatic veg on beds below havi road bridge
SSC-IS Sheep Station Creek	10:47	10.9	725.3	84.1	121.6	7.64	24.36	—	slow flow, v. murky, yellow tinge overhanging + submerged veg. in stream aquatic veg + grasses blackberry on banks
TR-RS Talbingo Reservoir	12:20	11.7	725	92.2	32.1	7.67	4.20	—	calm, fauna on water campers in area vegetation on banks slow flow.

WATER QUALITY MONITORING FIELD SHEET

Date: 8.6.2026 Personnel: LL + MN Sampling Purpose: June monthly WQM

Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	Observations
DGV:	-	-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	Weather Pre 24 hrs: Fine, overcast
Dec - May SSGV:	-	-	-	96.2	115	7.85	0.37	0.2	Weather Forecast: 50% <1mm
Jun - Nov SSGV:	-	-	-	89.7	88	7.62	5.12	1	Weather Time of Sampling: overcast, cold

dry

YK-RS
Yorkers Creek

YK-IS
(D/S)
Yorkers Creek

NZG-IS
New Zealand
Gully

YK-IS
Yorkers Creek

13:15	7.8	677.3	78.3	36.1	7.78	11.8	—	slow flow evidence of fauna on bank vegetation in/on bank murky tinge grasses in bank
14:09	6.7	678.8	79.4	52.7	7.4	8.54	—	slow flow sandy bed blackberries fauna activity grassy veg, reeds slight tinge evident low flow
13:39	6.8	675.3	77.5	30.7	7.6	12.02	—	slow flow murky BATH TJV work area, adjacent to EW yellow tinge mossy pebbles, vegetation on banks evidence of fauna



Appendix B: COA (ALS, 2025a), QA/QC Assessment (ALS, 2025b) and QCR (ALS, 2025c)



CERTIFICATE OF ANALYSIS

Work Order	: ES2618640	Page	: 1 of 8
Client	: UGL LIMITED	Laboratory	: Environmental Division Sydney
Contact	: LAUREN LOGUE	Contact	: Customer Services ES
Address	: Level 4, 40 Miller Street North Sydney 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: ----	Date Samples Received	: 11-Jun-2026 09:38
Order number	: 4501837828	Date Analysis Commenced	: 15-Jun-2026
C-O-C number	: ----	Issue Date	: 18-Jun-2026 17:16
Sampler	: LAUREN LOGUE		
Site	: Cabramurra/Tumbarumba NSW		
Quote number	: ES24UGLLIM0001_V5		
No. of samples received	: 11		
No. of samples analysed	: 11		



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW

right solutions. right partner.

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 Work Order : ES2618640
 Client : UGL LIMITED
 Project : ----

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
 LOR = Limit of reporting
 ^ = This result is computed from individual analyte detections at or above the level of reporting
 @ = ALS is not NATA accredited for these tests.
 -- = Indicates an estimated value.

- TDS by method EA-015 may bias high due to the presence of fine particulate matter, which may pass through the prescribed GF/C paper.
- Sodium Adsorption Ratio (where reported): Where results for Na, Ca or Mg are <LOR, a concentration at half the reported LOR is incorporated into the SAR calculation. This represents a conservative approach for Na relative to the assumption that <LOR = zero concentration and a conservative approach for Ca & Mg relative to the assumption that <LOR is equivalent to the LOR concentration.

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	WC-RS	WC-IS	YR1-IS	LHG-IS	YR2-IS
Sampling date / time				08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00
Compound	CAS Number	LOR	Unit	ES2618640-001	ES2618640-002	ES2618640-003	ES2618640-004	ES2618640-005	
				Result	Result	Result	Result	Result	
EA015: Total Dissolved Solids dried at 180 ± 5 °C									
Total Dissolved Solids @180°C	----	10	mg/L	42	51	52	276	54	
EA025: Total Suspended Solids dried at 104 ± 2°C									
Suspended Solids (SS)	----	1	mg/L	2	2	2	<1	<1	
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO3	----	1	mg/L	18	18	26	213	28	
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L	0.04	0.05	0.06	<0.01	0.06	
Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Zinc	7440-66-6	0.005	mg/L	<0.005	0.005	<0.005	<0.005	<0.005	
Manganese	7439-96-5	0.001	mg/L	0.003	0.002	0.003	0.014	0.004	
Silver	7440-22-4	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Iron	7439-89-6	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L	0.10	0.22	0.33	0.02	0.29	
Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	
Zinc	7440-66-6	0.005	mg/L	<0.005	0.006	<0.005	<0.005	<0.005	
Manganese	7439-96-5	0.001	mg/L	0.009	0.010	0.010	0.016	0.009	

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	WC-RS	WC-IS	YR1-IS	LHG-IS	YR2-IS
Sampling date / time					08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00
Compound	CAS Number	LQR	Unit		ES2618640-001	ES2618640-002	ES2618640-003	ES2618640-004	ES2618640-005
					Result	Result	Result	Result	Result
EG020T: Total Metals by ICP-MS - Continued									
Silver	7440-22-4	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Iron	7439-89-6	0.05	mg/L		0.11	0.22	0.27	<0.05	0.24
EG038F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK026SF: Total CN by Segmented Flow Analyser									
Total Cyanide	57-12-5	0.002	mg/L		<0.002	<0.002	<0.002	<0.002	<0.002
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		0.11	0.02	0.11	0.02	0.02
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		0.02	0.02	0.23	<0.01	0.02
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	---	0.01	mg/L		0.02	0.02	0.23	<0.01	0.02
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	---	0.1	mg/L		0.2	0.2	0.2	0.2	0.1
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
Total Nitrogen as N	---	0.1	mg/L		0.2	0.2	0.4	0.2	0.1
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	---	0.01	mg/L		0.03	0.01	0.01	<0.01	0.01
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L		0.02	<0.01	<0.01	<0.01	<0.01

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	SSC-IS	TR-RS	TR-RS(DUP)	YK-IS d/s	NZG-IS
Sampling date / time					08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00
Compound	CAS Number	LQR	Unit		ES2618640-006	ES2618640-007	ES2618640-008	ES2618640-009	ES2618640-010
					Result	Result	Result	Result	Result
EA015: Total Dissolved Solids dried at 180 ± 5 °C									
Total Dissolved Solids @180°C	----	10	mg/L		84	22	28	50	57
EA026: Total Suspended Solids dried at 104 ± 2°C									
Suspended Solids (SS)	----	1	mg/L		2	<1	<1	1	<1
ED093F: SAR and Hardness Calculations									
Total Hardness as CaCO3	----	1	mg/L		48	2	5	9	18
EG020F: Dissolved Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		0.04	0.03	0.03	0.14	0.09
Arsenic	7440-38-2	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	7440-47-3	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Zinc	7440-66-6	0.005	mg/L		<0.005	<0.005	<0.005	<0.005	<0.005
Manganese	7439-96-5	0.001	mg/L		0.002	0.001	0.001	0.006	0.005
Silver	7440-22-4	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Iron	7439-89-6	0.05	mg/L		<0.05	<0.05	<0.05	0.16	0.13
EG020T: Total Metals by ICP-MS									
Aluminium	7429-90-5	0.01	mg/L		0.20	0.10	0.09	1.00	0.11
Arsenic	7440-38-2	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium	7440-43-9	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Chromium	7440-47-3	0.001	mg/L		0.001	<0.001	<0.001	0.002	<0.001
Copper	7440-50-8	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	7440-02-0	0.001	mg/L		<0.001	<0.001	<0.001	0.001	<0.001
Lead	7439-92-1	0.001	mg/L		<0.001	<0.001	0.001	<0.001	<0.001
Zinc	7440-66-6	0.005	mg/L		<0.005	0.008	0.024	0.005	<0.005
Manganese	7439-96-5	0.001	mg/L		0.004	0.009	0.007	0.010	0.006

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 Work Order : ES2618640
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Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	SSC-IS	TR-RS	TR-RS(DUP)	YK-IS d/s	NZG-IS
Sampling date / time					08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00	08-Jun-2026 00:00
Compound	CAS Number	LOR	Unit		ES2618640-006	ES2618640-007	ES2618640-008	ES2618640-009	ES2618640-010
					Result	Result	Result	Result	Result
EG020T: Total Metals by ICP-MS - Continued									
Silver	7440-22-4	0.001	mg/L		<0.001	<0.001	<0.001	<0.001	<0.001
Iron	7439-89-6	0.05	mg/L		0.12	0.12	0.16	0.60	0.18
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
EK026SF: Total CN by Segmented Flow Analyser									
Total Cyanide	57-12-5	0.002	mg/L		<0.002	<0.002	<0.002	<0.002	<0.002
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		0.01	0.01	0.01	0.02	0.04
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-65-8	0.01	mg/L		0.04	0.04	0.04	<0.01	<0.01
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		0.04	0.04	0.04	<0.01	<0.01
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.3	0.3
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
Total Nitrogen as N	----	0.1	mg/L		0.3	0.3	0.2	0.3	0.3
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.01
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	0.01

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)		Sample ID		YK-IS	.....	.....	.....	.....
Sampling date / time		08-Jun-2026 00:00		.....	.....	.....	.....	.....
Compound	CAS Number	LOR	Unit	ES2618640-011	.....	.....	.....	.....
Result				.....	.....	.....	.....	.....
EA015: Total Dissolved Solids dried at 180 ± 5 °C								
Total Dissolved Solids @180°C	.....	10	mg/L	52	.....	.....	.....	.....
EA025: Total Suspended Solids dried at 104 ± 2°C								
Suspended Solids (SS)	.....	1	mg/L	<1	.....	.....	.....	.....
ED093F: SAR and Hardness Calculations								
Total Hardness as CaCO3	.....	1	mg/L	5	.....	.....	.....	.....
EG020F: Dissolved Metals by ICP-MS								
Aluminium	7429-90-5	0.01	mg/L	0.16	.....	.....	.....	.....
Arsenic	7440-38-2	0.001	mg/L	<0.001	.....	.....	.....	.....
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	.....	.....	.....	.....
Chromium	7440-47-3	0.001	mg/L	<0.001	.....	.....	.....	.....
Copper	7440-50-8	0.001	mg/L	<0.001	.....	.....	.....	.....
Nickel	7440-02-0	0.001	mg/L	<0.001	.....	.....	.....	.....
Lead	7439-92-1	0.001	mg/L	<0.001	.....	.....	.....	.....
Zinc	7440-66-6	0.005	mg/L	<0.005	.....	.....	.....	.....
Manganese	7439-96-5	0.001	mg/L	0.006	.....	.....	.....	.....
Silver	7440-22-4	0.001	mg/L	<0.001	.....	.....	.....	.....
Iron	7439-89-6	0.05	mg/L	0.18	.....	.....	.....	.....
EG020T: Total Metals by ICP-MS								
Aluminium	7429-90-5	0.01	mg/L	0.21	.....	.....	.....	.....
Arsenic	7440-38-2	0.001	mg/L	<0.001	.....	.....	.....	.....
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	.....	.....	.....	.....
Chromium	7440-47-3	0.001	mg/L	<0.001	.....	.....	.....	.....
Copper	7440-50-8	0.001	mg/L	<0.001	.....	.....	.....	.....
Nickel	7440-02-0	0.001	mg/L	<0.001	.....	.....	.....	.....
Lead	7439-92-1	0.001	mg/L	<0.001	.....	.....	.....	.....
Zinc	7440-66-6	0.005	mg/L	<0.005	.....	.....	.....	.....
Manganese	7439-96-5	0.001	mg/L	0.008	.....	.....	.....	.....

