

Instructions

Delete the existing data in the template and add your data. Use the right template for the format of your data. **DO NOT change the column headings or sheet names** (except if indicated below). A column can be left blank.

The sheets within the excel data template include:

Monitoring Points – enter the water quality monitoring points and the associated spatial coordinates (latitude and longitude must be entered in decimal degrees).

Type: can be groundwater, surface water or on-site storage.

Group: this is used to group monitoring points together. E.g. compliance, reference, upstream, downstream, etc.

Basin: refers to the Queensland river basin

Surface RL (m), install date, depth (m) screened section (m): applicable to groundwater bores

Stream: applicable to surface water, the name of the waterbody. E.g. Deep Creek or Isaac River.

Raw Data – all raw data. If indicators are missing from the template. Add the new indicator. Standing Water level (m) or flow (m³/s) can be added in this sheet.

Major Ions – add major ion data here.

Rainfall – Add rainfall data if available.

Guideline – Common guideline values have been included in this sheet. Additional guidelines can be added. Triggers and limits can also be added into this sheet.

Outliers Removed – Initially copy all data from the raw data sheet into this sheet. After the raw data has been imported in the Power BI file go to the outlier analysis page. On this page the outliers are determined by comparing the maximum value for each monitoring point with the mean + 4*standard deviation (SD). An x in the outlier column identifies that there is potentially an outlier in the raw dataset.

Data points greater than the mean +4*SD should be investigated and if found to be an outlier removed from the dataset. The identified outliers should then be removed from the outliers removed tab in the excel template.

Outlier analysis - Initially leave blank until the outliers have been calculated in Power BI. Export the outlier table calculated in the Outliers analysis page in Power BI as a .csv file. Copy this into the outlier analysis sheet.

DO NOT change column headings. Latitude and longitude must be added as decimal degrees. Only enter relevant data, columns can be left blank.

Monitoring Point	Type	Group	Basin	Stream	latitude	longitude	Surface RL (m)	Install Date	Depth (m)	Screened Section (m)
AQ01	Surfacewater	Expansion project		North Creek	-16.095052	144.516827				
AQ02	Surfacewater	Expansion project		North Creek	-16.097754	144.504558				
AQ03	Surfacewater	Expansion project		Gum Creek	-16.09924	144.50487				
AQ05	Surfacewater	Expansion project		South Creek	-16.114068	144.524454				
AQ06	Surfacewater	Expansion project		Gum Creek	-16.123854	144.527052				
RP1	Surfacewater	Release point		Release Point	-16.101713	144.51471				
S1	Surfacewater	Raw Water Dam 1 Downstream		Water Storage	-16.10265	144.52325				
S11	Surfacewater	Compliance Site Downstream		South Creek	-16.10205	144.5127				
S12	Surfacewater	Compliance Site Upstream		South Creek	-16.10162	144.51074				
S13	Surfacewater	Compliance Site		South Creek	-16.10468	144.51598				
S14	Surfacewater	Expansion project		South Creek	-16.101356	144.506168				
S3	Surfacewater	Raw Water Dam 2		Water Storage	-16.0985	144.51914				
S4	Surfacewater	Pit		Water Storage	-16.097608	144.517601				
S5	Surfacewater	Waste Rock Drainage Line		Drainage Line	-16.100888	144.516173				
S6	Surfacewater	Settling Dam Upstream		Water Storage	-16.101186	144.515221				
S7	Surfacewater	Compliance Site		South Creek	-16.10302	144.51483				
S9	Surfacewater	Sump		Water Storage	-16.101854	144.5140622				

DO NOT change column headings. Values in the Data columns must be a number. If < is entered in a cell it will be treated as a blank in Power BI. Column can be added if indicator is not present. Column can be deleted if no data.

