



AUGUST 2026

MONTHLY CONSTRUCTION WATER QUALITY MONITORING REPORT

August 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.

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

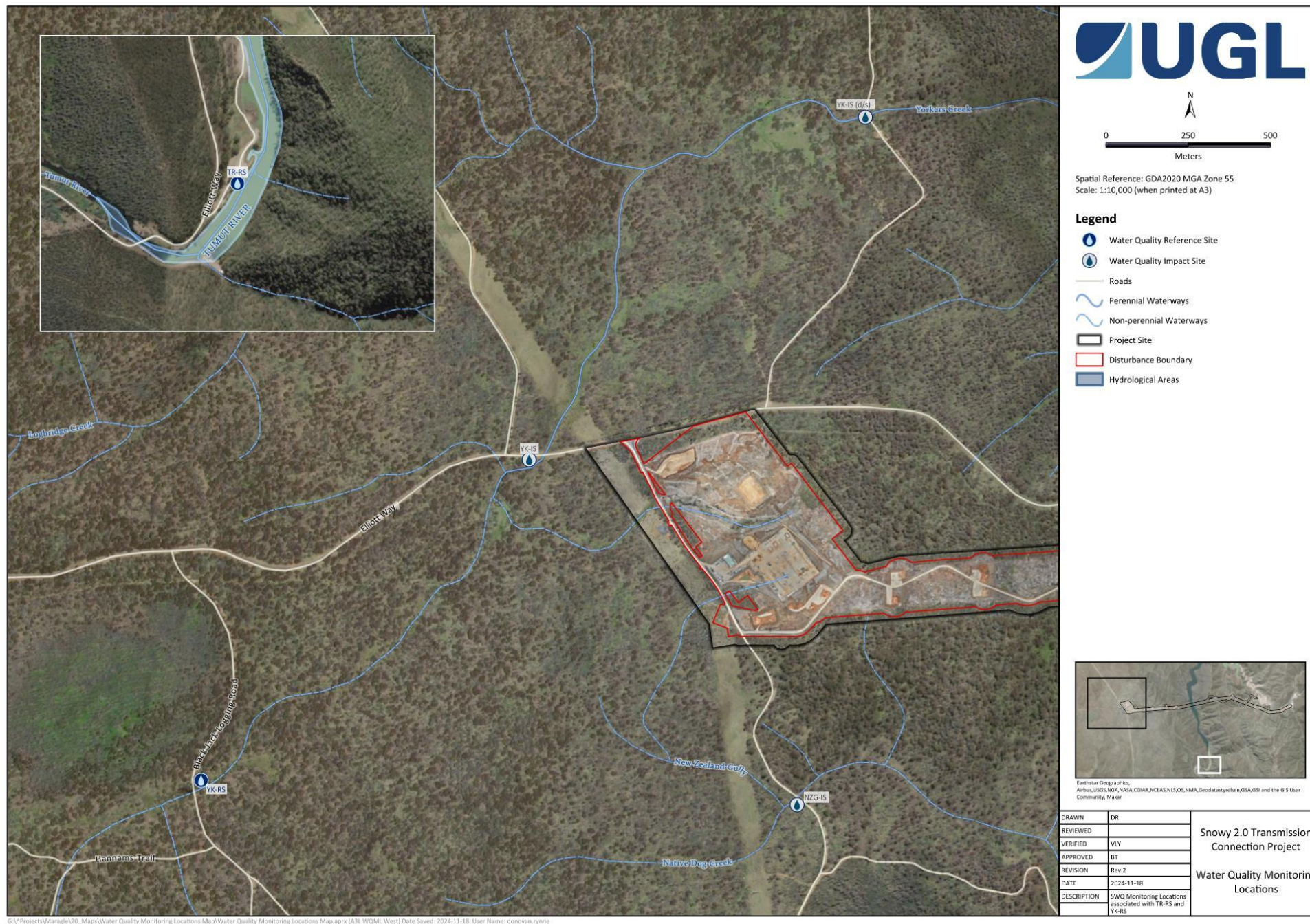


FIGURE 2 WATER QUALITY MONITORING LOCATIONS ASSOCIATED WITH REFERENCE SITE YR-RS AND TR-RS IN RELATION TO THE PROJECT

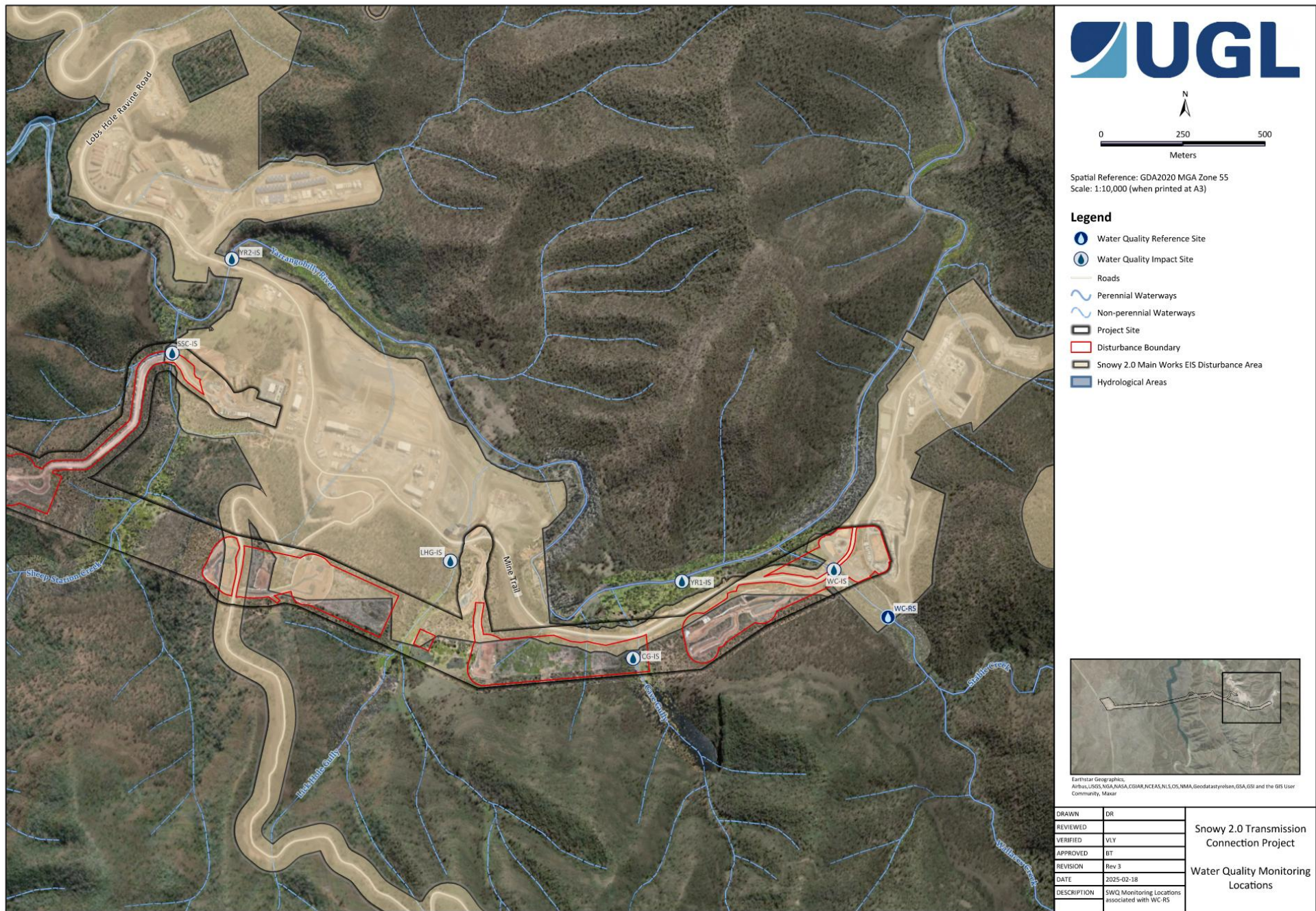


FIGURE 3 WATER QUALITY MONITORING LOCATIONS ASSOCIATED WITH REFERENCE SITE WC-RS IN RELATION TO THE PROJECT

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 AUGUST 2026 MONITORING

SW sampling was undertaken at 8 monitoring locations on 08 August 2026. SSC-IS, YK-RS, LGH-IS AND CG-IS were dry or had no flow at the time of monitoring.

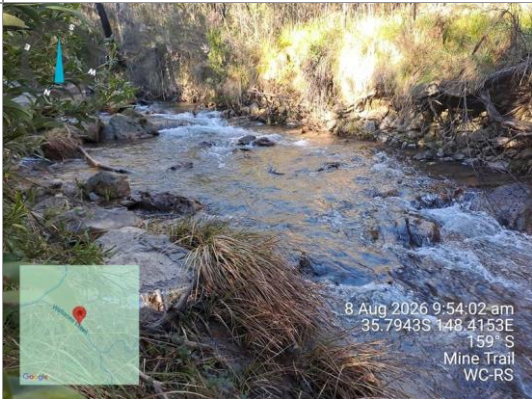
In accordance with the methodology outlined in Section 3, SW samples were either measured in situ using a calibrated YSI ProDSS Sonde Multiparameter Digital Water Quality Meter (refer to Appendix D) or analysed by National Association of Testing Authorities, Australia (NATA) accredited ALS Limited (ALS) 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	08 August 2026	
Weather	The weather forecast for 08 August was 60 percent <1 millimeters (mm) of rain. The weather at the time of sampling was cloudy and fine with a cold morning frost.	
ID	Observations	Photo
WC-RS	• Slow flow • Clear water with clear bed • 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	- Steady Flow - 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	Now Flow	

FIELD OBSERVATIONS

ID	Observations	Photo
YR1-IS	- Moderate flow - Clear 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	No flow	

FIELD OBSERVATIONS

ID	Observations	Photo
YR2-IS	• Slow flow • Evidence of fauna (tracks and scats). • Slight tinge, 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	• No flow	

FIELD OBSERVATIONS

ID	Observations	Photo
TR-RS	• Low water level and slow flow rate • Clear Water, slight tinge • 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	• No flow	

FIELD OBSERVATIONS

ID	Observations	Photo
YK-IS (D/S)	• Slow flow • Vegetation submerged in stream and bank • Branches overhanging creek • Evidence of fauna tracks on the bank • Slight yellow tinge to water • Murky water • Eroded banks	
NZG-IS	• Clear 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: August 2026 WQ Monitoring Results.

5.2.1 Key Physical and Chemical Parameters

See below for results of key physical and chemical parameters.

5.2.1.1 Temperature

During August 2026, mean water temperature decreased in the Yarrangobilly River catchment to approximately 5.2°C and at the Talbingo Reservoir reference site to 9.0°C, while the Yorkers Creek catchment remained broadly consistent at approximately 6.7°C, refer Figure 4 to Figure 6.

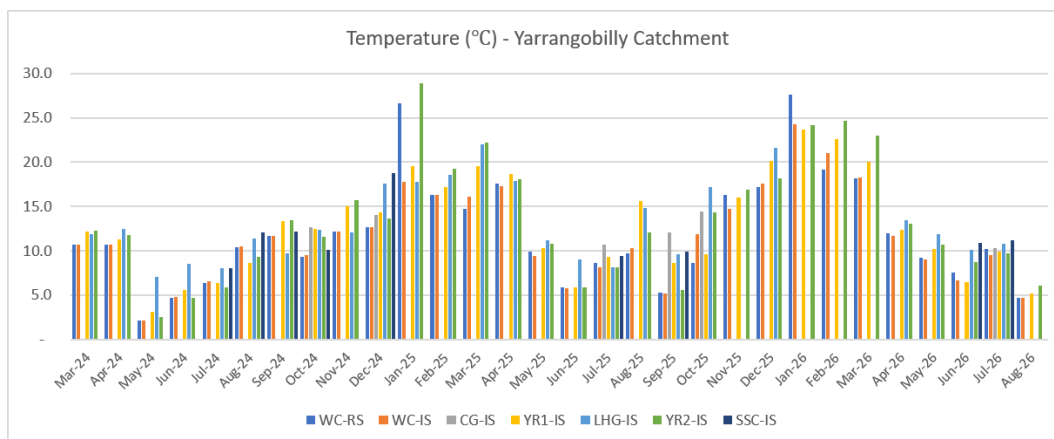


FIGURE 4 : TEMPERATURE FOR YARRANGOBILLY RIVER CATCHMENT

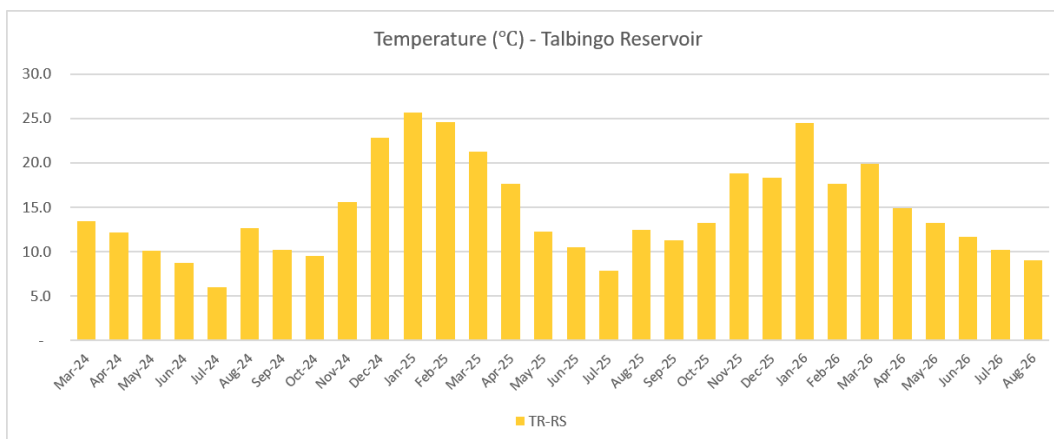


FIGURE 5: TEMPERATURE FOR TALBINGO RESERVOIR

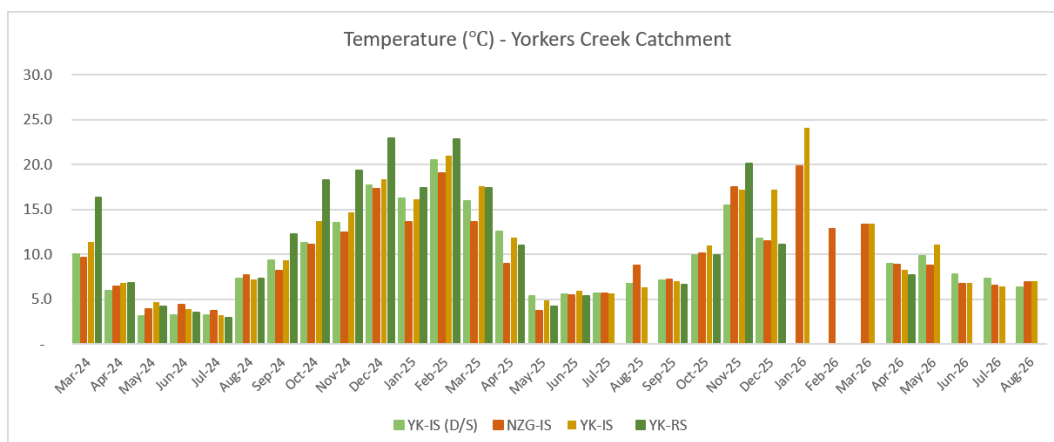


FIGURE 6: TEMPERATURE FOR YORKERS CREEK CATCHMENT

5.2.1.2 pH

During August 2026, pH exceeded the applicable June-November SSGV at all eight sampled monitoring locations across the Yarrangobilly River, Talbingo Reservoir and Yorkers Creek catchments, refer Figure 7 to Figure 9.