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	YK-4S				
Sampling date / time					08-Jun-2026 00:00				
Compound	CAS Number	LOR	Unit		ES2618640-011				
					Result				
EG020T: Total Metals by ICP-MS - Continued									
Silver	7440-22-4	0.001	mg/L		<0.001				
Iron	7439-89-6	0.05	mg/L		0.25				
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001				
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<0.0001				
EK026SF: Total CN by Segmented Flow Analyser									
Total Cyanide	57-12-5	0.002	mg/L		<0.002				
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		0.02				
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L		<0.01				
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		<0.01				
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N		0.01	mg/L		<0.01				
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N		0.1	mg/L		0.2				
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
Total Nitrogen as N		0.1	mg/L		0.2				
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P		0.01	mg/L		0.01				
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L		<0.01				

Appendix C: June 2026 WQ Monitoring Results

			Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)
Parameter																					
VARRANGOBILLY CATCHMENT																					
Default Guideline Value (DGV)			No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2	0.00006
Limit of Reporting (LOR)					-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
Dec - May Site Specific Guideline Value (SSGV)					96.2	9.08	115	93.2	7.85	79.1	0.37	0.03	0.0003	0.00002	0.00001	0.0002	0.002	0.03	0.001	0.002	0.00003
June - Nov SSGV					89.7	10.28	88	60.85	7.62	98.4	5.12	0.04	0.0003	0.00002	0.00001	0.0002	0.002	0.02	0.001	0.002	0.00003
WC-RS	Mar-24	No	10.7	87.5	9.72	143.6	104.3	7.80	25.9	0.1	0.01	0.0015	0.00001	0.00001	0.0001	0.002	0.01	0.03	0.002	0.003	0.00002
	Apr-24	No	10.7	94.8	-	145.6	-	8.44	-	1.05	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.11	0.001	0.007	0.0001
	May-24	No	2.1	93.8	-	155	-	8.05	-	0.39	0.01	0.001	0.0001	0.0001	0.001	0.001	0.004	0.05	0.001	0.009	0.0001
	Jun-24	No	4.7	92.9	-	126.8	-	7.51	-	0.56	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.005	0.0001
	Jul-24	No	6.4	91.9	-	46.6	-	6.96	-	9.24	0.07	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Aug-24	No	10.4	80.6	-	47.1	-	7.80	-	1.6	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Sep-24	No	11.7	92.0	-	43	-	7.86	-	0.5	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Oct-24	No	9.3	92.7	-	52	-	7.55	-	1.3	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Nov-24	No	12.2	90.6	9.7	82	82	7.63	235	0.6	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	Dec-24	Yes	12.7	90.0	10.0	41.8	71.0	7.75	250	1.4	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
*sample not an	Jan-25	No	26.6	83.2	-	27.3	-	8.13	-	0.65	-	-	-	-	-	-	-	-	-	-	-
	Feb-25	No	16.3	86.0	9.2	26.3	123	7.76	158	4.01	0.06	0.001	0.0001	0.0001	0.001	0.001	0.002	0.08	0.001	0.008	0.0001
	Mar-25	Yes	14.7	92.7	9.8	34.6	145	8.32	162	1.16	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.008	0.0001
	Apr-25	No	17.6	91.8	10.5	34	155	8.19	202	0.9	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.007	0.0001
	May-25	Yes	9.9	96.0	-	33.7	24	8.59	110.8	1.04	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.007	0.0001
	Jun-25	No	5.9	89.1	-	12.4	7.9	8.63	113.9	2.87	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.005	0.0001
	Jul-25	No	8.6	87.6	-	11.3	7.7	9.20	193.5	5.9	0.06	0.001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001
	Aug-25	No	9.7	94.9	-	15.4	9.8	7.00	294.9	3.93	0.02	0.001	0.0001	0.0001	0.001	0.001	-	0.05	0.001	0.001	0.0001
*sample not an	Sep-25	No	5.3	93.3	-	101.1	63.1	8.20	177.5	0.8	0.03	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Oct-25	Yes	8.6	93.4	-	86.7	59.6	7.59	111.6	0.88	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Nov-25	No	16.3	76.4	-	99.2	4	7.88	161.3	0.73	0.01	0.001	0.0001	0.0001	0.001	0.014	0.002	0.05	0.001	0.003	0.0001
	Dec-25	No	17.2	80.1	-	109.9	93.5	7.95	148	4.54	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jan-26	No	27.6	90.2	-	84	88.1	8.22	113.9	6.91	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.054	0.0001
	Feb-26	Yes	19.2	86.3	-	212	188.4	7.99	151.1	1.69	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.011	0.0001
	Mar-26	No	18.2	87.5	-	141.3	123.6	7.96	156.9	1.80	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.009	0.0001
	Apr-26	No	12.0	78.6	-	85.9	64.3	7.91	131.9	1.54	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	May-26	No	9.2	80.8	-	112.8	78.7	8.01	119.7	2.34	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.005	0.0001
	Jun-26	No	7.5	85.1	-	72.9	-	8.32	-	17.99	0.04	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
WC-IS	Mar-24	No	10.7	87.1	9.68	145.9	105.9	7.83	41.9	0.1	0.03	0.00015	0.00001	0.00001	0.00001	0.002	0.01	0.03	0.002	0.003	0.00002
	Apr-24	No	10.7	95.0	-	145.2	-	8.45	-	0.9	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.07	0.001	0.006	0.0001
	May-24	No	2.1	94.1	-	154.9	-	7.86	-	0.3	0.01	0.001	0.0001	0.0001	0.001	0.001	0.004	0.05	0.001	0.007	0.0001
	Jun-24	No	4.8	93.3	-	126.7	-	7.72	-	0.35	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	Jul-24	No	6.6	91.2	-	46.6	-	6.96	-	7.65	0.07	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Aug-24	No	10.5	91.5	-	45.6	-	7.83	-	5.85	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Sep-24	No	11.7	92.9	-	54.4	-	7.83	-	5.5	0.04	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Oct-24	No	9.5	93.3	-	52.1	-	7.68	-	1.4	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Nov-24	No	12.2	90.4	9.9	82	82	7.63	245	0.3	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Dec-24	No	12.7	91.1	10.1	41.3	72	7.48	259	1.4	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Jan-25	No	17.8	85.7	9.1	24.5	108	7.80	232	2.75	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.007	0.0001
	Feb-25	No	16.3	85.2	9.4	26	123	7.80	164	4.08	0.06	0.001	0.0001	0.0001	0.001	0.001	0.002	0.08	0.001	0.007	0.0001
	Mar-25	No	16.1	95.8	9.7	31.8	145	8.33	170	1.13	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.006	0.0001
	Apr-25	No	17.3	92.8	10.6	33.5	155	8.66	197	1.02	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.005	0.0001
	May-25	No	9.4	96.1	-	34.3	24.1	8.71	110.9	1.4	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.006	0.0001
	Jun-25	No	5.8	89.6	-	24.5	15.5	8.30	113.6	5.1	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jul-25	No	8.1	85.9	-	11.2	7.6	9.40	199.4	9.92	0.06	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Aug-25	No	10.3	96.5	-	13.7	9.8	7.00	294.9	3.93	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Sep-25	No	5.2	93.9	-	72.1	44.9	8.50	178.5	6	0.03	0.001	0.0001	0.0001	0.001	0.003	0.002	0.05	0.001	0.002	0.0001
	Oct-25	No	11.9	100.6	-	89.7	67.2	7.64	110.3	0.88	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Nov-25	No	14.7	76.5	-	95.3	76.5	7.84	147	1.15	0.01	0.001	0.0001	0.0001	0.001	0.005	0.002	0.05	0.001	0.003	0.0001
	Dec-25	No	17.6	81.8	-	109	93.5	8.10	132.1	4.29	0.02	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jan-26	No	24.3	87.8	-	181.8	88.1	8.22	113.9	6.91	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.006	0.0001
	Feb-26	No	21.0	90.4	-	206.9	191.7	8.05	145.6	1.28	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.008	0.0001
	Mar-26	No	18.3	87.2	-	68.9	60.8	8.03	135.8	2.54	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.007	0.0001
	Apr-26	No	11.7	78.5	-	85.7	64	8.01	130	0.8	0.01	0.001	0.0001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001

		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphorus (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjeda Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)	
Parameter																										
YARRANGOBILLY CATCHMENT																										
Default Guideline Value (DGV)		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006	
Limit of Reporting (LOR)		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.010	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
Dec - May Site Specific Guideline Value (SSGV)		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.020	47	0.2	52	0.2													
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	30	0.2	39	1.0													
WC-RS	Mar-24	0.001	0.1	0.03	0.00001	0.001	0.050	0.05	0.005	42	0.1	70	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	-	70	0.01	-	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.05	0.0001	
	May-24	0.001	0.1	0.02	0.001	0.005	0.020	0.01	0.01	77	0.1	102	5	0.01	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.05	0.0001	
	Jun-24	0.001	0.2	0.01	0.001	0.005	0.010	0.23	0.01	53	0.1	81	2	0.01	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.05	0.0001	
	Jul-24	0.001	0.1	0.05	0.001	0.005	0.010	0.01	0.01	17	0.1	38	8	0.09	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.09	0.0001	
	Aug-24	0.001	0.1	0.01	0.001	0.032	0.010	0.01	0.01	28	0.1	51	4	0.06	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.07	0.0001	
	Sep-24	0.001	0.4	0.03	0.001	0.005	0.040	0.22	0.01	31	0.2	65	3	0.04	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.05	0.0001	
	Oct-24	0.001	0.1	0.02	0.001	0.005	0.010	0.02	0.01	31	0.1	46	1	0.07	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.1	0.0001	
	Nov-24	0.001	0.1	0.06	0.001	0.005	0.020	0.02	0.01	36	0.1	60	2	0.01	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001	
	Dec-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	31	0.1	51	2	0.09	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.08	0.0001	
	*sample not analysed	Jan-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	*sample not analysed	Feb-25	0.001	0.2	0.06	0.001	0.005	0.040	0.02	0.01	57	0.2	61	2	0.16	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.006	0.15	0.0001
Mar-25		0.001	0.2	0.02	0.001	0.005	0.020	0.01	0.01	70	0.2	90	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.05	0.0001	
Apr-25		0.001	0.1	0.01	0.001	0.005	0.020	0.01	0.01	80	0.1	88	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.06	0.0001	
May-25		0.001	2.9	0.01	0.001	0.005	0.020	2.5	0.01	77	0.4	104	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.05	0.0001	
Jun-25		0.001	0.6	0.04	0.001	0.005	0.010	0.42	0.01	55	0.2	84	3	0.08	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.09	0.0001	
Jul-25		0.001	0.1	0.02	0.001	0.005	0.010	0.1	0.01	19	0.1	36	6	0.17	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.16	0.0001	
Aug-25		0.001	0.1	0.01	0.001	0.005	0.070	0.1	0.01	26	0.1	37	1	0.05	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001	
Sep-25		0.001	0.1	0.03	0.001	0.01	0.010	0.01	0.01	23	0.1	46	1	0.09	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.07	0.0001	
Oct-25		0.001	0.1	0.04	0.001	0.005	0.040	0.01	0.01	33	0.1	44	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001	
Nov-25		0.001	0.2	0.04	0.001	0.025	0.010	0.01	0.01	41	0.2	52	1	0.02	0.001	0.0001	0.001	0.019	0.001	0.004	0.001	0.005	0.028	0.05	0.0001	
Dec-25		0.001	0.1	0.01	0.001	0.005	0.030	0.02	0.01	41	0.1	93	3	0.11	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.12	0.0001	
WC-IS		Jan-26	0.001	0.4	0.03	0.001	0.054	0.010	0.02	0.01	77	0.4	125	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.057	0.09	0.0001
	Feb-26	0.001	0.1	0.03	0.001	0.012	0.003	0.01	0.01	101	0.1	121	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.010	0.08	0.0001	
	Mar-26	0.001	0.1	0.05	0.001	0.011	0.010	0.02	0.01	65	0.1	91	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.011	0.05	0.0001	
	Apr-26	0.001	0.3	0.03	0.001	0.005	0.010	0.01	0.01	38	0.3	58	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.05	0.0001	
	May-26	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	31	0.1	62	3	0.03	0.001	0.0002	0.001	0.001	0.001	0.006	0.001	0.001	0.007	0.05	0.0001	
	Jun-26	0.001	0.2	0.03	0.001	0.005	0.110	0.02	0.02	18	0.2	42	2	0.1	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.11	0.0001	
	Mar-24	0.0005	0.1	0.005	0.00001	0.001	0.050	0.05	0.005	42	0.1	86	0.1	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-24	0.001	2.3	0.02	0.001	0.005	0.010	2.42	-	67	2.42	-	11	0.15	0.001	0.0001	0.001	0.001	0.001	0.022	0.004	0.001	0.005	0.22	0.0001	
	May-24	0.001	0.4	0.02	0.001	0.005	0.010	0.31	0.01	75	0.1	106	5	0.01	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.05	0.0001	
	Jun-24	0.001	0.1	0.01	0.001	0.005	0.010	0.02	0.04	53	0.1	81	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.05	0.0001	
	Jul-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	17	0.1	42	5	0.11	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.1	0.0001	
	Aug-24	0.001	0.1	0.01	0.001	0.006	0.010	0.03	0.01	28	0.1	45	4	0.06	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.06	0.0001	
Sep-24	0.001	7.8	0.02	0.001	0.017	0.010	7.21	0.01	33	0.4	113	3	0.02	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.05	0.0001		
Oct-24	0.001	0.2	0.03	0.001	0.005	0.010	0.02	0.01	31	0.2	39	2	0.08	0.001	0.0001	0.001	0.001	0.001	0.004	0.005	0.001	0.005	0.12	0.0001		
Nov-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	38	0.1	58	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001		
Dec-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	33	0.1	51	2	0.08	0.001	0.0001	0.001	0.001	0.001	0.006							

		Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)
Parameter																				
YARRANGOBILLY CATCHMENT																				
Default Guideline Value (DGV)		No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2	0.00006
Limit of Reporting (LOR)		-	-	-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
Dec - May Site Specific Guideline Value (SSGV)				96.2	9.08	115	93.2	7.85	79.1	0.37	0.03	0.0003	0.00002	0.00001	0.0002	0.002	0.03	0.001	0.002	0.00003
June - Nov SSGV				89.7	10.28	88	60.85	7.62	98.4	5.12	0.04	0.0003	0.00002	0.00001	0.0002	0.002	0.02	0.001	0.002	0.00003
CG-IS	Mar-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Aug-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oct-24	No	12.7	93.2	-	382.8	-	8.17	-	1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Nov-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-24	No	14.0	88.5	9.7	29	480	8.12	255	2.84	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Jan-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-25	No	10.7	85.1	-	13.1	60.9	9.30	179	2.6	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	Aug-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-25	No	12.1	96.6	-	483	364.4	8.00	175.1	1.63	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Oct-25	No	14.4	95.8	-	582	464.4	7.84	124.5	0.24	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Nov-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YR1-IS	Mar-24	No	12.2	88.2	9.47	129.4	97.7	7.81	53.8	0.1	0.05	0.00015	0.00001	0.000005	0.002	0.001	0.03	0.0005	0.002	0.000015
	Apr-24	No	11.3	97.4	-	136.1	-	8.49	-	1.23	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	May-24	No	3.1	95.6	-	138.8	-	7.91	-	0.42	0.01	0.001	0.0001	0.001	0.001	0.004	0.05	0.001	0.002	0.0001
	Jun-24	No	5.6	94.3	-	112.4	-	7.80	-	1.94	0.02	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.003	0.0001
	Jul-24	No	6.4	93.0	-	51.5	-	6.93	-	10.05	0.18	0.001	0.0001	0.001	0.001	0.002	0.11	0.001	0.002	0.0001
	Aug-24	No	8.6	89.8	-	55.8	-	7.87	-	3.62	0.07	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Sep-24	No	13.3	93.1	-	61.4	-	7.77	-	0.79	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Oct-24	No	12.5	94.9	-	66.8	-	7.77	-	2	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Nov-24	No	15.0	92.2	9.7	105	105	7.69	251	0.8	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.020	0.0001
	Dec-24	No	14.3	91.1	9.9	40.4	69	7.52	253	3.94	0.1	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.001	0.0001
	Jan-25	No	19.5	86.6	9	19.2	110	8.01	235	14.18	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Feb-25	No	17.2	86.3	9.3	21.8	101	7.78	168	4.35	0.14	0.001	0.0001	0.001	0.001	0.002	0.13	0.001	0.005	0.0001
	Mar-25	No	19.5	101.4	9.6	39.3	178	8.46	175	1.16	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Apr-25	Yes	18.7	91.6	10.4	36.3	171	8.76	195	0.88	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.006	0.0001
	May-25	Yes	10.3	95.1	-	35.1	25.2	8.84	110.9	1.29	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Jun-25	No	5.9	89.8	-	18.2	11.5	8.66	122.1	11.92	0.14	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.003	0.0001
	Jul-25	No	9.3	88.8	-	15.3	10.7	8.60	207.5	7.02	0.12	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.001	0.0001
	Aug-25	No	15.6	101.0	-	42.9	35.2	7.80	290	4.21	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Sep-25	No	8.6	96.6	-	85.1	58.4	8.30	166.5	1	0.7	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Oct-25	No	9.6	91.8	-	108.4	76.4	7.66	94.9	1.3	0.06	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Nov-25	No	16.0	76.8	-	111.9	92.6	7.93	139.7	1.75	0.02	0.001	0.0001	0.001	0.004	0.002	0.05	0.001	0.002	0.0001
	Dec-25	No	20.1	81.9	-	124.8	113.2	8.28	134.6	31.04	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Jan-26	No	23.7	87.8	-	169.5	165.4	8.17	127.1	0.9	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.008	0.0001
	Feb-26	No	22.6	93.4	-	204.1	194.6	8.19	138.5	1.37	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.01	0.0001
	Mar-26	No	20.0	90.3	-	141.5	128.2	8.20	146.5	3.20	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Apr-26	No	12.4	78.7	-	23.7	18	7.98	138.7	10.81	0.09	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	0.002	0.0001
	May-26	No	10.2	83.5	-	116.1	83.2	7.97	136.7	2.29	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jun-26	No	6.5	85.1	-	68.8	-	8.01	-	12.6	0.06	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphoro us (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjeda hl Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)	
Parameter																										
YARRANGOBILLY CATCHMENT																										
Default Guideline Value (DGV)		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006	
Limit of Reporting (LOR)		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.010	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
Dec - May Site Specific Guideline Value (SSGV)		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.020	47	0.2	52	0.2													
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	30	0.2	39	1.0													
CG-IS	Mar-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	May-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jun-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Aug-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Sep-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Oct-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	294	0.1	298	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
	Nov-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dec-24	0.001	0.1	0.01	0.001	0.005	0.010	0.02	0.01	287	0.1	336	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
	Jan-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Feb-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mar-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Apr-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	May-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jun-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Jul-25	0.001	0.1	0.02	0.001	0.005	0.040	0.02	0.01	290	0.1	347	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
	Aug-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-25	0.001	0.2	0.01	0.001	0.005	0.010	0.01	0.01	249	0.2	312	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
	Oct-25	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	272	0.1	312	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.05	0.0001
	Nov-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YR1-IS	Mar-24	0.001	0.1	0.005	0.00001	0.001	0.050	0.05	0.005	34	0.1	68	0.1	0.01	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.05	0.0001	
	Apr-24	0.001	0.1	0.01	0.001	0.005	0.010	0.05	-	61	0.05	-	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
	May-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	68	0.1	95	5	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
	Jun-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.03	51	0.1	68	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001	
	Jul-24	0.001	0.2	0.02	0.001	0.005	0.010	0.01	0.01	19	0.2	48	7	0.17	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.15	0.0001	
	Aug-24	0.001	0.2	0.01	0.001	0.005	0.010	0.01	0.01	33	0.2	55	3	0.12	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.09	0.0001	
	Sep-24	0.001	0.1	0.04	0.001	0.005	0.010	0.02	0.01	38	0.1	68	2	0.06	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001	
	Oct-24	0.001	0.1	0.02	0.001	0.006	0.020	0.01	0.01	41	0.1	60	2	0.08	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.09	0.0001	
	Nov-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	48	0.1	74	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001	
	Dec-24	0.001	0.1	0.01	0.001	0.005	0.010	0.02	0.01	31	0.1	52	4	0.17	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.039	0.15	0.0001	
	Jan-25	0.001	0.6	0.05	0.001	0.005	0.080	0.05	0.01	56	0.6	81	47	0.27	0.001	0.0001	0.001	0.001	0.001	0.051	0.001	0.001	0.009	0.33	0.0001	
	Feb-25	0.001	0.2	0.03	0.001	0.005	0.040	0.02	0.01	46	0.2	51	4	0.15	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.015	0.16	0.0001	
	Mar-25	0.001	0.1	0.01	0.001	0.005	0.030	0.01	0.01	90	0.1	100	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001	
	Apr-25	0.001	0.2	0.02	0.001	0.005	0.040	0.01	0.01	87	0.2	100	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.05	0.0001	
	May-25	0.001	0.1	0.01	0.001	0.005	0.020	0.01	0.01	82	0.1	96	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.05	0.0001	
	Jun-25	0.001	0.3	0.02	0.001	0.008	0.020	0.02	0.01	36	0.3	83	7	0.71	0.001	0.0001	0.002	0.001	0.001	0.014	0.002	0.001	0.01	0.56	0.0001	
	Jul-25	0.001	0.1	0.02	0.001	0.005	0.010	0.02	0.01	24	0.1	44	2	0.15	0.001	0.0001	0.001	0.002	0.001	0.005	0.001	0.001	0.005	0.2	0.0001	
	Aug-25	0.001	0.2	0.03	0.001	0.005	0.010	0.2	0.01	41	0.1	53	1	0.07	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001	
	Sep-25	0.001	0.2	0.04	0.001	0.005	0.010	0.01	0.01	29	0.1	56	1	0.12	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.08	0.0001	
	Oct-25	0.001	0.1	0.01	0.001	0.005	0.040	0.01	0.01	41	0.1	63	1	0.12	0.001	0.0001	0.001	0.001								

		Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)
Parameter																			
YARRANGOBILLY CATCHMENT																			
Default Guideline Value (DGV)		No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2
Limit of Reporting (LOR)		-	-	-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001
Dec - May Site Specific Guideline Value (SSGV)				96.2	9.08	115	93.2	7.85	79.1	0.37	0.03	0.0003	0.00002	0.00001	0.0002	0.03	0.001	0.002	0.0003
June - Nov SSGV				89.7	10.28	88	60.85	7.62	98.4	5.12	0.04	0.0003	0.00002	0.00001	0.0002	0.02	0.001	0.002	0.0003
LHG-IS	Mar-24	Yes	11.9	59.2	6.38	596	447.2	7.35	-17.2	408.5	0.2	0.00015	0.00001	0.001	0.002	0.01	0.005	0.040	0.000015
	Apr-24	No	12.5	60.1	-	658	-	7.69	-	69.72	0.01	0.001	0.0001	0.001	0.001	0.002	0.001	0.184	0.0001
	May-24	No	7.0	63.3	-	618	-	7.00	-	1003.7	0.01	0.001	0.0001	0.001	0.001	0.004	0.71	0.184	0.0001
	Jun-24	No	8.5	70.4	-	616	-	7.68	-	10.05	0.01	0.001	0.0001	0.001	0.001	0.002	0.48	0.158	0.0001
	Jul-24	No	8.0	67.5	-	503	-	7.30	-	5.44	0.01	0.001	0.0001	0.001	0.001	0.002	0.07	0.025	0.0001
	Aug-24	No	11.4	83.0	-	408.8	-	7.74	-	76.59	0.01	0.001	0.0001	0.001	0.001	0.002	0.07	0.020	0.0001
	Sep-24	No	9.7	87.3	-	424.6	-	7.68	-	6.13	0.01	0.001	0.0001	0.001	0.001	0.002	0.06	0.045	0.0001
	Oct-24	No	12.4	86.5	-	432.4	-	7.59	-	2.2	0.01	0.001	0.0001	0.001	0.001	0.002	0.10	0.036	0.0001
	Nov-24	No	12.1	83.1	9.9	537	537	7.91	254	3.6	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Dec-24	No	17.6	87.4	9.4	278.1	473	8.24	252	6.7	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Jan-25	Yes	17.8	76.9	9.1	128.7	563	8.05	198	14.89	0.01	0.001	0.0001	0.001	0.001	0.002	0.07	0.041	0.0001
	Feb-25	Yes	18.6	79.2	9.3	136.1	591	7.80	187	7.23	0.01	0.001	0.0001	0.001	0.001	0.002	0.06	0.105	0.0001
	Mar-25	Yes	22.0	59.6	8.7	134.7	610	7.62	173	9.64	0.08	0.004	0.0001	0.001	0.015	0.002	2.51	0.597	0.0001
	Apr-25	Yes	17.9	54.1	8.9	131	649	7.52	207	50.12	0.01	0.003	0.0001	0.001	0.001	0.002	1.38	0.997	0.0001
	May-25	Yes	11.2	37.1	-	134	-	7.47	-	71.43	0.01	0.003	0.0001	0.001	0.001	0.002	1.9	0.736	0.0001
	Jun-25	No	9.0	68.5	-	136.5	94.9	7.25	112.7	1.32	0.01	0.001	0.0001	0.001	0.001	0.002	0.75	0.281	0.0001
	Jul-25	No	8.1	83.7	-	78.3	53.1	9.10	185.7	36.35	0.09	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	0.0001
	Aug-25	No	14.8	96.7	-	67.2	54.1	7.80	287.5	6.39	0.01	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.0001
	Sep-25	No	9.6	91.9	-	527	372	8.00	174.7	6.43	0.01	0.001	0.0001	0.001	0.001	0.002	0.005	0.001	0.0001
	Oct-25	No	17.2	96.2	-	674	57	7.86	125.1	2.62	0.01	0.001	0.0001	0.001	0.001	0.002	0.5	0.001	0.0001
	Nov-25	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-25	No	21.6	72.3	-	61.9	57.9	7.72	117	5.58	0.01	0.001	0.0001	0.001	0.001	0.002	0.16	0.001	0.0001
	Jan-26	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	No	13.4	67.1	-	636	485.7	7.82	108	2.23	0.001	0.001	0.0001	0.001	0.001	0.002	0.13	0.001	0.0001
	May-26	No	11.9	75.1	-	565	423.3	7.89	131.5	2.34	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Jun-26	No	10.1	82.2	-	478.4	-	7.97	-	10.57	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
YR2-IS	Mar-24	No	12.3	88.5	9.47	130.8	99.1	7.93	43.2	0.1	0.03	0.00015	0.00001	0.000005	0.001	0.01	0.005	0.001	0.000015
	Apr-24	No	11.8	97.1	-	139.7	-	8.52	-	1.16	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	May-24	No	2.5	94.7	-	142.1	-	7.77	-	0.343	0.01	0.001	0.0001	0.001	0.001	0.024	0.05	0.001	0.0001
	Jun-24	No	4.7	97.1	-	118.6	-	7.24	-	0	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Jul-24	No	5.9	93.5	-	58.4	-	6.78	-	8.87	0.17	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.0001
	Aug-24	No	9.3	93.5	-	58.5	-	7.98	-	6.97	0.06	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Sep-24	No	13.4	93.8	-	66.7	-	7.62	-	1.56	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Oct-24	No	11.6	93.7	-	69.9	-	7.34	-	1.8	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Nov-24	No	15.7	92.1	10	62	111	7.92	235	0.6	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Dec-24	No	13.6	90.3	9.8	44.1	75	7.84	220	5.64	0.09	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.0001
	Jan-25	No	28.9	90.5	8.8	28.5	123	8.09	226	1.32	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Feb-25	No	19.3	91.3	9.4	23.3	109	7.97	170	5.89	0.11	0.001	0.0001	0.001	0.001	0.002	0.11	0.001	0.0001
	Mar-25	No	22.2	102.1	9.5	39.9	182	8.55	158	0.89	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Apr-25	No	18.1	95.3	10.5	37.7	178	8.46	195	0.94	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	May-25	No	10.8	96.8	-	35.7	26	8.87	110.1	1.27	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Jun-25	No	5.9	89.8	-	18.2	12.6	8.66	112.7	11.92	0.26	0.001	0.0001	0.001	0.002	0.002	0.18	0.001	0.0001
	Jul-25	No	8.1	88.0	-	11.2	7.6	9.10	191.5	11.35	0.07	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Aug-25	No	12.1	97.7	-	15.4	11.6	7.60	294	6.18	0.8	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Sep-25	No	5.6	94.6	-	64.7	40.8	8.10	177.3	2	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Oct-25	No	14.3	100.2	-	102.2	81.1	7.78	112.8	1.44	0.05	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Nov-25	No	16.9	79.5	-	116.1	98.1	7.79	168.2	0.63	0.02	0.001	0.0001	0.001	0.011	0.002	0.05	0.001	0.0001
	Dec-25	No	18.2	81.4	-	109.7	95.5	8.13	131.5	4.63	0.1	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.0001
	Jan-26	No	24.2	91.8	-	256.4	252.6	8.29	114.4	6.37	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Feb-26	No	24.7	95.1	-	205.5	204.2	8.29	134.0	1.37	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Mar-26	No	23.0	90.6	-	152.4	146.8	8.18	90.7	3.39	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Apr-26	No	13.1	79.8	-	114.6	88.5	8.20	133.3	7.75	0.12	0.001	0.0001	0.001	0.001	0.002	0.09	0.001	0.0001
	May-26	No	10.7	86.6	-	140.6	102.2	8.15	106	0.67	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001
	Jun-26	No	8.7	88.0	-	80.8	-	8.07	-	9.56	0.06	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphorus (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjeda Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)
Parameter																									
YARRANGOBILLY CATCHMENT																									
Default Guideline Value (DGV)		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006
Limit of Reporting (LOR)		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.010	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001
Dec - May Site Specific Guideline Value (SSGV)		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.020	47	0.2	52	0.2												
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	30	0.2	39	1.0												
LHG-IS	Mar-24	0.003	0.1	0.01	0.00001	0.006	0.050	0.05	0.005	297	1	330	20												
	Apr-24	0.001	0.5	0.09	0.001	0.005	0.020	0.02	-	332	0.02	-	70	0.25	0.003	0.0001	0.001	0.002	0.001	0.51	0.006	0.001	0.009	2.22	0.0001
	May-24	0.001	0.5	0.05	0.001	0.005	0.040	0.06	0.01	365	0.4	402	5	0.07	0.001	0.0001	0.001	0.001	0.001	0.177	0.001	0.001	0.005	1.09	0.0001
	Jun-24	0.001	0.2	0.04	0.001	0.005	0.020	0.02	0.01	313	0.2	339	17	0.38	0.002	0.0001	0.001	0.001	0.001	0.282	0.001	0.001	0.005	1.54	0.0001
	Jul-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	250	0.1	324	10	0.53	0.001	0.0001	0.001	0.002	0.001	0.033	0.001	0.001	0.005	0.16	0.0001
	Aug-24	0.001	0.1	0.01	0.001	0.006	0.020	0.01	0.01	282	0.1	360	9	0.09	0.001	0.0001	0.001	0.001	0.001	0.026	0.001	0.001	0.005	0.17	0.0001
	Sep-24	0.001	0.1	0.09	0.001	0.006	0.010	0.01	0.01	294	0.1	394	10	0.06	0.001	0.0001	0.001	0.001	0.001	0.051	0.001	0.001	0.005	0.19	0.0001
	Oct-24	0.001	0.1	0.02	0.001	0.005	0.020	0.01	0.01	312	0.1	362	3	0.04	0.001	0.0001	0.001	0.001	0.001	0.034	0.001	0.001	0.005	0.26	0.0001
	Nov-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	307	0.1	363	16	0.15	0.001	0.0001	0.001	0.001	0.001	0.023	0.001	0.001	0.005	0.21	0.0001
	Dec-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	264	0.1	298	7	0.13	0.001	0.0001	0.001	0.001	0.001	0.014	0.001	0.001	0.005	0.12	0.0001
	Jan-25	0.001	0.1	0.04	0.001	0.005	0.030	0.01	0.01	333	0.1	362	33	0.26	0.002	0.0001	0.001	0.001	0.001	0.219	0.001	0.001	0.005	1.13	0.0001
	Feb-25	0.001	0.3	0.06	0.001	0.005	0.010	0.06	0.01	333	0.2	378	11	0.09	0.001	0.0001	0.001	0.001	0.001	0.121	0.001	0.001	0.007	0.41	0.0001
	Mar-25	0.001	0.3	0.1	0.001	0.005	0.070	0.04	0.01	326	0.3	372	50	0.1	0.001	0.0001	0.001	0.01	0.001	0.559	0.001	0.001	0.006	4.18	0.0001
	Apr-25	0.001	0.4	0.16	0.001	0.006	0.030	0.01	0.01	348	0.4	372	64	0.55	0.01	0.0001	0.001	0.002	0.001	1.17	0.001	0.001	0.008	8.45	0.0001
	May-25	0.001	0.2	0.44	0.001	0.005	0.040	0.03	0.01	333	0.2	406	131	0.61	0.019	0.0001	0.001	0.001	0.002	2.22	0.002	0.001	0.009	19.2	0.0001
	Jun-25	0.001	0.2	0.02	0.001	0.006	0.030	0.01	0.01	333	0.2	452	9	0.22	0.001	0.0001	0.001	0.001	0.001	0.281	0.001	0.001	0.005	1.32	0.0001
	Jul-25	0.001	0.2	0.04	0.001	0.005	0.020	0.03	0.01	177	0.2	247	68	0.46	0.001	0.0001	0.001	0.001	0.001	0.134	0.001	0.001	0.005	1.04	0.0001
	Aug-25	0.001	0.1	0.01	0.001	0.005	0.020	0.1	0.01	277	0.1	346	12	0.05	0.001	0.0001	0.001	0.001	0.001	0.014	0.001	0.001	0.005	0.09	0.0001
	Sep-25	0.001	0.1	0.04	0.001	0.005	0.030	0.01	0.01	265	0.1	350	1	0.08	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.07	0.0001
	Oct-25	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	264	0.1	344	2	0.05	0.001	0.0001	0.001	0.001	0.001	0.016	0.001	0.001	0.006	0.1	0.0001
	Nov-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-25	0.001	0.2	0.03	0.001	0.005	0.040	0.01	0.01	267	0.2	470	14	0.1	0.001	0.001	0.001	0.001	0.001	0.11	0.001	0.001	0.005	0.38	0.0001
	Jan-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	0.001	0.4	0.02	0.001	0.005	0.050	0.01	0.01	368	0.4	412	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.099	0.001	0.001	0.005	0.18	0.0001
	May-26	0.001	0.2	0.01	0.001	0.005	0.030	0.01	0.01	274	0.2	402	2	0.02	0.001	0.0001	0.001	0.001	0.001	0.068	0.001	0.001	0.005	0.23	0.0001
	Jun-26	0.001	0.2	0.01	0.001	0.005	0.020	0.01	0.01	213	0.2	276	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.016	0.001	0.001	0.005	0.05	0.0001
YR2-IS	Mar-24	0.001	0.1	0.005	0.00001	0.001	0.050	0.05	0.005	27	1	58	0.1												
	Apr-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	-	61	0.01	-	5	0.02	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
	May-24	0.001	0.6	0.03	0.001	0.007	0.020	0.34	0.01	66	0.5	98	5	0.01	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.007	0.05	0.0001
	Jun-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	51	0.1	76	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.05	0.0001
	Jul-24	0.001	0.4	0.03	0.001	0.005	0.010	0.24	0.01	26	0.2	46	10	0.17	0.001	0.0001	0.001	0.001	0.001	0.012	0.001	0.001	0.007	0.16	0.0001
	Aug-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	33	0.1	59	4	0.11	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.09	0.0001
	Sep-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	46	0.1	68	3	0.07	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.07	0.0001
	Oct-24	0.001	0.2	0.05	0.001	0.005	0.010	0.01	0.01	43	0.2	71	1	0.07	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.08	0.0001
	Nov-24	0.001	0.1	0.05	0.001	0.005	0.010	0.02	0.01	51	0.1	77	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.05	0.0001
	Dec-24	0.001	0.1	0.01	0.001	0.005	0.020	0.06	0.01	33	0.1	55	6	0.21	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.18	0.0001
	Jan-25	0.001	0.2	0.01	0.001	0.005	0.010	0.01	0.01	63	0.2	87	1	0.2	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
	Feb-25	0.001	0.4	0.02																					