Monitoring Point	Date	Aluminium - Dissolved (mg/L)	Aluminium - Total (mg/L)	Ammonia (mg/L)	Antimony - Dissolved (mg/L)	Antimony - Total (mg/L)	Arsenic - Dissolved (mg/L)	Arsenic - Total (mg/L)	Benzene (µg/L)	Boron - Dissolved (mg/L)	Boron - Total (mg/L)	Electrical Conductivity (µS/cm)	Cadmium - Dissolved (mg/L)	Cadmium - Total (mg/L)	Chromium - Dissolved (mg/L)	Chromium - Total (mg/L)	Copper - Dissolved (mg/L)	Copper - Total (mg/L)	Ethylbenzene (µg/L)	Fluoride (mg/L)	Ionic Balance (%)	Iron - Dissolved (mg/L)	Iron - Total (mg/L)
S1	14/01/2020	0.03	0.06	-	<0.002	<0.002	0.00	0.00	-	0.04	0.04	160.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	-	0.30	-	-	-
S3	14/01/2020	0.01	0.06	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	65.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.02	-	<0.1	-	-	-
S4	14/01/2020	0.02	0.02	-	<0.002	<0.002	0.00	<0.003	-	0.01	0.01	950.00	0.00	0.00	<0.001	<0.001	0.01	0.02	-	0.70	-	-	-
S5	14/01/2020	66.00	65.00	-	<0.002	<0.002	0.01	0.01	-	0.03	0.03	2900.00	0.11	0.11	0.00	0.00	190.00	180.00	-	0.10	-	-	-
S6	14/01/2020	8.40	8.50	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	800.00	0.02	0.02	0.00	0.00	25.00	26.00	-	0.20	-	-	-
S9	14/01/2020	0.97	1.00	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	520.00	0.01	0.01	<0.001	<0.001	7.70	8.00	-	0.20	-	-	-
S11	14/01/2020	0.02	0.02	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	540.00	0.00	0.00	<0.001	<0.001	0.21	0.31	-	<0.1	-	-	-
S12	14/01/2020	0.03	0.03	-	<0.002	<0.002	<0.003	<0.003	-	0.06	0.06	1500.00	0.00	0.00	<0.001	<0.001	0.33	0.41	-	0.10	-	-	-
S6	14/01/2020	8.40	8.40	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	780.00	0.02	0.02	0.00	0.00	26.00	25.00	-	0.30	-	-	-
S6	14/01/2020	8.40	8.40	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	800.00	0.02	0.02	0.00	0.00	26.00	26.00	-	0.20	-	-	-
S4	14/01/2020	0.03	0.06	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	970.00	0.00	0.00	<0.001	<0.001	0.02	0.04	-	0.60	-	-	-
S4	16/03/2020	0.01	0.03	-	<0.002	0.00	<0.003	<0.003	-	0.02	0.01	810.00	0.00	0.00	<0.001	<0.001	0.02	0.05	-	0.60	-	-	-
S6	16/03/2020	0.26	1.80	-	<0.002	<0.002	<0.003	<0.003	-	<0.005	<0.005	130.00	0.00	0.00	<0.001	0.00	1.20	2.00	-	<0.1	-	-	-
S9	16/03/2020	0.22	2.50	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	260.00	0.01	0.01	<0.001	0.00	3.20	3.50	-	0.20	-	-	-
S4	15/10/2020	0.02	0.24	-	0.00	0.00	<0.003	<0.003	-	0.02	0.02	930.00	0.00	0.00	<0.001	<0.001	0.01	0.07	-	0.70	-	-	-
S6	15/10/2020	1.10	1.50	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	390.00	0.01	0.01	<0.001	<0.001	6.60	7.20	-	0.10	-	-	-
S9	15/10/2020	0.19	0.25	-	<0.002	0.00	<0.003	<0.003	-	0.02	0.02	330.00	0.01	0.01	<0.001	<0.001	2.30	2.40	-	0.10	-	-	-
S4	21/01/2021	0.02	0.04	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	710.00	0.02	0.02	<0.001	<0.001	5.00	4.90	-	0.30	-	-	-
S6	21/01/2021	0.53	0.63	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	210.00	0.01	0.01	<0.001	<0.001	5.20	5.20	-	<0.1	-	-	-
S9	21/01/2021	0.40	1.20	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	270.00	0.01	0.01	<0.001	<0.001	3.00	3.10	-	0.10	-	-	-
S1	25/03/2021	0.01	0.05	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	45.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	-	<0.1	-	-	-
S3	25/03/2021	0.01	0.03	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	40.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	-	<0.1	-	-	-
S4	25/03/2021	0.01	0.03	-	<0.002	0.00	<0.003	<0.003	-	0.02	0.01	730.00	0.01	0.01	<0.001	<0.001	0.50	0.59	-	0.30	-	-	-
S6	25/03/2021	0.87	0.89	-	0.00	<0.002	<0.003	<0.003	-	0.01	0.01	250.00	0.01	0.01	<0.001	<0.001	5.00	5.30	-	<0.1	-	-	-
S7	25/03/2021	0.12	0.31	-	<0.002	0.00	<0.003	<0.003	-	0.01	0.01	180.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.02	-	0.10	-	-	-
S9	25/03/2021	0.08	0.11	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	260.00	0.00	0.00	<0.001	<0.001	1.90	1.90	-	<0.1	-	-	-
S11	25/03/2021	0.04	0.11	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	200.00	0.00	0.00	<0.001	<0.001	0.03	0.04	-	0.10	-	-	-
S12	25/03/2021	0.01	0.03	-	<0.002	0.00	<0.003	<0.003	-	0.01	0.01	270.00	0.00	0.00	<0.001	<0.001	0.05	0.06	-	0.20	-	-	-
S1	04/05/2021	<0.01	<0.01	0.02	-	-	<0.001	<0.001	<1	<0.05	<0.05	46.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	0.10	-	0.19	0.44
S3	04/05/2021	0.02	0.01	0.02	-	-	0.00	<0.001	<1	<0.05	<0.05	36.00	<0.0001	<0.0001	<0.001	<0.001	0.00	<0.001	<2	<0.1	-	0.50	0.77
S7	05/05/2021	<0.01	<0.01	0.02	-	-	0.00	<0.001	<1	<0.05	<0.05	487.00	<0.0001	<0.0001	<0.001	<0.001	0.00	<0.001	<2	0.30	6.51	<0.05	0.05
S11	04/05/2021	<0.01	<0.01	<0.01	-	-	<0.001	<0.001	<1	<0.05	<0.05	382.00	0.00	<0.0001	<0.001	<0.001	0.05	0.05	<2	0.20	4.54	<0.05	<0.05
S12	04/05/2021	<0.01	<0.01	0.02	-	-	<0.001	<0.001	<1	<0.05	<0.05	364.00	0.00	<0.0001	<0.001	<0.001	0.04	0.03	<2	0.20	1.11	<0.05	<0.05
S13	04/05/2021	<0.01	<0.01	0.03	-	-	0.00	0.00	<1	<0.05	<0.05	713.00	<0.0001	<0.0001	<0.001	<0.001	0.00	<0.001	<2	0.50	4.79	<0.05	0.14
S1	23/11/2021	<0.01	0.06	<0.50	-	-	<0.001	<0.001	<1	<0.05	<0.05	67.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	0.00	<2	<0.1	-	0.08	0.63
S3	23/11/2021	0.02	0.14	0.03	-	-	0.00	0.00	<1	<0.05	<0.05	69.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.20	-	0.45	0.95
S4	23/11/2021	<0.01	0.02	1.39	-	-	<0.001	<0.001	<1	<0.05	<0.05	859.00	0.00	0.00	<0.001	<0.001	0.09	0.10	<2	0.50	0.56	<0.05	0.05
S6	23/11/2021	1.71	1.84	0.01	-	-	0.00	0.00	<1	0.05	0.05	4060.00	0.02	0.02	<0.001	<0.001	8.68	7.96	<2	0.20	0.90	0.29	0.43
S1	16/01/2022	<0.005	<0.005	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	59.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	-	<0.1	-	-	-
S3	16/01/2022	0.01	0.01	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	67.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	-	0.20	-	-	-
S4	16/01/2022	0.04	0.04	-	<0.002	0.00	<0.003	<0.003	-	0.02	0.02	840.00	0.01	0.01	<0.001	<0.001	1.00	1.00	-	0.50	-	-	-
S6	16/01/2022	11.00	11.00	-	<0.002	0.00	0.00	0.00	-	0.01	0.01	930.00	0.05	0.05	0.00	0.00	43.00	45.00	-	0.20	-	-	-
S9	16/01/2022	0.05	0.08	-	0.00	<0.002	<0.003	<0.003	-	0.02	0.02	780.00	0.02	0.02	<0.001	<0.001	2.50	2.50	-	<0.1	-	-	-
S11	16/01/2022	0.06	0.08	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	370.00	0.00	0.00	<0.001	<0.001	0.09	0.10	-	0.10	-	-	-
S12	16/01/2022	0.01	0.01	-	<0.002	<0.002	<0.003	<0.003	-	0.03	0.03	270.00	<0.0001	<0.0001	<0.001	<0.001	0.09	0.10	-	0.10	-	-	-
S13	16/01/2022	0.70	0.71	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	300.00	<0.0001	<0.0001	<0.001	<0.001	0.03	0.03	-	0.20	-	-	-
S1	15/02/2022	0.08	0.08	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	48.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	-	<0.1	-	-	-
S3	15/02/2022	0.18	0.29	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	35.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	-	<0.1	-	-	-
S4	15/02/2022	0.05	0.31	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	700.00	0.00	0.00	<0.001	<0.001	0.28	0.49	-	0.40	-	-	-
S5	15/02/2022	1.90	11.00	-	<0.002	<0.002	<0.003	<0.003	-	0.02	0.02	760.00	0.02	0.02	<0.001	0.00	21.00	21.00	-	0.10	-	-	-
S6	15/02/2022	0.29	2.20	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	110.00	0.00	0.00	<0.001	0.00	0.98	1.60	-	<0.1	-	-	-
S7	15/02/2022	0.93	1.70	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	88.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	-	<0.1	-	-	-
S7	16/01/2022	0.02	0.03	-	<0.002	<0.002	0.00	0.00	-	0.02	0.02	250.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	-	0.10	-	-	-
S9	15/02/2022	0.01	0.05	-	<0.002	<0.002	<0.003	<0.003	-	0.01	0.01	450.00	0.01										

DO NOT change column headings. Values in the Data columns must be a number. If < is entered in a cell it will be treated as a blank in Power BI. Column can be added if indicator is not present. Column can be deleted if no data.