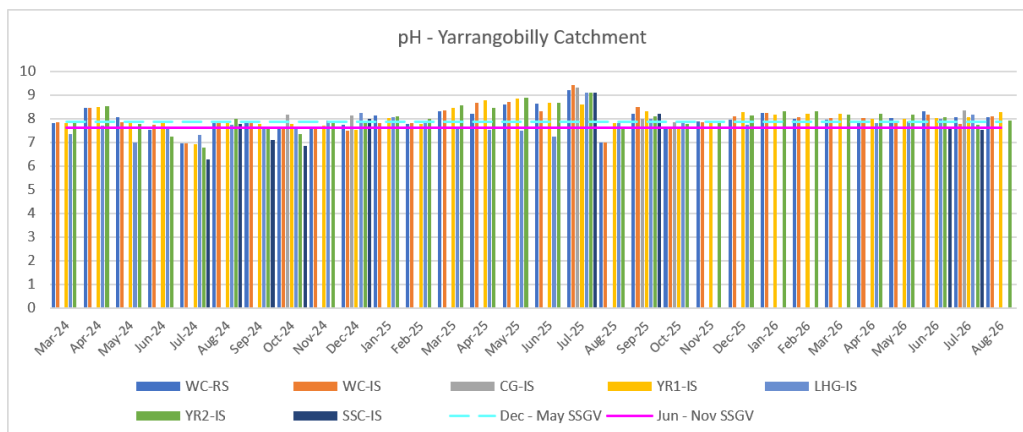


FIGURE 7: PH FOR YARRANGOBILLY RIVER CATCHMENT

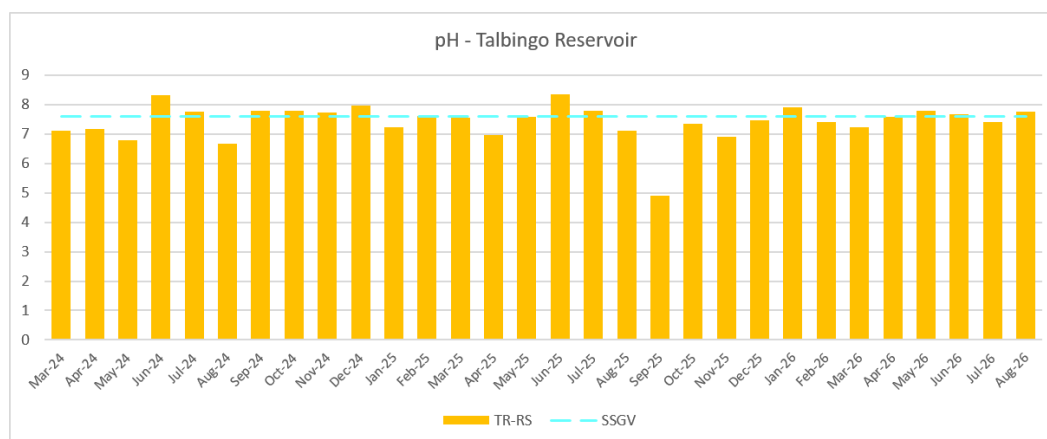


FIGURE 8: PH FOR TALBINGO RESERVOIR

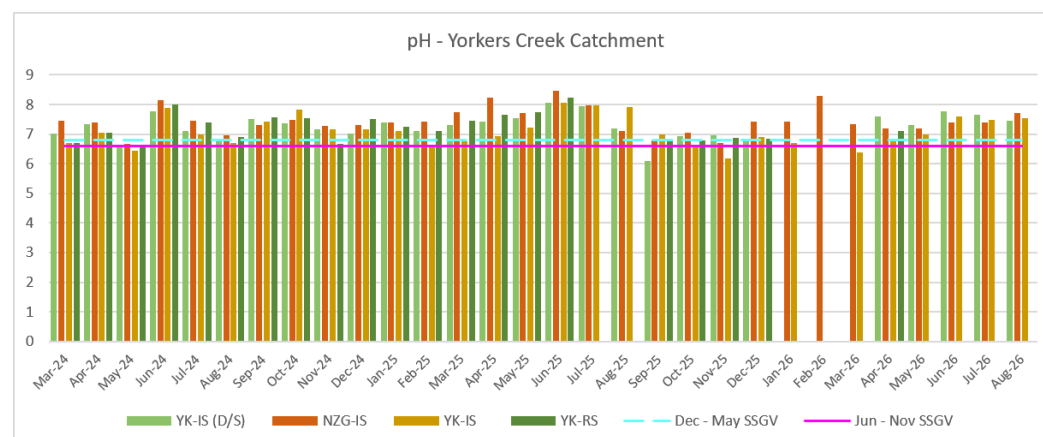


FIGURE 9: PH FOR YORKERS CREEK CATCHMENT

5.2.1.3 Dissolved Oxygen

During August 2026, dissolved oxygen (DO, %) was below the applicable June-November SSGV at all eight sampled monitoring locations across the three catchments, refer Figure 10 to Figure 12.

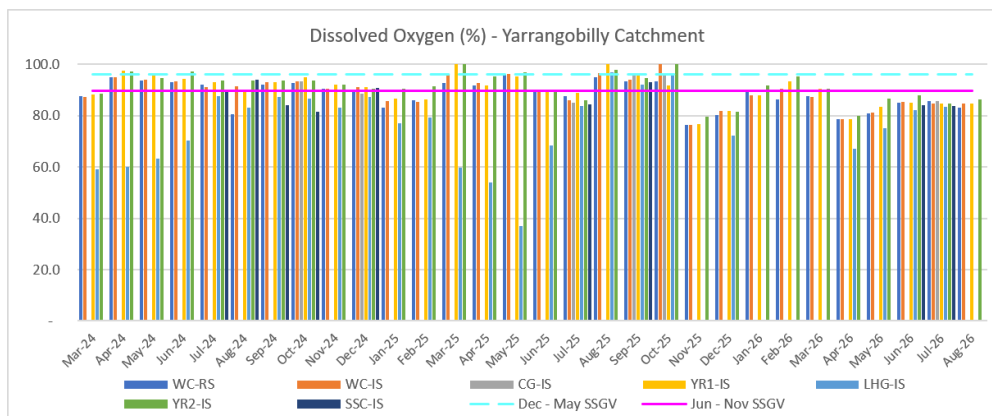


FIGURE 10: DO FOR YARRANGOBILLY RIVER CATCHMENT

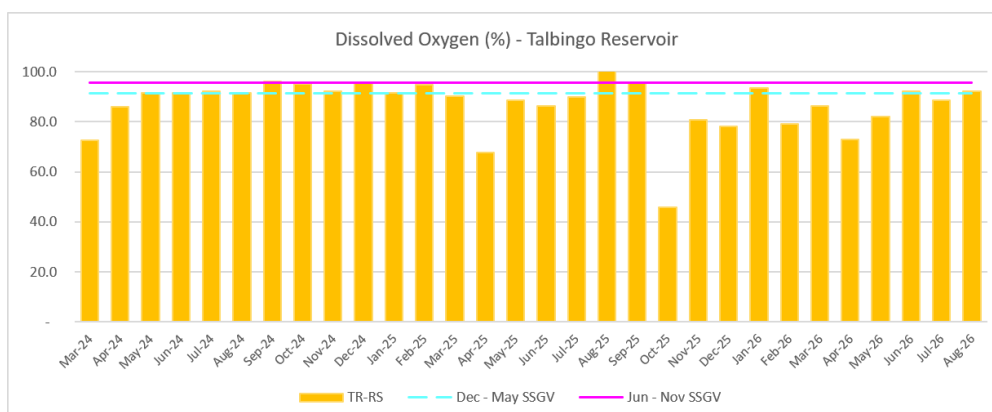


FIGURE 11: DO FOR TALBINGO RESERVOIR

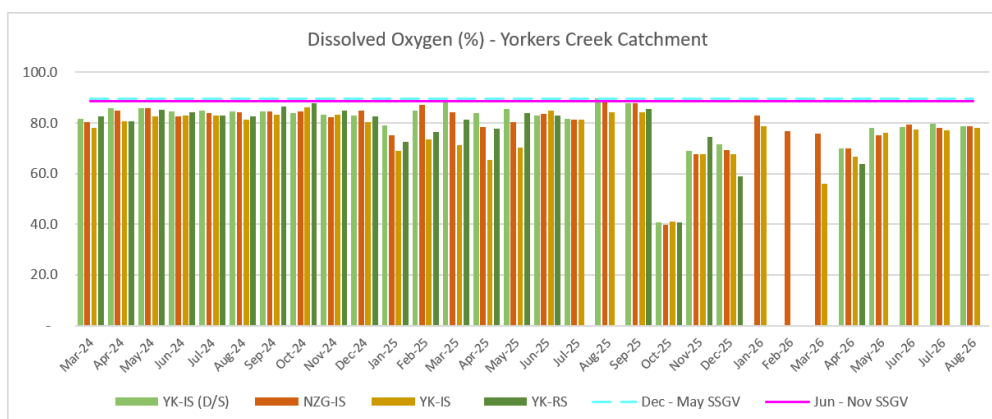


FIGURE 12: DO FOR YORKERS CREEK CATCHMENT

5.2.1.4 Specific Conductance

During August 2026, specific conductance (SPC, $\mu\text{S}/\text{cm}$) exceeded the applicable SSGV at YR1-IS in the Yarrangobilly River catchment and at YK-IS (D/S), NZG-IS and YK-IS in the Yorkers Creek catchment. WC-RS, WC-IS, YR2-IS and TR-RS remained below the applicable SSGV, refer Figure 13 to Figure 15.

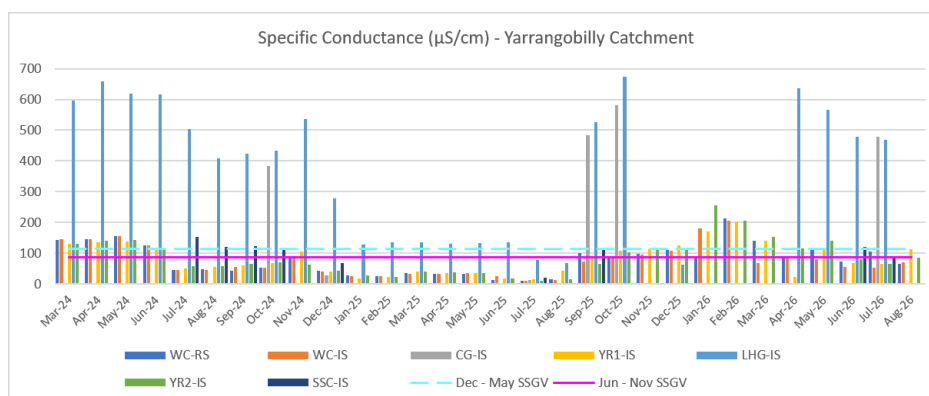


FIGURE 13: SPC FOR YARRANGOBILLY RIVER CATCHMENT

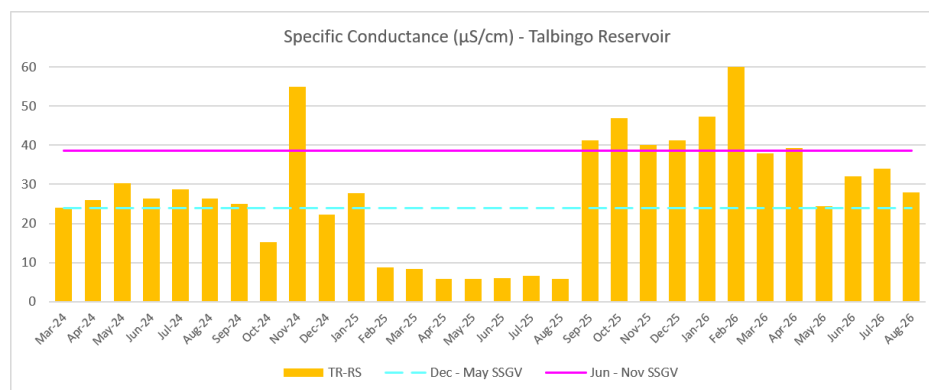


FIGURE 14: SPC FOR TALBINGO RESERVOIR

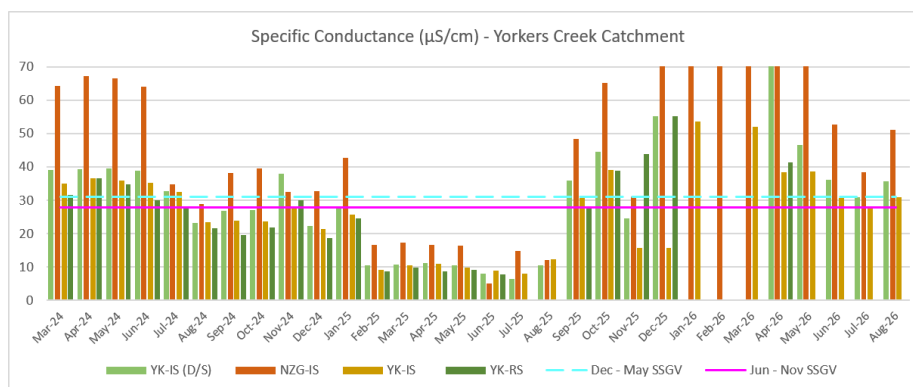


FIGURE 15: SPC FOR YORKERS CREEK CATCHMENT

5.2.1.5 Electrical Conductivity

Electrical conductivity (EC, $\mu\text{S}/\text{cm}$) exceeded the applicable SSGV at YR1-IS in the Yarrangobilly River catchment and at YK-IS (D/S) and NZG-IS in the Yorkers Creek catchment during August 2026. The remaining sampled locations were below the applicable SSGV, refer Figure 16 to Figure 18.

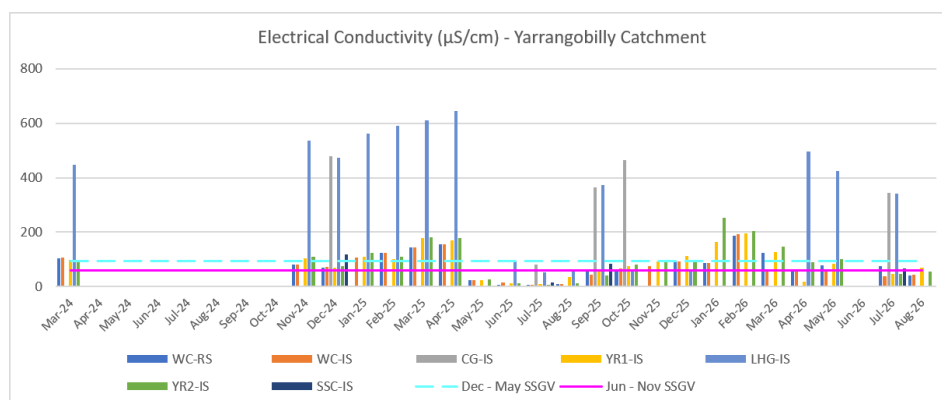


FIGURE 16: EC FOR YARRANGOBILLY RIVER CATCHMENT

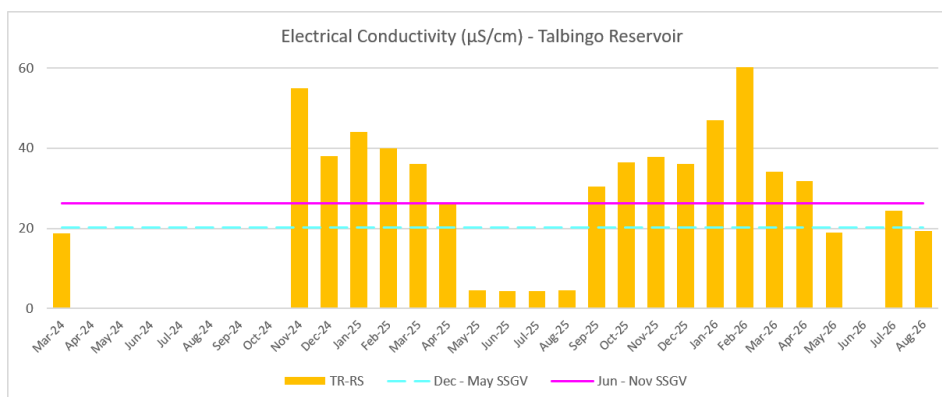


FIGURE 17: EC FOR TALBINGO RESERVOIR

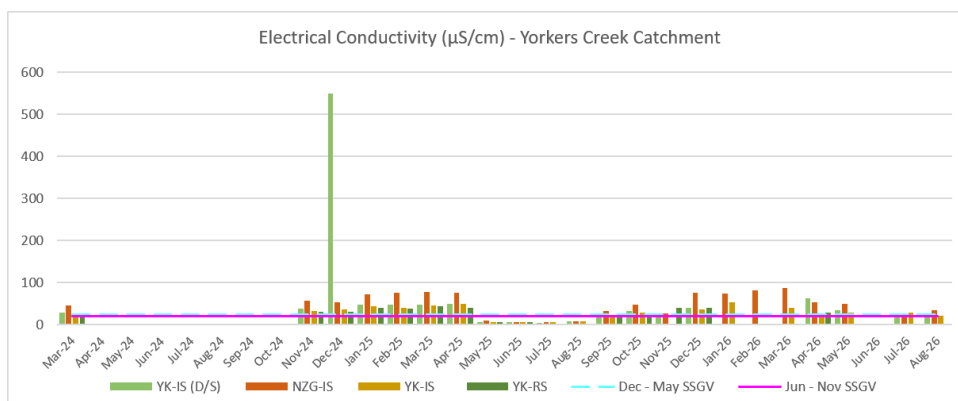


FIGURE 18: EC FOR YORKERS CREEK CATCHMENT

5.2.1.6 Turbidity

During August 2026, turbidity (NTU) exceeded the applicable SSGV at TR-RS only. Turbidity at all other sampled locations was below the applicable SSGV, refer Figure 19 to Figure 21.

