

SW2 Surface Water Site 2

Tonkin Hwy Culvert near Welshpool Rd (Urbaqua/Endemic site SW6)

Easting

405230

Northing

6457908

Data Analysis Period Start Date

1/01/2009

Data Analysis Period End Date

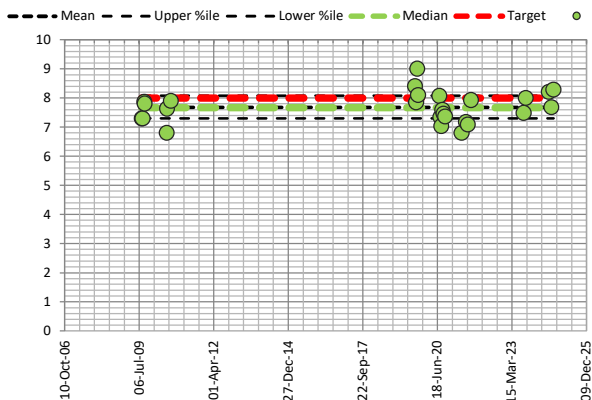
15/07/2025

Report Date : 25/07/2025

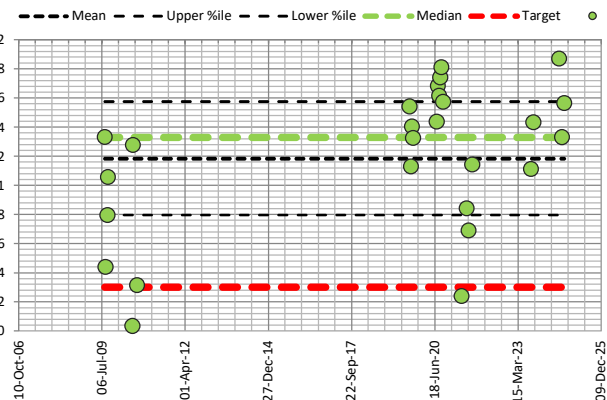
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target ANZECC 95% & Lowland Rivers	Times Exceeded
					20				80				
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00		0.00	0.00	0.00		0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00		0.00	0.00	0.00		0.00		0
T	Temperature	°C	24	13.00	15.680		17.171	16.95	18.320		24.300		0
EC	Electrical Conductivity	mS/cm	26	0.036	0.796		1.183	1.329	1.575		1.872	0.300	24
pH	pH	pH	26	6.80	7.30		7.68	7.67	8.08		9.01	8.00	7
DO	Dissolved Oxygen	%	18	60.40	69.20		105.83	104.70	135.00		217.10		0
TN	Total Nitrogen	mg/L	26	0.400	1.900		3.335	2.600	3.900		18.000	1.20	23
TKN	Total Kjeldhal Nitrogen	mg/L	26	0.300	0.700		1.646	1.100	1.600		13.000		0
NO3	Nitrate	mg/L	26	0.040	0.810		1.798	1.510	2.600		5.400		0
NO2	Nitrite	mg/L	26	0.005	0.010		0.015	0.011	0.023		0.030		0
Nox	Nox	mg/L	25	0.040	0.810		1.779	1.500	2.660		5.400	0.15	23
NH3	Ammonia	mg/L	9	0.011	0.018		0.045	0.035	0.069		0.110	0.90	0
TP	Total Phosphorous	mg/L	26	0.050	0.060		0.156	0.135	0.180		0.630	0.07	19
FRP	Filterable Reactive Phosphorous	mg/L	26	0.010	0.010		0.066	0.021	0.082		0.510	0.04	8
As	Arsenic	mg/L	12	0.00100	0.00100		0.00153	0.00100	0.00268		0.00300	0.02400	0
Cd	Cadmium	mg/L	12	0.00010	0.00010		0.00010	0.00010	0.00010		0.00010	0.00020	0
Cr	Chromium	mg/L	12	0.00100	0.00100		0.00150	0.00100	0.00100		0.00600	0.00100	2
Cu	Copper	mg/L	12	0.00200	0.00270		0.00547	0.00490	0.00600		0.01600	0.00140	12
Pb	Lead	mg/L	12	0.00100	0.00100		0.00146	0.00100	0.00148		0.00500	0.00340	1
Hg	Mercury	mg/L	12	0.00005	0.00005		0.00006	0.00005	0.00009		0.00010	0.00060	0
Ni	Nickel	mg/L	12	0.00100	0.00100		0.00169	0.00100	0.00118		0.00500	0.01100	0
Zn	Zinc	mg/L	12	0.00430	0.00968		0.02323	0.01800	0.03500		0.05400	0.00800	10
Cl	Chloride	mg/L	0	0.00	0.00		0.00	0.00	0.00		0.00		0
Ca	Calcium	mg/L	4	59.00	64.40		74.75	72.50	84.20		95.00		0
Mg	Magnesium	mg/L	4	25.00	27.40		31.50	31.00	35.40		39.00		0
K	Potassium	mg/L	4	6.20	7.94		9.83	10.55	12.00		12.00		0
Na	Sodium	mg/L	4	120.00	144.00		175.00	165.00	202.00		250.00		0
H as CaCO3	Hardness as CaCO3	mg/L	4	250.00	280.00		315.00	305.00	346.00		400.00		0
SiO2	Silica	mg/L	0	0.00	0.00000		0.00	0.00	0.00000		0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

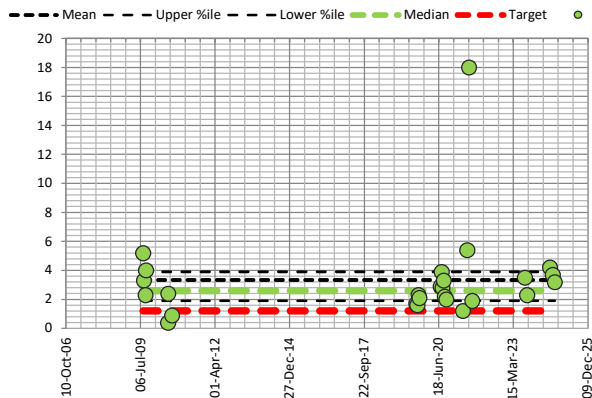
pH



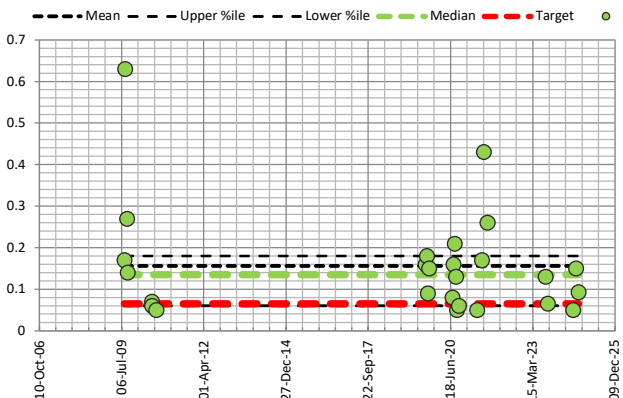
Electrical Conductivity



Total Nitrogen



Total Phosphorous

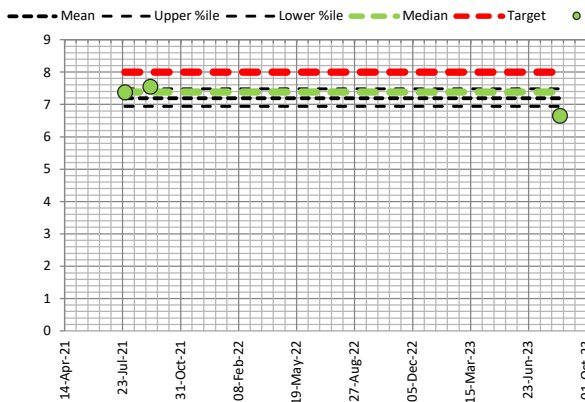


Report Date : 25/07/2025

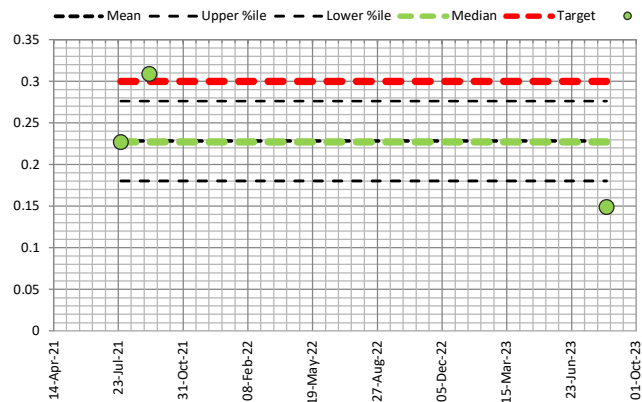
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target ANZECC 95% & Lowland Rivers	Times Exceeded
					20				80				
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00		0.00	0.00	0.00		0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00		0.00	0.00	0.00		0.00		0
T	Temperature	°C	3	13.90	14.260		14.633	14.80	15.040		15.200		0
EC	Electrical Conductivity	mS/cm	3	0.149	0.180		0.228	0.227	0.276		0.309	0.300	1
pH	pH		3	6.65	6.94		7.19	7.38	7.48		7.55	8.00	0
DO	Dissolved Oxygen	%	3	53.70	55.98		61.17	59.40	66.00		70.40		0
TN	Total Nitrogen	mg/L	3	1.100	1.380		1.900	1.800	2.400		2.800	1.20	2
TKN	Total Kjeldhal Nitrogen	mg/L	3	0.550	0.730		1.217	1.000	1.660		2.100		0
NO3	Nitrate	mg/L	3	0.073	0.300		0.638	0.640	0.976		1.200		0
NO2	Nitrite	mg/L	3	0.012	0.017		0.037	0.024	0.055		0.076		0
Nox	Nox	mg/L	3	0.097	0.346		0.672	0.720	1.008		1.200	0.15	2
NH3	Ammonia	mg/L	3	0.051	0.111		0.340	0.200	0.542		0.770	0.90	0
TP	Total Phosphorous	mg/L	3	0.270	1.322		2.923	2.900	4.520		5.600	0.07	3
FRP	Filterable Reactive Phosphorous	mg/L	3	0.100	0.128		0.177	0.170	0.224		0.260	0.04	3
As	Arsenic	mg/L	3	0.00100	0.00140		0.00257	0.00200	0.00362		0.00470	0.02400	0
Cd	Cadmium	mg/L	3	0.00010	0.00010		0.00010	0.00010	0.00010		0.00010	0.00020	0
Cr	Chromium	mg/L	3	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.00100	0
Cu	Copper	mg/L	3	0.00500	0.00500		0.00700	0.00500	0.00860		0.01100	0.00140	3
Pb	Lead	mg/L	3	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.00340	0
Hg	Mercury	mg/L	3	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00060	0
Ni	Nickel	mg/L	3	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.01100	0
Zn	Zinc	mg/L	3	0.01100	0.01260		0.01833	0.01500	0.02340		0.02900	0.00800	3
Cl	Chloride	mg/L	0	0.00	0.00		0.00	0.00	0.00		0.00		0
Ca	Calcium	mg/L	1	14.00	14.00		14.00	14.00	14.00		14.00		0
Mg	Magnesium	mg/L	1	1.90	1.90		1.90	1.90	1.90		1.90		0
K	Potassium	mg/L	1	2.80	2.80		2.80	2.80	2.80		2.80		0
Na	Sodium	mg/L	1	5.00	5.00		5.00	5.00	5.00		5.00		0
H as CaCO3	Hardness as CaCO3	mg/L	1	43.00	43.00		43.00	43.00	43.00		43.00		0
SiO2	Silica	mg/L	0	0.00	0.00000		0.00	0.00	0.00000		0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

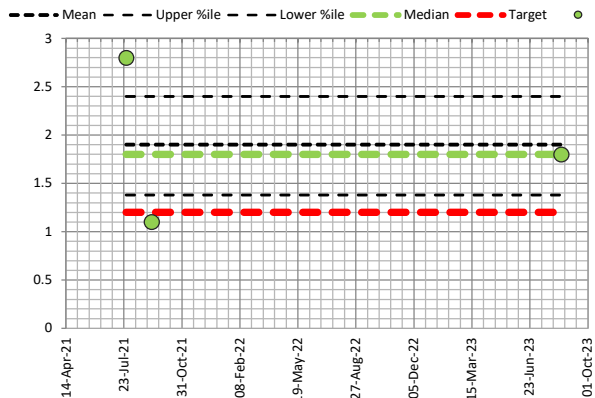
pH



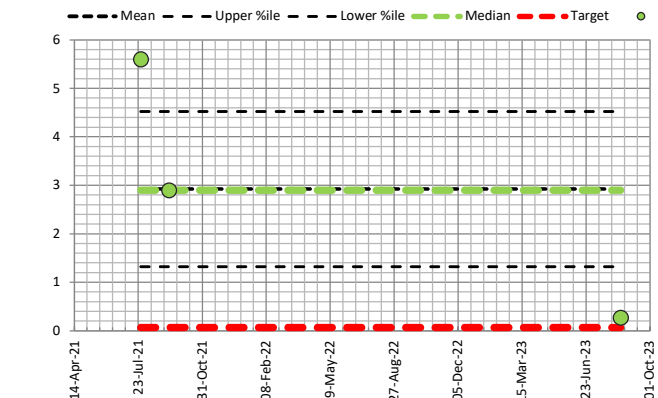
Electrical Conductivity



Total Nitrogen



Total Phosphorous

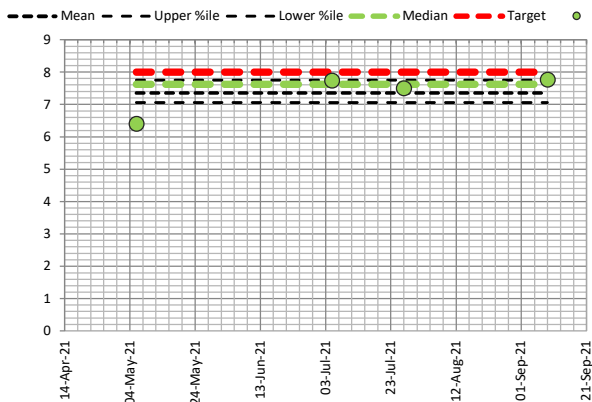


Report Date : 25/07/2025

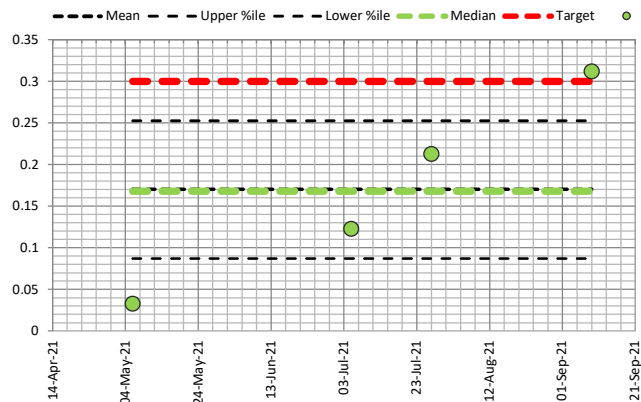
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target ANZECC 95% & Lowland Rivers	Times Exceeded
						20				80			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	3	13.60	13.800	13.967	14.10	14.160	14.200	14.200	14.200		0
EC	Electrical Conductivity	mS/cm	4	0.033	0.087	0.170	0.168	0.253	0.312	0.312	0.312	0.300	1
pH	pH	pH	4	6.40	7.06	7.35	7.62	7.75	7.77	7.77	7.77	8.00	0
DO	Dissolved Oxygen	%	3	56.30	58.94	63.93	62.90	68.72	72.60	72.60	72.60		0
TN	Total Nitrogen	mg/L	4	0.300	0.300	0.600	0.450	0.840	1.200	1.200	1.200	1.20	0
TKN	Total Kjeldhal Nitrogen	mg/L	4	0.300	0.300	0.575	0.400	0.780	1.200	1.200	1.200		0
NO3	Nitrate	mg/L	4	0.005	0.005	0.012	0.010	0.017	0.022	0.022	0.022		0
NO2	Nitrite	mg/L	4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005		0
Nox	Nox	mg/L	4	0.005	0.005	0.012	0.010	0.018	0.025	0.025	0.025	0.15	0
NH3	Ammonia	mg/L	4	0.005	0.005	0.008	0.008	0.011	0.012	0.012	0.012	0.90	0
TP	Total Phosphorous	mg/L	4	0.050	0.056	0.088	0.075	0.114	0.150	0.150	0.150	0.07	2
FRP	Filterable Reactive Phosphorous	mg/L	4	0.021	0.023	0.038	0.026	0.047	0.078	0.078	0.078	0.04	1
As	Arsenic	mg/L	4	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.02400	0
Cd	Cadmium	mg/L	4	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020	0
Cr	Chromium	mg/L	4	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0
Cu	Copper	mg/L	4	0.00100	0.00100	0.02600	0.00150	0.04120	0.10000	0.10000	0.10000	0.00140	2
Pb	Lead	mg/L	4	0.00100	0.00100	0.00150	0.00100	0.00180	0.00300	0.00300	0.00300	0.00340	0
Hg	Mercury	mg/L	4	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	4	0.00100	0.00100	0.00225	0.00100	0.00300	0.00600	0.00600	0.00600	0.01100	0
Zn	Zinc	mg/L	4	0.00400	0.00520	0.02475	0.00850	0.03780	0.07800	0.07800	0.07800	0.00800	2
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
SiO2	Silica	mg/L	0	0.00	0.00000	0.00	0.00	0.00000	0.00	0.00000	0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

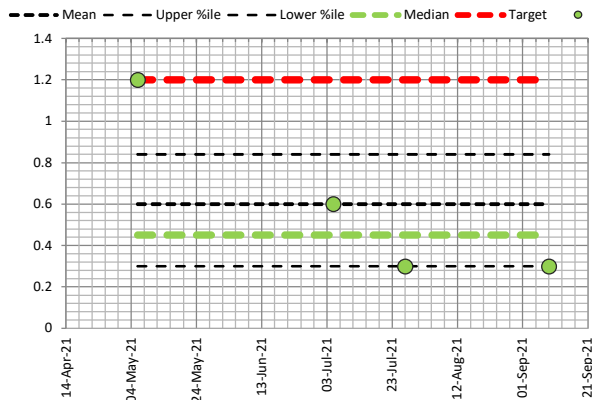
pH



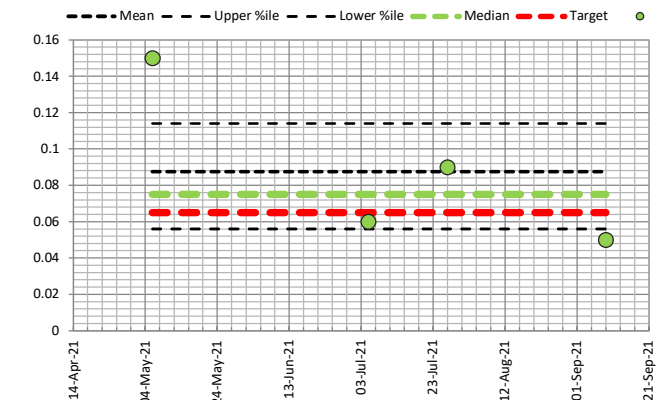
Electrical Conductivity



Total Nitrogen



Total Phosphorous

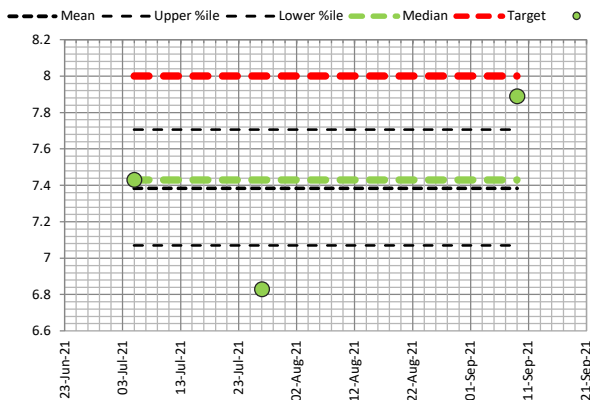


Report Date : 25/07/2025

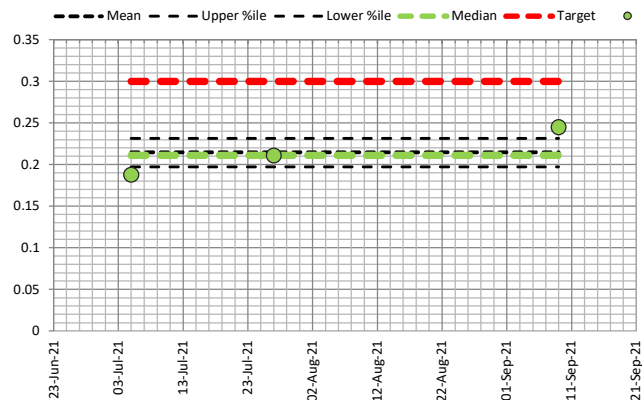
Parameter	Description	Units	Samples	Minimum	Low %ile	Mean	Median	High %ile	Maximum	Target	Times Exceeded
					20			80		ANZECC 95% & Lowland Rivers	
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	3	13.40	13.600	13.867	13.90	14.140	14.300		0
EC	Electrical Conductivity	mS/cm	3	0.188	0.197	0.215	0.211	0.231	0.245	0.300	0
pH	pH		3	6.83	7.07	7.38	7.43	7.71	7.89	8.00	0
DO	Dissolved Oxygen	%	3	61.70	65.30	72.63	70.70	79.58	85.50		0
TN	Total Nitrogen	mg/L	3	1.200	1.280	1.367	1.400	1.460	1.500	1.20	2
TKN	Total Kjeldahl Nitrogen	mg/L	3	1.200	1.280	1.367	1.400	1.460	1.500		0
NO3	Nitrate	mg/L	3	0.005	0.005	0.005	0.005	0.005	0.005		0
NO2	Nitrite	mg/L	3	0.005	0.005	0.005	0.005	0.005	0.005		0
Nox	Nox	mg/L	3	0.005	0.005	0.005	0.005	0.005	0.005	0.15	0
NH3	Ammonia	mg/L	3	0.007	0.009	0.011	0.011	0.014	0.016	0.90	0
TP	Total Phosphorous	mg/L	3	0.050	0.050	0.077	0.050	0.098	0.130	0.07	1
FRP	Filterable Reactive Phosphorous	mg/L	3	0.005	0.005	0.006	0.005	0.006	0.007	0.04	0
As	Arsenic	mg/L	3	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.02400	0
Cd	Cadmium	mg/L	3	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020	0
Cr	Chromium	mg/L	3	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0
Cu	Copper	mg/L	3	0.00100	0.00140	0.00167	0.00200	0.00200	0.00200	0.00140	2
Pb	Lead	mg/L	3	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340	0
Hg	Mercury	mg/L	3	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	3	0.00100	0.00100	0.00133	0.00100	0.00160	0.00200	0.01100	0
Zn	Zinc	mg/L	3	0.00500	0.00620	0.01267	0.00800	0.01820	0.02500	0.00800	1
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00		0
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00		0
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00		0
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00		0
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00		0
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00		0
SiO2	Silica	mg/L	0	0.00	0.00000	0.00	0.00	0.00000	0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