Monitoring Point	Date	Aluminium - Dissolved (mg/L)	Aluminium - Total (mg/L)	Ammonia (mg/L)	Antimony - Dissolved (mg/L)	Antimony - Total (mg/L)	Arsenic - Dissolved (mg/L)	Arsenic - Total (mg/L)	Benzene (µg/L)	Boron - Dissolved (mg/L)	Boron - Total (mg/L)	Electrical Conductivity (µS/cm)	Cadmium - Dissolved (mg/L)	Cadmium - Total (mg/L)	Chromium - Dissolved (mg/L)	Chromium - Total (mg/L)	Copper - Dissolved (mg/L)	Copper - Total (mg/L)	Ethylbenzene (µg/L)	Fluoride (mg/L)	Ionic Balance (%)	Iron - Dissolved (mg/L)	Iron - Total (mg/L)
S4	25/10/2022	0.01	0.03	<0.01			<0.001	<0.001	<1	<0.05	<0.05	833.00	0.00	0.00	<0.001	<0.001	0.19	0.22	<2	0.50	5.72	<0.05	0.05
S6	25/10/2022	5.97	5.92	0.49			0.00	0.00	<1	<0.05	<0.05	778.00	0.03	0.03	<0.001	<0.001	29.20	27.60	<2	0.30	3.56	0.28	0.30
S12	25/10/2022	<0.01	0.05	0.08			0.00	0.00	<1	<0.05	<0.05	495.00	0.00	0.00	<0.001	<0.001	0.18	0.19	<2	0.10	4.87	<0.05	0.06
S13	26/10/2022	0.40	3.09	0.06			0.00	0.01	<1	<0.05	<0.05	150.00	<0.0001	<0.0001	<0.001	0.00	0.06	0.12	<2	0.10	----	0.93	4.46
S1	26/04/2023	<0.01	0.04	0.01			<0.001	0.00	<1	<0.05	<0.05	50.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.01	<2	<0.1	----	0.11	0.39
S3	26/04/2023	<0.01	0.05	0.06			<0.001	0.00	<1	<0.05	<0.05	50.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	<0.1	----	0.79	2.12
S6	26/04/2023	0.73	0.88	0.19			<0.001	<0.001	<1	<0.05	<0.05	422.00	0.01	0.01	<0.001	<0.001	9.90	10.50	<2	0.20	3.93	0.27	0.28
S11	27/04/2023	0.12	0.50	0.04			<0.001	<0.001	<1	<0.05	<0.05	295.00	0.00	0.00	<0.001	<0.001	0.27	0.44	<2	0.20	1.43	0.15	0.40
S12	27/04/2023	0.13	0.38	0.09			<0.001	<0.001	<1	<0.05	<0.05	315.00	0.00	0.00	<0.001	<0.001	0.28	0.54	<2	0.20	0.50	0.14	0.42
S13	27/04/2023	0.06	0.11	0.05			0.00	0.00	<1	<0.05	<0.05	410.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	0.40	1.87	0.16	0.28
S7	27/04/2023	0.13	0.31	0.02			0.00	0.00	<1	<0.05	<0.05	258.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	0.20	----	0.25	0.44
S11	07/11/2023	<0.01	0.03	0.06			<0.001	<0.001	<1	<0.05	<0.05	813.00	0.00	0.00	<0.001	<0.001	0.03	0.04	<2	0.10	1.70	0.09	0.20
AQ03	07/11/2023	0.01	0.04	0.06			0.01	0.01	<1	<0.05	<0.05	926.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.30	2.97	0.16	0.53
S1	08/11/2023	<0.01	0.05	<0.01			<0.001	<0.001	<1	<0.05	<0.05	69.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.18	0.31
S3	08/11/2023	0.02	0.11	0.02			0.00	0.00	<1	<0.05	<0.05	72.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.20	----	0.38	1.08
S6	08/11/2023	0.92	0.92	0.05			<0.001	<0.001	<1	<0.05	<0.05	757.00	0.01	0.01	<0.001	<0.001	7.64	7.52	<2	0.20	3.02	0.11	0.14
AQ06	08/11/2023	0.01	0.07	0.17			0.00	0.00	<1	<0.05	<0.05	115.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.29	0.94
AQ01	31/01/2024	0.04	0.08	0.04			0.00	0.00	<1	<0.05	<0.05	52.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.23	0.48
AQ02	31/01/2024	0.26	0.35	0.03			0.00	<0.001	<1	<0.05	<0.05	159.00	<0.0001	<0.0001	<0.001	<0.001	0.03	0.04	<2	0.10	----	0.33	0.51
AQ03	31/01/2024	0.09	0.28	0.04			0.00	0.00	<1	<0.05	<0.05	84.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.01	<2	0.10	----	0.18	0.48
AQ05	31/01/2024	0.07	0.43	0.06			<0.001	<0.001	<1	<0.05	<0.05	34.00	<0.0001	<0.0001	<0.001	<0.001	0.02	0.02	<2	<0.1	----	0.09	0.53
AQ06	31/01/2024	0.08	0.39	0.06			0.00	0.00	<1	<0.05	<0.05	68.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	0.10	----	0.14	0.56
S1	31/01/2024	0.19	0.13	0.03			<0.001	<0.001	<1	<0.05	<0.05	44.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.25	0.34
S3	31/01/2024	0.12	0.37	0.03			0.00	0.00	<1	<0.05	<0.05	36.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	<0.1	----	0.42	1.12
S7	30/01/2024	0.12	0.49	<0.01			<0.001	0.00	<1	<0.05	<0.05	102.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.10	----	0.15	0.66
S9	30/01/2024	0.05	0.85	<0.01			<0.001	<0.001	<1	<0.05	<0.05	147.00	0.00	0.00	<0.001	0.01	1.08	1.90	<2	<0.1	----	0.06	1.18
S11	30/01/2024	0.15	0.45	<0.01			<0.001	<0.001	<1	<0.05	<0.05	114.00	0.00	0.00	<0.001	<0.001	0.06	0.10	<2	0.10	----	0.17	0.60
S12	30/01/2024	0.16	0.48	0.02			<0.001	0.00	<1	<0.05	<0.05	119.00	0.00	0.00	<0.001	<0.001	0.07	0.11	<2	0.10	----	0.19	0.66
S13	31/01/2024	0.11	0.43	0.02			<0.001	0.00	<1	<0.05	<0.05	101.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.10	----	0.14	0.61
S14	31/01/2024	0.16	0.40	<0.01			<0.001	<0.001	<1	<0.05	<0.05	137.00	0.00	0.00	<0.001	<0.001	0.08	0.11	<2	0.20	----	0.22	0.60
AQ01	25/03/2024	0.13	0.20	0.11			0.00	0.00	<1	<0.05	<0.05	35.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	<0.1	----	1.64	2.44
AQ02	25/03/2024	0.33	1.42	0.02			0.00	0.00	<1	<0.05	<0.05	182.00	<0.0001	<0.0001	<0.001	0.00	0.01	0.02	<2	0.10	----	0.34	1.86
AQ03	25/03/2024	0.11	0.21	<0.01			0.00	0.00	<1	<0.05	<0.05	101.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.10	----	0.14	0.37
AQ05	25/03/2024	0.27	1.06	0.04			<0.001	0.00	<1	<0.05	<0.05	37.00	<0.0001	<0.0001	<0.001	0.00	0.01	0.02	<2	<0.1	----	0.22	1.10
AQ06	25/03/2024	0.10	0.18	0.03			0.00	0.00	<1	<0.05	<0.05	94.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	0.10	----	0.12	0.26
S1	25/03/2024	0.05	0.07	<0.01			0.00	0.00	<1	<0.05	<0.05	42.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.14	0.28
S3	25/03/2024	0.14	0.17	0.05			<0.001	<0.001	<1	<0.05	<0.05	33.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	<0.1	----	0.74	1.25
S6	25/03/2024	0.16	0.73	0.05			<0.001	<0.001	<1	<0.05	<0.05	168.00	0.00	0.00	<0.001	<0.001	1.43	2.23	<2	<0.1	----	0.30	1.28
S7	25/03/2024	0.30	0.50	<0.01			0.00	0.00	<1	<0.05	<0.05	148.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.01	<2	0.10	----	0.30	0.68
S11	25/03/2024	0.19	0.50	<0.01			<0.001	0.00	<1	<0.05	<0.05	156.00	0.00	0.00	<0.001	<0.001	0.13	0.23	<2	0.10	----	0.23	0.75
S12	25/03/2024	0.20	0.56	0.09			<0.001	0.00	<1	<0.05	<0.05	161.00	0.00	0.00	<0.001	<0.001	0.10	0.19	<2	0.10	----	0.23	0.82
S13	25/03/2024	0.18	0.47	0.04			0.00	0.00	<1	<0.05	<0.05	172.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.01	<2	0.20	----	0.20	0.63
S14	25/03/2024	0.28	0.73	0.02			<0.001	0.00	<1	<0.05	<0.05	148.00	0.00	0.00	<0.001	<0.001	0.10	0.18	<2	0.10	----	0.32	1.11
RP1	25/03/2024	0.13	0.63	<0.01			<0.001	<0.001	<1	<0.05	<0.05	180.00	0.00	0.00	<0.001	<0.001	0.98	1.95	<2	0.10	----	0.21	1.08
AQ01	24/04/2024	0.04	0.10	<0.01			0.00	0.00	<1	<0.05	<0.05	49.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.17	0.36
AQ02	23/04/2024	<0.01	<0.01	<0.01			0.00	0.00	<1	<0.05	<0.05	668.00	<0.0001	<0.0001	<0.001	<0.001	0.01	0.01	<2	0.30	0.94	<0.05	<0.05
AQ03	23/04/2024	0.01	<0.01	0.04			0.00	0.00	<1	<0.05	<0.05	199.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	0.20	----	0.14	0.15
AQ06	23/04/2024	0.01	0.02	<0.01			0.00	0.00	<1	<0.05	<0.05	174.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	0.20	----	0.22	0.27
S1	24/04/2024	<0.01	0.02	0.07			0.00	0.00	<1	<0.05	<0.05	44.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	0.12	0.29
S3	24/04/2024	0.03	0.10	0.42			<0.001	0.00	<1	<0.05	<0.05	34.00	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<2	<0.1	----	1.03	2.87
S6	22/04/2024	0.03	0.70	0.07			<0.001	<0.001	<1	<0.05	<0.05	215.00	0.00	0.00	<0.001	<0.001	1.52	2.32	<2	<0.1	----	<0.05	0.98
S7	22/04/2024	<0.01	<0.01	0.08			0.00	0.00	<1	<0.05	<0.05	495.00	<0.0001	<0.0001	<0.001	<0.001	0.00	0.00	<2	0.30	1.62	<0.05	<0