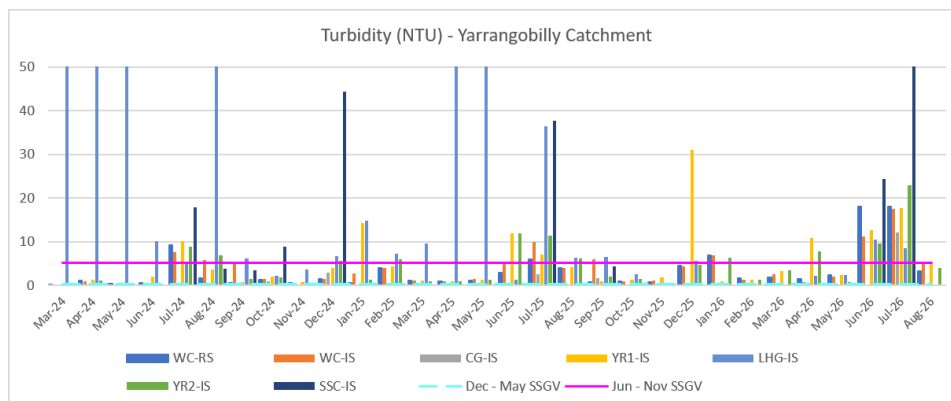


FIGURE 19: TURBIDITY FOR YARRANGOBILLY RIVER CATCHMENT

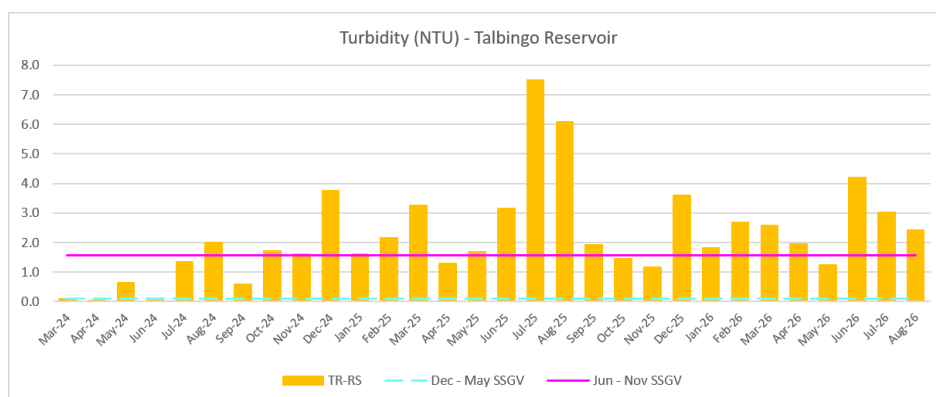


FIGURE 20: TURBIDITY FOR TALBINGO RESERVOIR

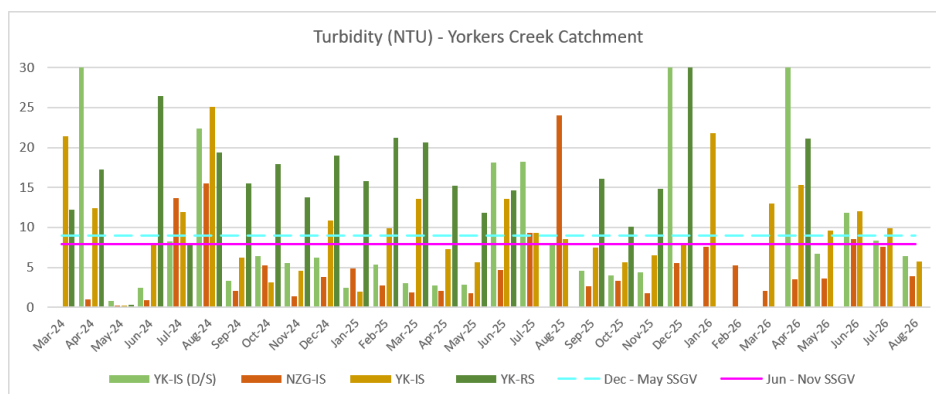


FIGURE 21: TURBIDITY FOR YORKERS CREEK CATCHMENT

5.2.1.7 Total Suspended Solids

Total suspended solids (TSS, mg/L) exceeded the applicable SSGV at WC-RS, WC-IS, YR1-IS and YR2-IS in the Yarrangobilly River catchment, at TR-RS, and at YK-IS (D/S) and YK-IS in the Yorkers Creek catchment. The NZG-IS result was reported at the laboratory limit of reporting and has not been treated as a confirmed exceedance, refer Figure 22 to Figure 24.

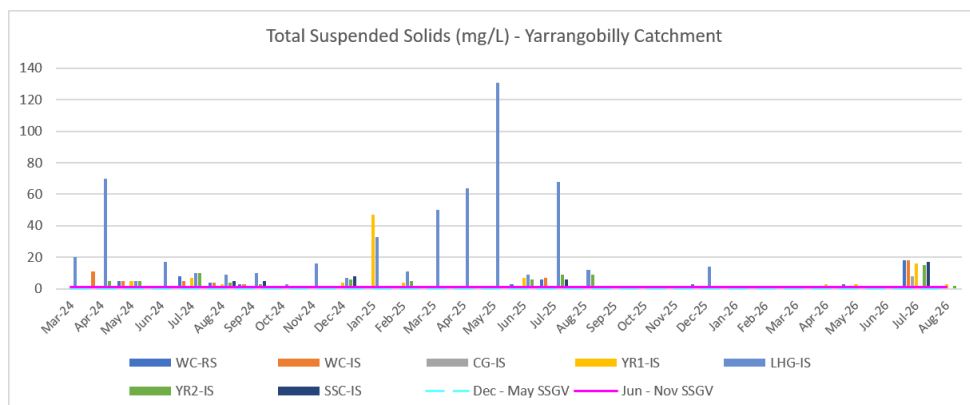


FIGURE 22: TSS FOR YARRANGOBILLY RIVER CATCHMENT

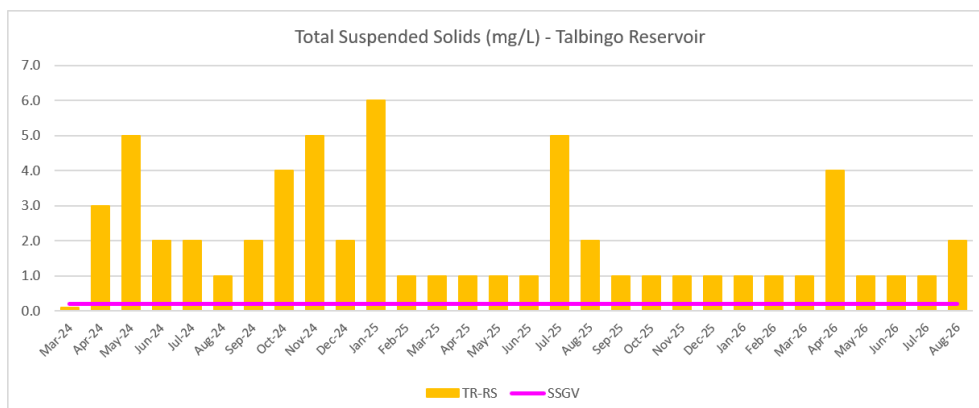


FIGURE 23: TSS FOR TALBINGO RESERVOIR

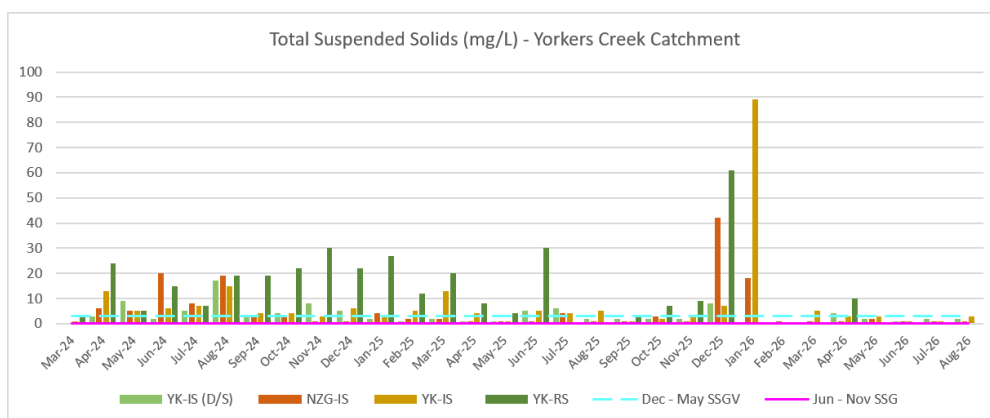


FIGURE 24: TSS FOR YORKERS CREEK CATCHMENT

5.2.1.8 Total Dissolved Solids

During August 2026, total dissolved solids (TDS, mg/L) exceeded the applicable SSGV at all sampled locations except WC-RS. The highest result was recorded at YK-IS (58 mg/L), refer Figure 25 to Figure 27.

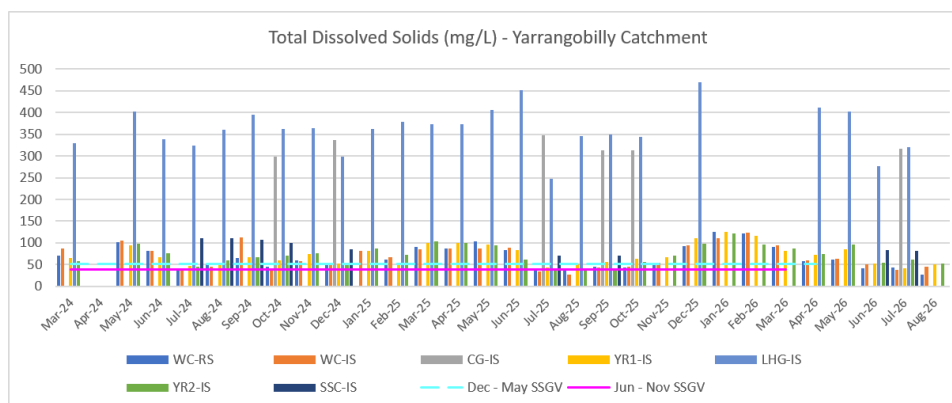


FIGURE 25: TDS FOR YARRANGOBILLY RIVER CATCHMENT

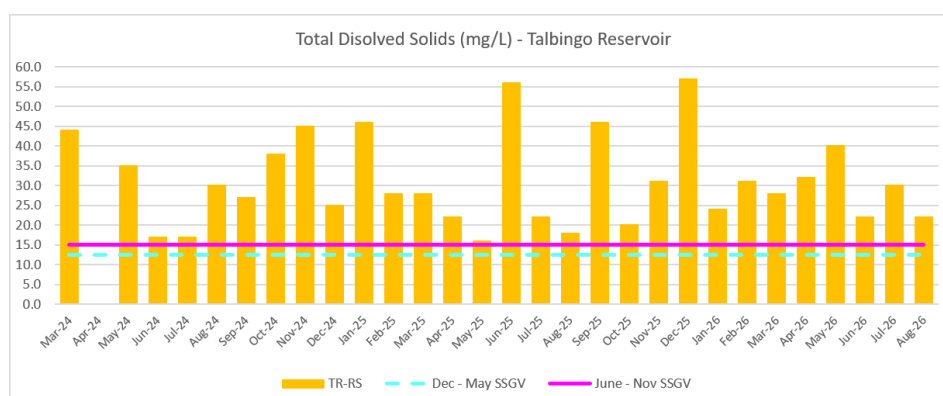


FIGURE 26: TDS FOR TALBINGO RESERVOIR

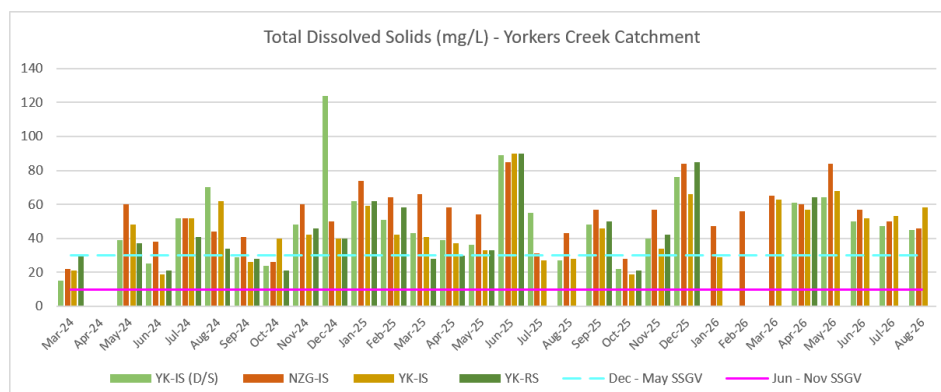


FIGURE 27: TDS FOR YORKERS CREEK CATCHMENT

5.2.1.9 Redox

Redox (mV) exceeded the applicable June-November SSGV at WC-RS, WC-IS and YR2-IS in the Yarrangobilly River catchment, at TR-RS, and at YK-IS (D/S) and NZG-IS in the Yorkers Creek catchment during August 2026. YR1-IS and YK-IS remained below the applicable SSGV, refer Figure 28 to Figure 30.

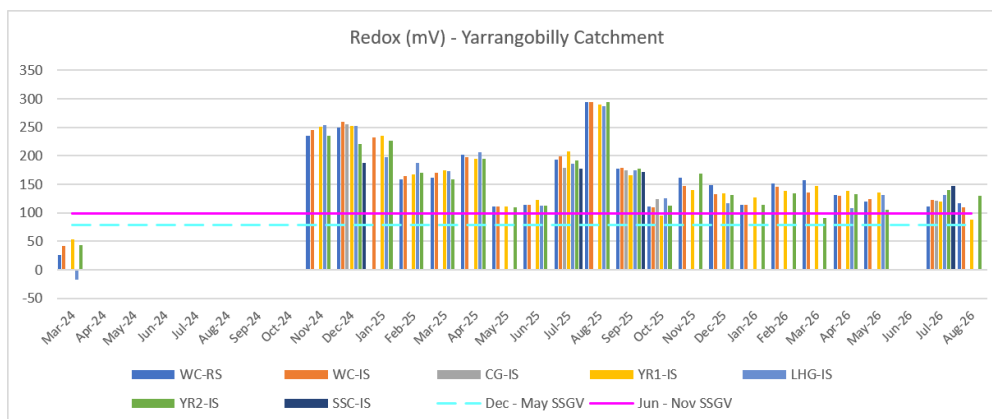


FIGURE 28: REDOX FOR YARRANGOBILLY RIVER CATCHMENT

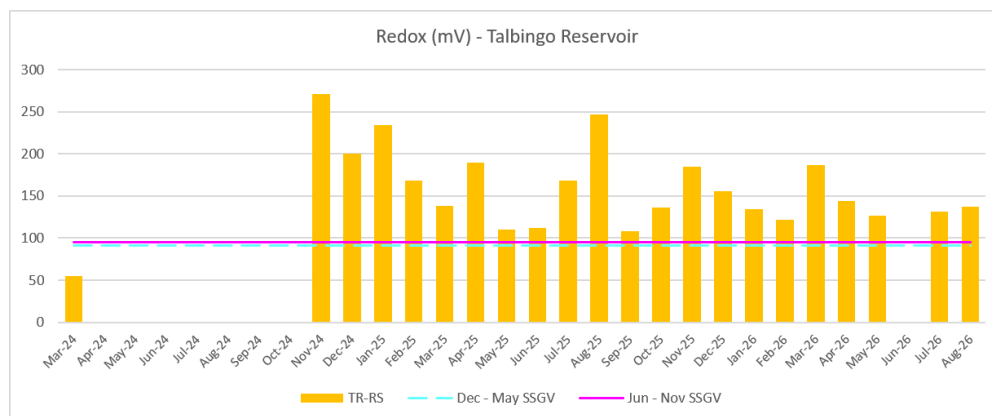


FIGURE 29: REDOX FOR TALBINGO RESERVOIR

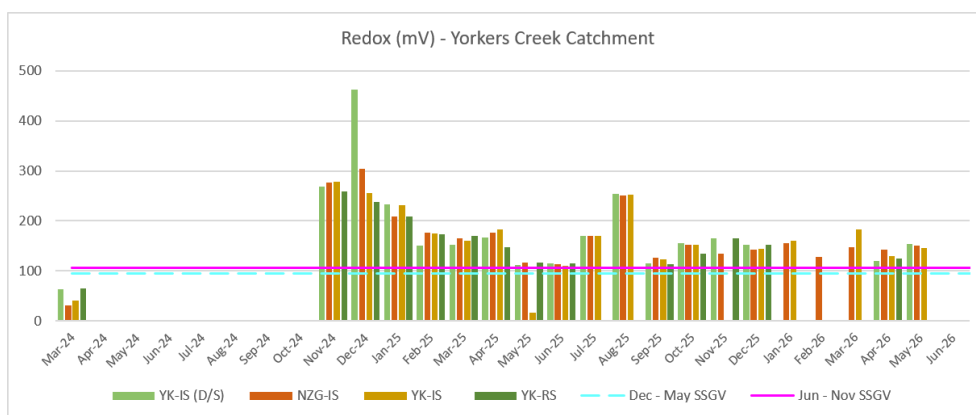


FIGURE 30: REDOX FOR YORKERS CREEK CATCHMENT

5.2.1.10 Nitrogen Oxides

Nitrogen oxides (mg/L) exceeded the applicable SSGV at WC-IS, TR-RS and NZG-IS during August 2026. Results at the remaining sampled locations were at or below the applicable SSGV or laboratory limit of reporting, refer Figure 31 to Figure 33.