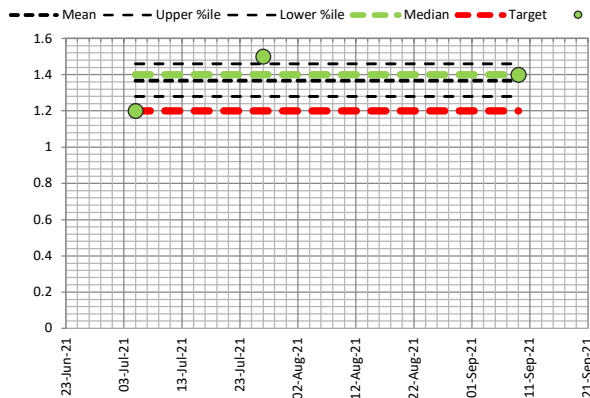
pH



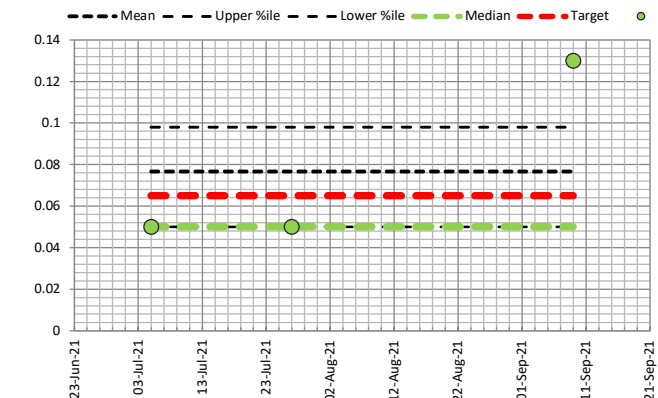
Electrical Conductivity



Total Nitrogen



Total Phosphorous

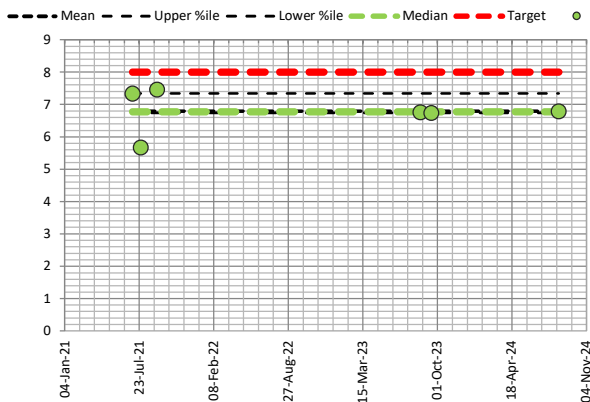


Report Date : 25/07/2025

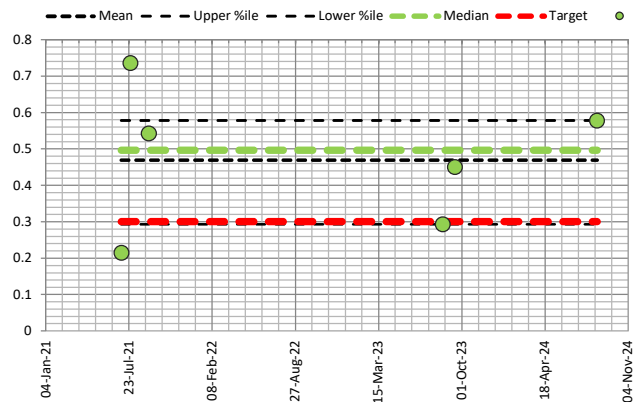
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target ANZECC 95% & Lowland Rivers	Times Exceeded
					20				80				
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00		0.00	0.00	0.00		0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00		0.00	0.00	0.00		0.00		0
T	Temperature	°C	6	12.60	14.100		15.483	15.45	17.400		17.900		0
EC	Electrical Conductivity	mS/cm	6	0.215	0.293		0.469	0.497	0.578		0.736	0.300	4
pH	pH	pH	6	5.67	6.74		6.79	6.78	7.34		7.46	8.00	0
DO	Dissolved Oxygen	%	6	37.20	54.40		80.93	62.80	73.00		195.40		0
TN	Total Nitrogen	mg/L	6	0.960	1.100		1.227	1.250	1.400		1.400	1.20	3
TKN	Total Kjeldhal Nitrogen	mg/L	6	0.940	1.000		1.123	1.100	1.200		1.400		0
NO3	Nitrate	mg/L	6	0.005	0.015		0.119	0.123	0.210		0.240		0
NO2	Nitrite	mg/L	6	0.005	0.005		0.013	0.005	0.005		0.050		0
Nox	Nox	mg/L	6	0.005	0.015		0.126	0.123	0.240		0.250	0.15	3
NH3	Ammonia	mg/L	6	0.006	0.008		0.174	0.040	0.450		0.500	0.90	0
TP	Total Phosphorous	mg/L	6	0.050	0.050		0.050	0.050	0.050		0.050	0.07	0
FRP	Filterable Reactive Phosphorous	mg/L	6	0.005	0.005		0.005	0.005	0.005		0.006	0.04	0
As	Arsenic	mg/L	6	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.02400	0
Cd	Cadmium	mg/L	6	0.00010	0.00010		0.00010	0.00010	0.00010		0.00010	0.00020	0
Cr	Chromium	mg/L	6	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.00100	0
Cu	Copper	mg/L	6	0.00100	0.00200		0.00235	0.00260	0.00290		0.00300	0.00140	5
Pb	Lead	mg/L	6	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.00340	0
Hg	Mercury	mg/L	6	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00060	0
Ni	Nickel	mg/L	6	0.00100	0.00150		0.00240	0.00175	0.00240		0.00600	0.01100	0
Zn	Zinc	mg/L	6	0.00610	0.00800		0.01835	0.01150	0.03200		0.04100	0.00800	4
Cl	Chloride	mg/L	0	0.00	0.00		0.00	0.00	0.00		0.00		0
Ca	Calcium	mg/L	3	13.00	18.60		24.67	27.00	31.20		34.00		0
Mg	Magnesium	mg/L	3	6.10	8.46		11.03	12.00	13.80		15.00		0
K	Potassium	mg/L	3	3.90	5.10		5.97	6.90	7.02		7.10		0
Na	Sodium	mg/L	3	28.00	38.00		47.67	53.00	58.40		62.00		0
H as CaCO3	Hardness as CaCO3	mg/L	3	58.00	78.80		106.00	110.00	134.00		150.00		0
SiO2	Silica	mg/L	0	0.00	0.00000		0.00	0.00	0.00000		0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

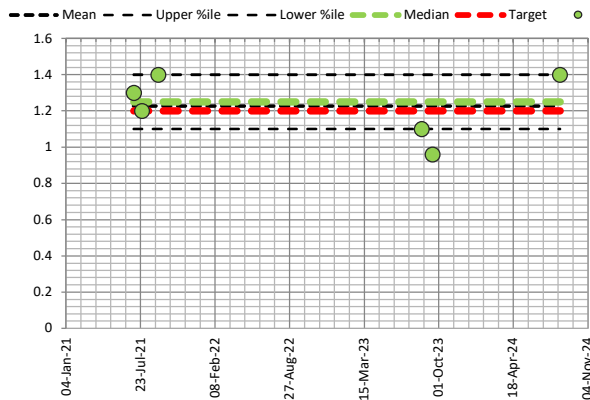
pH



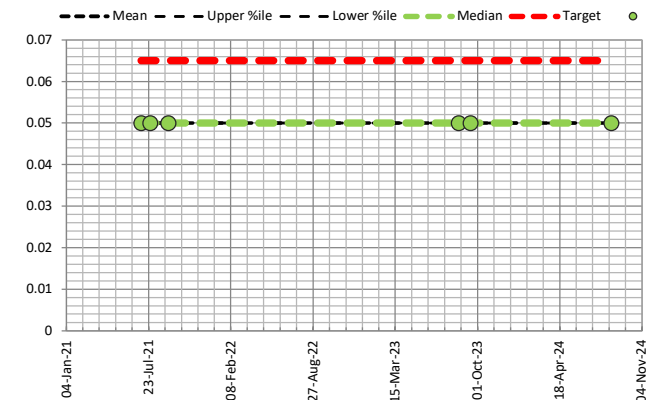
Electrical Conductivity



Total Nitrogen



Total Phosphorous



SW7 Surface Water Site 7

GBSW Drain under Brook Rd to Yule Brook (Endemic site SW3)

Easting	403756
Northing	6457110

Data Analysis Period Start Date	1/01/2009
Data Analysis Period End Date	15/07/2025

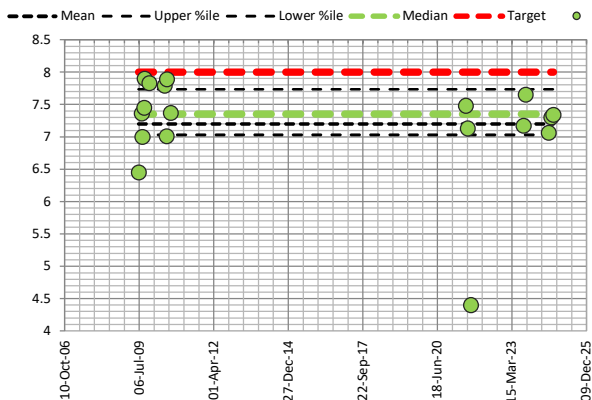


Report Date : 25/07/2025

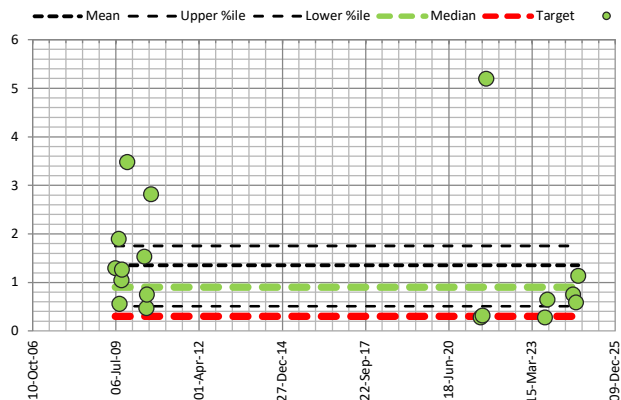
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target ANZECC 95% & Lowland Rivers	Times Exceeded
						20				80			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00		0.00	0.00	0.00		0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00		0.00	0.00	0.00		0.00		0
T	Temperature	°C	17	11.80	12.640		15.953	15.00	18.500		26.200		0
EC	Electrical Conductivity	mS/cm	18	0.278	0.510		1.352	0.903	1.754		5.200	0.300	16
pH	pH	pH	18	4.40	7.03		7.20	7.35	7.73		7.90	8.00	0
DO	Dissolved Oxygen	%	8	8.30	37.86		64.24	55.60	65.82		184.20		0
TN	Total Nitrogen	mg/L	18	1.200	1.540		2.144	1.900	2.920		3.600	1.20	17
TKN	Total Kjeldhal Nitrogen	mg/L	17	1.200	1.420		1.947	1.800	2.140		3.500		0
NO3	Nitrate	mg/L	18	0.005	0.010		0.216	0.067	0.213		1.300		0
NO2	Nitrite	mg/L	18	0.005	0.005		0.017	0.010	0.025		0.050		0
Nox	Nox	mg/L	17	0.005	0.012		0.225	0.066	0.218		1.300	0.15	7
NH3	Ammonia	mg/L	8	0.005	0.007		0.353	0.014	0.038		2.700	0.90	1
TP	Total Phosphorous	mg/L	18	0.050	0.108		0.163	0.165	0.196		0.300	0.07	17
FRP	Filterable Reactive Phosphorous	mg/L	18	0.005	0.033		0.090	0.088	0.138		0.180	0.04	13
As	Arsenic	mg/L	11	0.00100	0.00100		0.00186	0.00200	0.00220		0.00400	0.02400	0
Cd	Cadmium	mg/L	11	0.00010	0.00010		0.00012	0.00010	0.00010		0.00030	0.00020	1
Cr	Chromium	mg/L	11	0.00100	0.00100		0.00155	0.00100	0.00100		0.00600	0.00100	2
Cu	Copper	mg/L	11	0.00100	0.00200		0.00345	0.00250	0.00330		0.01300	0.00140	10
Pb	Lead	mg/L	11	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.00340	0
Hg	Mercury	mg/L	11	0.00005	0.00005		0.00006	0.00005	0.00010		0.00010	0.00060	0
Ni	Nickel	mg/L	11	0.00100	0.00110		0.00461	0.00190	0.00500		0.01900	0.01100	2
Zn	Zinc	mg/L	11	0.00470	0.00880		0.04565	0.01200	0.01900		0.36000	0.00800	9
Cl	Chloride	mg/L	0	0.00	0.00		0.00	0.00	0.00		0.00		0
Ca	Calcium	mg/L	4	18.00	33.60		39.25	44.50	47.00		50.00		0
Mg	Magnesium	mg/L	4	4.80	10.32		12.20	14.00	14.80		16.00		0
K	Potassium	mg/L	4	4.70	7.16		9.13	9.90	11.40		12.00		0
Na	Sodium	mg/L	4	25.00	49.00		63.75	67.50	80.00		95.00		0
H as CaCO3	Hardness as CaCO3	mg/L	4	65.00	128.00		148.75	170.00	178.00		190.00		0
SiO2	Silica	mg/L	0	0.00	0.00000		0.00	0.00	0.00000		0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

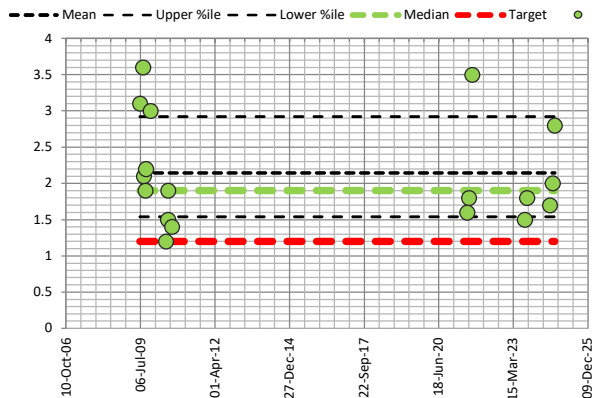
pH



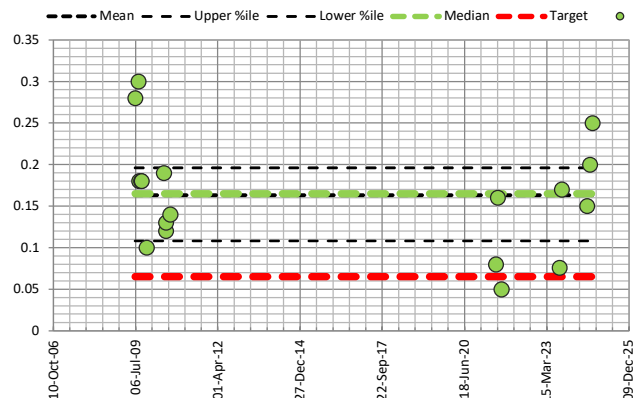
Electrical Conductivity



Total Nitrogen



Total Phosphorous



H21003 Wattle Grove South Monitoring
SW8 Surface Water Site 8
 GBSW Boundary Rd South Standing Water

Easting 404044
 Northing 6456811

Data Analysis Period Start Date 1/01/2009
 Data Analysis Period End Date 15/07/2025

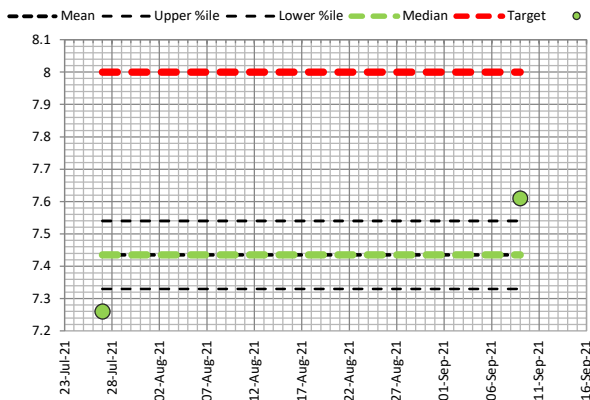


Report Date : 25/07/2025

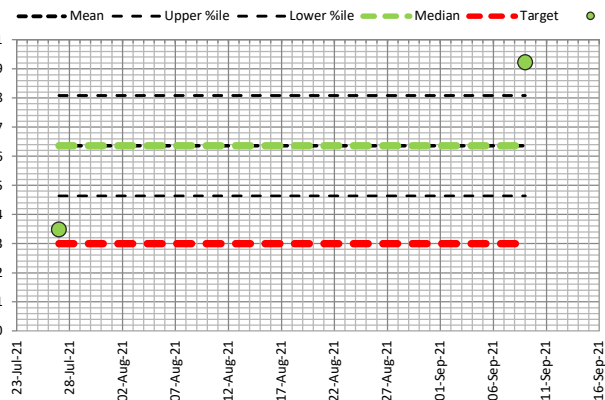
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times
					20	80			ANZECC 95% & Lowland Rivers	Exceeded			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0	
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0	
T	Temperature	°C	2	13.60	13.640	13.700	13.70	13.760	13.800			0	
EC	Electrical Conductivity	mS/cm	2	0.349	0.464	0.636	0.636	0.808	0.923	0.300		2	
pH	pH	pH	2	7.26	7.33	7.44	7.44	7.54	7.61	8.00		0	
DO	Dissolved Oxygen	%	2	56.00	56.08	56.20	56.20	56.32	56.40			0	
TN	Total Nitrogen	mg/L	2	2.000	2.220	2.550	2.550	2.880	3.100	1.20		2	
TKN	Total Kejdhal Nitrogen	mg/L	2	1.900	2.140	2.500	2.500	2.860	3.100			0	
NO3	Nitrate	mg/L	2	0.005	0.028	0.063	0.063	0.097	0.120			0	
NO2	Nitrite	mg/L	2	0.005	0.005	0.005	0.005	0.005	0.005			0	
Nox	Nox	mg/L	2	0.005	0.028	0.063	0.063	0.097	0.120	0.15		0	
NH3	Ammonia	mg/L	2	0.015	0.017	0.021	0.021	0.025	0.027	0.90		0	
TP	Total Phosphorous	mg/L	2	0.190	0.206	0.230	0.230	0.254	0.270	0.07		2	
FRP	Filterable Reactive Phosphrous	mg/L	2	0.093	0.110	0.137	0.137	0.163	0.180	0.04		2	
As	Arsenic	mg/L	2	0.00200	0.00200	0.00200	0.00200	0.00200	0.00200	0.02400		0	
Cd	Cadmium	mg/L	2	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020		0	
Cr	Chromium	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100		0	
Cu	Copper	mg/L	2	0.00200	0.00220	0.00250	0.00250	0.00280	0.00300	0.00140		2	
Pb	Lead	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340		0	
Hg	Mercury	mg/L	2	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060		0	
Ni	Nickel	mg/L	2	0.00200	0.00200	0.00200	0.00200	0.00200	0.00200	0.01100		0	
Zn	Zinc	mg/L	2	0.00990	0.01092	0.01245	0.01245	0.01398	0.01500	0.00800		2	
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00			0	
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00			0	
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00			0	
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00			0	
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00			0	
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00			0	
SiO2	Silica	mg/L	0	0.00	0.00000	0.00	0.00	0.00000	0.00			0	