Lead - Dissolved (mg/L)	Lead - Total (mg/L)	Manganese - Dissolved (mg/L)	Manganese - Total (mg/L)	Mercury - Dissolved (mg/L)	Mercury - Total (mg/L)	Nickel - Dissolved (mg/L)	Nickel - Total (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Nitrite + Nitrate (mg/L)	pH (pH Units)	Selenium - Dissolved (mg/L)	Selenium - Total (mg/L)	Silver - Dissolved (mg/L)	Silver - Total (mg/L)	Suspended Solids (mg/L)	Toluene (µg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Total Anions (meg/L)	Total Cations (meq/L)	Total Dissolved Solids @ 180°c (mg/L)	Total Dissolved Solids (calc.) (mg/L)	Total Xylenes (µg/L)	Zinc - Dissolved (mg/L)	Zinc - Total (mg/L)	C6 - C9 Fraction (µg/L)	C10 - C36 Fraction (sum) (µg/L)
<0.001	<0.001	0.06	0.08	<0.00005	<0.00005	<0.001	<0.001	-	-	-	7.60	<0.002	<0.002	<0.0001	<0.0001	16.00	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	
<0.001	<0.001	<0.005	0.02	<0.00005	<0.00005	<0.001	<0.001	-	-	-	7.40	<0.002	<0.002	<0.0001	<0.0001	8.00	-	-	-	-	-	-	-	-	0.02	0.03	-	-	
0.00	0.00	0.01	0.02	<0.00005	<0.00005	<0.001	<0.001	-	-	-	8.20	<0.002	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.04	0.05	-	-	
0.01	0.01	14.00	13.00	0.00	0.00	0.26	0.25	-	-	-	3.70	0.07	0.09	0.00	0.00	11.00	-	-	-	-	-	-	-	-	21.00	21.00	-	-	
0.00	0.00	2.00	2.00	<0.00005	0.00	0.05	0.05	-	-	-	4.00	0.01	0.01	<0.0001	0.00	<5	-	-	-	-	-	-	-	-	4.50	4.50	-	-	
0.01	0.01	1.70	1.70	<0.00005	<0.00005	0.03	0.03	-	-	-	4.70	0.00	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	1.80	1.80	-	-	
0.00	0.00	0.73	0.74	<0.00005	<0.00005	0.01	0.01	-	-	-	6.40	<0.002	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.35	0.37	-	-	
0.00	0.00	0.31	0.33	<0.00005	<0.00005	0.01	0.01	-	-	-	6.60	0.00	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.62	0.63	-	-	
0.00	0.00	2.00	2.00	<0.00005	0.00	0.05	0.05	-	-	-	4.10	0.01	0.01	<0.0001	0.00	<5	-	-	-	-	-	-	-	-	4.70	4.70	-	-	
0.00	0.00	1.80	2.00	<0.00005	0.00	0.05	0.05	-	-	-	4.00	0.02	0.01	0.00	0.00	<5	-	-	-	-	-	-	-	-	4.80	4.70	-	-	
0.00	0.00	<0.005	0.03	<0.00005	<0.00005	<0.001	<0.001	-	-	-	8.10	<0.002	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.06	0.08	-	-	
<0.001	0.00	<0.005	0.13	<0.00005	<0.00005	0.00	0.00	-	-	-	8.00	<0.002	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.04	0.06	-	-	
<0.001	0.00	0.24	0.25	<0.00005	0.00	0.01	0.01	-	-	-	6.40	<0.002	<0.002	<0.0001	0.00	16.00	-	-	-	-	-	-	-	-	0.43	0.46	-	-	
0.00	0.01	0.69	0.69	<0.00005	<0.00005	0.01	0.01	-	-	-	5.70	<0.002	<0.002	<0.0001	0.00	32.00	-	-	-	-	-	-	-	-	0.78	0.80	-	-	
0.00	0.00	<0.005	0.04	<0.00005	0.00	0.00	0.00	-	-	-	8.00	0.00	0.00	<0.0001	0.00	9.00	-	-	-	-	-	-	-	-	0.03	0.04	-	-	
<0.001	0.00	1.00	1.10	<0.00005	0.00	0.02	0.02	-	-	-	4.80	0.01	0.01	<0.0001	0.00	7.00	-	-	-	-	-	-	-	-	1.30	1.40	-	-	
0.00	0.00	1.00	1.00	<0.00005	<0.00005	0.01	0.01	-	-	-	5.10	0.00	0.00	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.81	0.82	-	-	
0.00	0.00	1.20	1.20	<0.00005	<0.00005	0.03	0.03	-	-	-	6.20	0.01	0.01	<0.0001	<0.0001		-	-	-	-	-	-	-	-	3.00	3.50	-	-	
<0.001	0.00	0.50	0.52	<0.00005	<0.00005	0.01	0.01	-	-	-	5.60	0.00	0.00	<0.0001	<0.0001		-	-	-	-	-	-	-	-	1.10	1.20	-	-	
0.00	0.00	0.50	0.57	<0.00005	<0.00005	0.01	0.01	-	-	-	5.70	<0.002	0.00	<0.0001	<0.0001		-	-	-	-	-	-	-	-	0.78	0.88	-	-	
<0.001	<0.001	<0.005	0.03	<0.00005	<0.00005	0.00	0.00	-	-	-	7.20	<0.002	<0.002	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.01	0.03	-	-	
<0.001	<0.001	<0.005	0.02	<0.00005	<0.00005	0.00	0.00	-	-	-	7.00	<0.002	<0.002	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.01	0.01	-	-	
<0.001	0.00	0.39	0.40	<0.00005	0.00	0.02	0.02	-	-	-	7.30	0.01	0.01	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	1.30	1.30	-	-	