Parameter		Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)
YARRANGOBILLY CATCHMENT																				
Default Guideline Value (DGV)		No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2	0.00006
Limit of Reporting (LOR)				-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
Dec - May Site Specific Guideline Value (SSGV)				96.2	9.08	115	93.2	7.85	79.1	0.37	0.03	0.0003	0.00002	0.00001	0.0002	0.002	0.03	0.001	0.002	0.00003
June - Nov SSGV				89.7	10.28	88	60.85	7.62	98.4	5.12	0.04	0.0003	0.00002	0.00001	0.0002	0.002	0.02	0.001	0.002	0.00003
SSC-IS	Mar-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-24	No	8.0	90.1	-	152.6	-	6.29	-	17.88	0.1	0.001	0.0001	0.001	0.001	0.002	0.02	0.001	0.002	0.0001
	Aug-24	No	12.1	94.0	-	120.9	-	7.78	-	3.9	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Sep-24	No	12.2	84.1	-	122.2	-	7.10	-	3.53	0.05	0.001	0.0001	0.001	0.003	0.002	0.05	0.001	0.002	0.0001
	Oct-24	No	10.1	81.5	-	110.3	-	6.83	-	8.9	0.08	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Nov-24	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-24	No	18.8	90.7	9.4	68.5	118	7.97	188	44.29	0.08	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Jan-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-25	No	9.4	84.5	-	20.2	14.2	9.10	177.5	37.69	0.49	0.001	0.0001	0.001	0.001	0.002	0.31	0.001	0.001	0.0001
	Aug-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-25	No	9.9	93.1	-	118.5	84.4	8.20	171.2	4.33	0.05	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Oct-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nov-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-26	No	10.9	84.1	-	121.6	-	7.64	-	24.36	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

Parameter		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphorus (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjeldahl Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)
YARRANGOBILLY CATCHMENT																									
Default Guideline Value (DGV)		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006
Limit of Reporting (LOR)		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.010	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001
Dec - May Site Specific Guideline Value (SSGV)		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.020	47	0.2	52	0.2												
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	30	0.2	39	1.0												
SSC-IS	Mar-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-24	0.001	1.8	0.03	0.001	0.024	0.030	0.85	0.01	62	0.9	110	1	0.09	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.025	0.4	0.0001
	Aug-24	0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	62	0.1	110	5	0.21	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.09	0.0001
	Sep-24	0.001	0.7	0.03	0.001	0.036	0.010	0.07	0.01	65	0.6	108	5	0.10	0.001	0.0001	0.001	0.003	0.001	0.004	0.001	0.001	0.028	0.08	0.0001
	Oct-24	0.001	0.4	0.02	0.001	0.005	0.010	0.18	0.01	58	0.2	100	1	0.13	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.1	0.0001
	Nov-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-24	0.001	0.1	0.01	0.001	0.005	0.01	0.01	0.01	53	0.1	85	8	0.57	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.005	0.41	0.0001
	Jan-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-25	0.002	0.2	0.05	0.001	0.005	0.16	0.01	0.01	39	0.2	71	6	1.64	0.001	0.0001	0.002	0.001	0.003	0.015	0.002	0.001	0.008	1.16	0.0001
	Aug-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-25	0.001	0.1	0.02	0.001	0.005	0.01	0.01	0.01	44	0.1	71	2	0.5	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.29	0.002
	Oct-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nov-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jan-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	May-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-26	0.001	0.3	0.01	0.001	0.005	0.010	0.04	0.01	48	0.3	84	2	0.2	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.12	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

		Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)
Parameter																				
TALBINGO RESERVOIR																				
DGV		No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2	0.00006
LOR				-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
Dec - May SSGV				91.3	8.79	24.0	20.3	7.59	91.2	0.09	0.03	0.003	0.00002	0.00001	0.0002	0.002	0.04	0.001	0.003	0.00003
June - Nov SSGV				95.5	11.53	38.7	26.2	7.59	95.4	1.56	0.015	0.0003	0.00002	0.00001	0.0002	0.002	0.02	0.001	0.002	0.00003
TR-RS	Mar-24	No	13.4	72.5	7.57	24	18.7	7.10	55	0.10	0.015	0.00015	0.00001	0.000005	0.0001	0.001	0.05	0.005	0.005	0.000015
	Apr-24	No	12.2	85.9	-	25.9	-	7.17	-	0.02	0.01	0.001	0.0001	0.001	0.005	0.002	0.05	0.001	0.026	0.0001
	May-24	No	10.1	91.5	-	30.2	-	6.80	-	0.65	0.01	0.001	0.0001	0.001	0.001	0.004	0.05	0.001	0.002	0.0001
	Jun-24	No	8.7	91.6	-	26.4	-	8.32	-	0.10	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.010	0.0001
	Jul-24	No	6.0	92.1	-	28.7	-	7.76	-	1.35	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Aug-24	No	12.7	91.5	-	26.3	-	6.67	-	2.0	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Sep-24	No	10.2	96.2	-	25	-	7.78	-	0.58	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Oct-24	No	9.5	95.2	-	15.3	-	7.78	-	1.7	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.008	0.0001
	Nov-24	No	15.6	92.1	9.7	55	55	7.73	271	1.6	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.05	0.0001
	Dec-24	No	22.8	95.5	9.1	22.2	38	7.97	200	3.76	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Jan-25	No	25.7	91.6	9.1	27.8	44	7.23	234	1.61	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Feb-25	No	24.6	94.8	9.1	8.7	40	7.61	168	2.16	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Mar-25	No	21.3	90.1	8.9	8.3	36	7.56	138	3.25	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Apr-25	No	17.6	67.6	9.9	5.8	26	6.96	190	1.3	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.03	0.0001
	May-25	No	12.3	88.6	-	5.9	4.5	7.59	109.8	1.68	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jun-25	No	10.5	86.4	-	6.1	4.4	8.34	111.9	3.15	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.008	0.0001
	Jul-25	No	7.9	90	-	6.5	4.4	7.78	168.1	7.5	0.1	0.001	0.0001	0.001	0.001	0.002	0.18	0.001	0.011	0.0001
	Aug-25	No	12.5	103.6	-	5.8	4.5	7.1	246.8	6.08	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Sep-25	No	11.3	95.6	-	41.3	30.5	4.9	107.8	1.92	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Oct-25	No	13.2	45.9	-	47	36.4	7.35	136.6	1.46	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Nov-25	No	18.8	80.7	-	40	37.9	6.91	184.3	1.15	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.001
	Dec-25	No	18.3	78.1	-	41.2	36	7.45	155.3	3.59	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Jan-26	No	24.5	93.4	-	47.4	46.9	7.92	134.4	1.83	0.02	0.002	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Feb-26	No	17.6	79.1	-	122.3	105.0	7.4	122.1	2.67	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.007	0.0001
	Mar-26	No	19.9	86.3	-	37.9	34.2	7.23	186.9	2.57	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Apr-26	No	14.9	72.8	-	39.3	31.7	7.57	144	1.95	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	May-26	No	13.2	82.2	-	24.5	19	7.78	127.1	1.24	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jun-26	No	11.7	92.2	-	32.1	-	7.67	-	4.2	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

Parameter		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphorus (mg/L)	Total Hardness (mg/L) (CaCO ₃)	Total Kjeda hl Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)
TALBINGO RESERVOIR																									
DGV		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006
LOR		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.01	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001
Dec - May SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	7.5	0.1	12.5	0.2												
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	8	0.2	15	0.2												
TR-RS	Mar-24	0.0005	0.1	0.01	0.00001	0.001	0.050	0.05	0.005	8	0.1	44	0.1												
	Apr-24	0.001	1.3	0.02	0.001	0.066	0.030	0.12	-	5	0.12	-	3	0.02	0.001	0.0001	0.001	0.006	0.001	0.039	0.002	0.001	0.067	0.07	0.0001
	May-24	0.001	0.3	0.03	0.001	0.023	0.020	0.03	0.01	5	0.3	35	5	0.03	0.001	0.0001	0.001	0.001	0.001	0.033	0.001	0.001	0.012	0.06	0.0001
	Jun-24	0.001	2.3	0.01	0.001	0.005	0.010	1.92	0.01	5	0.4	17	2	0.03	0.001	0.0001	0.001	0.001	0.001	0.056	0.001	0.001	0.005	0.07	0.0001
	Jul-24	0.001	0.1	0.02	0.001	0.005	0.030	0.04	0.01	5	0.1	17	2	0.05	0.001	0.0001	0.001	0.001	0.001	0.014	0.001	0.001	0.005	0.06	0.0001
	Aug-24	0.001	0.4	0.02	0.001	0.011	0.020	0.07	0.01	12	0.3	30	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.008	0.05	0.0001
	Sep-24	0.001	0.2	0.03	0.001	0.005	0.010	0.06	0.01	14	0.1	27	2	0.06	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.07	0.0001
	Oct-24	0.001	0.2	0.02	0.001	0.013	0.040	0.02	0.01	14	0.2	38	4	0.07	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.11	0.0001
	Nov-24	0.001	0.1	0.05	0.001	0.005	0.010	0.02	0.01	21	0.1	45	5	0.14	0.001	0.0001	0.001	0.001	0.001	0.07	0.001	0.001	0.005	0.23	0.0001
	Dec-24	0.001	0.1	0.06	0.001	0.005	0.010	0.01	0.01	14	0.1	25	2	0.04	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.007	0.06	0.0001
	Jan-25	0.001	0.2	0.02	0.001	0.005	0.020	0.01	0.01	17	0.2	46	6	0.03	0.001	0.0001	0.001	0.001	0.001	0.018	0.001	0.001	0.005	0.05	0.0001
	Feb-25	0.001	0.2	0.03	0.001	0.005	0.020	0.01	0.01	14	0.2	28	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.017	0.001	0.001	0.005	0.07	0.0001
	Mar-25	0.001	0.2	0.03	0.001	0.005	0.010	0.01	0.01	14	0.2	28	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.019	0.001	0.001	0.005	0.06	0.0001
	Apr-25	0.001	0.4	0.05	0.001	0.005	0.020	0.05	0.01	5	0.3	22	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.051	0.001	0.001	0.005	0.09	0.0001
	May-25	0.001	0.2	0.07	0.001	0.005	0.030	0.01	0.02	9	0.2	16	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.03	0.001	0.001	0.005	0.05	0.0001
	Jun-25	0.001	0.1	0.06	0.001	0.005	0.040	0.04	0.01	5	0.1	56	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.046	0.001	0.001	0.005	0.05	0.0001
	Jul-25	0.001	0.1	0.03	0.001	0.005	0.020	0.1	0.01	9	0.1	22	5	0.16	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.009	0.18	0.0001
	Aug-25	0.001	0.1	0.01	0.001	0.005	0.020	0.03	0.01	5	0.1	18	2	0.04	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.05	0.0001
	Sep-25	0.001	3.2	0.02	0.001	0.006	0.020	2.66	0.01	14	0.5	46	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.01	0.05	0.0001
	Oct-25	0.001	0.1	0.04	0.001	0.005	0.020	0.01	0.01	12	0.1	20	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
	Nov-25	0.001	0.2	0.04	0.001	0.021	0.010	0.01	0.01	14	0.2	31	1	0.05	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.08	0.0001
	Dec-25	0.001	0.2	0.02	0.001	0.005	0.010	0.01	0.01	12	0.2	57	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.05	0.0001
	Jan-26	0.001	1.1	0.01	0.001	0.005	0.010	0.86	0.01	14	0.2	24	1	0.09	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.022	0.14	0.0001
	Feb-26	0.001	0.7	0.01	0.001	0.127	0.050	0.33	0.01	14	0.4	31	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.015	0.001	0.001	0.087	0.08	0.0001
	Mar-26	0.001	0.3	0.01	0.001	0.005	0.050	0.02	0.01	14	0.3	28	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.05	0.0001
	Apr-26	0.001	0.5	0.01	0.001	0.005	0.030	0.01	0.01	14	0.5	32	4	0.03	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.05	0.0001
	May-26	0.001	0.1	0.01	0.001	0.005	0.030	0.04	0.01	2	0.1	40	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.05	0.0001
	Jun-26	0.001	0.3	0.01	0.001	0.005	0.010	0.04	0.01	2	0.3	22	1	0.1	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.008	0.12	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

		Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)
Parameter																				
YORKERS CREEK CATCHMENT																				
DGV		No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2	0.00006
LOR				-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
Dec - May SSGV				89.6	8.35	31	24	6.79	94.6	9	0.36	0.003	0.00002	0.00001	0.002	0.002	0.41	0.001	0.005	0.00003
June - Nov SSGV				88.7	10.2	27.9	20.5	6.61	106.1	7.87	0.32	0.0003	0.00002	0.00001	0.0002	0.002	0.23	0.001	0.003	0.00003
YK-RS	Mar-24	Yes	16.3	82.5	8.09	31.5	26.2	6.69	64.5	12.24	0.6	0.00015	0.00001	0.000005	0.001	0.001	0.66	0.002	0.013	0.000015
	Apr-24	No	6.8	80.7	-	36.5	-	7.04	-	17.27	0.10	-	0.0001	0.001	0.001	0.002	0.12	0.001	0.014	0.0001
	May-24	No	4.2	85.1	-	34.7	-	6.62	-	0.3	0.10	0.001	0.0001	0.001	0.001	0.004	0.17	0.001	0.026	0.0001
	Jun-24	No	3.5	84.2	-	30.1	-	7.99	-	26.48	0.09	0.001	0.0001	0.001	0.001	0.002	0.18	0.001	0.021	0.0001
	Jul-24	No	2.9	83.1	-	27.8	-	7.40	-	7.97	0.19	0.001	0.0001	0.001	0.001	0.002	0.21	0.001	0.010	0.0001
	Aug-24	No	7.3	82.7	-	21.6	-	6.89	-	19.36	0.33	0.001	0.0001	0.001	0.001	0.002	0.29	0.001	0.017	0.0001
	Sep-24	No	12.3	86.5	-	19.5	-	7.58	-	15.51	0.09	0.001	0.0001	0.001	0.001	0.002	0.16	0.001	0.013	0.0001
	Oct-24	No	18.3	87.8	-	21.8	-	7.55	-	17.9	0.14	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.013	0.0001
	Nov-24	No	19.3	84.8	9	30	30	6.68	259	13.8	0.06	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.014	0.0001
	Dec-24	No	22.9	82.6	8.3	18.7	31	7.52	238	19	0.13	0.001	0.0001	0.001	0.001	0.002	0.16	0.001	0.024	0.0001
	Jan-25	No	17.4	72.5	8.8	24.5	40	7.26	209	15.77	0.08	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.015	0.0001
	Feb-25	Yes	22.8	76.3	8.9	8.6	38	7.09	174	21.19	0.18	0.001	0.0001	0.001	0.001	0.002	0.32	0.001	0.009	0.0001
	Mar-25	No	17.4	81.4	9.3	9.7	43	7.46	170	20.65	0.45	0.001	0.0001	0.001	0.001	0.002	0.3	0.001	0.009	0.0001
	Apr-25	No	11.0	77.6	10.2	8.6	39	7.64	148	15.23	0.12	0.001	0.0001	0.001	0.001	0.002	0.17	0.001	0.004	0.0001
	May-25	Yes	4.2	83.9	-	9.1	5.5	7.73	116.9	11.81	0.08	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.004	0.0001
	Jun-25	No	5.4	83.0	-	7.8	4.9	8.24	114.3	14.6	0.19	0.001	0.0001	0.001	0.001	0.002	0.31	0.001	0.016	0.0001
	Jul-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Aug-25	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-25	No	6.6	85.4	-	28.2	18.3	6.80	112.7	16.12	0.1	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.011	0.0001
	Oct-25	No	9.9	40.7	-	38.9	27.3	6.80	134.9	10.07	0.14	0.001	0.0001	0.001	0.001	0.002	0.57	0.001	0.025	0.0001
	Nov-25	No	20.1	74.5	-	43.9	39.8	6.88	164.7	14.8	0.16	0.001	0.0001	0.001	0.001	0.002	0.25	0.001	0.015	0.0001
	Dec-25	No	11.1	58.9	-	55.2	40.5	6.84	151.7	32.56	0.26	0.001	0.0001	0.001	0.001	0.002	1.04	0.001	0.132	0.0001
	Jan-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	No	7.7	63.9	-	41.3	27.7	7.11	125.5	21.11	1.0	0.001	0.0001	0.001	0.001	0.002	0.43	0.001	0.01	0.0001
	May-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YK-IS (D/S)	Mar-24	No	10.0	81.6	9.21	39.1	27.9	7.02	63.2	0.1	0.0065	0.00015	0.00001	0.000005	0.0001	0.001	0.26	0.0005	0.006	0.000015
	Apr-24	No	5.9	86.0	-	39.4	-	7.33	-	221.78	0.05	0.001	0.0001	0.001	0.001	0.002	0.11	0.001	0.014	0.0001
	May-24	No	3.1	85.9	-	39.6	-	6.59	-	0.8	0.09	0.001	0.0001	0.001	0.001	0.004	0.15	0.001	0.021	0.0001
	Jun-24	No	3.2	84.6	-	38.9	-	7.76	-	2.46	0.06	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.009	0.0001
	Jul-24	No	3.2	85.0	-	32.8	-	7.11	-	8.29	0.28	0.001	0.0001	0.001	0.001	0.002	0.22	0.001	0.005	0.0001
	Aug-24	No	7.3	84.7	-	23.2	-	6.85	-	22.38	0.51	0.001	0.0001	0.001	0.001	0.002	0.34	0.001	0.011	0.0001
	Sep-24	No	9.3	84.5	-	26.9	-	7.52	-	3.34	0.07	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.008	0.0001
	Oct-24	No	11.3	84.0	-	27	-	7.36	-	6.4	0.1	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.010	0.0001
	Nov-24	No	13.5	83.3	9.4	38	38	7.17	268	5.5	0.05	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.011	0.0001
	Dec-24	No	17.7	82.9	9.2	22.2	550	7.03	463	6.27	0.07	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.004	0.0001
	Jan-25	No	16.2	79.2	9.2	28.2	48	7.40	233	2.44	0.04	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.013	0.0001
	Feb-25	No	20.5	85.0	9.3	10.4	47	7.09	150	5.32	0.14	0.001	0.0001	0.001	0.001	0.002	0.24	0.001	0.016	0.0001
	Mar-25	No	15.9	89.2	9.6	10.7	48	7.32	152	3.01	0.07	0.001	0.0001	0.001	0.002	0.002	0.21	0.001	0.016	0.0001
	Apr-25	No	12.5	84.0	10.7	11.1	49	7.42	166	2.71	0.04	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.018	0.0001
	May-25	No	5.4	85.5	-	10.6	6.6	7.54	111.1	2.84	0.05	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.013	0.0001
	Jun-25	No	5.6	83.1	-	8.1	5.1	8.07	114.4	18.14	0.18	0.001	0.0001	0.001	0.001	0.002	0.3	0.001	0.01	0.0001
	Jul-25	No	5.7	81.6	-	6.4	4.1	7.95	170.2	18.25	0.45	0.001	0.0001	0.001	0.001	0.002	0.29	0.001	0.005	0.0001
	Aug-25	No	6.7	89.7	-	10.6	6.9	7.20	253.9	7.77	0.17	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.009	0.0001
	Sep-25	No	7.1	87.9	-	35.8	23.8	6.10	115.3	4.58	0.6	0.001	0.0001	0.001	0.001	0.002	0.19	0.001	0.01	0.0001
	Oct-25	No	9.9	40.7	-	44.6	31.7	6.93	156.2	4.01	0.08	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.008	0.0001
	Nov-25	No	15.5	68.9	-	24.6	20.2	6.96	165.7	4.4	0.09	0.001	0.0001	0.001	0.003	0.002	0.15	0.001	0.011	0.0001
	Dec-25	No	11.8	71.6	-	55.2	40.5	6.84	151.7	32.56	0.1	0.001	0.0001	0.001	0.001	0.002	0.16	0.001	0.011	0.0001
	Jan-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	No	9.0	70.1	-	89.3	62	7.61	119.3	45.04	0.13	0.001	0.0001	0.001	0.001	0.002	0.23	0.001	0.01	0.0001
	May-26	No	9.8	78.0	-	46.6	33.1	7.30	153.2	6.66	0.08	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.009	0.0001
	Jun-26	No	7.8	78.3	-	36.1	-	7.78	-	11.8	0.14	0.001	0.0001	0.001	0.001	0.002	0.16	0.001	0.006	0.0001

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DGV
<i>italics</i>	Result exceeds the Limit of Reporting

		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphoro us (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjeda h Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)
Parameter																									
YORKERS CREEK CATCHMENT																									
DGV		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006
LOR		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.01	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001
Dec - May SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	1	0.1	30	3												
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	7	0.2	10	0.2												
YK-RS																									
	Mar-24	0.0005	0.1	0.03	0.00001	0.003	0.050	0.05	0.005	1	0.1	30	3												
	Apr-24	0.001	0.6	0.04	0.001	0.013	0.020	0.02	-	9	0.02	-	24	0.15	0.001	0.0001	0.001	0.007	0.001	0.021	0.006	0.001	0.016	0.46	0.0001
	May-24	0.001	0.3	0.04	0.001	0.005	0.030	0.02	0.01	9	0.3	37	5	0.10	0.001	0.0001	0.001	0.001	0.001	0.027	0.001	0.001	0.005	0.34	0.0001
	Jun-24	0.001	0.4	0.04	0.001	0.005	0.020	0.02	0.03	9	0.4	21	15	0.23	0.001	0.0001	0.001	0.001	0.001	0.032	0.001	0.001	0.005	0.50	0.0001
	Jul-24	0.001	0.4	0.04	0.001	0.007	0.010	0.05	0.01	9	0.4	41	7	0.59	0.001	0.0001	0.001	0.001	0.001	0.017	0.001	0.001	0.005	0.53	0.0001
	Aug-24	0.001	0.9	0.07	0.001	0.012	0.010	0.01	0.01	9	0.9	34	19	1.82	0.001	0.0001	0.003	0.001	0.001	0.076	0.001	0.001	0.005	1.77	0.0001
	Sep-24	0.001	0.2	0.05	0.001	0.010	0.010	0.04	0.01	9	0.2	28	19	0.28	0.001	0.0001	0.001	0.001	0.001	0.023	0.001	0.001	0.005	0.52	0.0001
	Oct-24	0.001	0.2	0.03	0.001	0.005	0.010	0.05	0.01	5	0.2	21	22	0.24	0.001	0.0001	0.001	0.001	0.001	0.02	0.001	0.001	0.005	0.45	0.0001
	Nov-24	0.001	0.1	0.04	0.001	0.008	0.020	0.03	0.01	9	0.1	46	30	1.29	0.001	0.0001	0.002	0.001	0.001	0.032	0.001	0.001	0.005	1.05	0.0001
	Dec-24	0.001	0.3	0.04	0.001	0.005	0.010	0.04	0.01	9	0.3	40	22	0.22	0.001	0.0001	0.001	0.001	0.001	0.031	0.001	0.001	0.005	0.51	0.0001
	Jan-25	0.001	0.7	0.05	0.001	0.005	0.080	0.06	0.01	12	0.6	62	27	0.43	0.001	0.0001	0.001	0.001	0.001	0.038	0.001	0.001	0.005	0.96	0.0001
	Feb-25	0.001	0.6	0.07	0.001	0.005	0.040	0.01	0.01	9	0.6	58	12	0.4	0.001	0.0001	0.001	0.001	0.001	0.017	0.001	0.001	0.007	0.77	0.0001
	Mar-25	0.001	0.4	0.06	0.001	0.005	0.020	0.01	0.01	16	0.4	28	20	0.39	0.001	0.0001	0.001	0.001	0.001	0.015	0.001	0.001	0.005	0.7	0.0001
	Apr-25	0.001	0.2	0.01	0.001	0.005	0.040	0.01	0.01	16	0.2	30	8	0.78	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.74	0.0001
	May-25	0.001	0.3	0.02	0.001	0.005	0.010	0.18	0.01	16	0.1	33	4	0.52	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.63	0.0001
	Jun-25	0.001	0.6	0.09	0.001	0.005	0.010	0.02	0.01	9	0.6	90	30	1.07	0.001	0.0001	0.002	0.001	0.001	0.023	0.001	0.001	0.005	0.88	0.0001
	Jul-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Aug-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sep-25	0.001	0.3	0.05	0.001	0.005	0.010	0.01	0.01	9	0.3	50	3	0.25	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.005	0.27	0.0001
	Oct-25	0.001	0.2	0.04	0.001	0.005	0.010	0.01	0.01	9	0.2	21	7	0.6	0.001	0.0001	0.001	0.001	0.001	0.025	0.001	0.001	0.005	0.57	0.0001
	Nov-25	0.001	0.3	0.01	0.001	0.005	0.010	0.01	0.01	9	0.3	42	9	0.94	0.001	0.0001	0.002	0.001	0.001	0.03	0.001	0.001	0.005	0.87	0.0001
	Dec-25	0.001	0.9	0.09	0.001	0.024	0.060	0.04	0.01	16	0.9	85	61	1.36	0.001	0.0001	0.002	0.002	0.001	0.161	0.002	0.001	0.017	2.43	0.0001
	Jan-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Feb-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-26	0.001	0.7	0.03	0.001	0.005	0.050	0.01	0.01	12	0.7	64	10	2.01	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.005	0.5	0.0001
	May-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YK-IS (D/S)																									
	Mar-24	0.0005	0.1	0.02	0.00001	0.002	0.050	0.05	0.005	1	0.1	15	0.1												
	Apr-24	0.001	0.1	0.02	0.001	0.005	0.010	0.03	-	18	0.03	-	3	0.1	0.001	0.0001	0.001	0.001	0.001	0.016	0.003	0.001	0.006	0.26	0.0001
	May-24	0.001	0.6	0.04	0.001	0.005	0.010	0.03	0.01	12	0.3	39	9	0.12	0.001	0.0001	0.003	0.001	0.001	0.035	0.002	0.001	0.005	0.61	0.0001
	Jun-24	0.001	0.2	0.04	0.001	0.005	0.010	0.01	0.01	12	0.2	25	2	0.48	0.001	0.0001	0.001	0.001	0.001	0.027	0.001	0.001	0.005	0.68	0.0001
	Jul-24	0.001	0.6	0.04	0.001	0.007	0.010	0.08	0.01	9	0.3	52	5	0.3	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.32	0.0001
	Aug-24	0.001	0.6	0.04	0.001	0.005	0.010	0.09	0.01	9	0.5	70	17	1.02	0.001	0.0001	0.005	0.001	0.001	0.026	0.001	0.001	0.005	0.89	0.0001
	Sep-24	0.001	0.2	0.02	0.001	0.011	0.010	0.01	0.01	12	0.2	29	3	0.16	0.001	0.0001	0.001	0.001	0.001	0.012	0.001	0.001	0.005	0.26	0.0001
	Oct-24	0.001	0.3	0.04	0.001	0.009	0.030	0.11	0.01	5	0.2	24	4	0.22	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.28	0.0001
	Nov-24	0.001	0.1	0.04	0.001	0.005	0.010	0.01	0.01	12	0.1	48	8	0.26	0.001	0.0001	0.001	0.001	0.001	0.07	0.001	0.001	0.005	0.41	0.0001
	Dec-24	0.001	0.2	0.01	0.001	0.005	0.010	0.02	0.01	12	0.2	124	5	0.13	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.011	0.27	0.0001
	Jan-25	0.001	0.2	0.03	0.001	0.005	0.050	0.02	0.01	18	0.2	62	2	0.04	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.005	0.14	0.0001
	Feb-25	0.001	0.3	0.04																					