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

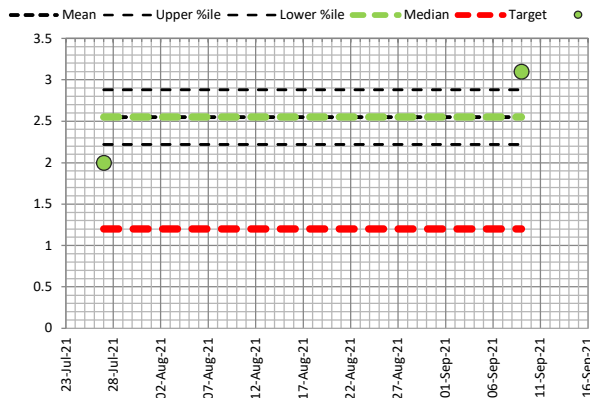
pH



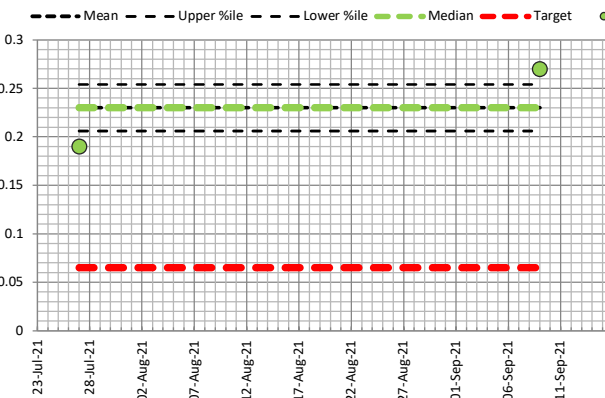
Electrical Conductivity



Total Nitrogen



Total Phosphorous



FieldDAE

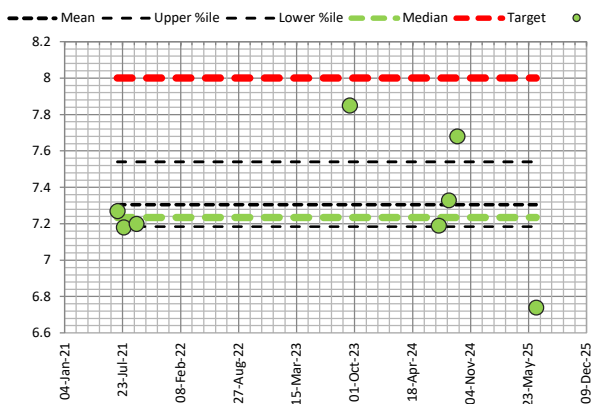
Field Data Analysis & Evaluation System

Report Date : 25/07/2025

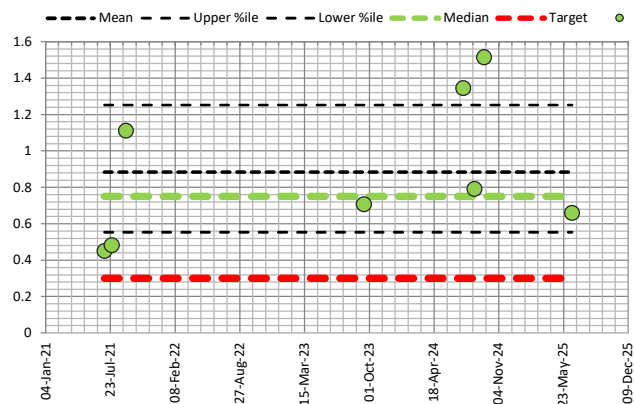
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target ANZECC 95% & Lowland Rivers	Times Exceeded
					20				80				
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00		0.00	0.00	0.00		0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00		0.00	0.00	0.00		0.00		0
T	Temperature	°C	8	13.30	13.900		16.825	16.65	18.660		22.900		0
EC	Electrical Conductivity	mS/cm	8	0.452	0.554		0.884	0.750	1.252		1.515	0.300	8
pH	pH		8	6.74	7.18		7.31	7.24	7.54		7.85	8.00	0
DO	Dissolved Oxygen	%	8	27.40	41.54		75.39	57.50	65.92		243.10		0
TN	Total Nitrogen	mg/L	8	1.700	1.940		2.675	2.400	3.120		4.900	1.20	8
TKN	Total Kjeldhal Nitrogen	mg/L	8	1.300	1.640		2.413	1.900	3.120		4.800		0
NO3	Nitrate	mg/L	8	0.005	0.016		0.264	0.165	0.320		1.100		0
NO2	Nitrite	mg/L	8	0.005	0.007		0.024	0.011	0.050		0.050		0
Nox	Nox	mg/L	8	0.005	0.015		0.279	0.195	0.354		1.100	0.15	5
NH3	Ammonia	mg/L	8	0.005	0.009		0.030	0.018	0.030		0.120	0.90	0
TP	Total Phosphorous	mg/L	8	0.180	0.218		0.250	0.235	0.298		0.320	0.07	8
FRP	Filterable Reactive Phosphorous	mg/L	8	0.099	0.114		0.166	0.155	0.188		0.320	0.04	8
As	Arsenic	mg/L	8	0.00170	0.00200		0.00229	0.00205	0.00280		0.00300	0.02400	0
Cd	Cadmium	mg/L	8	0.00010	0.00010		0.00010	0.00010	0.00010		0.00010	0.00020	0
Cr	Chromium	mg/L	8	0.00100	0.00100		0.00103	0.00100	0.00100		0.00120	0.00100	1
Cu	Copper	mg/L	8	0.00120	0.00194		0.00274	0.00255	0.00380		0.00420	0.00140	7
Pb	Lead	mg/L	8	0.00100	0.00100		0.00100	0.00100	0.00100		0.00100	0.00340	0
Hg	Mercury	mg/L	8	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00060	0
Ni	Nickel	mg/L	8	0.00100	0.00190		0.00213	0.00200	0.00262		0.00300	0.01100	0
Zn	Zinc	mg/L	8	0.00290	0.00592		0.01011	0.01100	0.01300		0.01700	0.00800	6
Cl	Chloride	mg/L	1	104.00	104.00		104.00	104.00	104.00		104.00		0
Ca	Calcium	mg/L	4	47.00	51.20		56.50	57.00	62.00		65.00		0
Mg	Magnesium	mg/L	4	10.00	13.00		16.25	16.50	19.60		22.00		0
K	Potassium	mg/L	4	9.00	10.80		12.25	12.50	13.80		15.00		0
Na	Sodium	mg/L	4	64.00	69.40		104.25	76.50	128.00		200.00		0
H as CaCO3	Hardness as CaCO3	mg/L	4	160.00	196.00		207.50	220.00	224.00		230.00		0
SiO2	Silica	mg/L	1	16.00	16.00000		16.00	16.00	16.00000		16.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

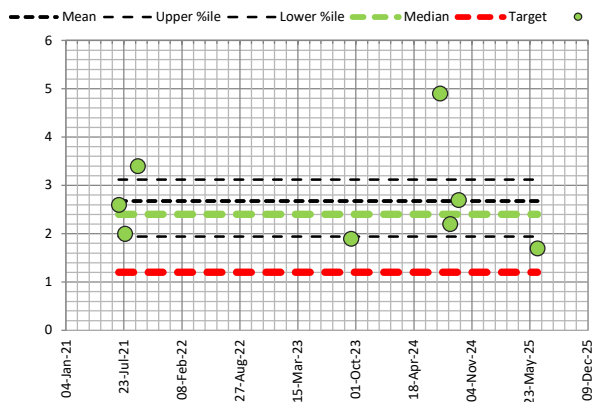
pH



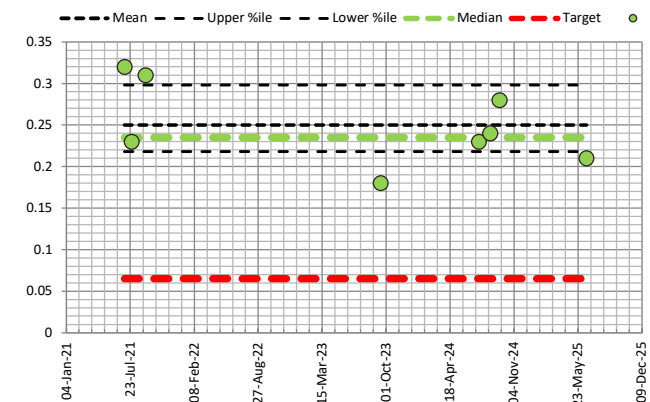
Electrical Conductivity



Total Nitrogen



Total Phosphorous



APPENDIX H

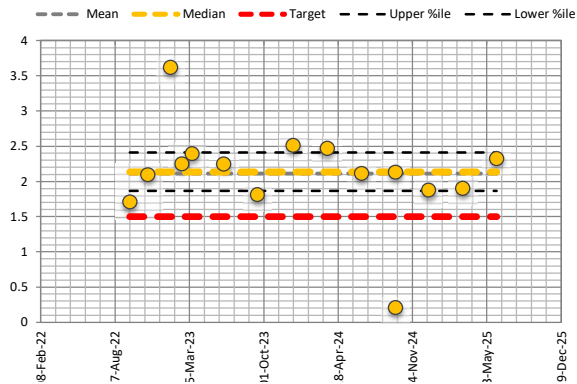
Aggregated Monitoring Data Summary Sheets

Report Date : 25/07/2025

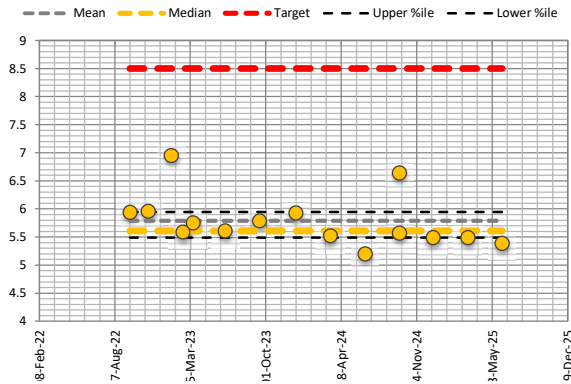
Parameter	Description	Units	Samples	Minimum	Low %ile		High %ile		Maximum	Target	Times
					20	Mean	Median	80		ANZECC 95% & Wetlands	Exceeded
GWL bToC	Groundwater Level	mBToC	183	0.88	2.51	3.60	3.51	4.97	5.91		0
GWL mAHD	Groundwater Level	mAHD	183	19.78	20.04	23.22	22.50	27.45	29.34		0
T	Temperature	°C	15	18.20	20.04	24.740	24.300	27.800	36.300		0
EC	Electrical Conductivity	mS/cm	15	0.21	1.87	2.112	2.133	2.411	3.622	1.500	14
pH	pH	pH	15	5.20	5.49	5.79	5.61	5.94	6.95	8.50	0
DO	Dissolved Oxygen	%	14	-0.20	15.90	23.13	22.45	33.18	38.80		0
TN	Total Nitrogen	mg/L	13	0.19	0.26	1.86	0.33	1.42	14.00	1.50	2
TKN	Total Kejdhal Nitrogen	mg/L	13	0.16	0.16	1.37	0.24	0.34	14.00		0
NO3	Nitrate	mg/L	14	0.01	0.01	0.44	0.03	0.50	3.30		0
NO2	Nitrite	mg/L	14	0.01	0.01	0.01	0.01	0.01	0.01		0
Nox	Nox	mg/L	13	0.005	0.011	0.475	0.043	0.660	3.300	0.10	6
NH3	Ammonia	mg/L	14	0.01	0.01	0.05	0.01	0.06	0.32	0.90	0
TP	Total Phosphorous	mg/L	13	0.01	0.05	0.06	0.05	0.05	0.25	0.06	1
FRP	Filterable Reactive Phosphrous	mg/L	14	0.01	0.01	0.01	0.01	0.01	0.07	0.03	1
As	Arsenic	mg/L	14	0.00100	0.00100	0.00101	0.00100	0.00100	0.00110	0.02400	0
Cd	Cadmium	mg/L	13	0.00010	0.00010	0.00016	0.00010	0.00010	0.00082	0.00020	1
Cr	Chromium	mg/L	13	0.00100	0.00100	0.00125	0.00100	0.00100	0.00420	0.00100	1
Cu	Copper	mg/L	13	0.00100	0.00100	0.00108	0.00100	0.00100	0.00200	0.00140	1
Pb	Lead	mg/L	13	0.00100	0.00100	0.00111	0.00100	0.00100	0.00180	0.00340	0
Hg	Mercury	mg/L	13	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	13	0.00100	0.00120	0.00166	0.00130	0.00194	0.00380	0.01100	0
Zn	Zinc	mg/L	13	0.00130	0.00200	0.00748	0.00300	0.00624	0.04700	0.00800	2
Cl	Chloride	mg/L	3	480.00	504.00	573.33	540.00	636.00	700.00		0
Ca	Calcium	mg/L	12	27.00	35.20	40.50	38.50	44.40	58.00		0
Mg	Magnesium	mg/L	12	53.00	53.20	57.33	55.50	60.80	67.00		0
K	Potassium	mg/L	12	7.50	9.72	10.53	10.50	11.80	13.00		0
Na	Sodium	mg/L	12	260.00	270.00	284.17	285.00	298.00	310.00		0
H as CaCO3	Hardness as CaCO3	mg/L	12	280.00	312.00	337.50	330.00	358.00	420.00		0
SiO2	Silica	mg/L	2	7.00	7.40	8.00	8.00	8.60	9.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

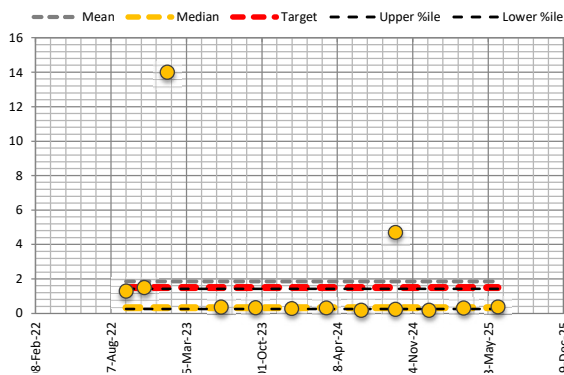
Electrical Conductivity



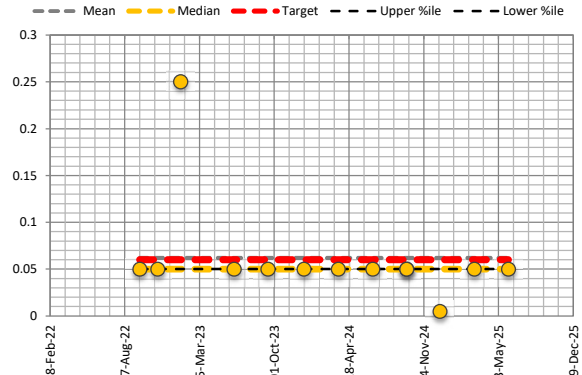
pH



Total Nitrogen



Total Phosphorous

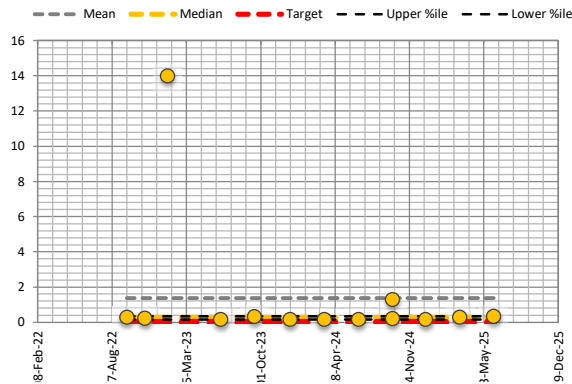


Report Date : 25/07/2025

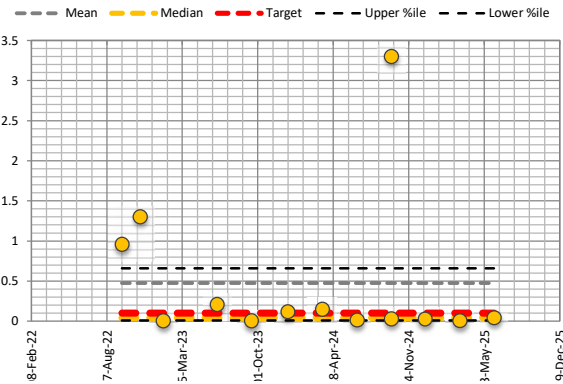
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20				80				
GWL bToC	Groundwater Level	mBToC	183	0.88	2.51		3.60	3.51	4.97		5.91		0
GWL mAHD	Groundwater Level	mAHD	183	19.78	20.04		23.22	22.50	27.45		29.34		0
T	Temperature	°C	15	18.20	20.04		24.740	24.300	27.800		36.300		0
EC	Electrical Conductivity	mS/cm	15	0.21	1.87		2.112	2.133	2.411		3.622	1.500	14
pH	pH	pH	15	5.20	5.49		5.79	5.61	5.94		6.95	8.50	0
DO	Dissolved Oxygen	%	14	-0.20	15.90		23.13	22.45	33.18		38.80		0
TN	Total Nitrogen	mg/L	13	0.19	0.26		1.86	0.33	1.42		14.00	1.50	2
TKN	Total Kjeldhal Nitrogen	mg/L	13	0.16	0.16		1.37	0.24	0.34		14.00		0
NO3	Nitrate	mg/L	14	0.01	0.01		0.44	0.03	0.50		3.30		0
NO2	Nitrite	mg/L	14	0.01	0.01		0.01	0.01	0.01		0.01		0
Nox	Nox	mg/L	13	0.005	0.011		0.475	0.043	0.660		3.300	0.10	6
NH3	Ammonia	mg/L	14	0.01	0.01		0.05	0.01	0.06		0.32	0.90	0
TP	Total Phosphorous	mg/L	13	0.01	0.05		0.06	0.05	0.05		0.25	0.06	1
FRP	Filterable Reactive Phosphorous	mg/L	14	0.01	0.01		0.01	0.01	0.01		0.07	0.03	1
As	Arsenic	mg/L	14	0.00100	0.00100		0.00101	0.00100	0.00100		0.00110	0.02400	0
Cd	Cadmium	mg/L	13	0.00010	0.00010		0.00016	0.00010	0.00010		0.00082	0.00020	1
Cr	Chromium	mg/L	13	0.00100	0.00100		0.00125	0.00100	0.00100		0.00420	0.00100	1
Cu	Copper	mg/L	13	0.00100	0.00100		0.00108	0.00100	0.00100		0.00200	0.00140	1
Pb	Lead	mg/L	13	0.00100	0.00100		0.00111	0.00100	0.00100		0.00180	0.00340	0
Hg	Mercury	mg/L	13	0.00005	0.00005		0.00005	0.00005	0.00005		0.00005	0.00060	0
Ni	Nickel	mg/L	13	0.00100	0.00120		0.00166	0.00130	0.00194		0.00380	0.01100	0
Zn	Zinc	mg/L	13	0.00130	0.00200		0.00748	0.00300	0.00624		0.04700	0.00800	2
Cl	Chloride	mg/L	3	480.00	504.00		573.33	540.00	636.00		700.00		0
Ca	Calcium	mg/L	12	27.00	35.20		40.50	38.50	44.40		58.00		0
Mg	Magnesium	mg/L	12	53.00	53.20		57.33	55.50	60.80		67.00		0
K	Potassium	mg/L	12	7.50	9.72		10.53	10.50	11.80		13.00		0
Na	Sodium	mg/L	12	260.00	270.00		284.17	285.00	298.00		310.00		0
H as CaCO3	Hardness as CaCO3	mg/L	12	280.00	312.00		337.50	330.00	358.00		420.00		0
SiO2	Silica	mg/L	2	7.00	7.40		8.00	8.00	8.60		9.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