0.00	0.00	0.50	0.53	<0.00005	<0.00005	0.01	0.01	-	-	-	5.40	0.00	0.01	<0.0001	<0.0001	15.00	-	-	-	-	-	-	-	-	1.10	1.10	-	-	
<0.001	0.00	<0.005	0.02	<0.00005	<0.00005	<0.001	0.00	-	-	-	7.30	<0.002	<0.002	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.01	0.02	-	-	
<0.001	0.00	0.81	0.86	<0.00005	<0.00005	0.01	0.01	-	-	-	5.60	<0.002	<0.002	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.62	0.66	-	-	
<0.001	<0.001	<0.005	0.03	<0.00005	<0.00005	<0.001	<0.001	-	-	-	7.30	<0.002	<0.002	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.02	0.03	-	-	
<0.001	<0.001	0.01	0.04	<0.00005	<0.00005	<0.001	0.00	-	-	-	7.50	<0.002	<0.002	<0.0001	<0.0001	<5	-	-	-	-	-	-	-	-	0.04	0.04	-	-	
<0.001	<0.001	0.00	0.01	<0.00001	<0.00001	<0.001	<0.001	<0.01	<0.01	<0.01	7.38	<0.01	<0.01	<0.001	<0.001	-	<2	0.30	0.30	<0.01	0.50	0.44	-	30.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	8.74	<0.01	<0.01	<0.001	<0.001	-	<2	0.40	0.40	0.02	0.56	0.38	-	23.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.00	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	8.07	<0.01	<0.01	<0.001	<0.001	-	<2	0.30	0.30	<0.01	4.95	5.64	-	316.00	<2	<0.005	0.01	<20	<50
<0.001	<0.001	0.02	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.56	<0.01	<0.01	<0.001	<0.001	-	<2	0.20	0.20	0.01	3.71	4.06	-	248.00	<2	0.03	0.03	<20	<50
<0.001	<0.001	0.01	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.96	<0.01	<0.01	<0.001	<0.001	-	<2	0.30	0.30	<0.01	3.44	3.51	-	237.00	<2	0.01	0.01	<20	<50
<0.001	<0.001	0.01	0.04	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	8.47	<0.01	<0.01	<0.001	<0.001	-	<2	0.30	0.30	<0.01	7.60	8.36	-	463.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.07	<0.0001	<0.0001	<0.001	<0.001	<0.01	0.02	0.02	7.59	<0.01	<0.01	<0.001	<0.001	-	<2	0.30	0.30	0.01	0.70	0.61	45.00	44.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.01	0.01	<0.0001	<0.0001	0.00	<0.001	<0.01	<0.01	<0.01	8.82	<0.01	<0.01	<0.001	<0.001	-	<2	0.90	0.90	0.03	0.69	0.65	51.00	45.00	<2	<0.005	0.01	<20	110.00
<0.001	<0.001	0.03	0.03	<0.0001	<0.0001	0.00	0.00	<0.01	<0.01	<0.01	8.09	<0.01	<0.01	<0.001	<0.001	-	<2	0.10	0.10	0.02	8.89	8.99	560.00	558.00	<2	0.21	0.20	<20	90.00
0.00	0.00	22.60	22.40	<0.0001	0.00	0.05	0.05	<0.01	0.03	0.03	4.21	<0.01	<0.01	<0.001	<0.001	-	<2	0.60	0.60	<0.01	50.00	49.10	3800.00	2640.00	<2	2.97	2.71	<20	<50
<0.001	<0.001	<0.005	<0.005	<0.00005	<0.00005	<0.001	<0.001	-	-	-	6.90	<0.002	<0.002	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	
<0.001	<0.001	<0.005	<0.005	<0.00005	<0.00005	<0.001	<0.001	-	-	-	7.20	<0.002	<0.002	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	0.01	0.01	-	-	
0.00	0.00	0.40	0.39	<0.00005	<0.00005	0.01	0.01	-	-	-	7.80	0.01	0.01	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	0.60	0.61	-	-	
0.00	0.01	3.20	3.20	<0.00005	<0.00005	0.08	0.08	-	-	-	4.00	0.02	0.02	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	7.90	8.00	-	-	
0.00	0.00	2.90	2.90	<0.00005	<0.00005	0.03	0.03	-	-	-	4.90	0.00	0.00	<0.001	<0.001	51.00	-	-	-	-	-	-	-	-	1.50	1.60	-	-	
<0.001	0.00	0.02	0.03	<0.00005	<0.00005	<0.001	<0.001	-	-	-	6.90	<0.002	<0.002	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	0.02	0.03	-	-	
<0.001	<0.001	<0.005	0.01	<0.00005	<0.00005	<0.001	<0.001	-	-	-	7.40	<0.002	<0.002	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	<0.005	0.01	-	-	
0.00	0.00	0.03	0.03	<0.00005	<0.00005	0.00	0.00	-	-	-	7.40	<0.002	<0.002	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	0.01	0.01	-	-	
<0.001	<0.001	<0.005	<0.005	<0.00005	<0.00005	<0.001	<0.001	-	-	-	6.90	<0.002	<0.002	<0.001	<0.001	<5	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	
<0.001	<0.001	0.01	0.02	<0.00005	<0.00005	<0.001	<0.001	-	-	-	6.80	<0.002	<0.002	<0.001	<0.001	9.00	-	-	-										