Parameter	Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC uS/cm)	EC (uS/cm)	pH	Redox (mV)	Turbidity (NTU)	Dissolved Al (mg/L)	Dissolved As (mg/L)	Dissolved Cd (mg/L)	Dissolved Cr (mg/L)	Dissolved Cu (mg/L)	Cyanide (mg/L)	Dissolved Fe (mg/L)	Dissolved Pb (mg/L)	Dissolved Mn (mg/L)	Dissolved Hg (mg/L)	
YORKERS CREEK CATCHMENT																				
DGV	No	-	90-110	-	30-350	30-350	6.5-8	-	2-25	0.027	0.0008	0.0006	0.00001	0.001	0.004	0.3	0.001	1.2	0.00006	
LOR		-	-	-	-	-	-	-	0.1	0.01	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001	
Dec - May SSGV			89.6	8.35	31	24	6.79	94.6	9	0.36	0.003	0.00002	0.00001	0.002	0.002	0.41	0.001	0.005	0.00003	
June - Nov SSGV			88.7	10.2	27.9	20.5	6.61	106.1	7.87	0.32	0.0003	0.00002	0.00001	0.0002	0.002	0.23	0.001	0.003	0.00003	
NZG-IS	Mar-24	No	9.6	80.2	9.13	64.2	45.3	7.45	31.1	0.1	0.14	0.00015	0.00001	0.000005	0.0001	0.001	0.18	0.0005	0.004	0.000015
	Apr-24	No	6.4	84.9	-	67.1	-	7.38	-	0.96	0.03	0.0001	0.0001	0.001	0.001	0.002	0.08	0.001	0.006	0.0001
	May-24	No	3.9	85.8	-	68.6	-	6.68	-	0.2	0.04	0.001	0.0001	0.001	0.001	0.004	0.07	0.001	0.007	0.0001
	Jun-24	No	4.4	82.7	-	64.1	-	8.14	-	0.89	0.04	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	0.005	0.0001
	Jul-24	No	3.7	83.9	-	34.8	-	7.44	-	13.66	0.2	0.001	0.0001	0.001	0.001	0.002	0.18	0.001	0.004	0.0001
	Aug-24	No	7.7	84.4	-	28.9	-	6.95	-	15.47	0.44	0.001	0.0001	0.001	0.001	0.002	0.31	0.001	0.008	0.0001
	Sep-24	No	8.2	84.6	-	38.2	-	7.32	-	2.02	0.06	0.001	0.0001	0.001	0.001	0.002	0.08	0.001	0.004	0.0001
	Oct-24	No	11.1	84.5	-	39.6	-	7.47	-	5.3	0.08	0.001	0.0001	0.001	0.001	0.002	0.11	0.001	0.008	0.0001
	Nov-24	No	12.4	82.2	9.6	32.4	57	7.29	276	1.4	0.04	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.005	0.0001
	Dec-24	No	17.3	84.8	9.2	32.8	52	7.30	304	3.79	0.04	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.001	0.0001
	Jan-25	No	13.6	75.2	9.3	42.7	72	7.40	208	4.83	0.02	0.001	0.0001	0.001	0.001	0.005	0.05	0.001	0.004	0.0001
	Feb-25	No	19.0	87.1	9.3	16.6	75	7.42	176	2.72	0.07	0.001	0.0001	0.001	0.001	0.002	0.09	0.001	0.004	0.0001
	Mar-25	No	13.6	84.1	9.6	17.4	78	7.75	165	1.91	0.03	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	0.005	0.0001
	Apr-25	No	9.0	78.4	10.7	16.6	75	8.24	177	2.03	0.05	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.002	0.0001
	May-25	No	3.7	80.3	-	16.4	9.7	7.71	117.1	1.78	0.02	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	Jun-25	No	5.5	83.5	-	5.1	5.1	8.47	114.1	4.66	0.06	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.006	0.0001
	Jul-25	No	5.7	81.2	-	14.8	5.1	7.97	169.7	9.32	0.18	0.001	0.0001	0.001	0.001	0.002	0.15	0.0001	0.003	0.0001
	Aug-25	No	8.8	89.4	-	12.1	8.4	7.10	250.3	23.99	0.12	0.001	0.0001	0.001	0.001	0.002	0.08	0.001	0.004	0.0001
	Sep-25	No	7.2	87.9	-	48.4	31.9	6.80	126.6	2.68	0.04	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.004	0.0001
	Oct-25	No	10.1	39.9	-	65.1	46.6	7.06	152.3	3.28	0.08	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	0.004	0.0001
	Nov-25	No	17.5	67.6	-	31.1	26.7	6.71	133.7	1.81	0.08	0.001	0.0002	0.001	0.001	0.002	0.08	0.013	0.006	0.0001
	Dec-25	No	11.5	69.2	-	101.2	75	7.41	142.2	5.55	0.04	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	0.025	0.0001
	Jan-26	No	19.8	83.1	-	81.6	73.4	7.43	154.9	7.56	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.007	0.0001
	Feb-26	No	12.8	76.8	-	106.0	81.2	8.29	127.9	5.29	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.008	0.0001
	Mar-26	No	13.3	75.8	-	110.9	86.2	7.34	148	2.05	0.04	0.001	0.0001	0.001	0.001	0.002	0.09	0.001	0.007	0.0001
	Apr-26	No	8.9	70.1	-	76.9	53.2	7.18	143	3.52	0.05	0.001	0.0001	0.001	0.001	0.002	0.1	0.001	0.005	0.0001
	May-26	No	8.8	75.1	-	71.6	49.5	7.18	150	3.6	0.07	0.001	0.0001	0.001	0.001	0.002	0.11	0.001	0.007	0.0001
	Jun-26	No	6.7	79.4	-	52.7	-	7.40	-	8.54	0.09	0.001	0.0001	0.001	0.001	0.002	0.13	0.001	0.005	0.0001
YK-IS	Mar-24	No	11.4	78.0	8.53	35	25.9	6.70	41.1	21.44	0.45	0.00015	0.00001	0.000005	0.001	0.001	0.4	0.0005	0.018	0.000015
	Apr-24	No	6.8	80.7	-	36.5	-	7.94	-	12.37	0.09	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.016	0.0001
	May-24	No	4.7	82.7	-	35.8	-	6.43	-	0.2	0.06	0.001	0.0001	0.001	0.001	0.004	0.1	0.001	0.015	0.0001
	Jun-24	No	3.9	83.1	-	35.1	-	7.88	-	7.99	0.08	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.010	0.0001
	Jul-24	No	3.2	82.8	-	32.5	-	7.00	-	11.9	0.31	0.001	0.0001	0.001	0.001	0.002	0.25	0.001	0.008	0.0001
	Aug-24	No	7.2	81.3	-	23.5	-	6.70	-	25.12	0.67	0.001	0.0001	0.001	0.001	0.002	0.46	0.001	0.015	0.0001
	Sep-24	No	9.3	83.4	-	23.8	-	7.41	-	6.24	0.09	0.001	0.0001	0.001	0.001	0.002	0.13	0.001	0.009	0.0001
	Oct-24	No	13.7	86.3	-	23.7	-	7.83	-	3.1	0.07	0.001	0.0001	0.001	0.001	0.002	0.06	0.001	0.004	0.0001
	Nov-24	No	14.7	83.3	9.3	27.7	32	7.17	279	4.6	0.06	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.016	0.0001
	Dec-24	No	18.4	80.2	8.7	21.4	35	7.15	256	10.86	0.08	0.001	0.0001	0.001	0.001	0.002	0.16	0.001	0.017	0.0001
	Jan-25	No	16.1	69.0	8.7	25.7	43	7.09	232	1.98	0.01	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.051	0.0001
	Feb-25	No	21.0	73.5	8.8	9.1	40	6.61	175	9.85	0.46	0.001	0.0001	0.001	0.001	0.002	0.46	0.001	0.036	0.0001
	Mar-25	No	17.6	71.4	8.8	10.5	45	6.77	161	13.54	0.02	0.001	0.0001	0.001	0.001	0.002	0.19	0.001	0.059	0.0001
	Apr-25	Yes	11.9	65.4	9.7	10.9	49	6.93	183	7.27	0.07	0.001	0.0001	0.001	0.001	0.002	0.19	0.001	0.036	0.0001
	May-25	No	4.9	70.3	-	9.7	6	7.21	15.8	5.62	0.08	0.001	0.0001	0.001	0.001	0.002	0.18	0.001	0.021	0.0001
	Jun-25	No	5.9	84.9	-	8.9	5.6	8.07	110.3	13.6	0.14	0.001	0.0001	0.001	0.001	0.002	0.25	0.001	0.01	0.0001
	Jul-25	No	5.7	81.2	-	7.9	5	7.97	169.7	9.32	0.26	0.001	0.0001	0.001	0.001	0.002	0.2	0.001	0.004	0.0001
	Aug-25	No	6.3	84.1	-	12.2	7.8	7.90	252.8	8.58	0.18	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.006	0.0001
	Sep-25	No	7.0	84.2	-	30.6	20.1	7.80	122.5	7.52	0.1	0.001	0.0001	0.001	0.001	0.002	0.12	0.001	0.006	0.0001
	Oct-25	No	11.0	41.0	-	39.1	28.6	6.61	151.6	5.67	0.13	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.009	0.0001
	Nov-25	No	17.2	67.7	-	15.7	N/A	6.18	N/A	6.52	0.3	0.001	0.0001	0.001	0.154	0.002	0.23	0.002	0.017	0.0001
	Dec-25	No	17.2	67.7	-	15.7	35.8	6.90	143.9	8.09	0.14	0.001	0.0001	0.001	0.001	0.002	0.23	0.001	0.025	0.0001
	Jan-26	Yes	24.1	78.8	-	53.6	52.7	6.69	159.5	21.83	0.09	0.001	0.0001	0.001	0.001	0.002	0.34	0.001	0.057	0.0001
	Feb-26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-26	No	13.4	55.9	-	51.9	40.4	6.37	182.8	13.04	0.14	0.001	0.0001	0.001	0.001	0.002	0.34	0.001	0.057	0.0001
	Apr-26	No	8.3	66.6	-	38.5	26.2	6.76	129.2	15.33	0.17	0.001	0.0001	0.001	0.001	0.002	0.32	0.001	0.013	0.0001
	May-26	No	11.1	76.1	-	38.6	28.4	6.98	146.1	9.6	0.11	0.001	0.0001	0.001	0.001	0.002	0.18	0.001	0.01	0.0001
	Jun-26	No	6.8	77.5	-	39.7	-	7.60	-	12.02										