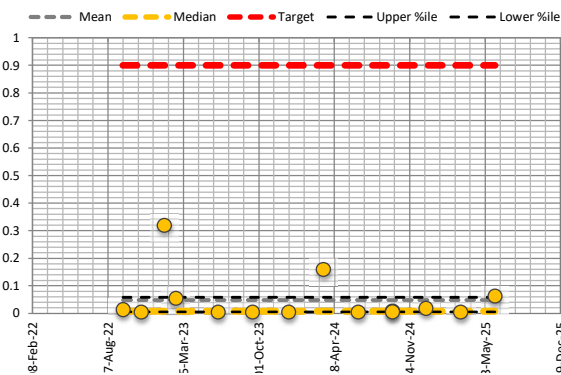
Total Kjeldhal Nitrogen



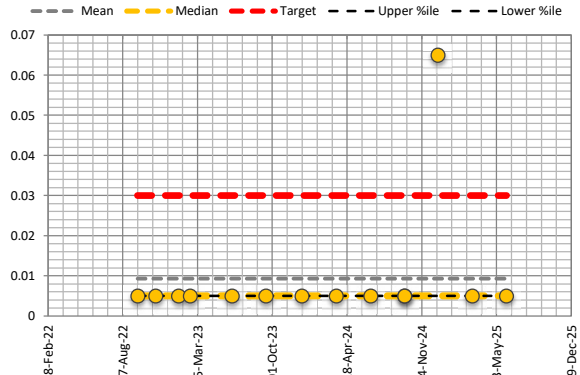
Nox



Ammonia



Filterable Reactive Phosphorous

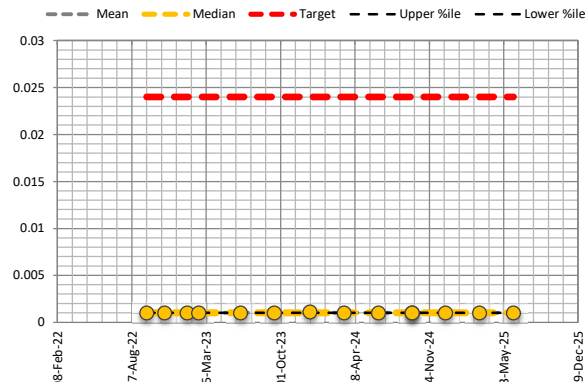


Report Date : 25/07/2025

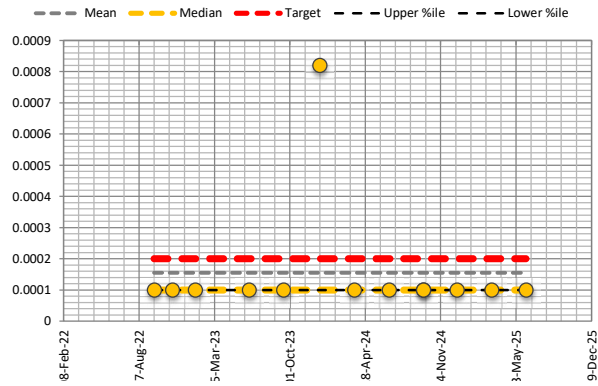
Parameter	Description	Units	Samples	Minimum	Low %ile		High %ile		Maximum	Target	Times
					20	Mean	Median	80		ANZECC 95% Wetlands	Exceeded
GWL bToC	Groundwater Level	mBToC	183	0.88	2.51	3.60	3.51	4.97	5.91		0
GWL mAHD	Groundwater Level	mAHD	183	19.78	20.04	23.22	22.50	27.45	29.34		0
T	Temperature	°C	15	18.20	20.04	24.740	24.300	27.800	36.300		0
EC	Electrical Conductivity	mS/cm	15	0.21	1.87	2.112	2.133	2.411	3.622	1.500	14
pH	pH	pH	15	5.20	5.49	5.79	5.61	5.94	6.95	8.50	0
DO	Dissolved Oxygen	%	14	-0.20	15.90	23.13	22.45	33.18	38.80		0
TN	Total Nitrogen	mg/L	13	0.19	0.26	1.86	0.33	1.42	14.00	1.50	2
TKN	Total Kejdhal Nitrogen	mg/L	13	0.16	0.16	1.37	0.24	0.34	14.00		0
NO3	Nitrate	mg/L	14	0.01	0.01	0.44	0.03	0.50	3.30		0
NO2	Nitrite	mg/L	14	0.01	0.01	0.01	0.01	0.01	0.01		0
Nox	Nox	mg/L	13	0.005	0.011	0.475	0.043	0.660	3.300	0.10	6
NH3	Ammonia	mg/L	14	0.01	0.01	0.05	0.01	0.06	0.32	0.90	0
TP	Total Phosphorous	mg/L	13	0.01	0.05	0.06	0.05	0.05	0.25	0.06	1
FRP	Filterable Reactive Phosphrous	mg/L	14	0.01	0.01	0.01	0.01	0.01	0.07	0.03	1
As	Arsenic	mg/L	14	0.00100	0.00100	0.00101	0.00100	0.00100	0.00110	0.02400	0
Cd	Cadmium	mg/L	13	0.00010	0.00010	0.00016	0.00010	0.00010	0.00082	0.00020	1
Cr	Chromium	mg/L	13	0.00100	0.00100	0.00125	0.00100	0.00100	0.00420	0.00100	1
Cu	Copper	mg/L	13	0.00100	0.00100	0.00108	0.00100	0.00100	0.00200	0.00140	1
Pb	Lead	mg/L	13	0.00100	0.00100	0.00111	0.00100	0.00100	0.00180	0.00340	0
Hg	Mercury	mg/L	13	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	13	0.00100	0.00120	0.00166	0.00130	0.00194	0.00380	0.01100	0
Zn	Zinc	mg/L	13	0.00130	0.00200	0.00748	0.00300	0.00624	0.04700	0.00800	2
Cl	Chloride	mg/L	3	480.00	504.00	573.33	540.00	636.00	700.00		0
Ca	Calcium	mg/L	12	27.00	35.20	40.50	38.50	44.40	58.00		0
Mg	Magnesium	mg/L	12	53.00	53.20	57.33	55.50	60.80	67.00		0
K	Potassium	mg/L	12	7.50	9.72	10.53	10.50	11.80	13.00		0
Na	Sodium	mg/L	12	260.00	270.00	284.17	285.00	298.00	310.00		0
H as CaCO3	Hardness as CaCO3	mg/L	12	280.00	312.00	337.50	330.00	358.00	420.00		0
SiO2	Silica	mg/L	2	7.00	7.40	8.00	8.00	8.60	9.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

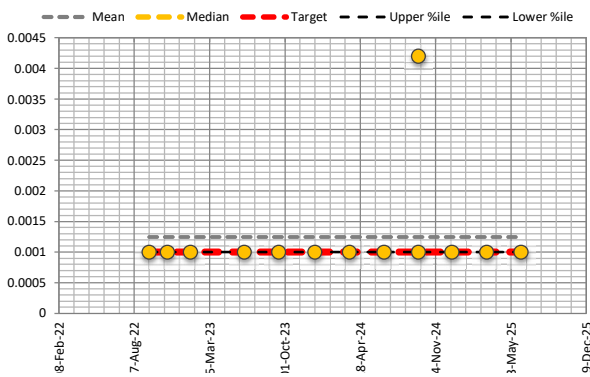
Arsenic



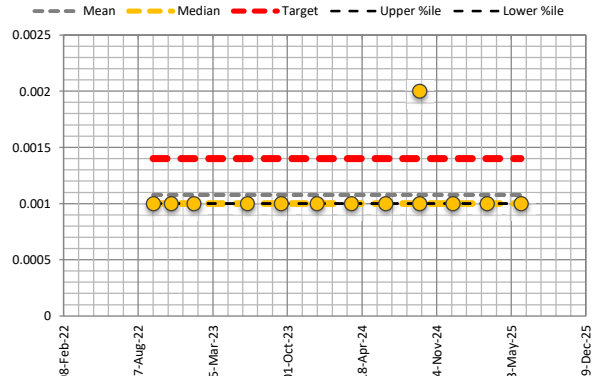
Cadmium



Chromium



Copper

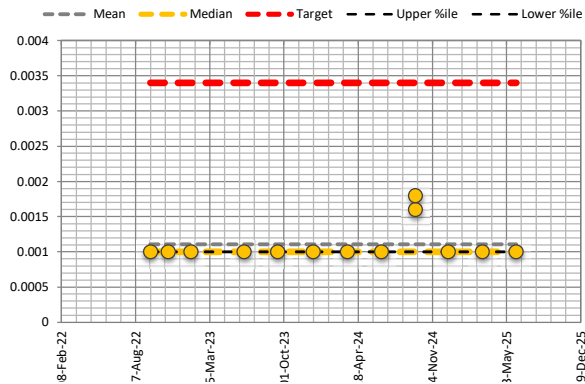


Report Date : 25/07/2025

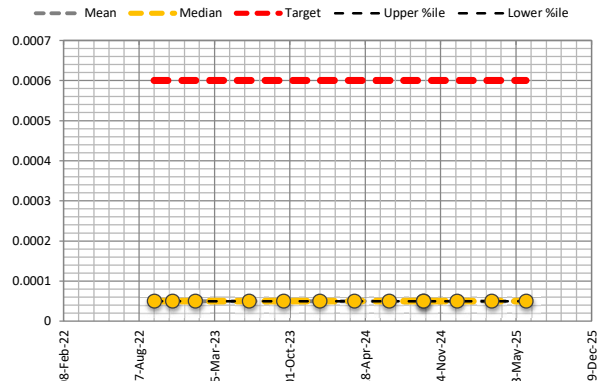
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			ANZECC 95% & Wetlands				
GWL bToC	Groundwater Level	mBToC	183	0.88	2.51	3.60	3.51	4.97	5.91			0	
GWL mAHD	Groundwater Level	mAHD	183	19.78	20.04	23.22	22.50	27.45	29.34			0	
T	Temperature	°C	15	18.20	20.04	24.740	24.300	27.800	36.300			0	
EC	Electrical Conductivity	mS/cm	15	0.21	1.87	2.112	2.133	2.411	3.622	1.500		14	
pH	pH	pH	15	5.20	5.49	5.79	5.61	5.94	6.95	8.50		0	
DO	Dissolved Oxygen	%	14	-0.20	15.90	23.13	22.45	33.18	38.80			0	
TN	Total Nitrogen	mg/L	13	0.19	0.26	1.86	0.33	1.42	14.00	1.50		2	
TKN	Total Kejdhal Nitrogen	mg/L	13	0.16	0.16	1.37	0.24	0.34	14.00			0	
NO3	Nitrate	mg/L	14	0.01	0.01	0.44	0.03	0.50	3.30			0	
NO2	Nitrite	mg/L	14	0.01	0.01	0.01	0.01	0.01	0.01			0	
Nox	Nox	mg/L	13	0.005	0.011	0.475	0.043	0.660	3.300	0.10		6	
NH3	Ammonia	mg/L	14	0.01	0.01	0.05	0.01	0.06	0.32	0.90		0	
TP	Total Phosphorous	mg/L	13	0.01	0.05	0.06	0.05	0.05	0.25	0.06		1	
FRP	Filterable Reactive Phosphrous	mg/L	14	0.01	0.01	0.01	0.01	0.01	0.07	0.03		1	
As	Arsenic	mg/L	14	0.00100	0.00100	0.00101	0.00100	0.00100	0.00110	0.02400		0	
Cd	Cadmium	mg/L	13	0.00010	0.00010	0.00016	0.00010	0.00010	0.00082	0.00020		1	
Cr	Chromium	mg/L	13	0.00100	0.00100	0.00125	0.00100	0.00100	0.00420	0.00100		1	
Cu	Copper	mg/L	13	0.00100	0.00100	0.00108	0.00100	0.00100	0.00200	0.00140		1	
Pb	Lead	mg/L	13	0.00100	0.00100	0.00111	0.00100	0.00100	0.00180	0.00340		0	
Hg	Mercury	mg/L	13	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060		0	
Ni	Nickel	mg/L	13	0.00100	0.00120	0.00166	0.00130	0.00194	0.00380	0.01100		0	
Zn	Zinc	mg/L	13	0.00130	0.00200	0.00748	0.00300	0.00624	0.04700	0.00800		2	
Cl	Chloride	mg/L	3	480.00	504.00	573.33	540.00	636.00	700.00			0	
Ca	Calcium	mg/L	12	27.00	35.20	40.50	38.50	44.40	58.00			0	
Mg	Magnesium	mg/L	12	53.00	53.20	57.33	55.50	60.80	67.00			0	
K	Potassium	mg/L	12	7.50	9.72	10.53	10.50	11.80	13.00			0	
Na	Sodium	mg/L	12	260.00	270.00	284.17	285.00	298.00	310.00			0	
H as CaCO3	Hardness as CaCO3	mg/L	12	280.00	312.00	337.50	330.00	358.00	420.00			0	
SiO2	Silica	mg/L	2	7.00	7.40	8.00	8.00	8.60	9.00			0	

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

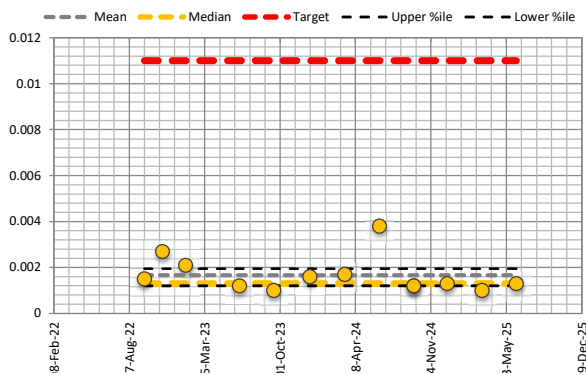
Lead



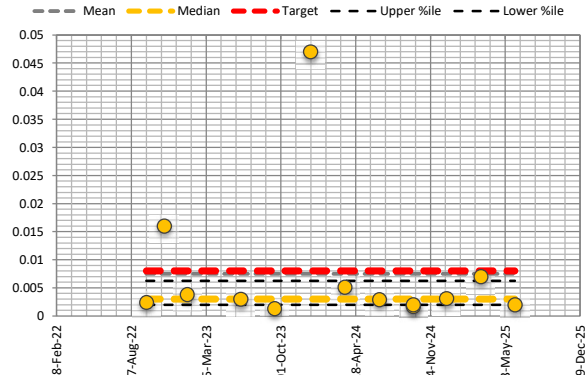
Mercury



Nickel



Zinc

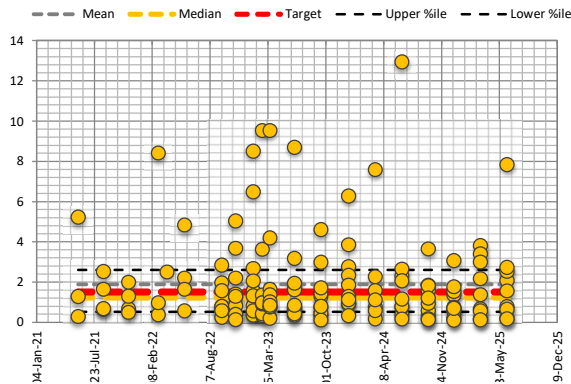


Report Date : 25/07/2025

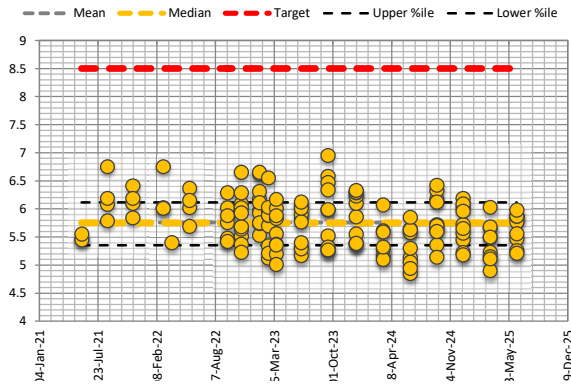
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	419	3.94	6.62	10.55	9.02	15.49	19.70					0
GWL mAHD	Groundwater Level	mAHD	419	14.50	15.76	16.66	16.52	17.55	19.68					0
T	Temperature	°C	147	15.30	19.22	22.713	22.300	25.760	33.300					0
EC	Electrical Conductivity	mS/cm	148	0.10	0.52	1.881	1.242	2.599	12.939	1.500				61
pH	pH	pH	149	4.85	5.35	5.76	5.75	6.11	6.95	8.50				0
DO	Dissolved Oxygen	%	140	1.30	18.76	37.61	32.60	56.99	89.50					0
TN	Total Nitrogen	mg/L	140	0.23	1.10	5.57	3.50	5.84	52.00	1.50				100
TKN	Total Kjeldhal Nitrogen	mg/L	140	0.10	0.42	1.59	0.84	2.14	13.00					0
NO3	Nitrate	mg/L	149	0.01	0.02	4.07	2.20	4.48	44.00					0
NO2	Nitrite	mg/L	140	0.01	0.01	0.01	0.01	0.01	0.10					0
Nox	Nox	mg/L	140	0.005	0.025	4.012	2.200	4.640	44.000	0.10				100
NH3	Ammonia	mg/L	149	0.01	0.01	0.17	0.01	0.07	3.40	0.90				9
TP	Total Phosphorous	mg/L	140	0.01	0.05	0.26	0.05	0.15	4.00	0.06				49
FRP	Filterable Reactive Phosphorous	mg/L	149	0.01	0.01	0.16	0.01	0.02	4.60	0.03				26
As	Arsenic	mg/L	149	0.00100	0.00100	0.00127	0.00100	0.00114	0.00580	0.02400				0
Cd	Cadmium	mg/L	140	0.00010	0.00010	0.00010	0.00010	0.00010	0.00045	0.00020				1
Cr	Chromium	mg/L	140	0.00100	0.00100	0.00141	0.00100	0.00100	0.01300	0.00100				23
Cu	Copper	mg/L	140	0.00100	0.00100	0.00219	0.00100	0.00230	0.01900	0.00140				47
Pb	Lead	mg/L	140	0.00100	0.00100	0.00356	0.00100	0.00214	0.06000	0.00340				22
Hg	Mercury	mg/L	140	0.00005	0.00005	0.00006	0.00005	0.00005	0.00070	0.00060				1
Ni	Nickel	mg/L	140	0.00100	0.00118	0.00435	0.00285	0.00550	0.09600	0.01100				6
Zn	Zinc	mg/L	140	0.00100	0.00230	0.01004	0.00680	0.01500	0.06100	0.00800				59
Cl	Chloride	mg/L	33	0.10	16.80	509.54	200.00	960.00	3100.00					0
Ca	Calcium	mg/L	120	0.05	3.56	24.93	9.05	45.20	190.00					0
Mg	Magnesium	mg/L	120	1.20	10.58	48.33	31.00	77.60	330.00					0
K	Potassium	mg/L	120	1.30	3.70	11.21	8.90	14.00	56.00					0
Na	Sodium	mg/L	120	12.00	63.00	260.26	120.00	332.00	2200.00					0
H as CaCO3	Hardness as CaCO3	mg/L	120	6.00	52.60	261.26	170.00	444.00	1800.00					0
SiO2	Silica	mg/L	18	11.00	13.80	26.78	25.50	38.20	54.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

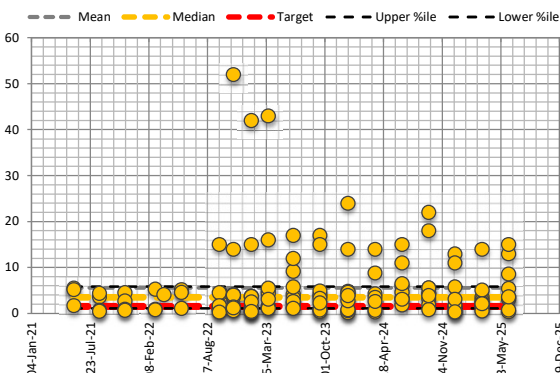
Electrical Conductivity



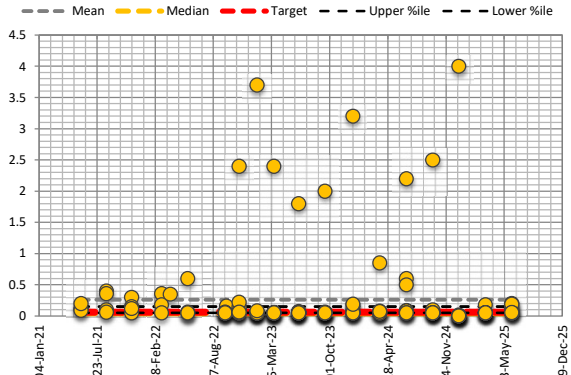
pH



Total Nitrogen



Total Phosphorous

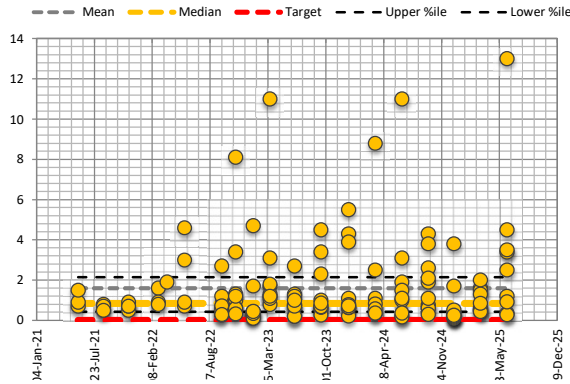


Report Date : 25/07/2025

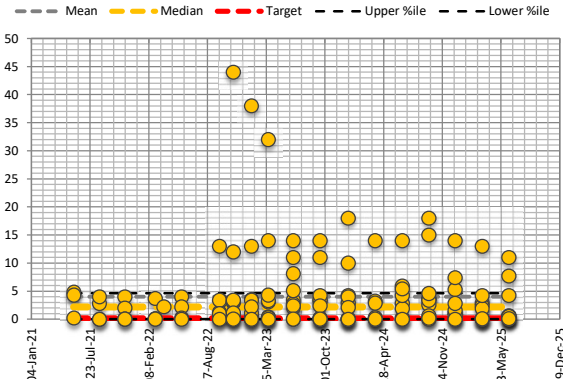
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80			20	80				
GWL bToC	Groundwater Level	mBToC	419	3.94	6.62	10.55	9.02	15.49	19.70					0
GWL mAHD	Groundwater Level	mAHD	419	14.50	15.76	16.66	16.52	17.55	19.68					0
T	Temperature	°C	147	15.30	19.22	22.713	22.300	25.760	33.300					0
EC	Electrical Conductivity	mS/cm	148	0.10	0.52	1.881	1.242	2.599	12.939			1.500		61
pH	pH	pH	149	4.85	5.35	5.76	5.75	6.11	6.95			8.50		0
DO	Dissolved Oxygen	%	140	1.30	18.76	37.61	32.60	56.99	89.50					0
TN	Total Nitrogen	mg/L	140	0.23	1.10	5.57	3.50	5.84	52.00			1.50		100
TKN	Total Kjeldhal Nitrogen	mg/L	140	0.10	0.42	1.59	0.84	2.14	13.00					0
NO3	Nitrate	mg/L	149	0.01	0.02	4.07	2.20	4.48	44.00					0
NO2	Nitrite	mg/L	140	0.01	0.01	0.01	0.01	0.01	0.10					0
Nox	Nox	mg/L	140	0.005	0.025	4.012	2.200	4.640	44.000			0.10		100
NH3	Ammonia	mg/L	149	0.01	0.01	0.17	0.01	0.07	3.40			0.90		9
TP	Total Phosphorous	mg/L	140	0.01	0.05	0.26	0.05	0.15	4.00			0.06		49
FRP	Filterable Reactive Phosphorous	mg/L	149	0.01	0.01	0.16	0.01	0.02	4.60			0.03		26
As	Arsenic	mg/L	149	0.00100	0.00100	0.00127	0.00100	0.00114	0.00580			0.02400		0
Cd	Cadmium	mg/L	140	0.00010	0.00010	0.00010	0.00010	0.00010	0.00045			0.00020		1
Cr	Chromium	mg/L	140	0.00100	0.00100	0.00141	0.00100	0.00100	0.01300			0.00100		23
Cu	Copper	mg/L	140	0.00100	0.00100	0.00219	0.00100	0.00230	0.01900			0.00140		47
Pb	Lead	mg/L	140	0.00100	0.00100	0.00356	0.00100	0.00214	0.06000			0.00340		22
Hg	Mercury	mg/L	140	0.00005	0.00005	0.00006	0.00005	0.00005	0.00070			0.00060		1
Ni	Nickel	mg/L	140	0.00100	0.00118	0.00435	0.00285	0.00550	0.09600			0.01100		6
Zn	Zinc	mg/L	140	0.00100	0.00230	0.01004	0.00680	0.01500	0.06100			0.00800		59
Cl	Chloride	mg/L	33	0.10	16.80	509.54	200.00	960.00	3100.00					0
Ca	Calcium	mg/L	120	0.05	3.56	24.93	9.05	45.20	190.00					0
Mg	Magnesium	mg/L	120	1.20	10.58	48.33	31.00	77.60	330.00					0
K	Potassium	mg/L	120	1.30	3.70	11.21	8.90	14.00	56.00					0
Na	Sodium	mg/L	120	12.00	63.00	260.26	120.00	332.00	2200.00					0
H as CaCO3	Hardness as CaCO3	mg/L	120	6.00	52.60	261.26	170.00	444.00	1800.00					0
SiO2	Silica	mg/L	18	11.00	13.80	26.78	25.50	38.20	54.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