Lead - Dissolved (mg/L)	Lead - Total (mg/L)	Manganese - Dissolved (mg/L)	Manganese - Total (mg/L)	Mercury - Dissolved (mg/L)	Mercury - Total (mg/L)	Nickel - Dissolved (mg/L)	Nickel - Total (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Nitrite + Nitrate (mg/L)	pH (pH Units)	Selenium - Dissolved (mg/L)	Selenium - Total (mg/L)	Silver - Dissolved (mg/L)	Silver - Total (mg/L)	Suspended Solids (mg/L)	Toluene (µg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Total Phosphoro us (mg/L)	Total Anions (meg/L)	Total Cations (meq/L)	Total Dissolved Solids @ 180°c (mg/L)	Total Dissolved Solids (calc.) (mg/L)	Total Xylenes (µg/L)	Zinc - Dissolved (mg/L)	Zinc - Total (mg/L)	C6 - C9 Fraction (µg/L)	C10 - C36 Fraction (sum) (µg/L)
<0.001	<0.001	0.07	0.07	<0.0001	<0.0001	0.00	0.01	<0.01	<0.01	<0.01	8.14	<0.01	<0.01	<0.001	<0.001	<5	<2	<0.1	<0.1	<0.01	8.30	9.31	526.00	541.00	<2	0.32	0.33	<20	<50
0.00	0.00	2.22	2.13	<0.0001	<0.0001	0.06	0.05	<0.01	<0.01	<0.01	4.34	0.01	0.01	<0.001	<0.001	<5	<2	0.70	0.70	<0.01	7.71	8.28	553.00	506.00	<2	5.31	4.85	<20	70.00
<0.001	<0.001	0.34	0.35	<0.0001	<0.0001	0.00	0.00	0.05	0.20	0.25	6.91	<0.01	<0.01	<0.001	<0.001	<5	<2	1.70	2.00	0.09	4.61	5.08	317.00	322.00	<2	0.03	0.04	<20	240.00
0.00	0.01	0.28	0.31	<0.0001	<0.0001	0.00	0.00	<0.01	<0.01	<0.01	7.00	<0.01	<0.01	<0.001	<0.001	75.00	<2	1.40	1.40	0.47	1.48	1.69	135.00	98.00	<2	<0.005	0.02	<20	420.00
<0.001	<0.001	0.00	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	9.11	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.02	0.74	0.52	32.00	32.00	<2	<0.005	0.01	<20	<50
<0.001	<0.001	0.00	0.04	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.12	<0.01	<0.01	<0.001	<0.001	<5	<2	1.10	1.10	0.04	0.70	0.51	37.00	32.00	<2	<0.005	0.01	<20	<50
<0.001	<0.001	0.79	0.78	<0.0001	<0.0001	0.02	0.02	<0.01	<0.01	<0.01	4.93	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.02	3.80	3.51	282.00	274.00	<2	1.92	1.87	<20	<50
<0.001	<0.001	0.05	0.05	<0.0001	<0.0001	0.00	0.00	<0.01	<0.01	<0.01	7.19	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.02	3.04	2.95	170.00	192.00	<2	0.13	0.16	<20	<50
<0.001	<0.001	0.09	0.10	<0.0001	<0.0001	0.00	0.00	<0.01	<0.01	<0.01	7.74	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.02	3.23	3.27	184.00	205.00	<2	0.14	0.15	<20	<50
<0.001	<0.001	0.01	0.03	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.98	<0.01	<0.01	<0.001	<0.001	<5	<2	0.30	0.30	0.02	4.48	4.65	224.00	266.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.01	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.79	<0.01	<0.01	<0.001	<0.001	<5	<2	0.60	0.60	0.02	2.66	2.78	142.00	168.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.16	0.15	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.14	<0.01	<0.01	<0.001	<0.001	21.00	<2	0.40	0.40	<0.01	8.94	8.64	546.00	528.00	<2	0.02	0.02	<20	<50
<0.001	<0.001	0.10	0.50	<0.0001	<0.0001	<0.001	<0.001	<0.10	<0.10	<0.01	8.44	<0.01	<0.01	<0.001	<0.001	7.00	<2	1.30	1.30	0.05	10.80	11.50	564.00	602.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.45	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	<0.01	0.84	0.72	44.00	45.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.01	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.53	<0.01	<0.01	<0.001	<0.001	5.00	<2	0.80	0.80	0.03	0.87	0.85	53.00	47.00	<2	<0.005	0.01	<20	<50
<0.001	<0.001	1.15	1.09	<0.0001	<0.0001	0.03	0.03	<0.01	<0.01	<0.01	4.44	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.06	8.04	7.57	538.00	492.00	<2	1.85	1.74	<20	<50
<0.001	<0.001	0.01	0.07	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.28	<0.01	<0.01	<0.001	<0.001	10.00	<2	0.90	0.90	0.04	1.31	1.35	81.00	75.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.03	0.04	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	6.72	<0.01	<0.01	<0.001	<0.001	9.00	<2	0.20	0.20	0.02	0.64	0.48	38.00	34.00	<2	<0.005	<0.005	<20	960.00
<0.001	<0.001	0.01	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.47	<0.01	<0.01	<0.001	<0.001	<5	<2	0.40	0.40	0.01	1.84	1.71	103.00	103.00	<2	<0.005	0.01	<20	230.00
<0.001	<0.001	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.49	<0.01	<0.01	<0.001	<0.001	<5	<2	0.10	0.10	0.02	1.05	0.84	61.00	55.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	<0.001	0.00	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	6.52	<0.01	<0.01	<0.001	<0.001	<5	<2	0.10	0.10	<0.01	0.36	0.26	45.00	22.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.01	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.34	<0.01	<0.01	<0.001	<0.001	<5	<2	0.10	0.10	0.01	0.88	0.70	43.00	44.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.05	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	<0.01	0.64	0.44	29.00	29.00	<2	<0.005	<0.005	<20	100.00
<0.001	<0.001	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	6.95	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.02	0.56	0.39	37.00	23.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.66	<0.01	<0.01	<0.001	<0.001	<5	<2	0.20	0.20	0.01	1.26	1.05	73.00	66.00	<2	<0.005	<0.005	<20	<50
<0.001	0.00	0.21	0.22	<0.0001	<0.0001	0.01	0.01	<0.01	<0.01	<0.01	6.43	<0.01	<0.01	<0.001	<0.001	8.00	<2	0.30	0.30	0.04	1.12	1.20	116.00	96.00	<2	0.46	0.50	<20	<50
<0.001	<0.001	0.02	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	0.03	0.03	7.49	<0.01	<0.01	<0.001	<0.001	7.00	<2	0.30	0.30	0.12	1.32	1.14	80.00	74.00	<2	0.02	0.03	<20	<50
<0.001	<0.001	0.02	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.64	<0.01	<0.01	<0.001	<0.001	<5	<2	0.30	0.30	0.13	1.38	1.19	83.00	77.00	<2	0.02	0.03	<20	<50
<0.001	<0.001	0.01	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.61	<0.01	<0.01	<0.001	<0.001	<5	<2	0.30	0.30	0.09	1.22	1.09	76.00	66.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.02	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.61	<0.01	<0.01	<0.001	<0.001	<5	<2	0.30	0.30	0.03	1.55	1.36	91.00	89.00	<2	0.02	0.03	<20	<50
<0.001	0.00	0.03	0.04	<0.0001	<0.0001	<0.001	<0.001	<0.01	0.04	0.04	7.04	<0.01	<0.01	<0.001	<0.001	<5	<2	0.50	0.50	<0.01	0.44	0.42	26.00	23.00	<2	<0.005	<0.005	<20	<50
<0.001	0.00	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.87	<0.01	<0.01	<0.001	<0.001	<5	<2	0.30	0.30	0.02	2.09	1.97	138.00	118.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.65	<0.01	<0.01	<0.001	<0.001	<5	<2	<0.1	<0.1	<0.01	1.16	1.00	58.00	66.00	<2	<0.005	<0.005	<20	<50
<0.001	0.00	0.00	0.00	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.06	<0.01	<0.01	<0.001	<0.001	<5	<2	0.10	0.10	<0.01	0.48	0.34	46.00	24.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.01	0.01	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.71	<0.01	<0.01	<0.001	<0.001	<5	<2	<0.1	<0.1	<0.01	1.15	1.00	53.00	61.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.01	0.02	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.23	<0.01	<0.01	<0.001	<0.001	<5	<2	0.10	0.10	<0.01	0.58	0.35	28.00	27.00	<2	<0.005	<0.005	<20	<50
<0.001	<0.001	0.00	0.03	<0.0001	<0.0001	<0.001	<0.001	<0.01	<0.01	<0.01	7.22	<0.01	<0.01	<0.001	<0.001	8.00	<2	0.20	0.20	<0.01	0.46	0.26	24.00	21.00	<2	<0.005	<0.005	<20	<50
<0.001	0.00	0.24	0.24	<0.0001	<0.0001	0.01	0.01	<0.01	<0.01	<0.01	6.76	<0.01	<0.01	<0.001	<0.001	7.00	<2	0.10	0.10	<0.01	1.30	1.44	122.00	109.00	<2	0.50	0.51	<20	