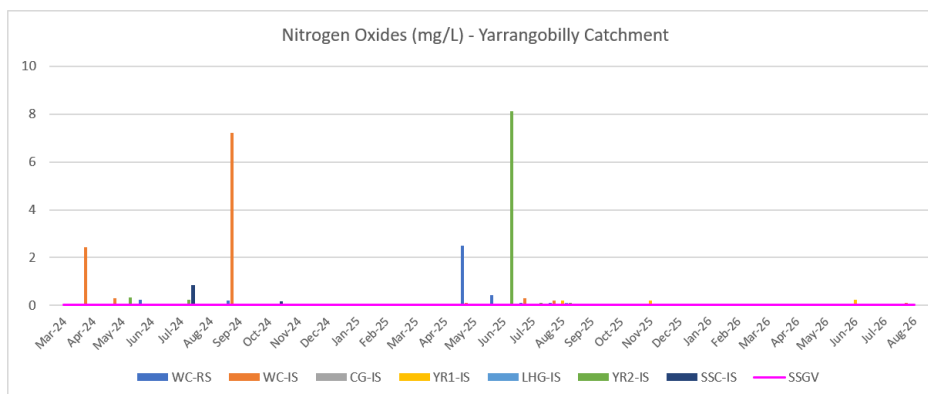


FIGURE 31: NITROGEN OXIDES FOR YARRANGOBILLY RIVER CATCHMENT

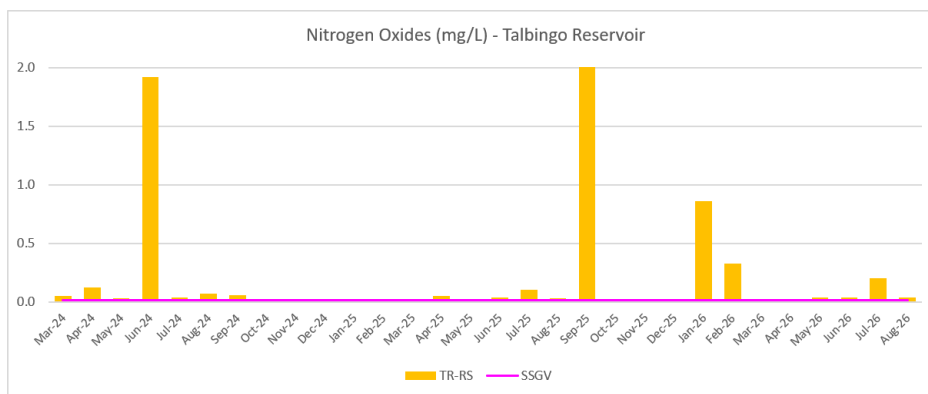


FIGURE 32: NITROGEN OXIDES FOR TALBINGO RESERVOIR

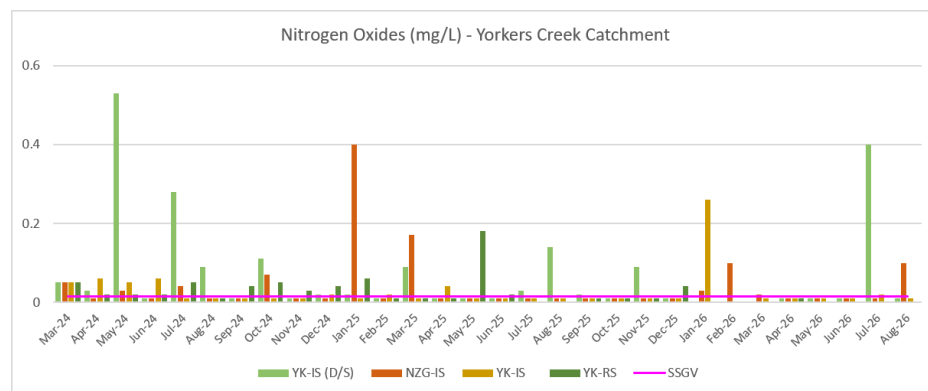


FIGURE 33: NITROGEN OXIDES FOR YORKERS CREEK CATCHMENT

5.2.1.11 Ammonia

Ammonia (mg/L) exceeded the applicable SSGV at all eight sampled monitoring locations during August 2026, refer Figure 34 to Figure 36.

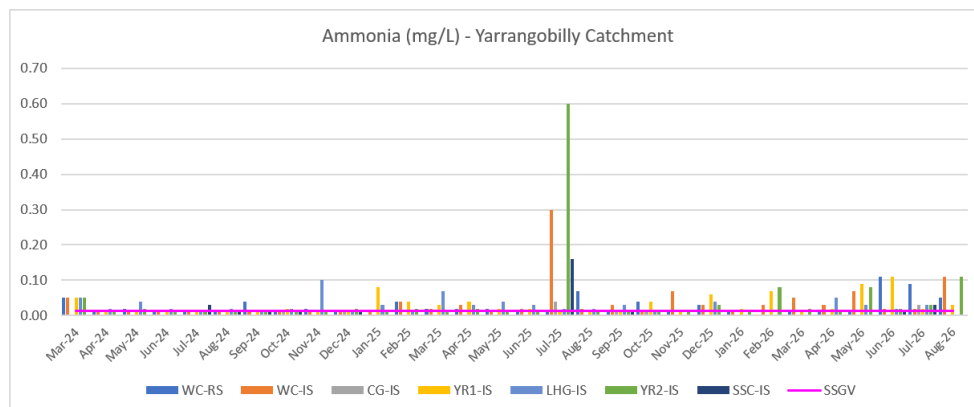


FIGURE 34: AMMONIA FOR YARRANGOBILLY RIVER CATCHMENT

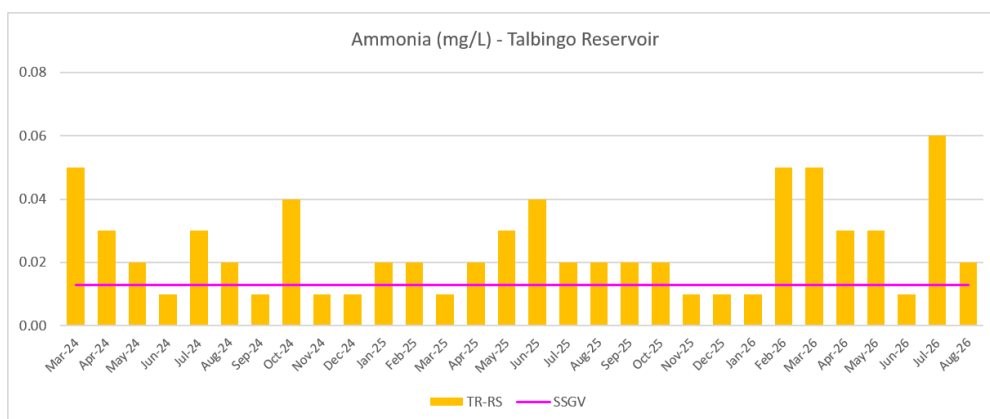


FIGURE 35: AMMONIA FOR TALBINGO RESERVOIR

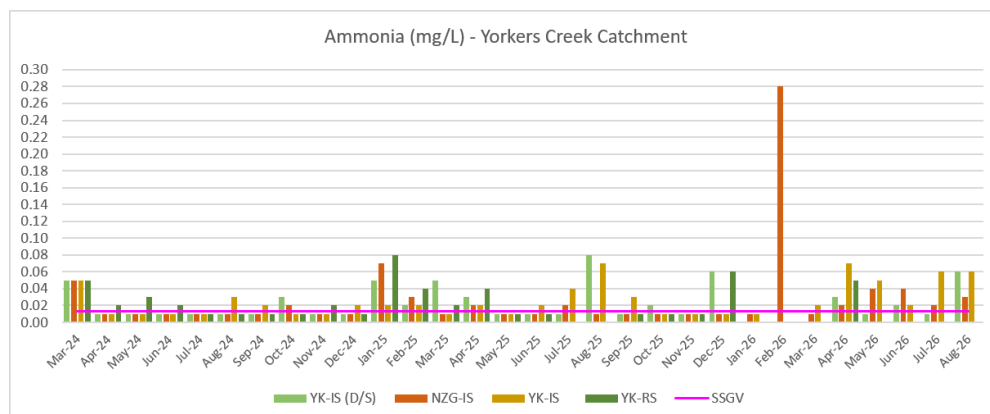


FIGURE 36: AMMONIA FOR YORKERS CREEK CATCHMENT

5.2.1.12 Cyanide

Cyanide (mg/L) concentrations were below the laboratory limit of reporting at all sampled locations across the three catchments during August 2026, refer Figure 37 to Figure 39.

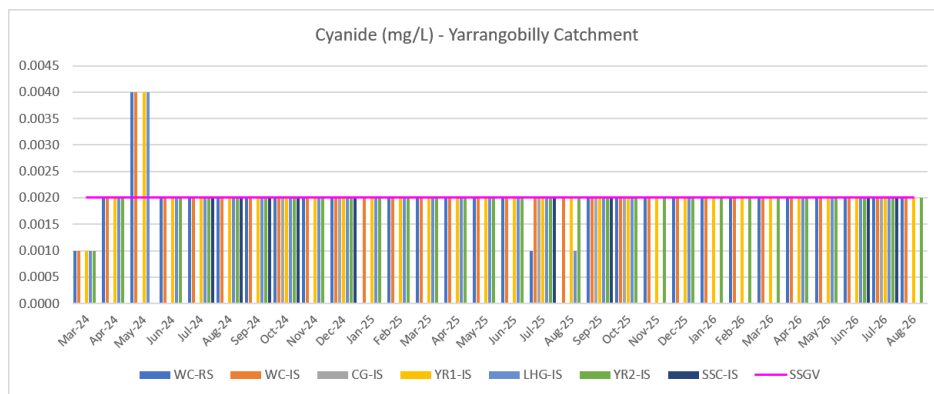


FIGURE 37: CYANIDE FOR YARRANGOBILLY RIVER CATCHMENT

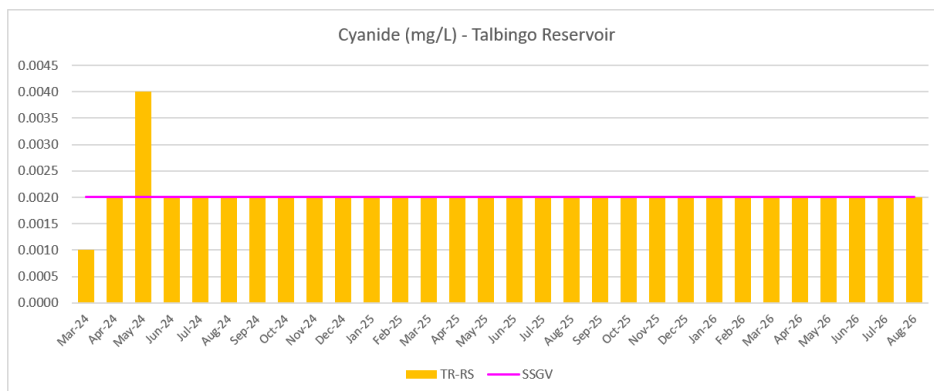


FIGURE 38: CYANIDE FOR TALBINGO RESERVOIR

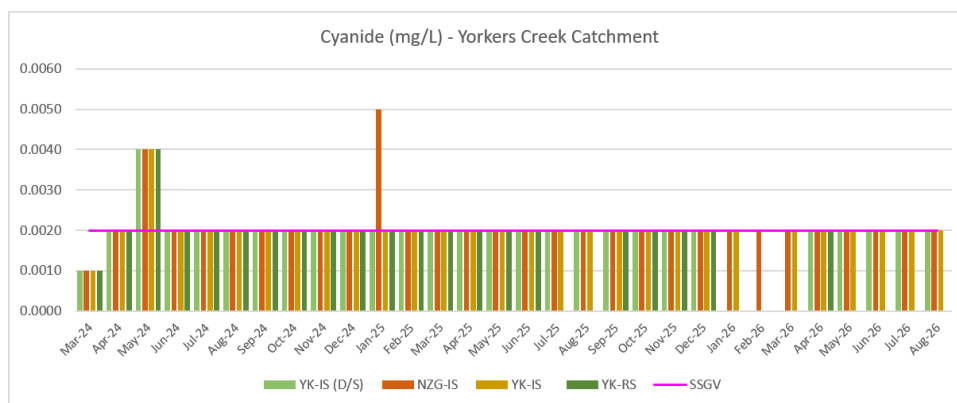


FIGURE 39: CYANIDE FOR YORKERS CREEK CATCHMENT

5.2.1.13 Total Hardness

During August 2026, total hardness (mg/L as CaCO₃) exceeded the applicable SSGV at YR1-IS and YR2-IS in the Yarrangobilly River catchment and at YK-IS (D/S) and NZG-IS in the Yorkers Creek catchment. The remaining sampled locations were below the applicable SSGV, refer Figure 40 to Figure 42.

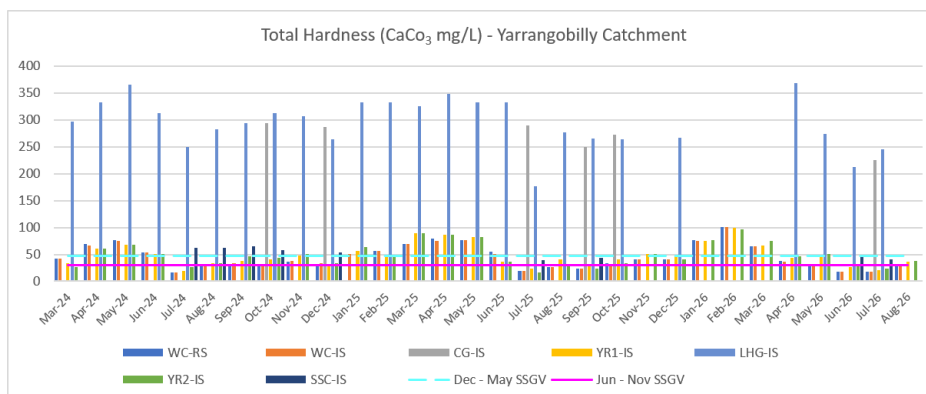


FIGURE 40: CaCO₃ FOR YARRANGOBILLY RIVER CATCHMENT

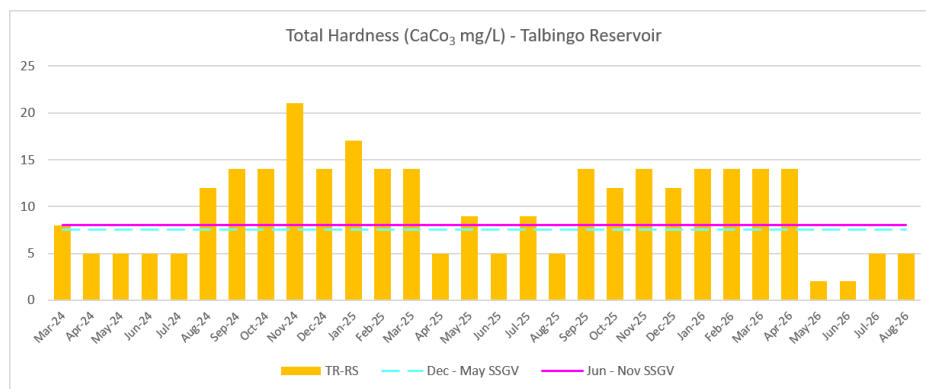


FIGURE 41: CaCO₃ FOR TALBINGO RESERVOIR

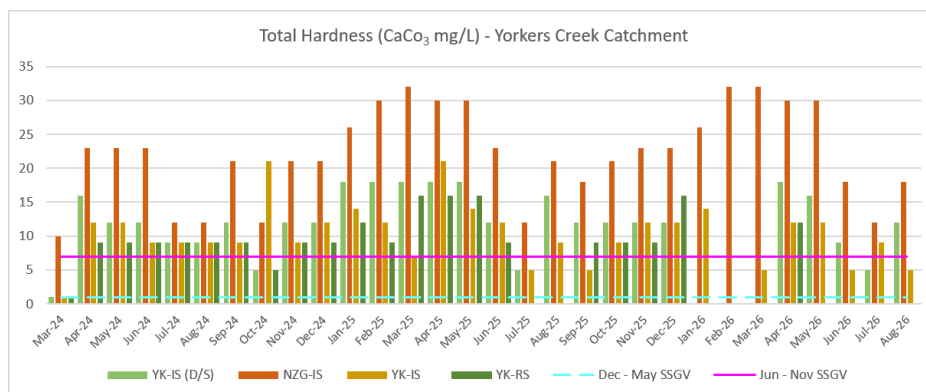


FIGURE 42: CaCO₃ FOR YORKERS CREEK CATCHMENT

5.2.1.14 Total Kjeldahl Nitrogen

Total Kjeldahl nitrogen (TKN, mg/L) did not exceed the applicable June-November SSGV at any sampled location during August 2026. Results were at or below the applicable SSGV, refer Figure 43 to Figure 45.