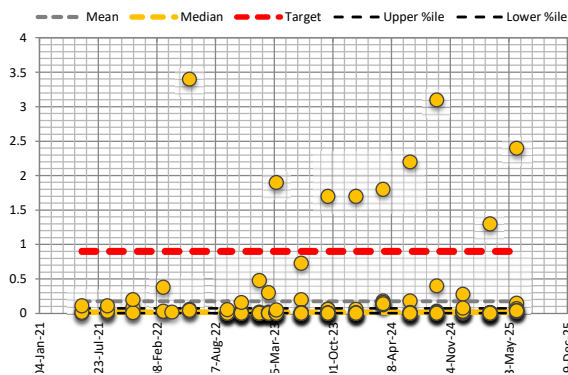
Total Kjeldhal Nitrogen



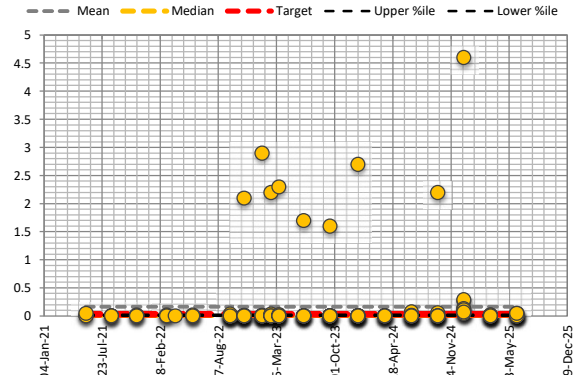
Nox



Ammonia



Filterable Reactive Phosphorous

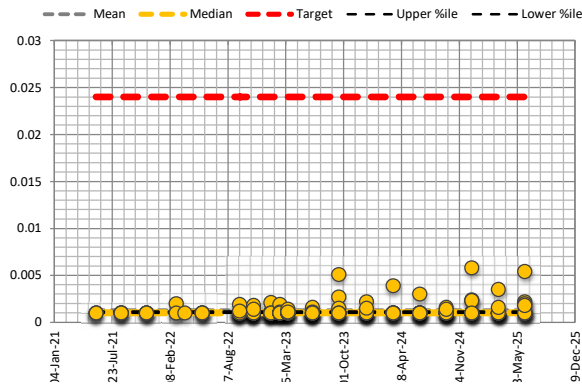


Report Date : 25/07/2025

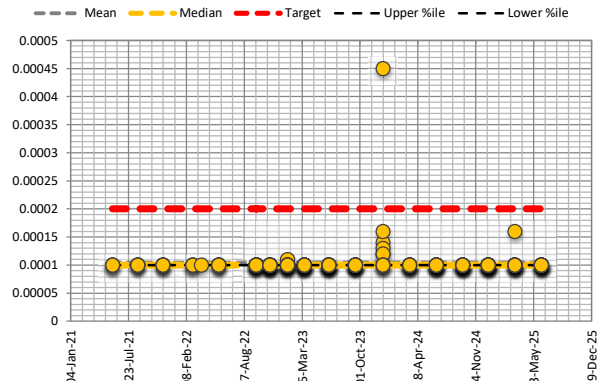
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80			20	80				
GWL bToC	Groundwater Level	mBToC	419	3.94	6.62	10.55	9.02	15.49	19.70					0
GWL mAHD	Groundwater Level	mAHD	419	14.50	15.76	16.66	16.52	17.55	19.68					0
T	Temperature	°C	147	15.30	19.22	22.713	22.300	25.760	33.300					0
EC	Electrical Conductivity	mS/cm	148	0.10	0.52	1.881	1.242	2.599	12.939	1.500				61
pH	pH	pH	149	4.85	5.35	5.76	5.75	6.11	6.95	8.50				0
DO	Dissolved Oxygen	%	140	1.30	18.76	37.61	32.60	56.99	89.50					0
TN	Total Nitrogen	mg/L	140	0.23	1.10	5.57	3.50	5.84	52.00	1.50				100
TKN	Total Kjeldhal Nitrogen	mg/L	140	0.10	0.42	1.59	0.84	2.14	13.00					0
NO3	Nitrate	mg/L	149	0.01	0.02	4.07	2.20	4.48	44.00					0
NO2	Nitrite	mg/L	140	0.01	0.01	0.01	0.01	0.01	0.10					0
Nox	Nox	mg/L	140	0.005	0.025	4.012	2.200	4.640	44.000	0.10				100
NH3	Ammonia	mg/L	149	0.01	0.01	0.17	0.01	0.07	3.40	0.90				9
TP	Total Phosphorous	mg/L	140	0.01	0.05	0.26	0.05	0.15	4.00	0.06				49
FRP	Filterable Reactive Phosphorus	mg/L	149	0.01	0.01	0.16	0.01	0.02	4.60	0.03				26
As	Arsenic	mg/L	149	0.00100	0.00100	0.00127	0.00100	0.00114	0.00580	0.02400				0
Cd	Cadmium	mg/L	140	0.00010	0.00010	0.00010	0.00010	0.00010	0.00045	0.00020				1
Cr	Chromium	mg/L	140	0.00100	0.00100	0.00141	0.00100	0.00100	0.01300	0.00100				23
Cu	Copper	mg/L	140	0.00100	0.00100	0.00219	0.00100	0.00230	0.01900	0.00140				47
Pb	Lead	mg/L	140	0.00100	0.00100	0.00356	0.00100	0.00214	0.06000	0.00340				22
Hg	Mercury	mg/L	140	0.00005	0.00005	0.00006	0.00005	0.00005	0.00070	0.00060				1
Ni	Nickel	mg/L	140	0.00100	0.00118	0.00435	0.00285	0.00550	0.09600	0.01100				6
Zn	Zinc	mg/L	140	0.00100	0.00230	0.01004	0.00680	0.01500	0.06100	0.00800				59
Cl	Chloride	mg/L	33	0.10	16.80	509.54	200.00	960.00	3100.00					0
Ca	Calcium	mg/L	120	0.05	3.56	24.93	9.05	45.20	190.00					0
Mg	Magnesium	mg/L	120	1.20	10.58	48.33	31.00	77.60	330.00					0
K	Potassium	mg/L	120	1.30	3.70	11.21	8.90	14.00	56.00					0
Na	Sodium	mg/L	120	12.00	63.00	260.26	120.00	332.00	2200.00					0
H as CaCO3	Hardness as CaCO3	mg/L	120	6.00	52.60	261.26	170.00	444.00	1800.00					0
SiO2	Silica	mg/L	18	11.00	13.80	26.78	25.50	38.20	54.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

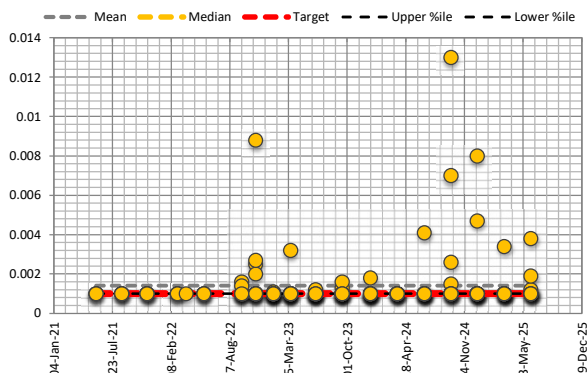
Arsenic



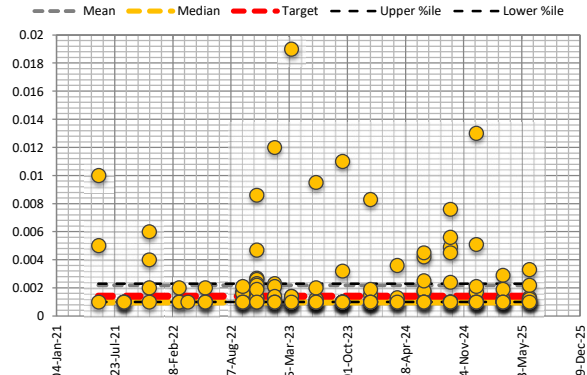
Cadmium



Chromium



Copper

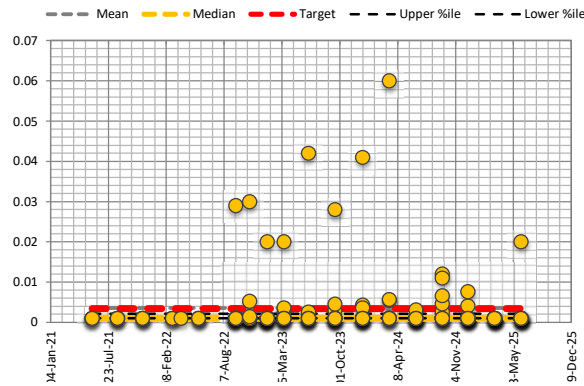


Report Date : 25/07/2025

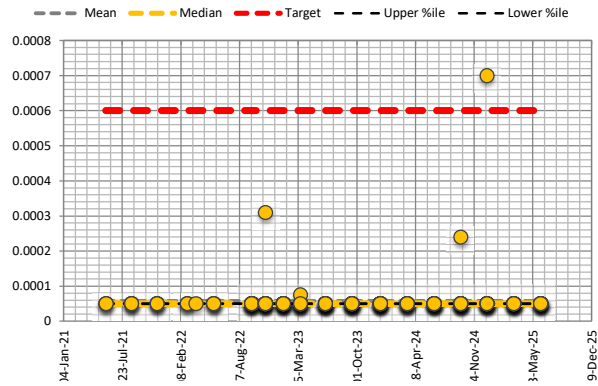
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	419	3.94	6.62	10.55	9.02	15.49	19.70					0
GWL mAHD	Groundwater Level	mAHD	419	14.50	15.76	16.66	16.52	17.55	19.68					0
T	Temperature	°C	147	15.30	19.22	22.713	22.300	25.760	33.300					0
EC	Electrical Conductivity	mS/cm	148	0.10	0.52	1.881	1.242	2.599	12.939	1.500				61
pH	pH	pH	149	4.85	5.35	5.76	5.75	6.11	6.95	8.50				0
DO	Dissolved Oxygen	%	140	1.30	18.76	37.61	32.60	56.99	89.50					0
TN	Total Nitrogen	mg/L	140	0.23	1.10	5.57	3.50	5.84	52.00	1.50				100
TKN	Total Kjeldhal Nitrogen	mg/L	140	0.10	0.42	1.59	0.84	2.14	13.00					0
NO3	Nitrate	mg/L	149	0.01	0.02	4.07	2.20	4.48	44.00					0
NO2	Nitrite	mg/L	140	0.01	0.01	0.01	0.01	0.01	0.10					0
Nox	Nox	mg/L	140	0.005	0.025	4.012	2.200	4.640	44.000	0.10				100
NH3	Ammonia	mg/L	149	0.01	0.01	0.17	0.01	0.07	3.40	0.90				9
TP	Total Phosphorous	mg/L	140	0.01	0.05	0.26	0.05	0.15	4.00	0.06				49
FRP	Filterable Reactive Phosphorus	mg/L	149	0.01	0.01	0.16	0.01	0.02	4.60	0.03				26
As	Arsenic	mg/L	149	0.00100	0.00100	0.00127	0.00100	0.00114	0.00580	0.02400				0
Cd	Cadmium	mg/L	140	0.00010	0.00010	0.00010	0.00010	0.00010	0.00045	0.00020				1
Cr	Chromium	mg/L	140	0.00100	0.00100	0.00141	0.00100	0.00100	0.01300	0.00100				23
Cu	Copper	mg/L	140	0.00100	0.00100	0.00219	0.00100	0.00230	0.01900	0.00140				47
Pb	Lead	mg/L	140	0.00100	0.00100	0.00356	0.00100	0.00214	0.06000	0.00340				22
Hg	Mercury	mg/L	140	0.00005	0.00005	0.00006	0.00005	0.00005	0.00070	0.00060				1
Ni	Nickel	mg/L	140	0.00100	0.00118	0.00435	0.00285	0.00550	0.09600	0.01100				6
Zn	Zinc	mg/L	140	0.00100	0.00230	0.01004	0.00680	0.01500	0.06100	0.00800				59
Cl	Chloride	mg/L	33	0.10	16.80	509.54	200.00	960.00	3100.00					0
Ca	Calcium	mg/L	120	0.05	3.56	24.93	9.05	45.20	190.00					0
Mg	Magnesium	mg/L	120	1.20	10.58	48.33	31.00	77.60	330.00					0
K	Potassium	mg/L	120	1.30	3.70	11.21	8.90	14.00	56.00					0
Na	Sodium	mg/L	120	12.00	63.00	260.26	120.00	332.00	2200.00					0
H as CaCO3	Hardness as CaCO3	mg/L	120	6.00	52.60	261.26	170.00	444.00	1800.00					0
SiO2	Silica	mg/L	18	11.00	13.80	26.78	25.50	38.20	54.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

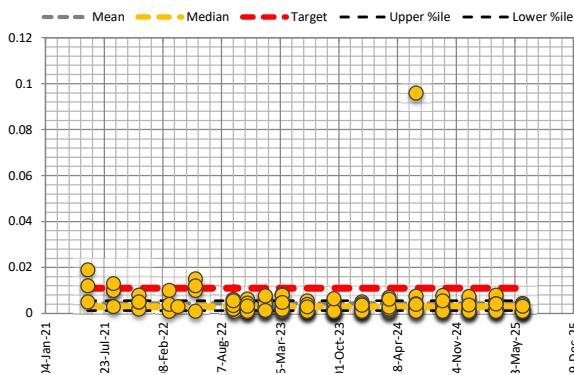
Lead



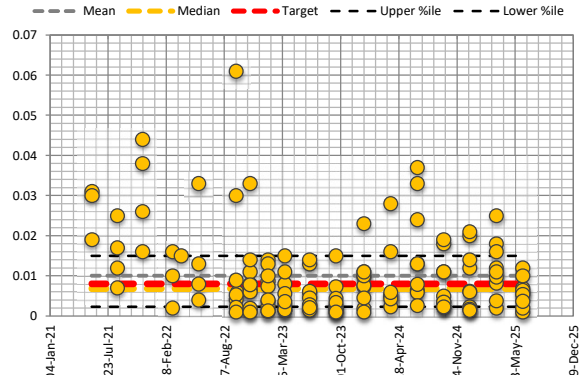
Mercury



Nickel



Zinc

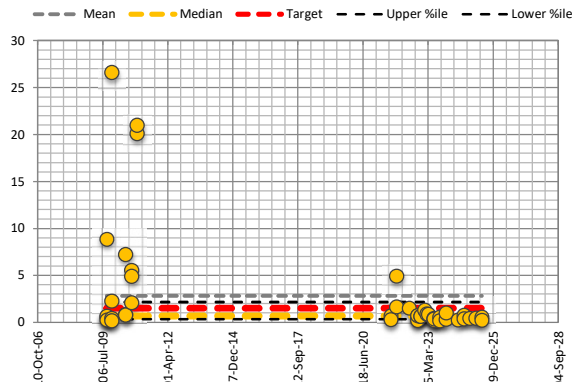


Report Date : 25/07/2025

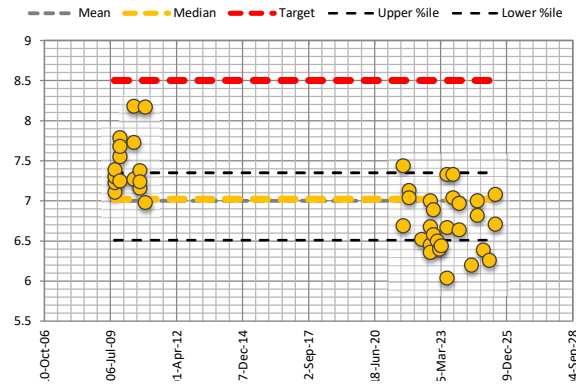
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	277	0.49	1.28	2.17	1.75	3.26	4.65				0
GWL mAHD	Groundwater Level	mAHD	277	6.55	8.06	14.18	17.66	19.70	21.50				0
T	Temperature	°C	44	15.50	17.26	20.736	19.750	23.920	31.300				0
EC	Electrical Conductivity	mS/cm	44	0.15	0.34	2.806	0.666	2.149	26.600	1.500			12
pH	pH	pH	44	6.04	6.51	7.00	7.02	7.35	8.18	8.50			0
DO	Dissolved Oxygen	%	28	12.80	19.80	31.30	28.25	46.04	56.00				0
TN	Total Nitrogen	mg/L	36	0.73	1.30	3.23	2.75	5.30	8.40	1.50			23
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.15	0.73	1.96	1.50	2.54	9.00				0
NO3	Nitrate	mg/L	40	0.01	0.02	1.61	0.39	4.06	7.55				0
NO2	Nitrite	mg/L	39	0.01	0.01	0.03	0.01	0.05	0.25				0
Nox	Nox	mg/L	35	0.005	0.020	1.789	0.540	4.340	7.550	0.10			21
NH3	Ammonia	mg/L	26	0.01	0.01	0.04	0.02	0.08	0.18	0.90			0
TP	Total Phosphorous	mg/L	39	0.05	0.05	0.32	0.15	0.44	1.50	0.06			27
FRP	Filterable Reactive Phosphorus	mg/L	40	0.01	0.01	0.08	0.04	0.15	0.68	0.03			20
As	Arsenic	mg/L	39	0.00020	0.00100	0.00878	0.00330	0.00734	0.05000	0.02400			4
Cd	Cadmium	mg/L	38	0.00005	0.00010	0.00027	0.00010	0.00010	0.00340	0.00020			5
Cr	Chromium	mg/L	38	0.00100	0.00100	0.12515	0.00100	0.00560	1.70000	0.00100			13
Cu	Copper	mg/L	38	0.00100	0.00188	0.04204	0.00375	0.00700	0.48000	0.00140			31
Pb	Lead	mg/L	38	0.00010	0.00100	0.01335	0.00100	0.00920	0.19000	0.00340			9
Hg	Mercury	mg/L	38	0.00005	0.00005	0.00010	0.00005	0.00010	0.00060	0.00060			0
Ni	Nickel	mg/L	38	0.00100	0.00200	0.05068	0.00530	0.01400	0.98000	0.01100			9
Zn	Zinc	mg/L	38	0.00100	0.00290	0.12430	0.00730	0.02800	1.90000	0.00800			17
Cl	Chloride	mg/L	5	0.10	11.22	51.82	51.00	89.20	110.00				0
Ca	Calcium	mg/L	19	5.00	26.20	48.21	44.00	69.40	110.00				0
Mg	Magnesium	mg/L	19	2.50	4.10	6.93	5.70	9.82	14.00				0
K	Potassium	mg/L	19	3.10	5.34	9.69	6.90	17.40	19.00				0
Na	Sodium	mg/L	19	13.00	19.20	40.74	37.00	56.20	99.00				0
H as CaCO3	Hardness as CaCO3	mg/L	18	28.00	83.00	149.28	150.00	202.00	290.00				0
SiO2	Silica	mg/L	3	8.90	10.94	12.63	14.00	14.60	15.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