DO NOT change column headings. Values in the Data column must be a number and in mg/L. This data is used for Piper plots in Power BI. Cells can be blank

[illegible]

DO NOT change column headings. Values in the Data column must be a number and in mg/L. This data is used for Piper plots in Power BI. Cells can be blank

Monitoring Point	Date	Calcium	Magnesium	Sodium	Potassium	Chloride	Sulphate	Bicarbonate	Carbonate Alkalinity	Total Alkalinity as CaCO ₃	Hydroxide Alkalinity as CaCO ₃
S7	16/1/2022	–	–	–	–	–	–	–	–	–	–
S9	15/2/2022	–	–	–	–	–	–	–	–	–	–
S11	15/2/2022	–	–	–	–	–	–	–	–	–	–
S12	15/2/2022	–	–	–	–	–	–	–	–	–	–
S13	15/2/2022	–	–	–	–	–	–	–	–	–	–
S1	16/3/2022										
S3	16/3/2022										
S4	16/3/2022										
S5	16/3/2022										
S6	16/3/2022										
S7	16/3/2022										
S9	16/3/2022										
S11	16/3/2022										
S12	16/3/2022										
S13	16/3/2022										
S1	30/05/2022	2.00	1.00	6.00	<1	4.00	<1	18.00	<1	18.00	<1
S3	30/05/2022	2.00	2.00	6.00	<1	2.00	<1	21.00	<1	21.00	<1
S6	30/05/2022	27.00	19.00	30.00	3.00	8.00	222.00	<1	<1	<1	<1
S11	31/05/2022	18.00	14.00	28.00	1.00	7.00	105.00	34.00	<1	34.00	<1
S12	31/05/2022	14.00	10.00	33.00	1.00	10.00	53.00	88.00	<1	88.00	<1
S13	31/05/2022	24.00	28.00	86.00	1.00	27.00	1.00	313.00	<1	313.00	<1
S7	31/05/2022	10.00	10.00	29.00	1.00	10.00	<1	115.00	<1	115.00	<1
S1	18/6/2022										
S3	18/6/2022										
S4	18/6/2022										
S5	18/6/2022										
S6	18/6/2022										
S7	18/6/2022										
S9	18/6/2022										
S11	18/6/2022										
S12	18/6/2022										
S1	25/10/2022	2.00	1.00	7.00	1.00	4.00	<1	38.00	<1	38.00	<1
S3	25/10/2022	4.00	4.00	6.00	<1	2.00	<1	34.00	<1	34.00	<1
S4	25/10/2022	83.00	29.00	61.00	5.00	15.00	199.00	187.00	<1	187.00	<1
S6	25/10/2022	46.00	29.00	36.00	5.00	9.00	358.00	<1	<1	<1	<1
S12	25/10/2022	31.00	20.00	41.00	4.00	12.00	158.00	49.00	<1	49.00	<1
S13	26/10/2022	12.00	7.00	9.00	5.00	5.00	<1	67.00	<1	67.00	<1
S1	26/04/2023	2.00	2.00	6.00	<1	2.00	<1	24.00	10.00	34.00	<1
S3	26/04/2023	2.00	2.00	5.00	1.00	2.00	<1	32.00	<1	32.00	<1
S6	26/04/2023	22.00	16.00	24.00	2.00	7.00	170.00	3.00	<1	3.00	<1
S11	27/04/2023	17.00	11.00	27.00	1.00	7.00	53.00	87.00	<1	87.00	<1
S12	27/04/2023	19.00	12.00	30.00	1.00	7.00	47.00	103.00	<1	103.00	<1
S13	27/04/2023	26.00	18.00	43.00	<1	10.00	1.00	209.00	<1	209.00	<1
S7	27/04/2023	14.00	11.00	27.00	<1	7.00	<1	123.00	<1	123.00	<1
S11	07/11/2023	56.00	36.00	64.00	4.00	17.00	371.00	37.00	<1	37.00	<1
AQ03	07/11/2023	24.00	34.00	169.00	5.00	49.00	<1	444.00	28.00	472.00	<1
S1	08/11/2023	2.00	2.00	10.00	1.00	3.00	1.00	37.00	<1	37.00	<1
S3	08/11/2023	2.00	3.00	11.00	1.00	1.00	<1	42.00	<1	42.00	<1
S6	08/11/2023	44.00	35.00	55.00	4.00	12.00	370.00	<1	<1	<1	<1
AQ06	08/11/2023	5.00	3.00	19.00	1.00	4.00	<1	60.00	<1	60.00	<1
AQ01	31/01/2024	2.00	3.00	3.00	<1	2.00	<1	29.00	<1	29.00	<1
AQ02	31/01/2024	6.00	6.00	21.00	<1	7.00	5.00	77.00	<1	77.00	<1

DO NOT change column headings. Values in the Data column must be a number and in mg/L. This data is used for Piper plots in Power BI. Cells can be blank