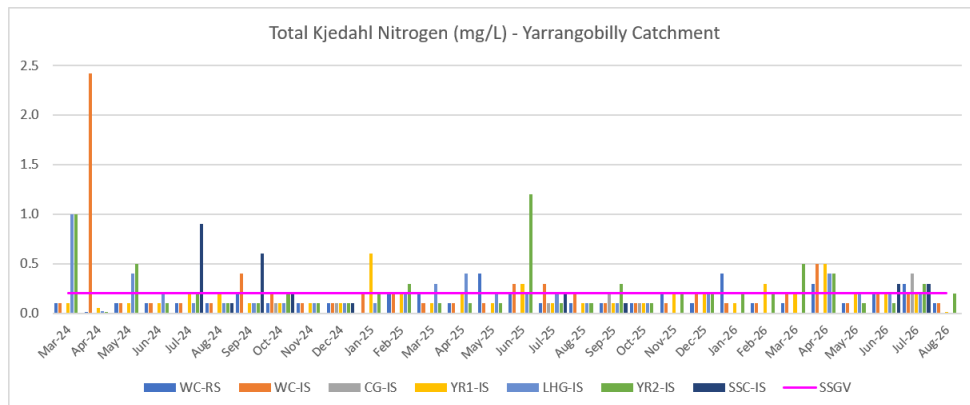


FIGURE 43: TKN FOR YARRANGOBILLY RIVER CATCHMENT

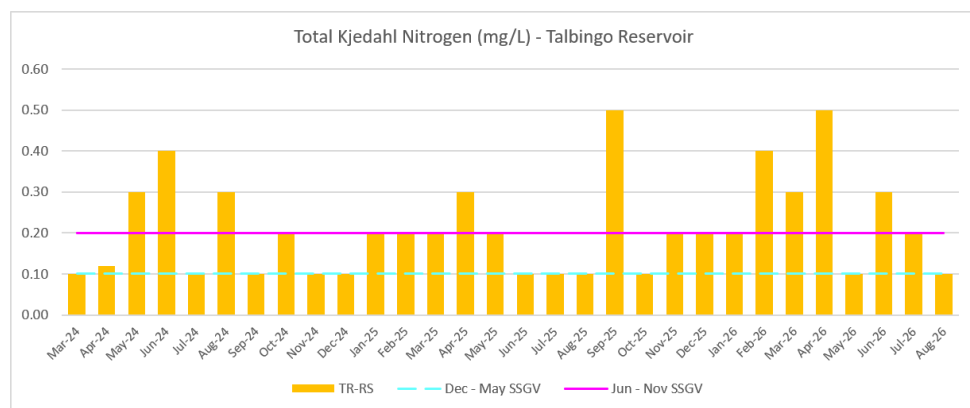


FIGURE 44: TKN FOR TALBINGO RESERVOIR

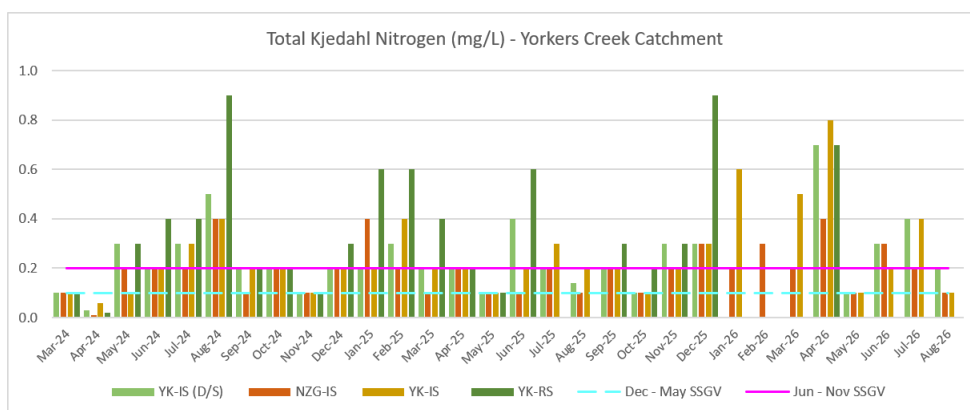


FIGURE 45: TKN FOR YORKERS CREEK CATCHMENT

5.2.1.15 Total Nitrogen

Total nitrogen (TN, mg/L) did not exceed the applicable June-November SSGV at any sampled location during August 2026. Results were at or below the applicable SSGV, refer Figure 46 to Figure 48.

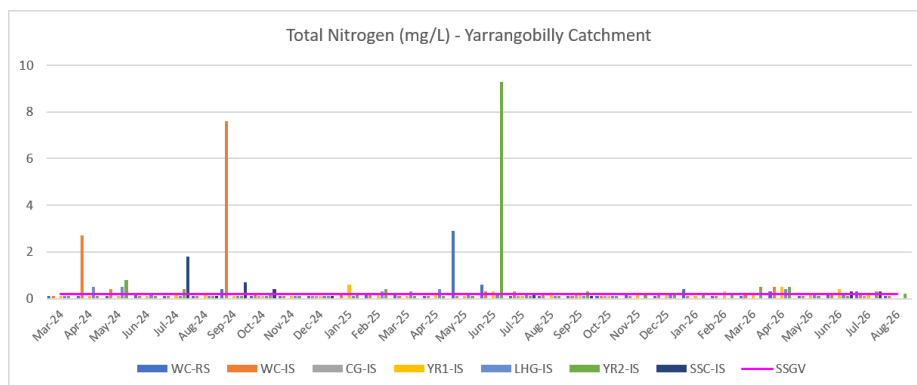


FIGURE 46: TN FOR YARRANGOBILLY RIVER CATCHMENT

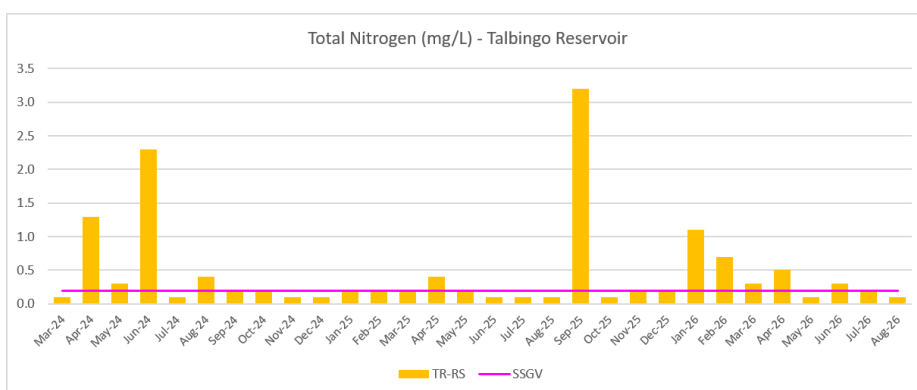


FIGURE 47: TN FOR TALBINGO RESERVOIR

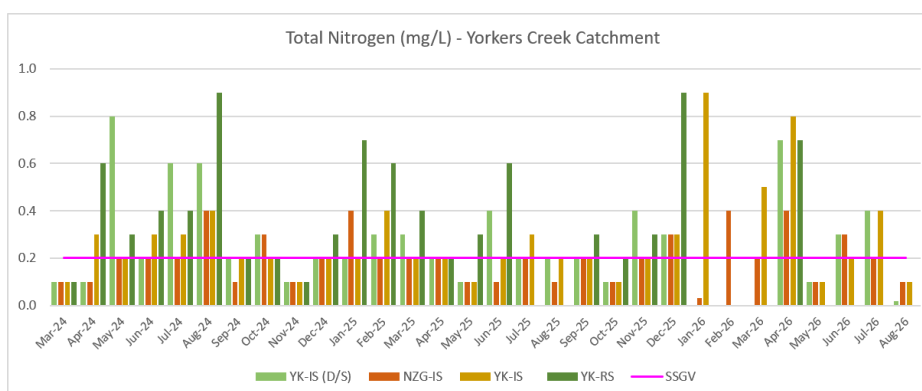


FIGURE 48: TN FOR YORKERS CREEK CATCHMENT

5.2.1.16 Total Phosphorus

Total phosphorus (TP, mg/L) exceeded the applicable SSGV at WC-RS during August 2026. Results at the remaining sampled locations were at or below the applicable SSGV or laboratory limit of reporting, refer Figure 49 to Figure 51.

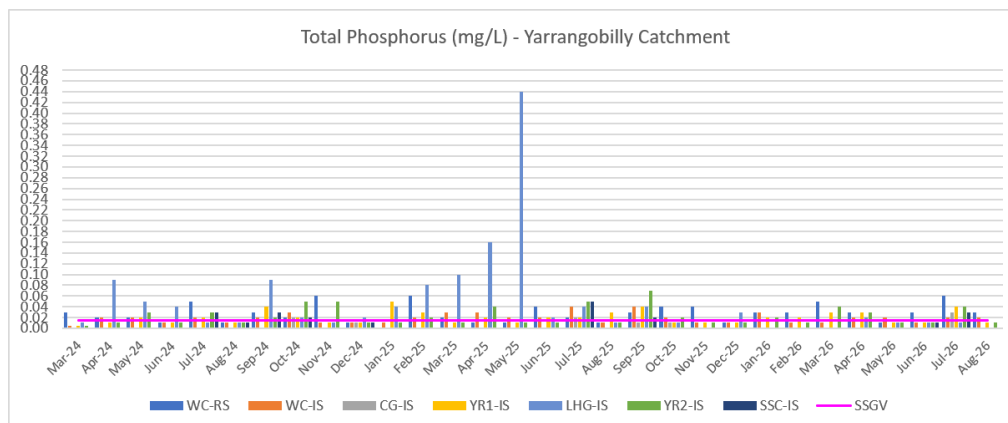


FIGURE 49: TP FOR YARRANGOBILLY RIVER CATCHMENT

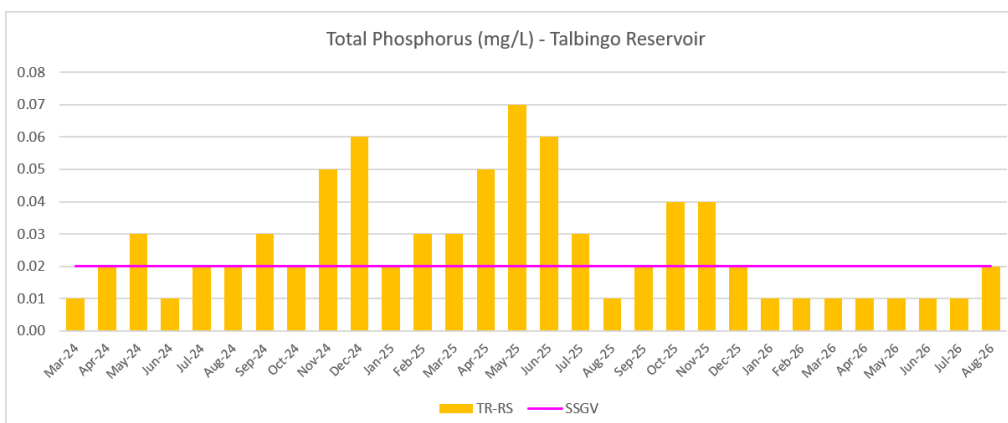


FIGURE 50: TP FOR TALBINGO RESERVOIR

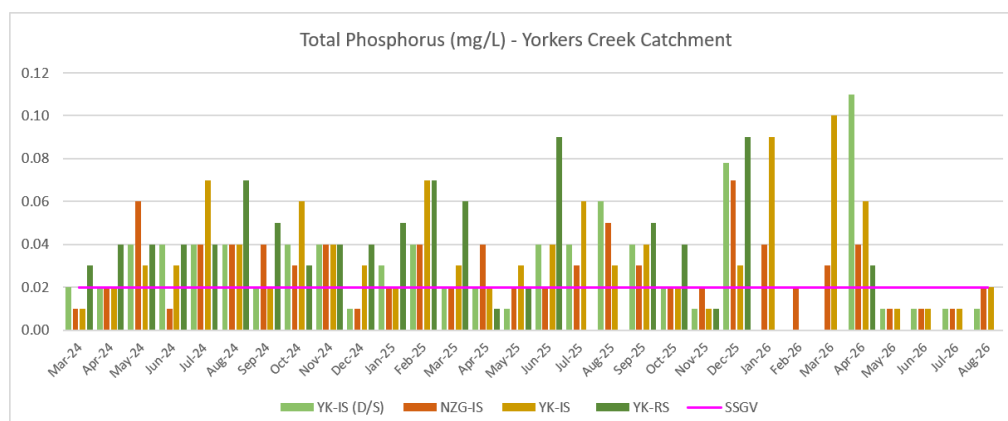


FIGURE 51: TP FOR YORKERS CREEK CATCHMENT

5.2.1.17 Reactive Phosphorus

Reactive phosphorus (RP, mg/L) did not exceed the applicable SSGV at any sampled location during August 2026. Results were at or below the applicable SSGV or laboratory limit of reporting, refer Figure 52 to Figure 54.