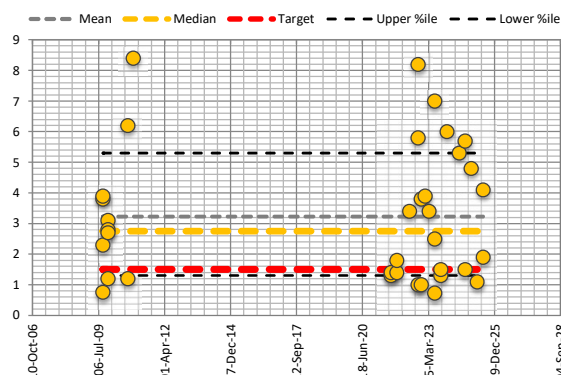
Electrical Conductivity



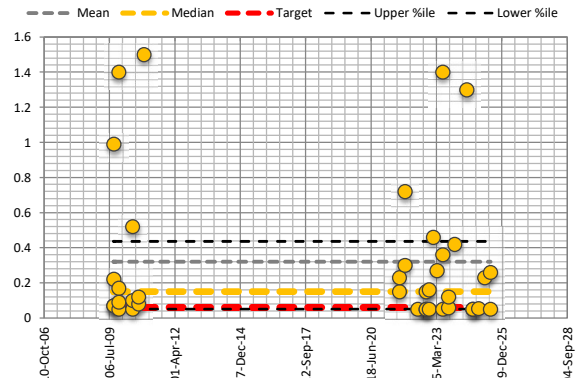
pH



Total Nitrogen



Total Phosphorous

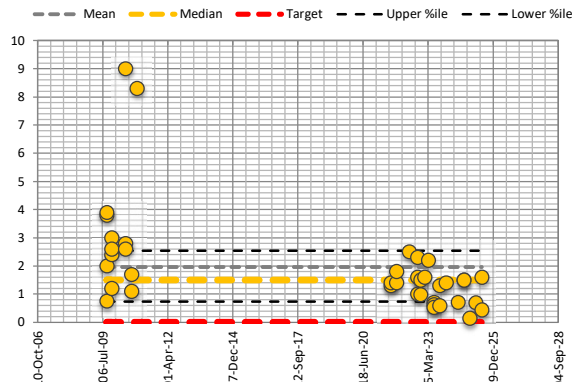


Report Date : 25/07/2025

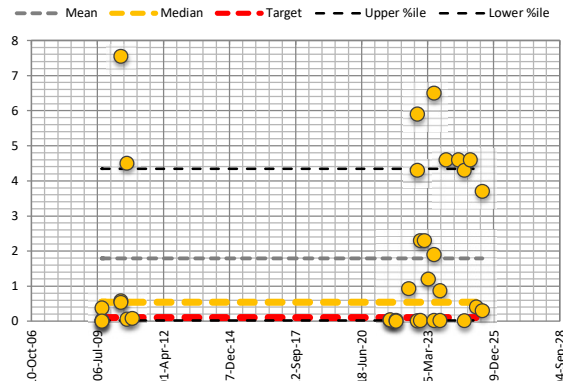
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	277	0.49	1.28	2.17	1.75	3.26	4.65				0
GWL mAHD	Groundwater Level	mAHD	277	6.55	8.06	14.18	17.66	19.70	21.50				0
T	Temperature	°C	44	15.50	17.26	20.736	19.750	23.920	31.300				0
EC	Electrical Conductivity	mS/cm	44	0.15	0.34	2.806	0.666	2.149	26.600	1.500			12
pH	pH	pH	44	6.04	6.51	7.00	7.02	7.35	8.18	8.50			0
DO	Dissolved Oxygen	%	28	12.80	19.80	31.30	28.25	46.04	56.00				0
TN	Total Nitrogen	mg/L	36	0.73	1.30	3.23	2.75	5.30	8.40	1.50			23
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.15	0.73	1.96	1.50	2.54	9.00				0
NO3	Nitrate	mg/L	40	0.01	0.02	1.61	0.39	4.06	7.55				0
NO2	Nitrite	mg/L	39	0.01	0.01	0.03	0.01	0.05	0.25				0
Nox	Nox	mg/L	35	0.005	0.020	1.789	0.540	4.340	7.550	0.10			21
NH3	Ammonia	mg/L	26	0.01	0.01	0.04	0.02	0.08	0.18	0.90			0
TP	Total Phosphorous	mg/L	39	0.05	0.05	0.32	0.15	0.44	1.50	0.06			27
FRP	Filterable Reactive Phosphorous	mg/L	40	0.01	0.01	0.08	0.04	0.15	0.68	0.03			20
As	Arsenic	mg/L	39	0.00020	0.00100	0.00878	0.00330	0.00734	0.05000	0.02400			4
Cd	Cadmium	mg/L	38	0.00005	0.00010	0.00027	0.00010	0.00010	0.00340	0.00020			5
Cr	Chromium	mg/L	38	0.00100	0.00100	0.12515	0.00100	0.00560	1.70000	0.00100			13
Cu	Copper	mg/L	38	0.00100	0.00188	0.04204	0.00375	0.00700	0.48000	0.00140			31
Pb	Lead	mg/L	38	0.00010	0.00100	0.01335	0.00100	0.00920	0.19000	0.00340			9
Hg	Mercury	mg/L	38	0.00005	0.00005	0.00010	0.00005	0.00010	0.00060	0.00060			0
Ni	Nickel	mg/L	38	0.00100	0.00200	0.05068	0.00530	0.01400	0.98000	0.01100			9
Zn	Zinc	mg/L	38	0.00100	0.00290	0.12430	0.00730	0.02800	1.90000	0.00800			17
Cl	Chloride	mg/L	5	0.10	11.22	51.82	51.00	89.20	110.00				0
Ca	Calcium	mg/L	19	5.00	26.20	48.21	44.00	69.40	110.00				0
Mg	Magnesium	mg/L	19	2.50	4.10	6.93	5.70	9.82	14.00				0
K	Potassium	mg/L	19	3.10	5.34	9.69	6.90	17.40	19.00				0
Na	Sodium	mg/L	19	13.00	19.20	40.74	37.00	56.20	99.00				0
H as CaCO3	Hardness as CaCO3	mg/L	18	28.00	83.00	149.28	150.00	202.00	290.00				0
SiO2	Silica	mg/L	3	8.90	10.94	12.63	14.00	14.60	15.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

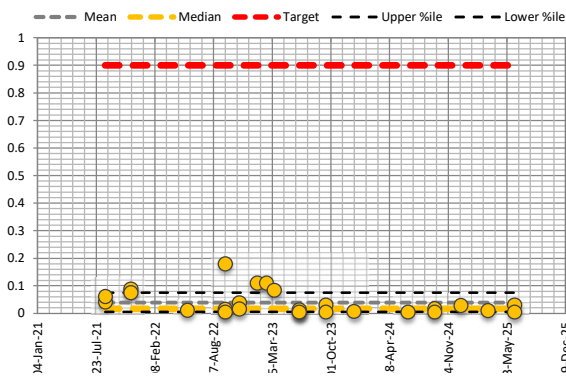
Total Kjeldhal Nitrogen



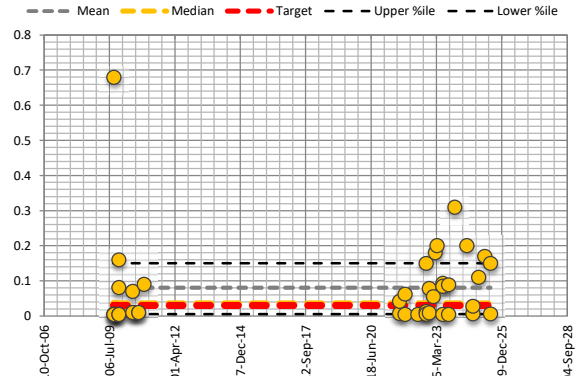
Nox



Ammonia



Filterable Reactive Phosphorous

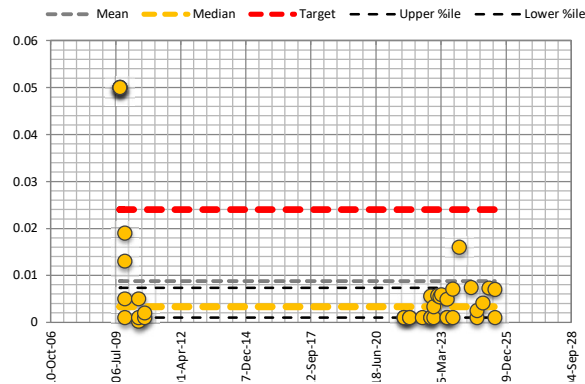


Report Date : 25/07/2025

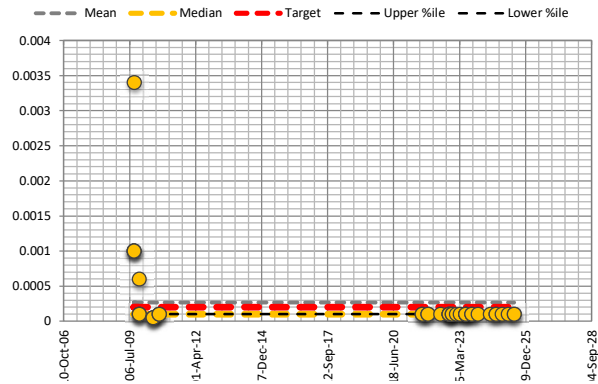
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	277	0.49	1.28	2.17	1.75	3.26	4.65				0
GWL mAHD	Groundwater Level	mAHD	277	6.55	8.06	14.18	17.66	19.70	21.50				0
T	Temperature	°C	44	15.50	17.26	20.736	19.750	23.920	31.300				0
EC	Electrical Conductivity	mS/cm	44	0.15	0.34	2.806	0.666	2.149	26.600	1.500			12
pH	pH	pH	44	6.04	6.51	7.00	7.02	7.35	8.18	8.50			0
DO	Dissolved Oxygen	%	28	12.80	19.80	31.30	28.25	46.04	56.00				0
TN	Total Nitrogen	mg/L	36	0.73	1.30	3.23	2.75	5.30	8.40	1.50			23
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.15	0.73	1.96	1.50	2.54	9.00				0
NO3	Nitrate	mg/L	40	0.01	0.02	1.61	0.39	4.06	7.55				0
NO2	Nitrite	mg/L	39	0.01	0.01	0.03	0.01	0.05	0.25				0
Nox	Nox	mg/L	35	0.005	0.020	1.789	0.540	4.340	7.550	0.10			21
NH3	Ammonia	mg/L	26	0.01	0.01	0.04	0.02	0.08	0.18	0.90			0
TP	Total Phosphorous	mg/L	39	0.05	0.05	0.32	0.15	0.44	1.50	0.06			27
FRP	Filterable Reactive Phosphorous	mg/L	40	0.01	0.01	0.08	0.04	0.15	0.68	0.03			20
As	Arsenic	mg/L	39	0.00020	0.00100	0.00878	0.00330	0.00734	0.05000	0.02400			4
Cd	Cadmium	mg/L	38	0.00005	0.00010	0.00027	0.00010	0.00010	0.00340	0.00020			5
Cr	Chromium	mg/L	38	0.00100	0.00100	0.12515	0.00100	0.00560	1.70000	0.00100			13
Cu	Copper	mg/L	38	0.00100	0.00188	0.04204	0.00375	0.00700	0.48000	0.00140			31
Pb	Lead	mg/L	38	0.00010	0.00100	0.01335	0.00100	0.00920	0.19000	0.00340			9
Hg	Mercury	mg/L	38	0.00005	0.00005	0.00010	0.00005	0.00010	0.00060	0.00060			0
Ni	Nickel	mg/L	38	0.00100	0.00200	0.05068	0.00530	0.01400	0.98000	0.01100			9
Zn	Zinc	mg/L	38	0.00100	0.00290	0.12430	0.00730	0.02800	1.90000	0.00800			17
Cl	Chloride	mg/L	5	0.10	11.22	51.82	51.00	89.20	110.00				0
Ca	Calcium	mg/L	19	5.00	26.20	48.21	44.00	69.40	110.00				0
Mg	Magnesium	mg/L	19	2.50	4.10	6.93	5.70	9.82	14.00				0
K	Potassium	mg/L	19	3.10	5.34	9.69	6.90	17.40	19.00				0
Na	Sodium	mg/L	19	13.00	19.20	40.74	37.00	56.20	99.00				0
H as CaCO3	Hardness as CaCO3	mg/L	18	28.00	83.00	149.28	150.00	202.00	290.00				0
SiO2	Silica	mg/L	3	8.90	10.94	12.63	14.00	14.60	15.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

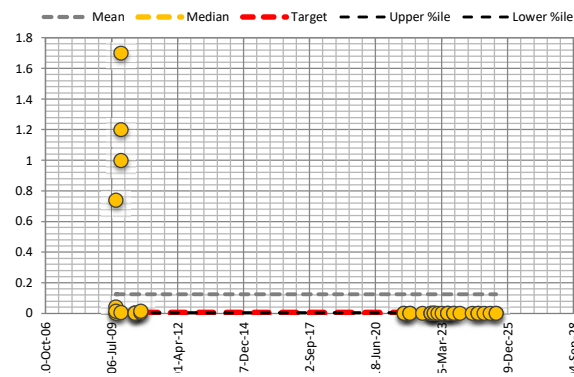
Arsenic



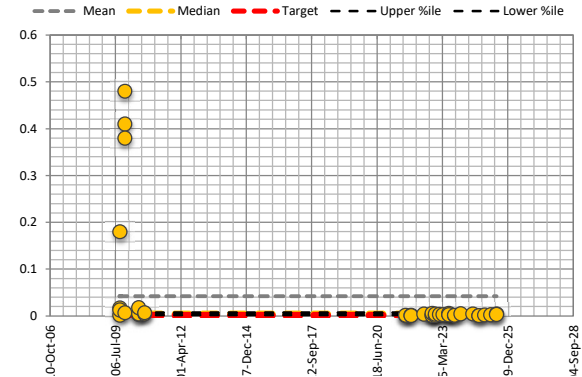
Cadmium



Chromium



Copper

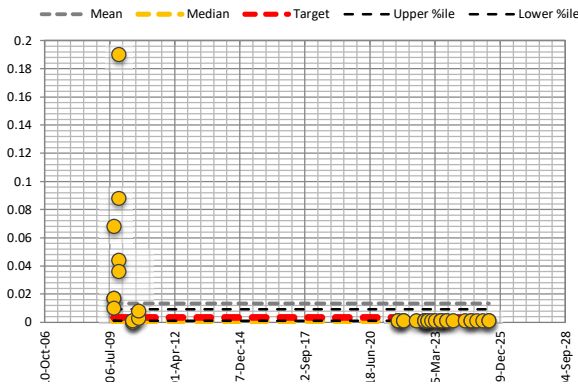


Report Date : 25/07/2025

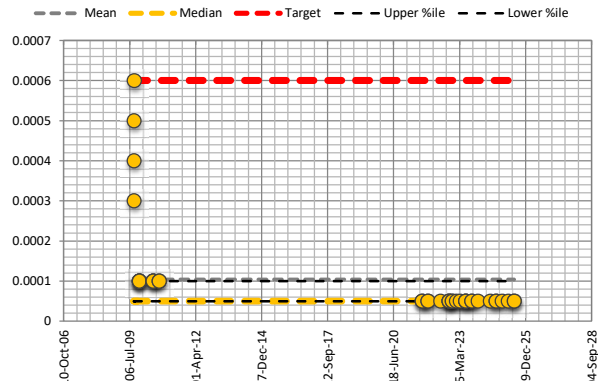
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	277	0.49	1.28	2.17	1.75	3.26	4.65				0
GWL mAHD	Groundwater Level	mAHD	277	6.55	8.06	14.18	17.66	19.70	21.50				0
T	Temperature	°C	44	15.50	17.26	20.736	19.750	23.920	31.300				0
EC	Electrical Conductivity	mS/cm	44	0.15	0.34	2.806	0.666	2.149	26.600	1.500			12
pH	pH	pH	44	6.04	6.51	7.00	7.02	7.35	8.18	8.50			0
DO	Dissolved Oxygen	%	28	12.80	19.80	31.30	28.25	46.04	56.00				0
TN	Total Nitrogen	mg/L	36	0.73	1.30	3.23	2.75	5.30	8.40	1.50			23
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.15	0.73	1.96	1.50	2.54	9.00				0
NO3	Nitrate	mg/L	40	0.01	0.02	1.61	0.39	4.06	7.55				0
NO2	Nitrite	mg/L	39	0.01	0.01	0.03	0.01	0.05	0.25				0
Nox	Nox	mg/L	35	0.005	0.020	1.789	0.540	4.340	7.550	0.10			21
NH3	Ammonia	mg/L	26	0.01	0.01	0.04	0.02	0.08	0.18	0.90			0
TP	Total Phosphorous	mg/L	39	0.05	0.05	0.32	0.15	0.44	1.50	0.06			27
FRP	Filterable Reactive Phosphorus	mg/L	40	0.01	0.01	0.08	0.04	0.15	0.68	0.03			20
As	Arsenic	mg/L	39	0.00020	0.00100	0.00878	0.00330	0.00734	0.05000	0.02400			4
Cd	Cadmium	mg/L	38	0.00005	0.00010	0.00027	0.00010	0.00010	0.00340	0.00020			5
Cr	Chromium	mg/L	38	0.00100	0.00100	0.12515	0.00100	0.00560	1.70000	0.00100			13
Cu	Copper	mg/L	38	0.00100	0.00188	0.04204	0.00375	0.00700	0.48000	0.00140			31
Pb	Lead	mg/L	38	0.00010	0.00100	0.01335	0.00100	0.00920	0.19000	0.00340			9
Hg	Mercury	mg/L	38	0.00005	0.00005	0.00010	0.00005	0.00010	0.00060	0.00060			0
Ni	Nickel	mg/L	38	0.00100	0.00200	0.05068	0.00530	0.01400	0.98000	0.01100			9
Zn	Zinc	mg/L	38	0.00100	0.00290	0.12430	0.00730	0.02800	1.90000	0.00800			17
Cl	Chloride	mg/L	5	0.10	11.22	51.82	51.00	89.20	110.00				0
Ca	Calcium	mg/L	19	5.00	26.20	48.21	44.00	69.40	110.00				0
Mg	Magnesium	mg/L	19	2.50	4.10	6.93	5.70	9.82	14.00				0
K	Potassium	mg/L	19	3.10	5.34	9.69	6.90	17.40	19.00				0
Na	Sodium	mg/L	19	13.00	19.20	40.74	37.00	56.20	99.00				0
H as CaCO3	Hardness as CaCO3	mg/L	18	28.00	83.00	149.28	150.00	202.00	290.00				0
SiO2	Silica	mg/L	3	8.90	10.94	12.63	14.00	14.60	15.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

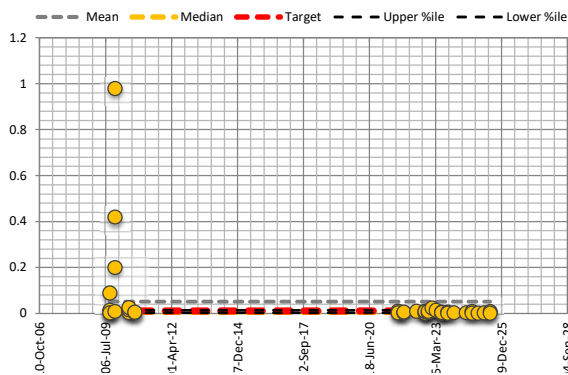
Lead



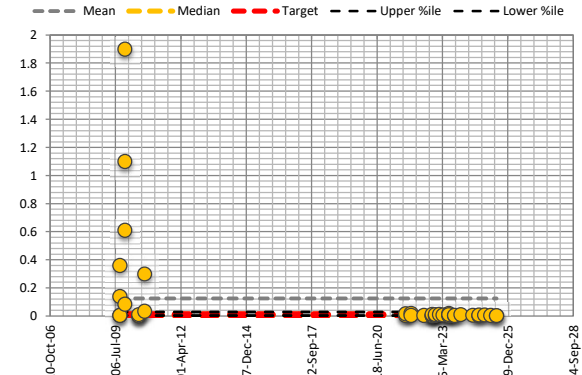
Mercury



Nickel



Zinc

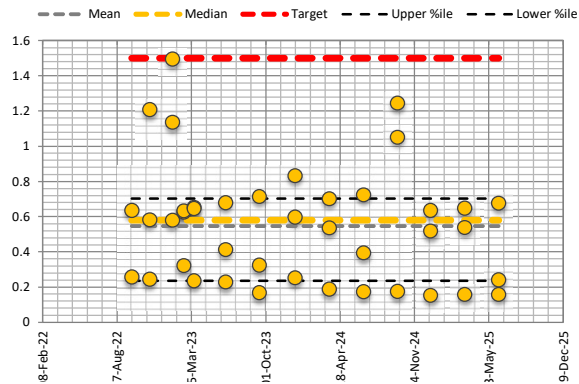


Report Date : 25/07/2025

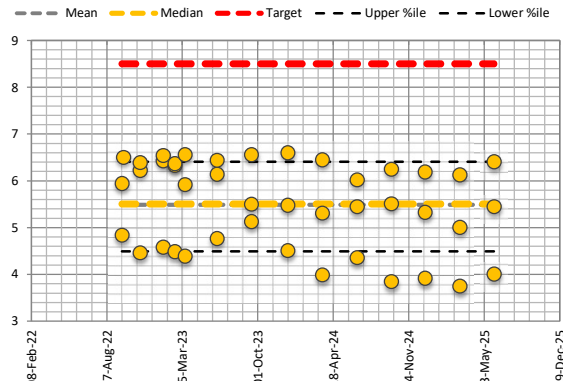
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	110	2.12	3.09	4.98	4.56	7.34	8.81					0
GWL mAHD	Groundwater Level	mAHD	110	13.83	15.11	16.88	16.97	18.44	19.66					0
T	Temperature	°C	41	17.50	20.60	23.676	23.900	27.100	30.200					0
EC	Electrical Conductivity	mS/cm	41	0.15	0.24	0.546	0.580	0.702	1.496	1.500				0
pH	pH	pH	42	3.75	4.49	5.49	5.51	6.41	6.60	8.50				0
DO	Dissolved Oxygen	%	38	10.70	13.92	20.25	18.55	25.76	39.10					0
TN	Total Nitrogen	mg/L	39	0.10	0.18	0.94	0.61	1.28	5.50	1.50				6
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.10	0.16	0.84	0.55	0.94	5.50					0
NO3	Nitrate	mg/L	42	0.01	0.01	0.09	0.01	0.08	1.40					0
NO2	Nitrite	mg/L	39	0.01	0.01	0.01	0.01	0.01	0.05					0
Nox	Nox	mg/L	39	0.005	0.005	0.096	0.009	0.094	1.400	0.10				6
NH3	Ammonia	mg/L	42	0.01	0.01	0.08	0.05	0.16	0.27	0.90				0
TP	Total Phosphorous	mg/L	39	0.01	0.05	0.07	0.05	0.05	0.42	0.06				7
FRP	Filterable Reactive Phosphorus	mg/L	42	0.01	0.01	0.02	0.01	0.02	0.09	0.03				8
As	Arsenic	mg/L	42	0.00100	0.00100	0.00145	0.00100	0.00160	0.00620	0.02400				0
Cd	Cadmium	mg/L	39	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011	0.00020				0
Cr	Chromium	mg/L	39	0.00100	0.00100	0.00106	0.00100	0.00100	0.00230	0.00100				5
Cu	Copper	mg/L	39	0.00100	0.00100	0.00270	0.00100	0.00394	0.01800	0.00140				16
Pb	Lead	mg/L	39	0.00100	0.00100	0.00154	0.00100	0.00162	0.01000	0.00340				2
Hg	Mercury	mg/L	39	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060				0
Ni	Nickel	mg/L	39	0.00100	0.00212	0.01051	0.00850	0.01640	0.03900	0.01100				13
Zn	Zinc	mg/L	39	0.00100	0.00212	0.00617	0.00410	0.00882	0.02300	0.00800				9
Cl	Chloride	mg/L	9	28.00	30.80	59.00	59.00	79.60	100.00					0
Ca	Calcium	mg/L	39	0.50	1.76	13.04	13.00	20.40	41.00					0
Mg	Magnesium	mg/L	39	1.30	3.34	10.52	10.00	14.40	40.00					0
K	Potassium	mg/L	39	0.76	1.90	7.48	6.90	10.34	23.00					0
Na	Sodium	mg/L	39	25.00	33.60	60.00	64.00	82.00	130.00					0
H as CaCO3	Hardness as CaCO3	mg/L	38	5.70	17.40	73.29	78.50	110.00	240.00					0
SiO2	Silica	mg/L	6	15.00	19.00	29.17	28.00	39.00	46.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