Monitoring Point	Date	Calcium	Magnesium	Sodium	Potassium	Chloride	Sulphate	Bicarbonate	CarbonateAlkalinity	Total Alkalinity as CaCO3	Hydroxide Alkalinity as CaCO3
AQ03	31/01/2024	3.00	2.00	12.00	<1	4.00	<1	47.00	<1	47.00	<1
AQ05	31/01/2024	<1	<1	6.00	<1	3.00	<1	14.00	<1	14.00	<1
AQ06	31/01/2024	2.00	2.00	10.00	<1	3.00	<1	40.00	<1	40.00	<1
S1	31/01/2024	2.00	1.00	6.00	<1	3.00	<1	28.00	<1	28.00	<1
S3	31/01/2024	1.00	2.00	4.00	<1	2.00	<1	25.00	<1	25.00	<1
S7	30/01/2024	4.00	4.00	12.00	<1	5.00	<1	56.00	<1	56.00	<1
S9	30/01/2024	7.00	5.00	10.00	<1	4.00	36.00	13.00	<1	13.00	<1
S11	30/01/2024	5.00	4.00	13.00	<1	5.00	5.00	54.00	<1	54.00	<1
S12	30/01/2024	5.00	4.00	14.00	<1	5.00	6.00	56.00	<1	56.00	<1
S13	31/01/2024	4.00	4.00	13.00	<1	5.00	<1	54.00	<1	54.00	<1
S14	31/01/2024	6.00	5.00	15.00	<1	5.00	8.00	62.00	<1	62.00	<1
AQ01	25/03/2024	2.00	2.00	3.00	1.00	2.00	<1	19.00	<1	19.00	<1
AQ02	25/03/2024	7.00	7.00	24.00	<1	6.00	4.00	92.00	<1	92.00	<1
AQ03	25/03/2024	3.00	3.00	14.00	<1	3.00	<1	54.00	<1	54.00	<1
AQ05	25/03/2024	<1	1.00	6.00	<1	2.00	<1	21.00	<1	21.00	<1
AQ06	25/03/2024	3.00	3.00	14.00	<1	4.00	<1	52.00	<1	52.00	<1
S1	25/03/2024	1.00	1.00	5.00	<1	2.00	<1	26.00	<1	26.00	<1
S3	25/03/2024	<1	1.00	4.00	<1	2.00	<1	20.00	<1	20.00	<1
S6	25/03/2024	8.00	6.00	12.00	1.00	3.00	45.00	14.00	<1	14.00	<1
S7	25/03/2024	7.00	6.00	16.00	<1	4.00	<1	79.00	<1	79.00	<1
S11	25/03/2024	8.00	6.00	16.00	<1	4.00	10.00	70.00	<1	70.00	<1
S12	25/03/2024	8.00	6.00	17.00	<1	4.00	12.00	71.00	<1	71.00	<1
S13	25/03/2024	9.00	7.00	18.00	<1	4.00	<1	78.00	<1	78.00	<1
S14	25/03/2024	7.00	5.00	15.00	<1	4.00	12.00	63.00	<1	63.00	<1
RP1	25/03/2024	9.00	6.00	12.00	1.00	4.00	47.00	14.00	<1	14.00	<1
AQ01	24/04/2024	2.00	3.00	4.00	1.00	2.00	<1	30.00	<1	30.00	<1
AQ02	23/04/2024	29.00	30.00	89.00	1.00	20.00	13.00	321.00	21.00	342.00	<1
AQ03	23/04/2024	7.00	6.00	29.00	<1	7.00	<1	108.00	<1	108.00	<1
AQ06	23/04/2024	7.00	5.00	27.00	<1	6.00	<1	100.00	<1	100.00	<1
S1	24/04/2024	2.00	1.00	6.00	<1	2.00	<1	28.00	<1	28.00	<1
S3	24/04/2024	1.00	2.00	4.00	<1	2.00	<1	20.00	<1	20.00	<1
S6	22/04/2024	10.00	8.00	14.00	1.00	4.00	69.00	19.00	<1	19.00	<1
S7	22/04/2024	27.00	22.00	53.00	<1	13.00	2.00	262.00	<1	262.00	<1
S13	22/04/2024	34.00	29.00	68.00	<1	16.00	4.00	329.00	<1	329.00	<1
S14	23/04/2024	22.00	14.00	39.00	<1	9.00	38.00	154.00	<1	154.00	<1
S11	22/04/2024	19.00	15.00	41.00	1.00	10.00	35.00	162.00	<1	162.00	<1
S11	6/11/2024	35.00	22.00	49.00	3.00	12.00	212.00	57.00	<1	57.00	<1
S6	6/11/2024	27.00	20.00	34.00	3.00	9.00	234.00	<1	<1	<1	<1
S3	6/11/2024	2.00	2.00	7.00	2.00	4.00	<1	35.00	<1	35.00	<1
S11	6/11/2024	2.00	2.00	8.00	1.00	3.00	<1	38.00	<1	38.00	<1
S6	19/05/2025	18.00	14.00	24.00	2.00	6.00	136.00	6.00	<1	6.00	<1
S3	19/05/2025	1.00	2.00	6.00	<1	<1	<1	26.00	<1	26.00	<1
S1	19/05/2025	2.00	2.00	6.00	<1	2.00	<1	27.00	<1	27.00	<1
S13	20/05/2025	34.00	38.00	87.00	1.00	20.00	1.00	392.00	<1	392.00	<1
S7	20/05/2025	24.00	24.00	61.00	<1	14.00	<1	264.00	41.00	305.00	<1
S12	20/05/2025	34.00	21.00	56.00	1.00	12.00	40.00	225.00	<1	225.00	<1
S11	20/05/2025	22.00	15.00	41.00	1.00	9.00	58.00	149.00	<1	149.00	<1

DO NOT change column headings or data. Additional rows can be added. Existing EA or proposed limits and triggers can be added.

Indicator	Unit	ANZECC aquatic ecosystem trigger value	Australian drinking water guideline	ANZECC Stock watering guideline	Limit	Trigger
pH - min	pH unit	6	6.5		6	
pH - max	pH unit	8.5	8.5		8.5	
Electrical Conductivity	µS/cm	500			5970	
Sulfate	mg/L		250		1000	
Fluoride	mg/L	2.4	1.5		2	
Nitrate	mg/L	0.7	50		400	
Ammonia	mg/L	0.9	0.5			
Total Phosphorus	mg/L	0.01				
Aluminium - Dissolved	µg/L	55				
Aluminium - Total	µg/L		100		5000	
Antimony - Dissolved	µg/L	9				
Antimony - Total	µg/L		0		0	
Arsenic - Dissolved	µg/L	13				
Arsenic - Total	µg/L		10		500	
Boron - Dissolved	µg/L	370				
Boron - Total	µg/L		4000		5000	
Cadmium - Dissolved	µg/L	0.2				
Cadmium - Total	µg/L		2		10	
Copper - Dissolved	µg/L	1.4				
Copper - Total	µg/L		2000		1000	
Chromium - Dissolved	µg/L	1				
Chromium - Total	µg/L		50		1000	
Cobalt - Dissolved	µg/L	1.4				
Cobalt - Total	µg/L		0		1000	
Iron - Dissolved	µg/L	300				
Iron - Total	µg/L					
Lead - Dissolved	µg/L	3.4				
Lead - Total	µg/L		10		100	
Manganese - Dissolved	µg/L	1900				
Manganese - Total	µg/L		500		0	
Mercury - Dissolved	µg/L	0.6				
Mercury - Total	µg/L		1		2	
Molybdenum - Dissolved	µg/L	34				
Molybdenum - Total	µg/L		50		150	
Nickel - Dissolved	µg/L	11				
Nickel - Total	µg/L		20		1000	
Selenium - Dissolved	µg/L	5				
Selenium - Total	µg/L		10		20	
Silver - Dissolved	µg/L	0.05				
Silver - Total	µg/L					
Uranium - Dissolved	µg/L	0.5				
Uranium - Total	µg/L		17		200	
Vanadium - Dissolved	µg/L	6				
Vanadium - Total	µg/L		0		0	
Thallium - Dissolved	µg/L	0.03				
Thallium - Total	µg/L		0		0	
Zinc - Dissolved	µg/L	8				
Zinc - Total	µg/L		3000		20000	
Aluminium - Dissolved	mg/L	0.055				
Aluminium - Total	mg/L		0.1		5	
Antimony - Dissolved	mg/L	0.009				
Antimony - Total	mg/L					
Arsenic - Dissolved	mg/L	0.013				
Arsenic - Total	mg/L		0.01		0.5	
Boron - Dissolved	mg/L	0.37				
Boron - Total	mg/L		4		5	
Cadmium - Dissolved	mg/L	0.0002				
Cadmium - Total	mg/L		0.002		0.01	
Copper - Dissolved	mg/L	0.0014				
Copper - Total	mg/L		2		1	
Chromium - Dissolved	mg/L	0.001				
Chromium - Total	mg/L		0.05		1	
Cobalt - Dissolved	mg/L	0.0014				
Cobalt - Total	mg/L				1	
Iron - Dissolved	mg/L	0.3				
Iron - Total	mg/L					
Lead - Dissolved	mg/L	0.0034				
Lead - Total	mg/L		0.01		0.1	
Manganese - Dissolved	mg/L	1.9				
Manganese - Total	mg/L		0.5			
Mercury - Dissolved	mg/L	0.0006				
Mercury - Total	mg/L		0.001		0.002	
Molybdenum - Dissolved	mg/L	0.034				
Molybdenum - Total	mg/L		0.05		0.15	
Nickel - Dissolved	mg/L	0.011				
Nickel - Total	mg/L		0.02		1	
Selenium - Dissolved	mg/L	0.005				
Selenium - Total	mg/L		0.01		0.02	
Silver - Dissolved	mg/L	0.00005				
Silver - Total	mg/L					
Uranium - Dissolved	mg/L	0.0005				
Uranium - Total	mg/L		0.017		0.2	
Vanadium - Dissolved	mg/L	0.006				
Vanadium - Total	mg/L					
Thallium - Dissolved	mg/L	0.00003				
Thallium - Total	mg/L					
Zinc - Dissolved	mg/L	0.008				
Zinc - Total	mg/L		3		20	