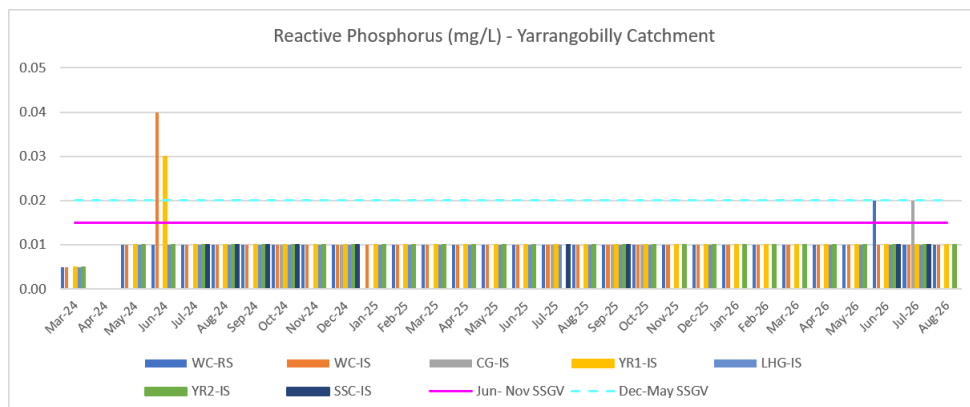


FIGURE 52: RP FOR YARRANGOBILLY RIVER CATCHMENT

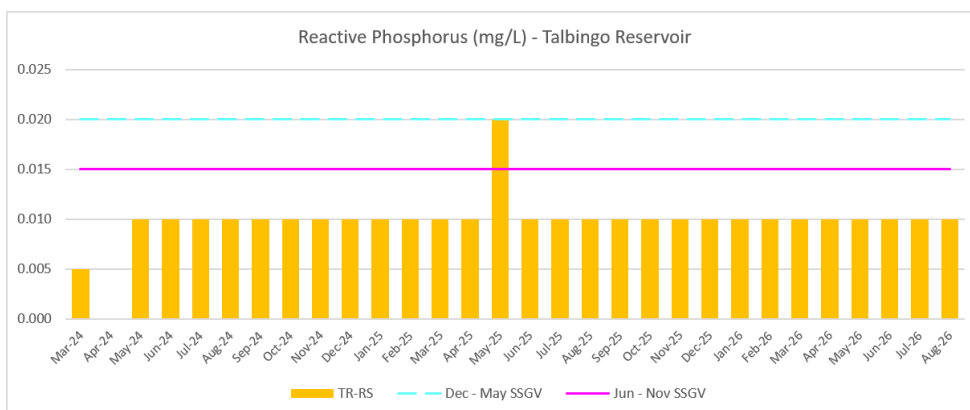


FIGURE 53: RP FOR TALBINGO RESERVOIR

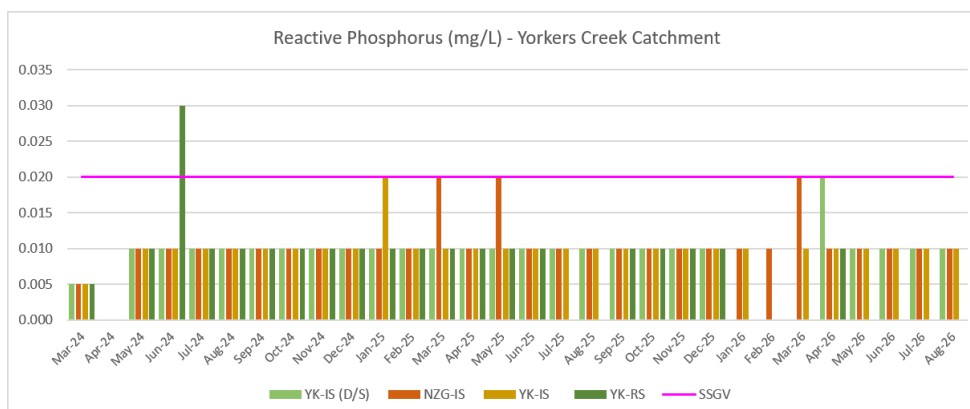


FIGURE 54: RP FOR YORKERS CREEK CATCHMENT

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	YR1-IS	0.06	0.04	The June-November SSGV for dissolved Al was exceeded at YR1-IS, YR2-IS, TR-RS and YK-IS (D/S) during August 2026.
	YR2-IS	0.05	0.04	
	TR-RS	0.02	0.015	
	YK-IS (D/S)	0.38	0.32	
Mn	WC-RS	0.003	0.002	Dissolved Mn exceeded the applicable June-November SSGV at WC-RS, YR1-IS, YR2-IS, YK-IS (D/S), NZG-IS and YK-IS during August 2026.
	YR1-IS	0.003	0.002	
	YR2-IS	0.004	0.002	
	YK-IS (D/S)	0.006	0.003	
	NZG-IS	0.005	0.003	
	YK-IS	0.007	0.003	
Hg	YR1-IS	0.001	0.00003	Dissolved Hg exceeded the applicable June-November SSGV at YR1-IS during August 2026.
Zn	WC-RS	0.008	0.002	Dissolved Zn exceeded the applicable June-November SSGV at WC-RS, WC-IS, YR1-IS, NZG-IS and YK-IS during August 2026.
	WC-IS	0.006	0.002	
	YR1-IS	0.008	0.002	
	NZG-IS	0.009	0.002	
	YK-IS	0.006	0.002	

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	0.08	0.027	Total Al exceeded the DGV at all eight sampled locations during August 2026. The highest result was recorded at YK-IS (0.44 mg/L), followed by YK-IS (D/S) (0.35 mg/L).
	WC-IS	0.05	0.027	
	YR1-IS	0.10	0.027	
	YR2-IS	0.10	0.027	
	TR-RS	0.09	0.027	
	YK-IS (D/S)	0.35	0.027	
	NZG-IS	0.23	0.027	
	YK-IS	0.44	0.027	
Zn	WC-RS	0.024	0.0024	Total Zn exceeded the DGV at WC-RS, WC-IS, YR1-IS, YR2-IS, TR-RS and NZG-IS during August 2026.
	WC-IS	0.015	0.0024	
	YR1-IS	0.045	0.0024	
	YR2-IS	0.009	0.0024	
	TR-RS	0.010	0.0024	
	NZG-IS	0.010	0.0024	
Fe	YK-IS (D/S)	24	0.3	Total Fe exceeded the DGV at YK-IS (D/S) during August 2026, with a result of 24 mg/L.

6 DISCUSSION

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

Potential influences on SWQ:

- Monitoring locations remained subject to potential influence from construction activities associated with the Project, including nearby access tracks, haul roads, laydown areas, substation works and associated infrastructure.
- Flow conditions were generally low to moderate during August. WC-RS, WC-IS and YR1-IS were clear, while YR2-IS had slow flow and a slight tinge. Lower-flow conditions may reduce dilution and increase the apparent concentration of dissolved constituents.
- Evidence of a road washout from Mine Trail Road remained present adjacent to YR2-IS, while exposed soil was observed along the upper banks at YR1-IS. These conditions may contribute localised sediment and particulate material during runoff events.
- CG-IS, LHG-IS, SSC-IS and YK-RS had no flow during the August monitoring event. The absence of flow reduced the number of locations available for comparison and limited assessment of spatial trends.
- YK-IS (D/S) was characterised by slow flow, murky water, a slight yellow tinge, submerged vegetation and eroded banks. These conditions provide a potential source of fine particulate and organic material to the water column.
- NZG-IS contained clear, slow-flowing water with a low water level, a silty and eroded bed, encroaching vegetation and evidence of nearby publicly accessible 4WD use.
- YK-IS remained a low-flow, murky location with aquatic and bank vegetation and is situated near the substation works and Elliott Way.
- TR-RS remains located within the publicly accessible O'Hares Campground and may be influenced by campground, recreational and avian activity independent of Project construction.
- Evidence of fauna activity, vegetative detritus, woody debris and aquatic or submerged vegetation was observed at several monitoring locations and may influence nutrient, dissolved oxygen, sediment and metal results.

Sampling and analysis:

- Eight of the 12 monitoring locations were sampled during the August 2026 monitoring event. CG-IS, LHG-IS, SSC-IS and YK-RS 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 sampled impact sites during August.
- August falls within the Winter/Spring monitoring period. Results were therefore assessed against the June-November SSGV in the Baseline Report and the relevant ANZG DGV.
- Electrical conductivity and redox measurements were recorded during August, enabling comparison with the applicable SSGV.
- Cyanide was below the laboratory limit of reporting at all sampled locations.
- Where a laboratory limit of reporting was equal to or greater than the applicable guideline value and the analyte was not detected, the result has not been treated as a confirmed exceedance.

- Exceedances occurred at both reference and impact locations, indicating that seasonal conditions, catchment geology, flow conditions, sediment mobilisation and non-Project influences may contribute to the observed water quality pattern.

SWQ parameters:

- Mean temperature decreased in the Yarrangobilly River catchment to approximately 5.2°C and at TR-RS to 9.0°C, while the Yorkers Creek catchment remained approximately 6.7°C.
- pH exceeded the applicable SSGV at all eight sampled monitoring locations.
- Dissolved oxygen was below the applicable SSGV at all eight sampled monitoring locations.
- Specific conductance exceeded at YR1-IS, YK-IS (D/S), NZG-IS and YK-IS.
- Electrical conductivity exceeded at YR1-IS, YK-IS (D/S) and NZG-IS.
- Turbidity exceeded the applicable SSGV at TR-RS only.
- TSS exceeded at WC-RS, WC-IS, YR1-IS, YR2-IS, TR-RS, YK-IS (D/S) and YK-IS. NZG-IS was reported at the laboratory limit of reporting and was not treated as a confirmed exceedance.
- TDS exceeded at all sampled locations except WC-RS, with the highest result recorded at YK-IS (58 mg/L).
- Redox exceeded the applicable SSGV at WC-RS, WC-IS, YR2-IS, TR-RS, YK-IS (D/S) and NZG-IS.
- Nitrogen oxides exceeded at WC-IS, TR-RS and NZG-IS.
- Ammonia exceeded the applicable SSGV at all eight sampled locations.
- Total hardness exceeded at YR1-IS, YR2-IS, YK-IS (D/S) and NZG-IS.
- TKN did not exceed the applicable SSGV at any sampled location.
- TN did not exceed the applicable SSGV at any sampled location.
- Total phosphorus exceeded at WC-RS only. Reactive phosphorus did not exceed the applicable SSGV at any sampled location.
- Dissolved aluminium exceeded at YR1-IS, YR2-IS, TR-RS and YK-IS (D/S).
- Dissolved manganese exceeded at WC-RS, YR1-IS, YR2-IS, YK-IS (D/S), NZG-IS and YK-IS.
- Dissolved mercury exceeded the applicable SSGV at YR1-IS, while dissolved zinc exceeded at WC-RS, WC-IS, YR1-IS, NZG-IS and YK-IS.
- Total aluminium exceeded the DGV at all eight sampled locations, with the highest result recorded at YK-IS (0.44 mg/L), followed by YK-IS (D/S) (0.35 mg/L).
- Total zinc exceeded the DGV at WC-RS, WC-IS, YR1-IS, YR2-IS, TR-RS and NZG-IS. Total iron exceeded the DGV at YK-IS (D/S), where a result of 24 mg/L was recorded.
- The substantial difference between total iron (24 mg/L) and dissolved iron (0.17 mg/L) at YK-IS (D/S), together with murky water and eroded banks, is consistent with a significant particulate-bound component. Widespread total aluminium and recurring total zinc exceedances also indicate that natural sediment and catchment material may be important contributors to the total metal results.
- The field observations did not record fish kills, significant algal blooms or other obvious indicators of acute water quality impact during the August monitoring event.

7 CONCLUSION

Monthly construction SWQ monitoring was undertaken on 08 August 2026 in accordance with EPL 21753 and the approved monitoring methodology. Eight of the 12 monitoring locations were sampled; CG-IS, LHG-IS, SSC-IS and YK-RS had no flow.

The August 2026 results identified exceedances of several physical, chemical and metal parameters across the three catchments. pH exceeded the applicable SSGV at all sampled locations, dissolved oxygen was below the applicable SSGV at all sampled locations, ammonia exceeded at all sampled locations, and total aluminium exceeded the DGV at all sampled locations.

Flow conditions were generally lower than during the preceding monitoring event, with clear water observed at several Yarrangobilly River locations and no flow at four monitoring sites. Turbidity was below the applicable SSGV at all sampled locations except TR-RS; however, TSS and TDS exceedances remained evident at a number of locations. The absence of flow at YK-RS continued to limit direct comparison within the Yorkers Creek catchment.

Dissolved metal exceedances were associated with aluminium, manganese, mercury and zinc. Dissolved aluminium exceeded at YR1-IS, YR2-IS, TR-RS and YK-IS (D/S), dissolved manganese exceeded at six locations, dissolved mercury exceeded at YR1-IS, and dissolved zinc exceeded at five locations.

Total aluminium exceeded the DGV at all eight sampled locations, with the highest concentration recorded at YK-IS (0.44 mg/L). Total zinc exceeded at six locations, while a notable total iron result of 24 mg/L was recorded at YK-IS (D/S). The corresponding dissolved iron concentration at YK-IS (D/S) was 0.17 mg/L, indicating that the elevated total iron result was predominantly associated with particulate material.

Overall, the August 2026 results reflect the combined influence of seasonal and low-flow conditions, catchment geology and nearby land uses. Continued monthly monitoring is recommended, with particular attention to the elevated total iron result at YK-IS (D/S), recurring dissolved and total zinc results, dissolved mercury at YR1-IS, and comparison of Yorkers Creek impact sites with YK-RS when flow returns. 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 August 2026 monitoring period.

Appendix A: Field Sheet (UGL, 2025)



WATER QUALITY MONITORING FIELD SHEET											
Date: 8/8/26		Personnel: LL + MN					Sampling Purpose: Monthly WQM August				
Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	EC (µS/cm)	Redox (mV)	Observations
DGW:	-	-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	30-350	-	Weather Pre 24 hrs: cold, frost, cloudy
Dec - May SSGV:	-	-	-	96.2	115	7.85	0.37	0.2	93.2	79.1	Weather Forecast: 60% < 1mm
Jun - Nov SSGV:	-	-	-	89.7	88	7.62	5.12	1	60.85	98.4	Weather Time of Sampling: fine, morning frost
WC-RS Wallace Creek	9:54	4.7	716	83.1	65.5	8.06	3.23	—	40.1	116.9	slow flow clear bed, clear water, rocky rocky, grassy bank blackberries overhanging + submerged veg.
WC-IS Wallace Creek	9:34	4.7	716.5	84.7	69.7	8.09	4.95	—	42.7	109.9	steady, flow vegetation, rocks, branches in stream. rocky bank. under haul clear water bridge
CG-IS Cave Gully											DRY.

WATER QUALITY MONITORING FIELD SHEET											
Date: 8/8/26		Personnel: LL + MN						Sampling Purpose: Monthly Wam August			
Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	EC (µS/cm)	Redox (mV)	Observations
DGV:	-	-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	30-350	-	Weather Pre 24 hrs: cold, frost, cloudy
Dec - May SSGV:	-	-	-	96.2	115	7.85	0.37	0.2	93.2	79.1	Weather Forecast: 60% 51mm
Jun - Nov SSGV:	-	-	-	89.7	88	7.62	5.12	1	60.85	98.4	Weather Time of Sampling: fine, morning frost
YR1-IS Yarrangobilly River	9.12	5.2	717	84.7	112.1	8.28	482	/	69.7	87.7	moderate flow evidence of fauna clear bed blackberries on bank, grasses overhanging branches + veg clear water
LHG-IS Lick-Hole Gully											DRY
YR2-IS Yarrangobilly River	10.20	6.1	718.4	86.4	86.7	7.9	397	/	55.5	129.4	slow flow under hawl bridge rocky bed, dry grassy vegetation evidence of fauna slight tinge to water

WATER QUALITY MONITORING FIELD SHEET											
Date: 8/8/26		Personnel: LL + MN					Sampling Purpose: monthly WQM August				
Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	EC (µS/cm)	Redox (mV)	Observations
SGV:	-	-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	30-350	-	Weather Pre 24 hrs: cold, frost, cloudy
Dec - May SSGV:	-	-	-	96.2	115	7.85	0.37	0.2	93.2	79.1	Weather Forecast: 60% <1mm
Jun - Nov SSGV:	-	-	-	89.7	88	7.62	5.12	1	60.85	98.4	Weather Time of Sampling: fine, morning frost
SSC-IS Sheep Station Creek											DRY.
TR-RS Talbingo Reservoir	11:54	9	117.6	12.1	28	7.76	2.41	—	19.4	137.6	calm, low level exposed rocky bank debris slight tinge to water fauna on water cambers in dred
YK-RS Yotkers Creek											DRY.