	Reference Site exceeds SSGV
	Impact Site Result exceeds SSGV or DG
<i>italics</i>	Result exceeds the Limit of Reporting

		Dissolved Ni (mg/L)	TN (mg/L)	TP (mg/L)	Dissolved Ag (mg/L)	Dissolved Zn (mg/L)	Ammonia (mg/L)	Nitrogen Oxides (mg/L)	Reactive Phosphorus (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjeldahl Nitrogen (mg/L) (TKN)	TDS (mg/L)	TSS (mg/L)	Total Al (mg/L)	Total As (mg/L)	Total Cd (mg/L)	Total Cr (mg/L)	Total Cu (mg/L)	Total Pb (mg/L)	Total Mn (mg/L)	Total Ni (mg/L)	Total Ag (mg/L)	Total Zn (mg/L)	Total Fe (mg/L)	Total Hg (mg/L)
Parameter																									
YORKERS CREEK CATCHMENT																									
DGV		0.008	0.25	0.02	0.00002	0.0024	0.013	0.015	0.015	-	-	-	0.2	0.027	0.0008	0.0006	0.00001	0.001	0.001	1.2	0.008	0.00002	0.0024	0.3	0.00006
LOR		0.001	0.1	0.01	0.001	0.005	0.010	0.010	0.01	1	0.1	10	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.05	0.0001
Dec - May SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	1	0.1	30	3												
June - Nov SSGV		0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	7	0.2	10	0.2												
NZG-IS		0.0005	0.1	0.01	0.00001	0.002	0.050	0.05	0.005	10	0.1	22	0.1												
	Mar-24	0.001	0.1	0.02	0.001	0.005	0.010	0.01	-	23	0.01	-	6	0.04	0.001	0.0001	0.001	0.001	0.001	0.012	0.001	0.001	0.005	0.24	0.0001
	Apr-24	0.001	0.2	0.06	0.001	0.007	0.010	0.05	0.01	23	0.2	60	5	0.06	0.001	0.0001	0.001	0.001	0.001	0.021	0.001	0.001	0.005	0.35	0.0001
	May-24	0.001	0.2	0.01	0.001	0.005	0.010	0.01	0.01	23	0.2	38	20	0.12	0.001	0.0001	0.001	0.001	0.001	0.037	0.001	0.001	0.005	0.67	0.0001
	Jun-24	0.001	0.2	0.04	0.001	0.005	0.010	0.04	0.01	12	0.2	52	6	0.22	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.26	0.0001
	Jul-24	0.001	0.4	0.04	0.001	0.005	0.010	0.01	0.01	12	0.4	44	19	0.92	0.001	0.0001	0.001	0.001	0.001	0.023	0.001	0.001	0.005	0.85	0.0001
	Aug-24	0.001	0.1	0.04	0.001	0.005	0.010	0.01	0.01	21	0.1	41	3	0.07	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.15	0.0001
	Sep-24	0.001	0.3	0.03	0.001	0.005	0.020	0.07	0.01	12	0.2	26	3	0.17	0.001	0.0001	0.001	0.001	0.001	0.01	0.002	0.001	0.005	0.27	0.0001
	Oct-24	0.001	0.1	0.04	0.001	0.005	0.010	0.01	0.01	21	0.1	60	1	0.11	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.14	0.0001
	Nov-24	0.001	0.2	0.01	0.001	0.005	0.010	0.01	0.01	21	0.2	50	1	0.09	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.16	0.0001
	Dec-24	0.001	0.4	0.02	0.001	0.005	0.070	0.4	0.01	26	0.4	74	4	0.06	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.16	0.0001
	Jan-25	0.001	0.2	0.04	0.001	0.005	0.030	0.01	0.01	30	0.2	64	2	0.07	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.14	0.0001
	Feb-25	0.001	0.2	0.02	0.001	0.005	0.010	0.12	0.02	30	0.1	66	2	0.11	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.18	0.0001
	Mar-25	0.001	0.2	0.04	0.001	0.005	0.020	0.01	0.01	30	0.2	58	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.12	0.0001
	Apr-25	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.02	30	0.1	54	1	0.11	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.011	0.16	0.0001
	May-25	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	23	0.1	85	1	0.14	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.18	0.0001
	Jun-25	0.001	0.2	0.03	0.001	0.005	0.020	0.01	0.01	12	0.2	31	4	0.21	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.21	0.0001
	Jul-25	0.001	0.1	0.05	0.001	0.005	0.010	0.01	0.01	21	0.1	43	1	0.2	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.17	0.0001
	Aug-25	0.001	0.2	0.03	0.001	0.005	0.010	0.01	0.01	18	0.2	57	1	0.18	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.18	0.0001
	Sep-25	0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	21	0.1	28	3	0.15	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.17	0.0001
	Oct-25	0.001	0.2	0.02	0.001	0.005	0.010	0.01	0.01	23	0.2	57	1	0.13	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.0001	0.005	0.18	0.0001
	Nov-25	0.001	0.3	0.01	0.001	0.005	0.010	0.01	0.01	23	0.3	84	42	0.43	0.001	0.0001	0.001	0.001	0.001	0.025	0.001	0.001	0.005	0.88	0.0001
	Dec-25	0.001	0.03	0.04	0.001	0.005	0.010	0.03	0.01	26	0.2	47	18	0.33	0.001	0.0001	0.001	0.001	0.001	0.021	0.001	0.001	0.01	0.47	0.0001
	Jan-26	0.001	0.4	0.02	0.001	0.031	0.280	0.1	0.01	32	0.3	56	1	0.05	0.001	0.0001	0.001	0.001	0.001	0.012	0.001	0.001	0.023	0.11	0.0001
	Feb-26	0.001	0.2	0.03	0.001	0.005	0.010	0.02	0.02	32	0.2	65	1	0.08	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.18	0.0001
	Mar-26	0.001	0.4	0.04	0.001	0.005	0.020	0.01	0.01	30	0.4	60	1	0.14	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.2	0.0001
	Apr-26	0.001	0.1	0.01	0.001	0.005	0.040	0.01	0.01	30	0.1	64	2	0.07	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.12	0.0001
	May-26	0.001	0.3	0.01	0.001	0.005	0.040	0.01	0.01	18	0.3	57	1	0.11	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.18	0.0001
YK-IS		0.0005	0.1	0.01	0.00001	0.004	0.050	0.05	0.005	1	0.1	21	1												
	Mar-24	0.001	0.3	0.02	0.001	0.005	0.010	0.06	-	12	0.06	-	13	0.15	0.001	0.0001	0.001	0.001	0.001	0.024	0.001	0.001	0.005	0.52	0.0001
	Apr-24	0.001	0.2	0.03	0.001	0.005	0.010	0.05	0.01	12	0.1	48	5	0.04	0.001	0.0001	0.001	0.001	0.001	0.014	0.001	0.001	0.005	0.16	0.0001
	May-24	0.001	0.3	0.03	0.001	0.005	0.010	0.06	0.01	9	0.2	19	6	0.32	0.001	0.0001	0.001	0.001	0.001	0.014	0.001	0.001	0.005	0.42	0.0001
	Jun-24	0.001	0.3	0.07	0.001	0.000	0.010	0.01	0.01	9	0.3	52	7	0.8	0.001	0.0001	0.001	0.001	0.001	0.015	0.001	0.001	0.005	0.62	0.0001
	Jul-24	0.002	0.4	0.04	0.001	0.005	0.030	0.01	0.01	9	0.4	62	15	1.22	0.001	0.0001	0.001	0.001	0.001	0.026	0.001	0.001	0.005	0.99	0.0001
	Aug-24	0.001	0.2	0.02	0.001	0.005	0.020	0.01	0.01	9	0.2	26	4	0.16	0.001	0.0001	0.001	0.001	0.001	0.012	0.001	0.001	0.005	0.26	0.0001
	Sep-24	0.001	0.2	0.06	0.001	0.005	0.010	0.01	0.01	21	0.2	40	4	0.14	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.23	0.0001
	Oct-24	0.001	0.1	0.04	0.001	0.01	0.010	0.01	0.01	9	0.1	42	3	0.31	0.001	0.0001	0.001	0.001	0.001	0.022	0.001	0.001	0.005	0.39	0.0001
	Nov-24	0.001	0.2	0.03	0.001	0.005	0.020	0.02	0.01	12	0.2	40	6	0.59	0.001	0.0001	0.001	0.001	0.001	0.026	0.001	0.001	0.005	0.55	0.0001
	Dec-24	0.001	0.2	0.02	0.001	0.008	0.020	0.01	0.02	14	0.2	59	3	0.07	0.001	0.0001	0.001	0.001	0.001	0.055	0.001	0.001	0.005	0.61	0.0001
	Jan-25	0.001	0.4	0.01	0.001	0.005	0.020	0.02	0.01	12	0.4	42	5	1.44	0.001	0.0001	0.001	0.001	0.001	0.048	0.001	0.001	0.005	1.31	0.0001
	Feb-25	0.001	0.2	0.03	0.001	0.005	0.010	0.01	0.01	7	0.2	41	13	0.25	0.001	0.0001	0.001	0.001	0.001	0.054	0.001	0.001	0.005	0.74	0.0001
	Mar-25	0.001	0.2	0.02	0.001	0.005	0.020	0.04	0.01	21	0.2	37	4	0.15	0.001	0.0001	0.001	0.001	0.001	0.095	0.001	0.001	0.005	0.85	0.0001
	Apr-25	0.001	0.1	0.03	0.001	0.005	0.010	0.01	0.01	14	0.1	33	1	0.15	0.001	0.0001	0.001	0.001	0.001	0.027	0.001	0.001	0.005	0.58	0.0001
	May-25	0.001	0.2	0.04	0.001	0.005	0.020	0.01	0.01	12	0.2	90	5	0.28	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.38	0.0001
	Jun-25	0.001	0.3	0.06	0.001	0.005	0.040	0.01	0.01	5	0.3	27	4	0.26	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.2	0.0001
	Jul-25	0.001	0.2	0.03	0.0001	0.005	0.070	0.01	0.01	9	0.2	28													

Appendix D: Calibration Certificate

CALIBRATION CERTIFICATE - WATER

Invoice No: 17218 Equipment Received: YSI ProDSS

Handheld S/N 23H104391

Cable S/N:

Included Items:

SENSOR CALIBRATION DETAILS

	Pre Calibration	Post Calibration	Accuracy	Pass	Fail
Temp	Factory	Calibrated	+/- 0.2C	☒	☐
pH	4.1	pH 4.00	+/- 0.2	☒	☐
pH	7	pH 7.00	+/- 0.2	☒	☐
ORP	220	225.3mV@24.3	+/- 30mV	☒	☐
Conductivity ☐	12950uS/cm	12900uS/cm	+/- 0.5%	☒	☐
DO ☐	98%	100% @763.3	+/- 2%	☒	☐
Turbidity	0	0 FNU	+/- 0.3 FNU	☒	☐
Turbidity	118	124 FNU	+/- 20 FNU	☒	☐
			+/-	☐	☐
			+/-	☐	☐
			+/-	☐	☐

Findings/ Recommendations /Comments:

- 1/ DO cap and calibration cup seal replaced.
- 2/ Firmware version upgraded.
- 3/ Calibrated.
- 4/

This is to certify that where possible, this instrument has been calibrated in accordance with the manufacturer's calibration procedure as recommended in the instrument service manual.

Regards,

Navid Black



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