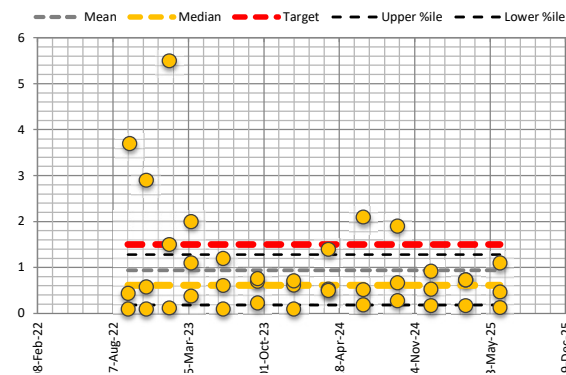
Electrical Conductivity



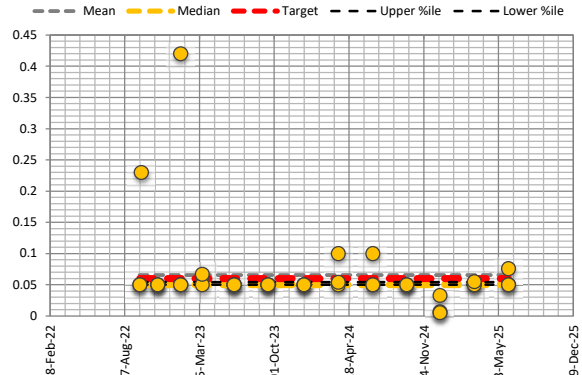
pH



Total Nitrogen



Total Phosphorous

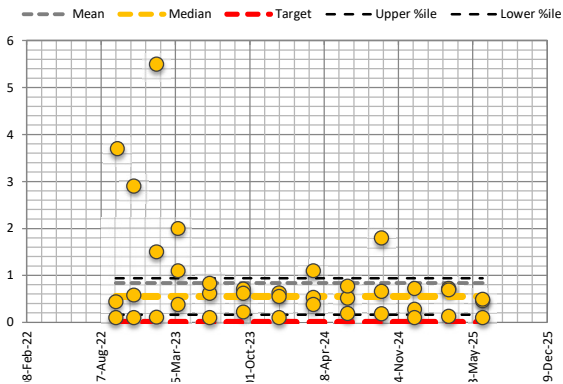


Report Date : 25/07/2025

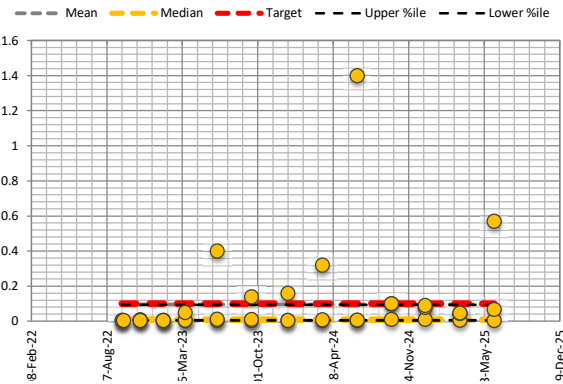
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	110	2.12	3.09	4.98	4.56	7.34	8.81					0
GWL mAHD	Groundwater Level	mAHD	110	13.83	15.11	16.88	16.97	18.44	19.66					0
T	Temperature	°C	41	17.50	20.60	23.676	23.900	27.100	30.200					0
EC	Electrical Conductivity	mS/cm	41	0.15	0.24	0.546	0.580	0.702	1.496	1.500				0
pH	pH	pH	42	3.75	4.49	5.49	5.51	6.41	6.60	8.50				0
DO	Dissolved Oxygen	%	38	10.70	13.92	20.25	18.55	25.76	39.10					0
TN	Total Nitrogen	mg/L	39	0.10	0.18	0.94	0.61	1.28	5.50	1.50				6
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.10	0.16	0.84	0.55	0.94	5.50					0
NO3	Nitrate	mg/L	42	0.01	0.01	0.09	0.01	0.08	1.40					0
NO2	Nitrite	mg/L	39	0.01	0.01	0.01	0.01	0.01	0.05					0
Nox	Nox	mg/L	39	0.005	0.005	0.096	0.009	0.094	1.400	0.10				6
NH3	Ammonia	mg/L	42	0.01	0.01	0.08	0.05	0.16	0.27	0.90				0
TP	Total Phosphorous	mg/L	39	0.01	0.05	0.07	0.05	0.05	0.42	0.06				7
FRP	Filterable Reactive Phosphorous	mg/L	42	0.01	0.01	0.02	0.01	0.02	0.09	0.03				8
As	Arsenic	mg/L	42	0.00100	0.00100	0.00145	0.00100	0.00160	0.00620	0.02400				0
Cd	Cadmium	mg/L	39	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011	0.00020				0
Cr	Chromium	mg/L	39	0.00100	0.00100	0.00106	0.00100	0.00100	0.00230	0.00100				5
Cu	Copper	mg/L	39	0.00100	0.00100	0.00270	0.00100	0.00394	0.01800	0.00140				16
Pb	Lead	mg/L	39	0.00100	0.00100	0.00154	0.00100	0.00162	0.01000	0.00340				2
Hg	Mercury	mg/L	39	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060				0
Ni	Nickel	mg/L	39	0.00100	0.00212	0.01051	0.00850	0.01640	0.03900	0.01100				13
Zn	Zinc	mg/L	39	0.00100	0.00212	0.00617	0.00410	0.00882	0.02300	0.00800				9
Cl	Chloride	mg/L	9	28.00	30.80	59.00	59.00	79.60	100.00					0
Ca	Calcium	mg/L	39	0.50	1.76	13.04	13.00	20.40	41.00					0
Mg	Magnesium	mg/L	39	1.30	3.34	10.52	10.00	14.40	40.00					0
K	Potassium	mg/L	39	0.76	1.90	7.48	6.90	10.34	23.00					0
Na	Sodium	mg/L	39	25.00	33.60	60.00	64.00	82.00	130.00					0
H as CaCO3	Hardness as CaCO3	mg/L	38	5.70	17.40	73.29	78.50	110.00	240.00					0
SiO2	Silica	mg/L	6	15.00	19.00	29.17	28.00	39.00	46.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

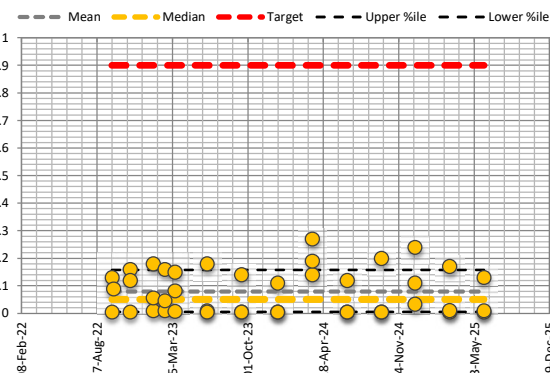
Total Kjeldhal Nitrogen



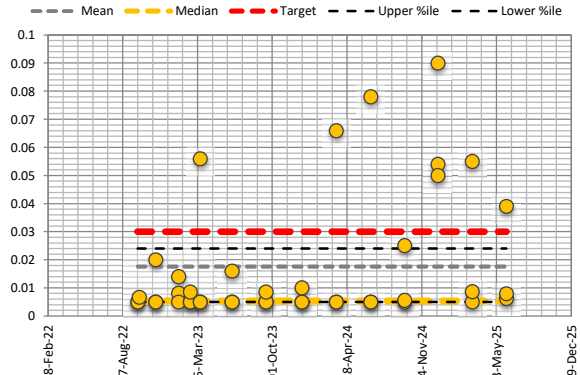
Nox



Ammonia



Filterable Reactive Phosphorous

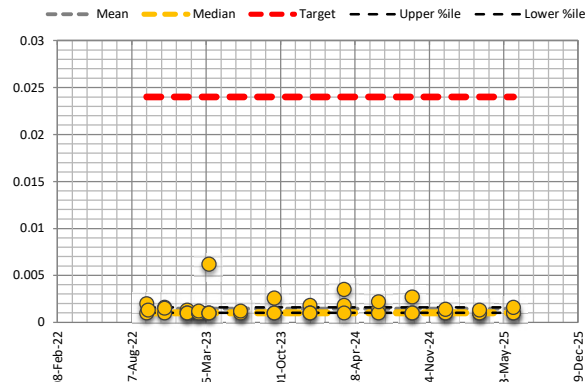


Report Date : 25/07/2025

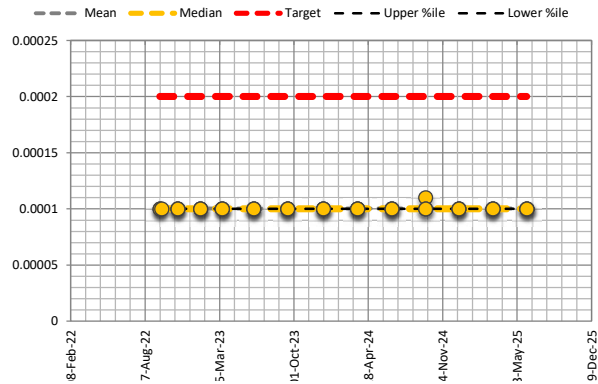
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	110	2.12	3.09	4.98	4.56	7.34	8.81					0
GWL mAHD	Groundwater Level	mAHD	110	13.83	15.11	16.88	16.97	18.44	19.66					0
T	Temperature	°C	41	17.50	20.60	23.676	23.900	27.100	30.200					0
EC	Electrical Conductivity	mS/cm	41	0.15	0.24	0.546	0.580	0.702	1.496	1.500				0
pH	pH	pH	42	3.75	4.49	5.49	5.51	6.41	6.60	8.50				0
DO	Dissolved Oxygen	%	38	10.70	13.92	20.25	18.55	25.76	39.10					0
TN	Total Nitrogen	mg/L	39	0.10	0.18	0.94	0.61	1.28	5.50	1.50				6
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.10	0.16	0.84	0.55	0.94	5.50					0
NO3	Nitrate	mg/L	42	0.01	0.01	0.09	0.01	0.08	1.40					0
NO2	Nitrite	mg/L	39	0.01	0.01	0.01	0.01	0.01	0.05					0
Nox	Nox	mg/L	39	0.005	0.005	0.096	0.009	0.094	1.400	0.10				6
NH3	Ammonia	mg/L	42	0.01	0.01	0.08	0.05	0.16	0.27	0.90				0
TP	Total Phosphorous	mg/L	39	0.01	0.05	0.07	0.05	0.05	0.42	0.06				7
FRP	Filterable Reactive Phosphorus	mg/L	42	0.01	0.01	0.02	0.01	0.02	0.09	0.03				8
As	Arsenic	mg/L	42	0.00100	0.00100	0.00145	0.00100	0.00160	0.00620	0.02400				0
Cd	Cadmium	mg/L	39	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011	0.00020				0
Cr	Chromium	mg/L	39	0.00100	0.00100	0.00106	0.00100	0.00100	0.00230	0.00100				5
Cu	Copper	mg/L	39	0.00100	0.00100	0.00270	0.00100	0.00394	0.01800	0.00140				16
Pb	Lead	mg/L	39	0.00100	0.00100	0.00154	0.00100	0.00162	0.01000	0.00340				2
Hg	Mercury	mg/L	39	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060				0
Ni	Nickel	mg/L	39	0.00100	0.00212	0.01051	0.00850	0.01640	0.03900	0.01100				13
Zn	Zinc	mg/L	39	0.00100	0.00212	0.00617	0.00410	0.00882	0.02300	0.00800				9
Cl	Chloride	mg/L	9	28.00	30.80	59.00	59.00	79.60	100.00					0
Ca	Calcium	mg/L	39	0.50	1.76	13.04	13.00	20.40	41.00					0
Mg	Magnesium	mg/L	39	1.30	3.34	10.52	10.00	14.40	40.00					0
K	Potassium	mg/L	39	0.76	1.90	7.48	6.90	10.34	23.00					0
Na	Sodium	mg/L	39	25.00	33.60	60.00	64.00	82.00	130.00					0
H as CaCO3	Hardness as CaCO3	mg/L	38	5.70	17.40	73.29	78.50	110.00	240.00					0
SiO2	Silica	mg/L	6	15.00	19.00	29.17	28.00	39.00	46.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

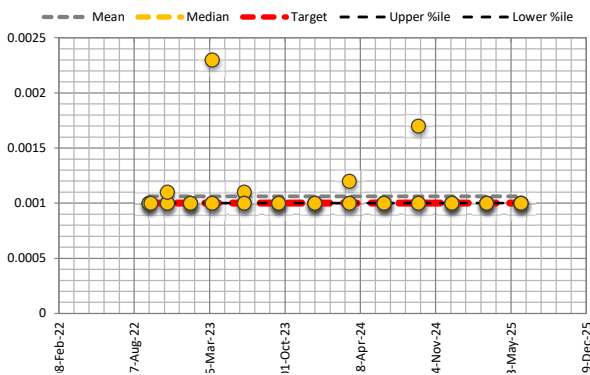
Arsenic



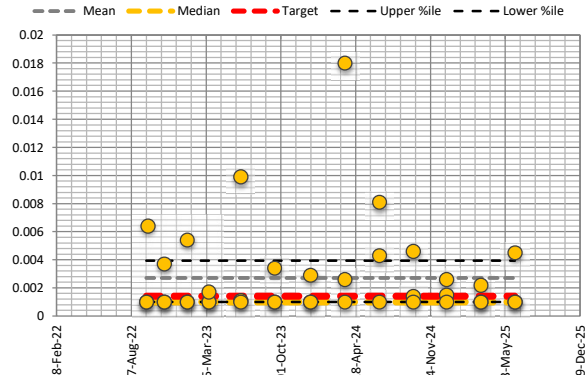
Cadmium



Chromium



Copper

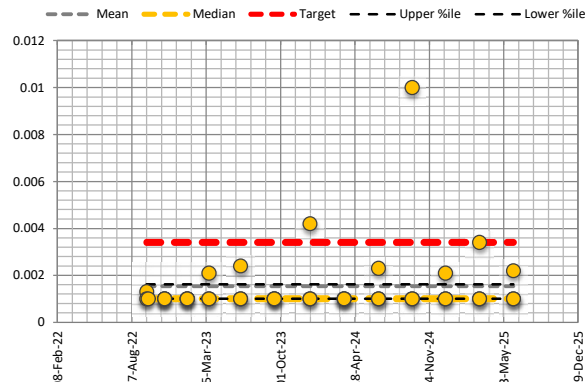


Report Date : 25/07/2025

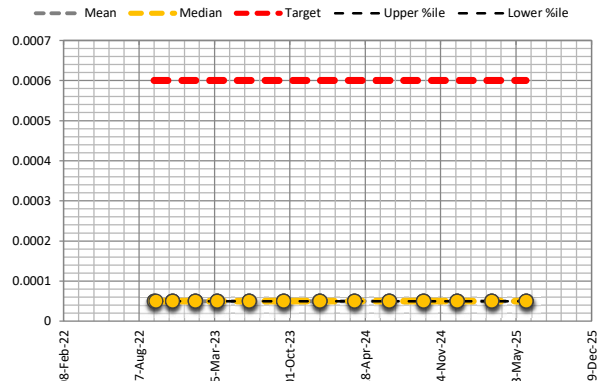
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Wetlands	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	110	2.12	3.09	4.98	4.56	7.34	8.81					0
GWL mAHD	Groundwater Level	mAHD	110	13.83	15.11	16.88	16.97	18.44	19.66					0
T	Temperature	°C	41	17.50	20.60	23.676	23.900	27.100	30.200					0
EC	Electrical Conductivity	mS/cm	41	0.15	0.24	0.546	0.580	0.702	1.496	1.500				0
pH	pH	pH	42	3.75	4.49	5.49	5.51	6.41	6.60	8.50				0
DO	Dissolved Oxygen	%	38	10.70	13.92	20.25	18.55	25.76	39.10					0
TN	Total Nitrogen	mg/L	39	0.10	0.18	0.94	0.61	1.28	5.50	1.50				6
TKN	Total Kjeldhal Nitrogen	mg/L	39	0.10	0.16	0.84	0.55	0.94	5.50					0
NO3	Nitrate	mg/L	42	0.01	0.01	0.09	0.01	0.08	1.40					0
NO2	Nitrite	mg/L	39	0.01	0.01	0.01	0.01	0.01	0.05					0
Nox	Nox	mg/L	39	0.005	0.005	0.096	0.009	0.094	1.400	0.10				6
NH3	Ammonia	mg/L	42	0.01	0.01	0.08	0.05	0.16	0.27	0.90				0
TP	Total Phosphorous	mg/L	39	0.01	0.05	0.07	0.05	0.05	0.42	0.06				7
FRP	Filterable Reactive Phosphorus	mg/L	42	0.01	0.01	0.02	0.01	0.02	0.09	0.03				8
As	Arsenic	mg/L	42	0.00100	0.00100	0.00145	0.00100	0.00160	0.00620	0.02400				0
Cd	Cadmium	mg/L	39	0.00010	0.00010	0.00010	0.00010	0.00010	0.00011	0.00020				0
Cr	Chromium	mg/L	39	0.00100	0.00100	0.00106	0.00100	0.00100	0.00230	0.00100				5
Cu	Copper	mg/L	39	0.00100	0.00100	0.00270	0.00100	0.00394	0.01800	0.00140				16
Pb	Lead	mg/L	39	0.00100	0.00100	0.00154	0.00100	0.00162	0.01000	0.00340				2
Hg	Mercury	mg/L	39	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060				0
Ni	Nickel	mg/L	39	0.00100	0.00212	0.01051	0.00850	0.01640	0.03900	0.01100				13
Zn	Zinc	mg/L	39	0.00100	0.00212	0.00617	0.00410	0.00882	0.02300	0.00800				9
Cl	Chloride	mg/L	9	28.00	30.80	59.00	59.00	79.60	100.00					0
Ca	Calcium	mg/L	39	0.50	1.76	13.04	13.00	20.40	41.00					0
Mg	Magnesium	mg/L	39	1.30	3.34	10.52	10.00	14.40	40.00					0
K	Potassium	mg/L	39	0.76	1.90	7.48	6.90	10.34	23.00					0
Na	Sodium	mg/L	39	25.00	33.60	60.00	64.00	82.00	130.00					0
H as CaCO3	Hardness as CaCO3	mg/L	38	5.70	17.40	73.29	78.50	110.00	240.00					0
SiO2	Silica	mg/L	6	15.00	19.00	29.17	28.00	39.00	46.00					0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

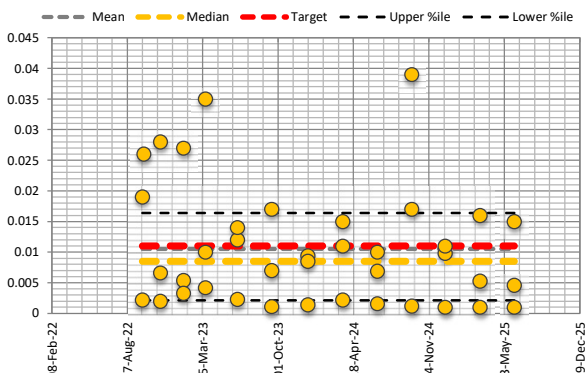
Lead



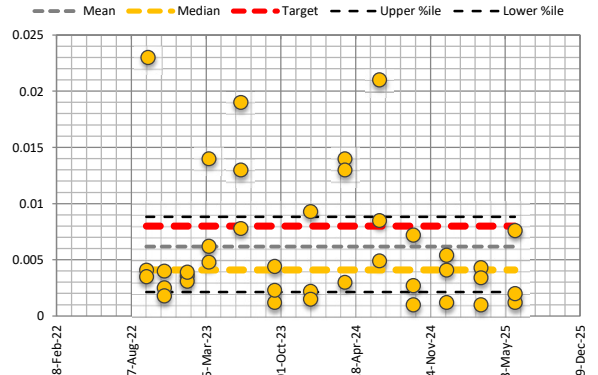
Mercury



Nickel



Zinc

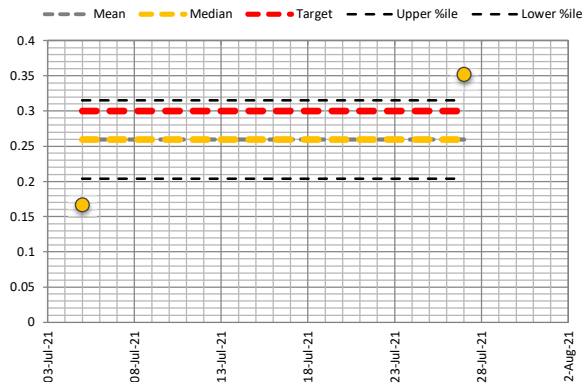


Report Date : 25/07/2025

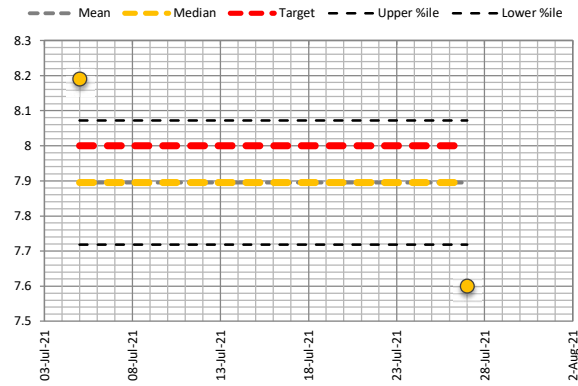
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80						ANZECC 95% & Lowland Rivers	
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	2	13.30	13.46	13.700	13.700	13.940	14.100	14.100	14.100		0
EC	Electrical Conductivity	mS/cm	2	0.17	0.20	0.260	0.260	0.315	0.352	0.352	0.352	0.300	1
pH	pH	pH	2	7.60	7.72	7.90	7.90	8.07	8.19	8.19	8.19	8.00	1
DO	Dissolved Oxygen	%	2	72.50	73.12	74.05	74.05	74.98	75.60	75.60	75.60		0
TN	Total Nitrogen	mg/L	2	0.30	0.42	0.60	0.60	0.78	0.90	0.90	0.90	1.20	0
TKN	Total Kjeldhal Nitrogen	mg/L	2	0.30	0.40	0.55	0.55	0.70	0.80	0.80	0.80		0
NO3	Nitrate	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02		0
NO2	Nitrite	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0
Nox	Nox	mg/L	2	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.15	0
NH3	Ammonia	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.90	0
TP	Total Phosphorous	mg/L	2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0
FRP	Filterable Reactive Phosphorus	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0
As	Arsenic	mg/L	2	0.00100	0.00120	0.00150	0.00150	0.00180	0.00200	0.00200	0.00200	0.02400	0
Cd	Cadmium	mg/L	2	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020	0
Cr	Chromium	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0
Cu	Copper	mg/L	2	0.00300	0.00320	0.00350	0.00350	0.00380	0.00400	0.00400	0.00400	0.00140	2
Pb	Lead	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340	0
Hg	Mercury	mg/L	2	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.01100	0
Zn	Zinc	mg/L	2	0.01000	0.01140	0.01350	0.01350	0.01560	0.01700	0.01700	0.01700	0.00800	2
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