WATER QUALITY MONITORING FIELD SHEET											
Date: 8/8/26		Personnel: LL + MN					Sampling Purpose: monthly WQm August				
Site	Time	Temp (°C)	Water Pressure (mmHg)	DO (%)	SPC (µS/cm)	pH	Turbidity (NTU)	TSS (mg/L)	EC (µS/cm)	Redox (mV)	Observations
DGV:	-	-	-	90 - 110	30 - 350	6.5 - 8	2 - 25	0.2	30-350	-	Weather Pre 24 hrs: cold, frost, cloudy
Dec - May SSGV:	-	-	-	96.2	115	7.85	0.37	0.2	93.2	79.1	Weather Forecast: 60% <1mm
Jun - Nov SSGV:	-	-	-	89.7	88	7.62	5.12	1	60.85	98.4	Weather Time of Sampling: fine morning frost
YK-IS (D/S) Yorkers Creek	13:29	6.3	669.8	78.6	35.6	7.45	6.41	/	22.8	140.2	adjacent to Elliott Way + HLTV site slow flow overhanging veg, grasses + branches evidence of fauna eroding bank, grassy + sticks rocky bed
NZG-IS New Zealand Gully	12:56	6.9	671.6	78.6	51.1	7.7	3.88	/	33.4	153.1	slow, low flow evidence of fauna on bank eroded bank overhanging + submerged veg. grassy banks slight tinge
YK-IS Yorkers Creek	1:11	7	668	78.1	30.9	7.54	5.78	/	20.3	102.8	adjacent to Elliott Way + HLTV site mossy, murky bed evidence of fauna on bank rubbish in area slow flow grassy vegetation eroded bank tinge to water colour

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



CERTIFICATE OF ANALYSIS

Work Order	: ES2625539	Page	: 1 of 6
Client	: UGL LIMITED	Laboratory	: Environmental Division Sydney
Contact	: LAUREN LOGUE	Contact	: Customer Services ES
Address	: Cnr Hill Rd & Pondage Link Rd HOMEBUSH BAY 2127	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: UGL Maragle	Date Samples Received	: 11-Aug-2026 11:50
Order number	: 4501837828	Date Analysis Commenced	: 12-Aug-2026
C-O-C number	: 99909	Issue Date	: 17-Aug-2026 20:05
Sampler	: LAUREN LOGUE		
Site	: UGL MARAGLE		
Quote number	: ES24UGLLIM0001_V5		
No. of samples received	: 9		
No. of samples analysed	: 9		



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

Page	: 2 of 6
Work Order	: ES2625539
Client	: UGL LIMITED
Project	: UGL Maragle



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

o = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- EG020: It is recognised that total concentration is less than dissolved for some metal analytes. However, the difference is within experimental variation of the methods.
- EK055G/EK061G: It has been noted that ammonia is greater than TKN, however this difference is within the limits of experimental variation.
- 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: SURFACE WATER
 (Matrix: WATER)

Sample ID				TR-RS	TR-RS (dup)	YR1-IS	YR2-IS	WC-RS
Sampling date / time				08-Aug-2026 13:49	08-Aug-2026 13:51	08-Aug-2026 13:52	08-Aug-2026 13:54	08-Aug-2026 13:55
Compound	CAS Number	LOR	Unit	ES2625539-001	ES2625539-002	ES2625539-003	ES2625539-004	ES2625539-005
Result				Result	Result	Result	Result	Result
EA015: Total Dissolved Solids dried at 180 ± 5 °C								
Total Dissolved Solids @180°C	----	10	mg/L	22	21	51	53	28
EA025: Total Suspended Solids dried at 104 ± 2°C								
Suspended Solids (SS)	----	1	mg/L	2	<1	3	2	2
ED093F: SAR and Hardness Calculations								
Total Hardness as CaCO3	----	1	mg/L	5	5	36	38	28
EG020F: Dissolved Metals by ICP-MS								
Aluminium	7429-90-5	0.01	mg/L	0.02	0.02	0.06	0.05	0.03
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	0.008	<0.005	0.008
Manganese	7439-96-5	0.001	mg/L	0.002	0.002	0.003	0.004	0.003
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	0.09	0.05	0.10	0.10	0.08
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	0.010	<0.005	0.045	0.009	0.024
Manganese	7439-96-5	0.001	mg/L	0.007	0.005	0.005	0.004	0.005

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	TR-RS	TR-RS (dup)	YR1-IS	YR2-IS	WC-RS
Sampling date / time					08-Aug-2026 13:49	08-Aug-2026 13:51	08-Aug-2026 13:52	08-Aug-2026 13:54	08-Aug-2026 13:55
Compound	CAS Number	LOR	Unit		ES2625539-001	ES2625539-002	ES2625539-003	ES2625539-004	ES2625539-005
					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		0.09	0.06	0.09	0.08	0.08
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		0.02	0.03	0.03	0.11	0.05
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		0.04	0.04	<0.01	<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	<0.01	<0.01	<0.01
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	<0.1	<0.1	0.2	0.1
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
Total Nitrogen as N	----	0.1	mg/L		0.1	<0.1	<0.1	0.2	0.1
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L		0.02	0.09	<0.01	<0.01	0.03
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: SURFACE WATER
 (Matrix: WATER)

Sub-Matrix: SURFACE WATER (Matrix: WATER)			Sample ID	WC-IS	YK-IS	YK-IS (d/s)	NZG-IS	----
Sampling date / time			08-Aug-2026 13:57	08-Aug-2026 14:00	08-Aug-2026 14:02	08-Aug-2026 14:03	----	
Compound	CAS Number	LOR	Unit	ES2625539-006	ES2625539-007	ES2625539-008	ES2625539-009	-----
				Result	Result	Result	Result	----
EA015: Total Dissolved Solids dried at 180 ± 5 °C								
Total Dissolved Solids @180°C	----	10	mg/L	46	58	45	46	----
EA025: Total Suspended Solids dried at 104 ± 2°C								
Suspended Solids (SS)	----	1	mg/L	2	3	2	1	----
ED093F: SAR and Hardness Calculations								
Total Hardness as CaCO3	----	1	mg/L	28	5	12	18	----
EG020F: Dissolved Metals by ICP-MS								
Aluminium	7429-90-5	0.01	mg/L	0.03	0.12	0.38	0.08	----
Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	----
Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Zinc	7440-66-6	0.005	mg/L	0.006	0.006	<0.005	0.009	----
Manganese	7439-96-5	0.001	mg/L	0.002	0.007	0.006	0.005	----
Silver	7440-22-4	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Iron	7439-89-6	0.05	mg/L	<0.05	0.11	0.17	0.08	----
EG020T: Total Metals by ICP-MS								
Aluminium	7429-90-5	0.01	mg/L	0.05	0.44	0.35	0.23	----
Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	----
Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	<0.001	<0.001	----
Zinc	7440-66-6	0.005	mg/L	0.015	<0.005	<0.005	0.010	----
Manganese	7439-96-5	0.001	mg/L	0.004	0.008	0.007	0.007	----



Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	WC-IS	YK-IS	YK-IS (d/s)	NZG-IS	----
Sampling date / time					08-Aug-2026 13:57	08-Aug-2026 14:00	08-Aug-2026 14:02	08-Aug-2026 14:03	----
Compound	CAS Number	LOR	Unit		ES2625539-006	ES2625539-007	ES2625539-008	ES2625539-009	-----
					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	----
Iron	7439-89-6	0.05	mg/L		0.05	0.28	0.24	0.21	----
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L		<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	----
EK026SF: Total CN by Segmented Flow Analyser									
Total Cyanide	57-12-5	0.002	mg/L		<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	0.06	0.06	0.03	----
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	----
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		<0.01	<0.01	<0.01	<0.01	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.2	0.1	----
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^A Total Nitrogen as N	----	0.1	mg/L		0.1	0.1	0.2	0.1	----
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L		0.02	0.02	<0.01	0.02	----
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	----



Appendix C: August 2026 WQ Monitoring Results

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
WC-RS	Mar-24	No	10.7	87.5	9.72	143.6	104.3	7.80	25.9	0.1	0.02	0.00015	0.00001	0.00001	0.0002	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
*sample not ana	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	0.001	-	0.05	0.001	0.001	0.0001
	Sep-25	No	5.3	93.3	-	101.1	63.1	8.20	177.5	0.8	0.03	0.001	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	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
*sample not ana	Nov-25	No	16.3	76.4	-	99.2	4	7.88	161.3	0.73	0.01	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	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	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Jul-26	No	10.2	85.6	-	105.9	76	8.05	111.8	18.05	0.08	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	Aug-26	No	4.7	83.1	-	65.5	40.1	8.06	116.9	3.23	0.03	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 Phosphorous (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)
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
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
0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.020	47	0.2	52	0.2												
0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	30	0.2	39	1.0												
0.001	0.1	0.03	0.00001	0.001	0.050	0.05	0.005	42	0.1	70	0.1	-	-	-	-	-	-	-	-	-	-	-	-
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
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
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
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
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
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
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
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
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.008	0.15	0.0001
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.001	0.3	0.06	0.001	0.005	0.090	0.01	0.01	18	0.3	44	18	0.8	0.001	0.0001	0.001	0.001	0.001	0.022	0.001	0.001	0.005	0.4	0.0001
0.001	0.1	0.03	0.001	0.008	0.050	0.01	0.01	28	0.1	28	2	0.08	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.024	0.08	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 EC (uS/cm) 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																				
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	0.002	0.001	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	0.002	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	0.004	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	0.002	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	0.002	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	0.002	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	0.002	0.05	0.001	0.005	0.0001
	Oct-24	No	9.5	93.3	-	52.1	-	7.66	-	1.4	0.02	0.001	0.0001	0.0001	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	0.002	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	0.002	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	0.002	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	0.002	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	0.002	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	0.002	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	0.002	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	0.002	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	0.002	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	0.002	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	0.003	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	0.002	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	0.005	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	0.002	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	0.002	0.05	0.001	0.008	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	0.002	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	0.002	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	0.002	0.05	0.001	0.003	0.0001	
May-26	No	9.0	81.3	-	81.4	56.6	7.86	124.3	2.1	0.01	0.001	0.0001	0.0001	0.001	0.002	0.05	0.001	0.003	0.0001	
Jun-26	No	6.7	85.3	-	56	-	8.17	-	11.22	0.05	0.001	0.0001	0.0001	0.001	0.002	0.05	0.001	0.002	0.0001	
Jul-26	No	9.5	84.8	-	52.6	37	7.78	122.2	17.55	0.09	0.001	0.0001	0.0001	0.001	0.002	0.08	0.001	0.002	0.0001	
Aug-26	No	4.7	84.7	-	69.7	42.7	8.09	109.9	4.95	0.03	0.001	0.0001	0.0001	0.001	0.002	0.005	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

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 Phosphorou s (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjedaht 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)
0.0005	0.1	0.005	0.00001	0.001	0.050	0.05	0.005	42	0.1	88	0.1	-	-	-	-	-	-	-	-	-	-	-	-
0.001	2.7	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
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
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
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
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
0.001	7.6	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
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
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
0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	33	0.1	51	2	0.06	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.09	0.0001
0.001	0.2	0.01	0.001	0.005	0.010	0.01	0.01	51	0.2	82	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.015	0.001	0.001	0.005	0.07	0.0001
0.001	0.2	0.02	0.001	0.005	0.040	0.01	0.01	57	0.2	68	1	0.14	0.001	0.0001	0.001	0.001	0.001	0.010	0.001	0.001	0.005	0.14	0.0001
0.001	0.1	0.03	0.001	0.005	0.020	0.01	0.01	70	0.1	85	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.05	0.0001
0.001	0.1	0.03	0.001	0.005	0.030	0.01	0.01	75	0.1	87	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.06	0.0001
0.001	0.1	0.02	0.001	0.005	0.010	0.1	0.01	77	0.1	88	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
0.001	0.3	0.02	0.001	0.005	0.020	0.03	0.01	51	0.3	89	1	0.12	0.001	0.0001	0.001	0.001	0.001	0.016	0.001	0.001	0.005	0.19	0.0001
0.001	0.3	0.04	0.001	0.005	0.300	0.3	0.01	19	0.3	35	7	0.14	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.13	0.0001
0.001	0.2	0.01	0.001	0.01	0.020	0.2	0.01	26	0.2	28	1	0.06	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.012	0.05	0.0001
0.001	0.1	0.04	0.001	0.006	0.030	0.01	0.01	23	0.1	44	1	0.06	0.001	0.0001	0.001	0.004	0.001	0.005	0.001	0.001	0.006	0.07	0.0001
0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	31	0.1	46	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
0.001	0.1	0.01	0.001	0.009	0.070	0.01	0.01	41	0.1	54	1	0.03	0.001	0.0001	0.001	0.015	0.001	0.005	0.001	0.001	0.01	0.05	0.0001
0.001	0.2	0.01	0.001	0.005	0.030	0.01	0.01	41	0.2	94	2	0.1	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.13	0.0001
0.001	0.1	0.03	0.001	0.056	0.010	0.02	0.01	75	0.1	110	1	0.05	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.041	0.1	0.0001
0.001	0.1	0.01	0.001	0.006	0.030	0.01	0.01	101	0.1	124	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.009	0.06	0.0001
0.001	0.2	0.01	0.001	0.005	0.050	0.02	0.01	65	0.2	95	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.010	0.001	0.001	0.005	0.05	0.0001
0.001	0.5	0.02	0.001	0.005	0.030	0.02	0.01	36	0.5	59	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
0.001	0.1	0.02	0.001	0.005	0.070	0.02	0.01	28	0.1	63	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
0.001	0.2	0.01	0.001	0.005	0.020	0.02	0.01	18	0.2	51	2	0.22	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.006	0.22	0.0001
0.005	0.2	0.02	0.001	0.005	0.020	0.01	0.01	18	0.2	38	18	0.43	0.001	0.0001	0.001	0.001	0.001	0.002	0.001	0.001	0.005	0.39	0.0001
0.001	0.1	0.02	0.001	0.006	0.110	0.1	0.01	28	0.1	46	2	0.05	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.015	0.05	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																				
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	80.9	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-26	No	10.3	85.6	-	477.9	344.2	8.34	121.2	12.02	0.05	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.001	0.0001
	Aug-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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 Phosphorous (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)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.001	0.1	0.02	0.001	0.005	0.040	0.07	0.01	290	0.1	347	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
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
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	0.002	0.001	0.001	0.005	0.05	0.0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.001	0.1	0.03	0.001	0.005	0.030	0.01	0.02	225	0.4	316	8	0.14	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.09	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																				
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	0.96	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	76.6	-	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	-	124.6	113.2	8.26	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	0.001	0.0001
	Mar-26	No	20.0	90.3	-	141.5	126.2	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	7.96	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	135.7	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
	Jul-26	No	9.9	84.8	-	65.2	46.4	8.07	120.3	17.68	0.14	0.001	0.0001	0.001	0.001	0.002	0.09	0.001	0.002	0.0001
	Aug-26	No	5.2	84.7	-	112.1	69.7	8.28	87.7	4.82	0.06	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.001

	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 Phosphorous (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)
0.001	0.1	0.005	0.00001	0.001	0.050	0.05	0.005	34	0.1	66	0.1												
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	0.002	0.001	0.001	0.005	0.05	0.0001
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.001	0.2	0.04	0.001	0.005	0.010	0.01	0.01	29	0.1	58	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
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	0.001	0.004	0.001	0.001	0.005	0.09	0.0001
0.001	0.2	0.01	0.001	0.012	0.010	0.2	0.01	51	0.2	67	2	0.05	0.001	0.0001	0.001	0.014	0.001	0.01	0.001	0.001	0.013	0.14	0.0001
0.001	0.2	0.01	0.001	0.005	0.060	0.01	0.01	48	0.2	110	1	0.03	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.05	0.0001
0.001	0.1	0.02	0.001	0.018	0.020	0.02	0.01	75	0.1	125	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.015	0.06	0.0001
0.001	0.3	0.02	0.001	0.01	0.070	0.01	0.01	99	0.3	116	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
0.001	0.2	0.03	0.001	0.005	0.010	0.01	0.01	66	0.2	81	1	0.05	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.012	0.06	0.0001
0.001	0.5	0.03	0.001	0.005	0.020	0.01	0.01	43	0.5	72	3	0.33	0.001	0.0001	0.001	0.001	0.001	0.017	0.001	0.001	0.005	0.34	0.0001
0.001	0.2	0.01	0.001	0.016	0.090	0.01	0.01	48	0.2	86	3	0.04	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
0.001	0.4	0.01	0.001	0.005	0.110	0.23	0.01	26	0.2	52	2	0.33	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.27	0.0001
0.001	0.2	0.04	0.001	0.005	0.020	0.01	0.01	21	0.2	42	16	0.65	0.001	0.0001	0.002	0.001	0.001	0.023	0.001	0.001	0.005	0.55	0.0001
0.001	0.01	0.01	0.001	0.008	0.030	0.01	0.01	36	0.01	51	3	0.1	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.048	0.09	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																				
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	0.003	0.001	0.18	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	0.34	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	0.001	0.184	0.0001
	Jun-24	No	8.5	70.4	-	616	-	7.85	-	10.05	0.01	0.001	0.0001	0.001	0.001	0.002	0.48	0.001	0.158	0.0001
	Jul-24	No	8.0	87.5	-	503	-	7.30	-	5.44	0.01	0.001	0.0001	0.001	0.001	0.002	0.07	0.001	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	0.001	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	0.001	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	0.001	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	0.002	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	0.005	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	0.001	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	0.001	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	0.001	0.597	0.0001
	Apr-25	Yes	17.9	54.1	8.9	131	645	7.52	207	50.12	0.01	0.003	0.0001	0.001	0.001	0.002	1.36	0.001	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	0.001	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	0.001	0.261	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	0.001	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	0.009	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	0.006	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	0.011	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	0.113	0.0001	
Jan-26	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb-26	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar-26	No flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr-26	No	13.4	67.1	-	636	495.7	7.82	108	2.23	0.001	0.001	0.0001	0.001	0.001	0.002	0.13	0.001	0.102	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	0.041	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	0.014	0.0001	
Jul-26	No	10.8	83.3	-	468.6	341.3	8.15	130.9	8.52	0.05	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001	
Aug-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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 Phosphorou s (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)
0.003	0.1	0.01	0.00001	0.006	0.050	0.05	0.005	297	1	330	20												
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
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
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
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
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
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
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
0.001	0.1	0.01	0.001	0.005	0.100	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
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
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
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
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	4.16	0.0001
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
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
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
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
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
0.001	0.1	0.04	0.001	0.005	0.030	0.01	0.01	269	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
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	0.008	0.1	0.0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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
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
0.001	0.01	0.01	0.001	0.005	0.030	0.01	0.01	245	0.2	320	2	0.13	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.14	0.0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Site exceeds SSGV
Impact Site Result exceeds SSGV or DGV
italics Result exceeds the Limit of Reporting

		Sheen/ oil/ grease	Temp. (°C)	Dissolved Oxygen (DO %)	DO (ppm)	Specific EC (SPC EC (uS/cm) 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																			
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	0.02	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	0.02	0.001	0.003	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	0.18	0.001	0.0001
	Jul-25	No	8.1	86.0	-	11.2	7.6	9.10	191.5	11.35	0.07	0.001	0.0001	0.001	0.001	0.02	0.05	0.001	0.0001
	Aug-25	No	12.1	97.7	-	15.4	11.6	7.60	294	6.18	0.6	0.001	0.0001	0.001	0.001	0.02	0.05	0.001	0.0001
	Sep-25	No	5.6	94.6	-	64.7	40.8	8.10	177.7	2	0.03	0.001	0.0001	0.001	0.001	0.02	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	0.02	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	0.02	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	0.02	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	0.02	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	0.02	0.05	0.001	0.0001
	Mar-26	No	23.0	90.6	-	152.4	146.5	8.18	90.7	3.39	0.02	0.001	0.0001	0.001	0.001	0.02	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	0.02	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	0.02	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	0.02	0.05	0.001	0.0001
	Jul-26	No	9.7	84.8	-	66	46.8	7.73	139.7	22.94	0.18	0.001	0.0001	0.001	0.001	0.02	0.12	0.001	0.0001
	Aug-26	No	6.1	86.4	-	86.7	55.5	7.90	129.4	3.97	0.05	0.001	0.0001	0.001	0.001	0.02	0.005	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 Phosphorous (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)
0.001	0.1	0.005	0.00001	0.001	0.050	0.05	0.005	27	1	58	0.1												
0.001	0.1	0.01	0.0001	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
0.001	0.8	0.03	0.001	0.007	0.020	0.34	0.01	68	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
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
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
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
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
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
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
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
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
0.001	0.4	0.02	0.001	0.005	0.020	0.05	0.01	48	0.3	72	5	0.2	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.005	0.21	0.0001
0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	90	0.1	104	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
0.001	0.1	0.04	0.001	0.005	0.020	0.02	0.01	87	0.1	100	1	0.01	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.005	0.05	0.0001
0.001	0.1	0.01	0.001	0.005	0.010	0.03	0.01	82	0.1	94	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
0.001	9.3	0.01	0.001	0.005	0.010	8.13	0.01	36	1.2	62	6	0.67	0.001	0.0001	0.002	0.001	0.001	0.011	0.002	0.001	0.005	0.48	0.0001
0.001	0.1	0.05	0.001	0.005	0.600	0.1	<0.01	17	0.1	37	9	0.29	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.005	0.28	0.0001
0.001	0.1	0.01	0.001	0.005	0.010	0.1	0.01	31	0.1	37	9	0.07	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.06	0.0001
0.001	0.3	0.07	0.001	0.007	0.010	0.02	0.01	23	0.3	38	1	0.1	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.006	0.09	0.0001
0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	33	0.1	56	1	0.08	0.001	0.0001	0.001	0.001	0.001	0.003	0.001	0.001	0.005	0.06	0.0001
0.001	0.2	0.01	0.001	0.019	0.010	0.01	0.01	51	0.2	70	2	0.04	0.001	0.0001	0.001	0.011	0.001	0.004	0.001	0.001	0.017	0.05	0.0001
0.001	0.2	0.01	0.001	0.005	0.030	0.01	0.01	41	0.2	96	1	0.09	0.001	0.0001	0.001	0.001	0.001	0.005	0.001	0.001	0.005	0.09	0.0001
0.001	0.2	0.02	0.001	0.126	0.010	0.02	0.01	76	0.2	122	1	0.02	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.083	0.05	0.0001
0.001	0.2	0.01	0.001	0.005	0.080	0.01	0.01	97	0.2	96	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
0.001	0.5	0.04	0.001	0.012	0.020	0.02	0.01	75	0.5	88	1	0.06	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.019	0.07	0.0001
0.001	0.5	0.03	0.001	0.005	0.010	0.06	0.01	46	0.4	75	1	0.15	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.13	0.0001
0.001	0.1	0.01	0.001	0.005	0.080	0.01	0.01	51	0.1	96	1	0.04	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.05	0.0001
0.001	0.1	0.01	0.001	0.005	0.020	0.02	0.01	28	0.1	54	1	0.29	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.24	0.0001
0.001	0.3	0.04	0.001	0.005	0.030	0.03	0.01	23	0.3	62	15	0.6	0.001	0.0001	0.001	0.001	0.001	0.016	0.002	0.001	0.005	0.51	0.0001
0.001	0.2	0.01	0.001	0.005	0.110	0.01	0.01	38	0.2	53	2	0.1	0.001	0.0001	0.001	0.001	0.001	0.004	0.001	0.001	0.009	0.08	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																				
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	-	152.8	-	6.29	-	17.88	0.1	0.001	0.0001	0.001	0.001	0.002	0.07	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	-	121.8	-	7.64	-	24.36	0.04	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.002	0.0001
	Jul-26	No	11.2	83.8	-	90.9	67	7.52	146.6	52.63	0.1	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.004	0.0001
	Aug-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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 Phosphorous (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)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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
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	0.026	0.08	0.0001
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
0.001	0.3	0.03	0.001	0.005	0.03	0.01	0.01	41	0.3	82	17	0.58	0.001	0.0001	0.001	0.002	0.001	0.021	0.001	0.001	0.009	0.34	0.0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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)
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	0.0001
	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
	Jul-26	No	10.2	88.5	-	34.1	24.4	7.41	131.9	3.02	0.03	0.001	0.0001	0.001	0.001	0.002	0.05	0.001	0.003	0.0001
	Aug-26	No	9.0	92.1	-	28	19.4	7.76	137.6	2.41	0.02	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

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 Phosphorous (mg/L)	Total Hardness (mg/L) (CaCO3)	Total Kjedaht 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)
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
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
0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	7.5	0.1	12.5	0.2												
0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.015	8	0.2	15	0.2												
0.0005	0.1	0.01	0.00001	0.001	0.050	0.05	0.005	8	0.1	44	0.1												
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.001	0.2	0.01	0.001	0.005	0.060	0.2	0.01	5	0.2	30	1	0.09	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.09	0.0001
0.001	0.1	0.02	0.001	0.005	0.020	0.04	0.01	5	0.1	22	2	0.09	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.01	0.09	0.0001

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

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
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	0.0001	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Jul-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Aug-26	No Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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 Phosphorous (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)
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	0.0006
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
0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	1	0.1	30	3												
0.001	0.2	0.02	0.00002	0.002	0.013	0.015	0.02	7	0.2	10	0.2												
0.0005	0.1	0.03	0.00001	0.003	0.050	0.05	0.005	1	0.1	30	3												
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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
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
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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Reference Site exceeds SSGV
Impact Site Result exceeds SSGV or DGV
italics 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																				
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	-	7.38	-	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	23.5	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	0.037	0.002	0.15	0.001	0.011	0.0001
	Dec-25	No	11.8	71.6	-	55.2	40.5	6.64	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
	Jul-26	No	7.3	79.8	-	31	20.5	7.66	146.3	8.35	0.23	0.001	0.0001	0.001	0.001	0.002	0.15	0.001	0.006	0.0001
	Aug-26	No	6.3	78.6	-	35.6	22.8	7.45	140.2	6.41	0.38	0.001	0.0001	0.001	0.001	0.002	0.17	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 Phosphorou s (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)
0.0005	0.1	0.02	0.00001	0.002	0.050	0.05	0.005	1	0.1	15	0.1												
0.001	0.1	0.02	0.001	0.005	0.010	0.03	-	16	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
0.001	0.8	0.04	0.001	0.005	0.010	0.53	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
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	0.66	0.0001
0.001	0.6	0.04	0.001	0.007	0.010	0.26	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
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
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
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
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
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
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
0.001	0.3	0.04	0.001	0.005	0.020	0.01	0.01	18	0.3	51	1	0.25	0.001	0.0001	0.001	0.001	0.001	0.021	0.001	0.001	0.005	0.45	0.0001
0.001	0.3	0.02	0.001	0.005	0.050	0.09	0.01	18	0.2	43	2	0.06	0.001	0.0001	0.001	0.001	0.001	0.019	0.001	0.001	0.005	0.33	0.0001
0.001	0.2	0.02	0.001	0.005	0.030	0.01	0.01	18	0.2	39	1	0.08	0.001	0.0001	0.001	0.001	0.001	0.02	0.001	0.001	0.005	0.26	0.0001
0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	18	0.1	36	1	0.17	0.001	0.0001	0.001	0.001	0.001	0.033	0.001	0.001	0.005	0.44	0.0001
0.001	0.4	0.04	0.001	0.005	0.010	0.01	0.01	12	0.4	89	5	0.24	0.001	0.0001	0.001	0.001	0.001	0.015	0.001	0.001	0.005	0.46	0.0001
0.001	0.2	0.04	0.001	0.005	0.010	0.03	0.01	5	0.2	55	6	0.67	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.48	0.0001
0.001	0.2	0.06	0.001	0.005	0.080	0.14	0.01	16	0.14	27	2	0.61	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.18	0.0001
0.001	0.2	0.04	0.001	0.014	0.010	0.02	0.01	12	0.2	48	2	0.12	0.001	0.0001	0.001	0.001	0.001	0.01	0.001	0.001	0.007	0.19	0.0001
0.001	0.1	0.02	0.001	0.005	0.020	0.01	0.01	12	0.1	22	2	0.27	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.27	0.0001
0.001	0.4	0.01	0.001	0.023	0.010	0.09	0.01	12	0.3	40	2	0.27	0.001	0.0001	0.001	0.061	0.003	0.013	0.001	0.001	0.033	0.33	0.0001
0.001	0.3	0.076	0.001	0.007	0.060	0.01	0.01	12	0.3	76	8	0.37	0.001	0.0001	0.001	0.001	0.001	0.015	0.001	0.001	0.006	0.43	0.0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.001	0.7	0.11	0.001	0.005	0.030	0.01	0.02	18	0.7	61	4	1.27	0.001	0.0001	0.002	0.001	0.001	0.016	0.001	0.001	0.005	0.87	0.0001
0.001	0.1	0.01	0.001	0.005	0.010	0.01	0.01	16	0.1	64	2	0.1	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.21	0.0001
0.001	0.3	0.01	0.001	0.005	0.020	0.01	0.01	9	0.3	50	1	1	0.001	0.0001	0.002	0.001	0.001	0.01	0.001	0.001	0.005	0.6	0.0001
0.001	0.4	0.01	0.001	0.005	0.010	0.4	0.01	5	0.4	47	2	0.85	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.46	0.0001
0.001	0.02	0.01	0.001	0.005	0.060	0.01	0.01	12	0.2	45	2	0.35	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	24	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 EC (uS/cm) 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																				
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	0.0001	0.001	0.002	0.08	0.001	0.006	0.0001
	May-24	No	3.9	85.8	-	66.6	-	6.68	-	0.2	0.04	0.001	0.0001	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	0.001	0.002	0.1	0.001	0.007	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	0.001	0.002	0.07	0.001	0.004	0.0001
	Nov-25	No	17.5	67.8	-	31.1	26.7	6.71	133.7	1.81	0.08	0.001	0.0002	0.0001	0.509	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	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	0.0001	0.001	0.002	0.13	0.001	0.005	0.0001
	Jul-26	No	6.5	78.1	-	38.5	24.9	7.38	154.3	7.54	0.17	0.001	0.0001	0.0001	0.001	0.002	0.13	0.001	0.003	0.0001
	Aug-26	No	6.9	78.6	-	61.1	33.4	7.70	153.1	3.88	0.08	0.001	0.0001	0.0001	0.001	0.002	0.08	0.001	0.005	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 Phosphorous (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)
0.0005	0.1	0.01	0.00001	0.002	0.050	0.05	0.005	10	0.1	22	0.1												
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
0.001	0.2	0.06	0.001	0.007	0.010	0.03	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
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
0.001	0.2	0.04	0.001	0.005	0.010	0.04	0.01	12	0.2	52	8	0.22	0.001	0.0001	0.001	0.001	0.001	0.009	0.001	0.001	0.005	0.26	0.0001
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
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
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
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
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
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
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
0.001	0.2	0.02	0.001	0.005	0.010	0.17	0.02	32	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
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
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	0.005	0.001	0.008	0.001	0.001	0.011	0.16	0.0001
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
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
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
0.001	0.2	0.03	0.001	0.005	0.010	0.01	0.01	18	0.2	57	1	0.16	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.18	0.0001
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
0.001	0.2	0.02	0.001	0.235	0.010	0.01	0.01	23	0.2	57	1	0.13	0.001	0.0001	0.001	0.001	0.0001	0.008	0.001	0.0001	0.005	0.18	0.0001
0.001	0.3	0.07	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	0.68	0.0001
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
0.001	0.4	0.02	0.001	0.031	0.260	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
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
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
0.001	0.1	0.01	0.001	0.005	0.040	0.01	0.01	30	0.1	84	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
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
0.001	0.2	0.01	0.001	0.005	0.020	0.01	0.01	12	0.2	50	1	0.38	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.005	0.28	0.0001
0.001	0.1	0.02	0.001	0.009	0.030	0.1	0.01	18	0.1	46	1	0.23	0.001	0.0001	0.001	0.001	0.001	0.007	0.001	0.001	0.01	0.21	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																				
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	-	7.04	-	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	7.00	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	0.087	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	0.54	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	-	30.7	-	7.60	-	12.02	0.16	0.001	0.0001	0.001	0.001	0.002	0.18	0.001	0.006	0.0001
	Jul-26	No	6.4	77.1	-	27.4	27.4	7.47	149.7	9.89	0.19	0.001	0.0001	0.001	0.001	0.002	0.14	0.001	0.003	0.0001
	Aug-26	No	7.0	78.1	-	30.9	20.3	7.54	102.8	5.78	0.12	0.001	0.0001	0.001	0.001	0.002	0.11	0.001	0.007	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 Phosphorous (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)
0.0005	0.1	0.01	0.00001	0.004	0.050	0.05	0.005	1	0.1	21	1												
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
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
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
0.001	0.3	0.07	0.001	0.009	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
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	0.003	0.001	0.001	0.026	0.001	0.001	0.005	0.99	0.0001
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
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
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
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
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
0.001	0.4	0.07	0.001	0.005	0.020	0.02	0.01	12	0.4	42	5	1.44	0.001	0.0001	0.002	0.001	0.001	0.048	0.001	0.001	0.005	1.31	0.0001
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
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	0.88	0.0001
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
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
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
0.001	0.2	0.03	0.0001	0.005	0.070	0.01	0.01	9	0.2	28	5	0.3	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.26	0.0001
0.001	0.2	0.04	0.001	0.012	0.030	0.01	0.01	5	0.2	46	1	0.44	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.33	0.0001
0.001	0.1	0.02	0.001	0.005	0.010	0.01	0.01	9	0.1	19	2	0.38	0.001	0.0001	0.001	0.001	0.001	0.013	0.001	0.001	0.005	0.33	0.0001
0.001	0.2	0.01	0.001	0.085	0.010	0.01	0.01	12	0.2	34	3	0.54	0.001	0.0001	0.001	0.002	0.001	0.019	0.001	0.001	0.006	0.54	0.0001
0.001	0.3	0.03	0.001	0.013	0.010	0.01	0.01	12	0.3	66	7	0.42	0.001	0.0001	0.001	0.001	0.001	0.031	0.001	0.001	0.005	0.64	0.0001
0.001	0.9	0.09	0.001	0.005	0.010	0.26	0.01	14	0.6	29	89	1.19	0.001	0.0001	0.002	0.001	0.001	0.62	0.002	0.001	0.018	2.06	0.0001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.001	0.5	0.1	0.001	0.005	0.020	0.01	0.01	5	0.5	63	5	1.47	0.001	0.0001	0.002	0.001	0.001	0.087	0.001	0.001	0.213	1.71	0.0001
0.001	0.8	0.06	0.001	0.005	0.070	0.01	0.01	12	0.8	57	3	1.29	0.001	0.0001	0.002	0.001	0.001	0.019	0.001	0.001	0.005	0.88	0.0001
0.001	0.1	0.01	0.001	0.005	0.050	0.01	0.01	12	0.1	68	3	1.05	0.001	0.0001	0.001	0.001	0.001	0.011	0.001	0.001	0.005	0.32	0.0001
0.001	0.2	0.01	0.001	0.005	0.020	0.01	0.01	5	0.2	52	1	0.21	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.25	0.0001
0.001	0.4	0.01	0.001	0.005	0.060	0.02	0.01	9	0.4	53	1	0.36	0.001	0.0001	0.001	0.001	0.001	0.006	0.001	0.001	0.005	0.24	0.0001
0.001	0.1	0.02	0.001	0.006	0.060	0.01	0.01	5	0.1	58	3	0.44	0.001	0.0001	0.001	0.001	0.001	0.008	0.001	0.001	0.005	0.28	0.0001

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



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



Equipment Specialist
ECO Environmental Holdings

06-Nov-2025

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