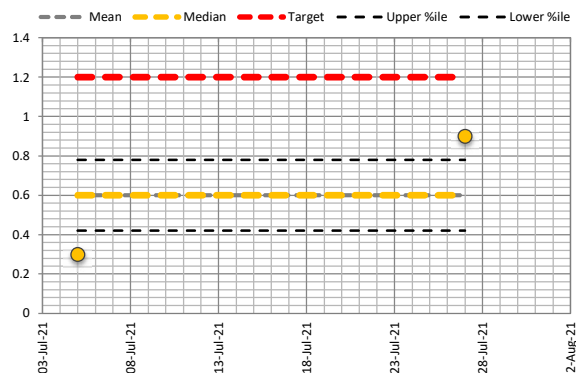
Electrical Conductivity



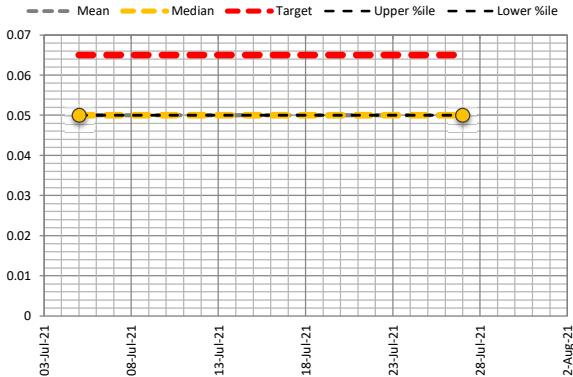
pH



Total Nitrogen



Total Phosphorous

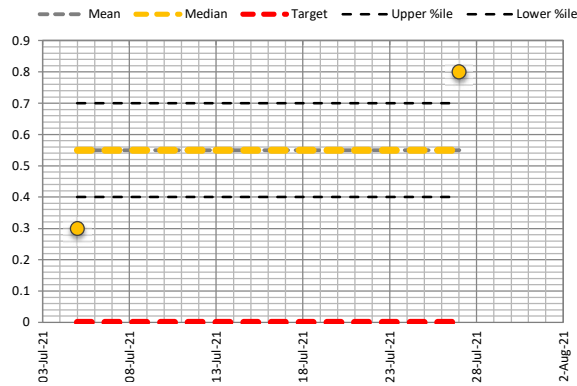


Report Date : 25/07/2025

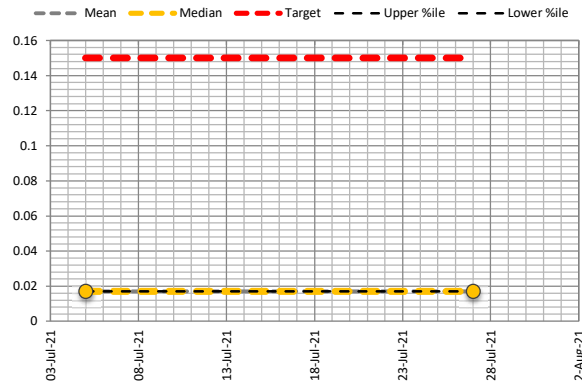
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Lowland Rivers	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
T	Temperature	°C	2	13.30	13.46	13.700	13.700	13.940	14.100	14.100	14.100		✓	0
EC	Electrical Conductivity	mS/cm	2	0.17	0.20	0.260	0.260	0.315	0.352	0.352	0.352	0.300	✗	1
pH	pH	pH	2	7.60	7.72	7.90	7.90	8.07	8.19	8.19	8.19	8.00	✗	1
DO	Dissolved Oxygen	%	2	72.50	73.12	74.05	74.05	74.98	75.60	75.60	75.60		✓	0
TN	Total Nitrogen	mg/L	2	0.30	0.42	0.60	0.60	0.78	0.90	0.90	0.90	1.20	✓	0
TKN	Total Kjeldhal Nitrogen	mg/L	2	0.30	0.40	0.55	0.55	0.70	0.80	0.80	0.80		✓	0
NO3	Nitrate	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02		✓	0
NO2	Nitrite	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		✓	0
Nox	Nox	mg/L	2	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.15	✓	0
NH3	Ammonia	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.90	✓	0
TP	Total Phosphorous	mg/L	2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	✓	0
FRP	Filterable Reactive Phosphorous	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	✓	0
As	Arsenic	mg/L	2	0.00100	0.00120	0.00150	0.00150	0.00180	0.00200	0.00200	0.00200	0.02400	✓	0
Cd	Cadmium	mg/L	2	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020	✓	0
Cr	Chromium	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	✓	0
Cu	Copper	mg/L	2	0.00300	0.00320	0.00350	0.00350	0.00380	0.00400	0.00400	0.00400	0.00140	✗	2
Pb	Lead	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340	✓	0
Hg	Mercury	mg/L	2	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	✓	0
Ni	Nickel	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.01100	✓	0
Zn	Zinc	mg/L	2	0.01000	0.01140	0.01350	0.01350	0.01560	0.01700	0.01700	0.01700	0.00800	✗	2
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

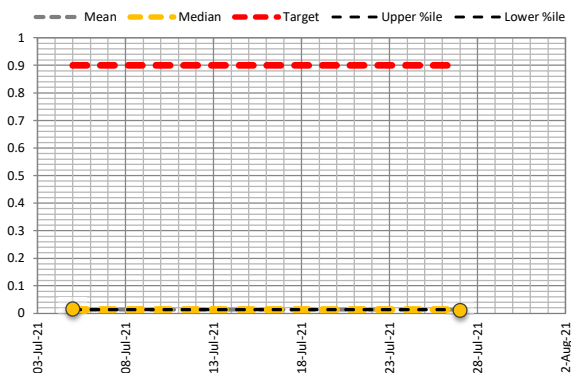
Total Kjeldhal Nitrogen



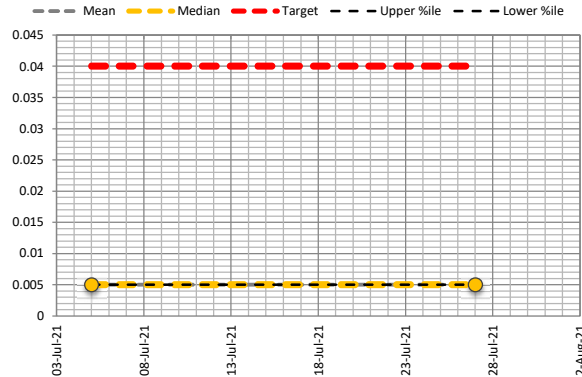
Nox



Ammonia



Filterable Reactive Phosphorous

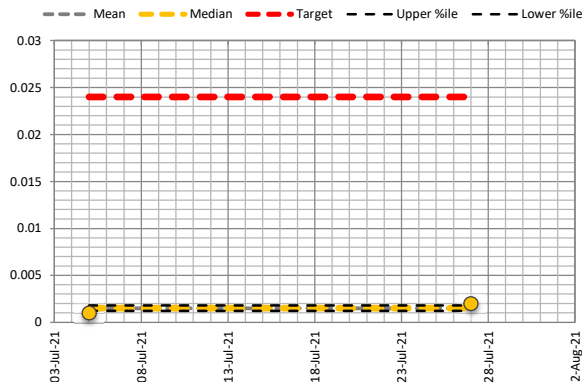


Report Date : 25/07/2025

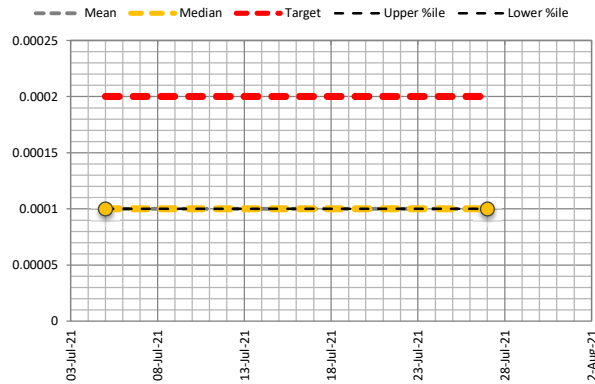
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80						ANZECC 95% & Lowland Rivers	
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	2	13.30	13.46	13.700	13.700	13.940	14.100	14.100	14.100		0
EC	Electrical Conductivity	mS/cm	2	0.17	0.20	0.260	0.260	0.315	0.352	0.352	0.352	0.300	1
pH	pH	pH	2	7.60	7.72	7.90	7.90	8.07	8.19	8.19	8.19	8.00	1
DO	Dissolved Oxygen	%	2	72.50	73.12	74.05	74.05	74.98	75.60	75.60	75.60		0
TN	Total Nitrogen	mg/L	2	0.30	0.42	0.60	0.60	0.78	0.90	0.90	0.90	1.20	0
TKN	Total Kjeldhal Nitrogen	mg/L	2	0.30	0.40	0.55	0.55	0.70	0.80	0.80	0.80		0
NO3	Nitrate	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02		0
NO2	Nitrite	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0
Nox	Nox	mg/L	2	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.15	0
NH3	Ammonia	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.90	0
TP	Total Phosphorous	mg/L	2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0
FRP	Filterable Reactive Phosphorous	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0
As	Arsenic	mg/L	2	0.00100	0.00120	0.00150	0.00150	0.00180	0.00200	0.00200	0.00200	0.02400	0
Cd	Cadmium	mg/L	2	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020	0
Cr	Chromium	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0
Cu	Copper	mg/L	2	0.00300	0.00320	0.00350	0.00350	0.00380	0.00400	0.00400	0.00400	0.00140	2
Pb	Lead	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340	0
Hg	Mercury	mg/L	2	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.01100	0
Zn	Zinc	mg/L	2	0.01000	0.01140	0.01350	0.01350	0.01560	0.01700	0.01700	0.01700	0.00800	2
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

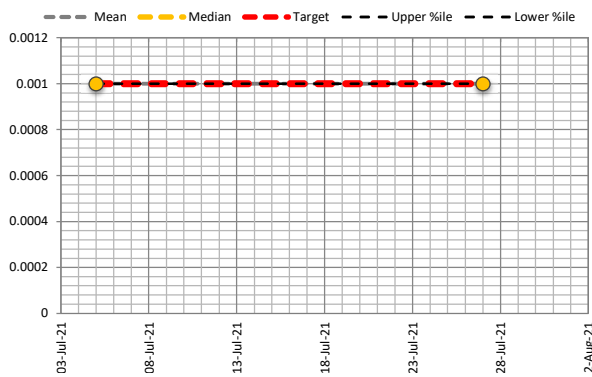
Arsenic



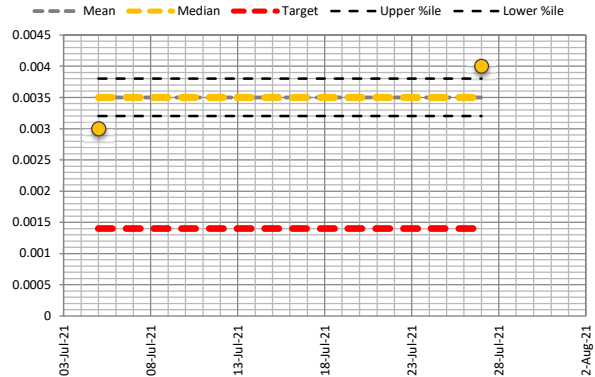
Cadmium



Chromium



Copper

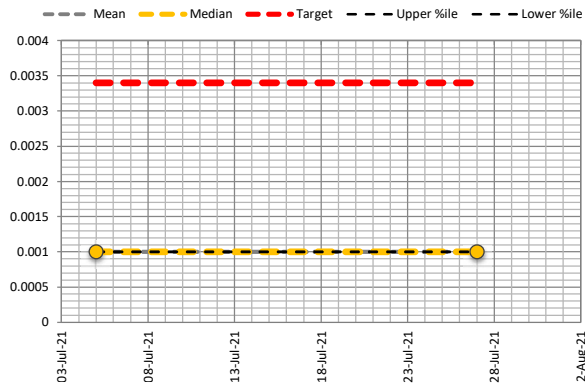


Report Date : 25/07/2025

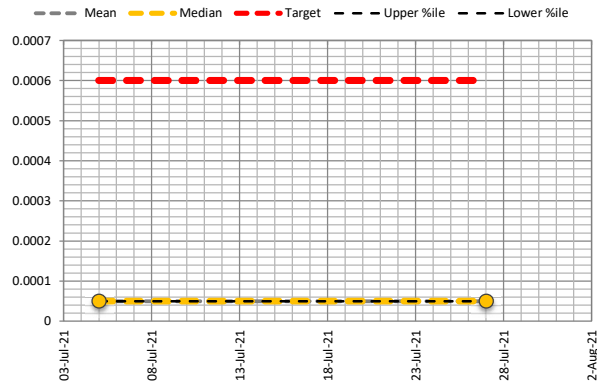
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
T	Temperature	°C	2	13.30	13.46	13.700	13.700	13.940	14.100	14.100	14.100	14.100	0
EC	Electrical Conductivity	mS/cm	2	0.17	0.20	0.260	0.260	0.315	0.352	0.352	0.352	0.300	1
pH	pH	pH	2	7.60	7.72	7.90	7.90	8.07	8.19	8.19	8.19	8.00	1
DO	Dissolved Oxygen	%	2	72.50	73.12	74.05	74.05	74.98	75.60	75.60	75.60	75.60	0
TN	Total Nitrogen	mg/L	2	0.30	0.42	0.60	0.60	0.78	0.90	0.90	0.90	1.20	0
TKN	Total Kjeldhal Nitrogen	mg/L	2	0.30	0.40	0.55	0.55	0.70	0.80	0.80	0.80	0.80	0
NO3	Nitrate	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0
NO2	Nitrite	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0
Nox	Nox	mg/L	2	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.15	0
NH3	Ammonia	mg/L	2	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.90	0
TP	Total Phosphorous	mg/L	2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0
FRP	Filterable Reactive Phosphorus	mg/L	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0
As	Arsenic	mg/L	2	0.00100	0.00120	0.00150	0.00150	0.00180	0.00200	0.00200	0.00200	0.02400	0
Cd	Cadmium	mg/L	2	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00020	0
Cr	Chromium	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0
Cu	Copper	mg/L	2	0.00300	0.00320	0.00350	0.00350	0.00380	0.00400	0.00400	0.00400	0.00140	2
Pb	Lead	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340	0
Hg	Mercury	mg/L	2	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00060	0
Ni	Nickel	mg/L	2	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.01100	0
Zn	Zinc	mg/L	2	0.01000	0.01140	0.01350	0.01350	0.01560	0.01700	0.01700	0.01700	0.00800	2
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Ca	Calcium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Mg	Magnesium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
K	Potassium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Na	Sodium	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
H as CaCO3	Hardness as CaCO3	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

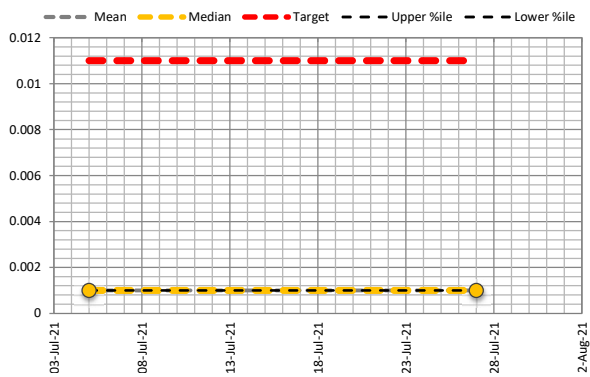
Lead



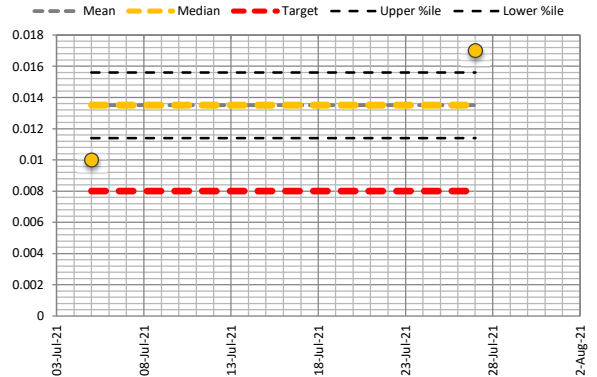
Mercury



Nickel



Zinc

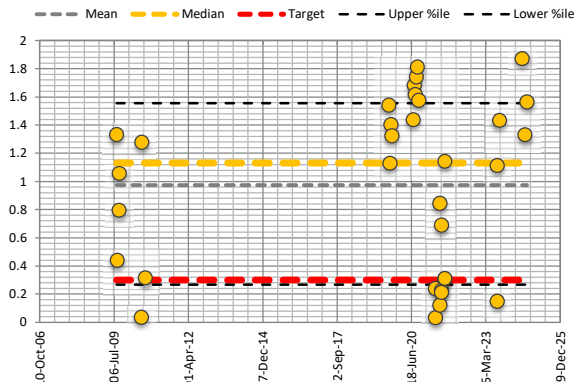


Report Date : 25/07/2025

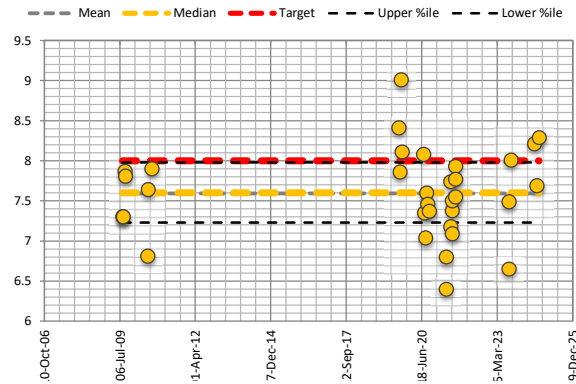
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToc	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	30	13.00	14.20	16.597	16.500	17.880	24.300				0
EC	Electrical Conductivity	mS/cm	33	0.03	0.27	0.974	1.130	1.556	1.872		0.300		26
pH	pH	pH	33	6.40	7.23	7.59	7.60	7.98	9.01		8.00		7
DO	Dissolved Oxygen	%	24	53.70	63.98	95.01	77.30	126.00	217.10				0
TKN	Total Nitrogen	mg/L	33	0.30	1.20	2.87	2.30	3.62	18.00		1.20		25
TKN	Total Kjeldhal Nitrogen	mg/L	33	0.30	0.57	1.48	1.10	1.52	13.00				0
NO3	Nitrate	mg/L	33	0.01	0.19	1.48	1.20	2.53	5.40				0
NO2	Nitrite	mg/L	33	0.01	0.01	0.02	0.01	0.02	0.08				0
Nox	Nox	mg/L	32	0.005	0.168	1.454	1.090	2.520	5.400		0.15		25
NH3	Ammonia	mg/L	16	0.01	0.01	0.09	0.03	0.09	0.77		0.90		0
TP	Total Phosphorous	mg/L	33	0.05	0.06	0.40	0.14	0.24	5.60		0.07		24
FRP	Filterable Reactive Phosphorus	mg/L	33	0.01	0.01	0.07	0.03	0.10	0.51		0.04		12
As	Arsenic	mg/L	19	0.00100	0.00100	0.00158	0.00100	0.00240	0.00470		0.02400		0
Cd	Cadmium	mg/L	19	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010		0.00020		0
Cr	Chromium	mg/L	19	0.00100	0.00100	0.00132	0.00100	0.00100	0.00600		0.00100		2
Cu	Copper	mg/L	19	0.00100	0.00224	0.01003	0.00490	0.00680	0.10000		0.00140		17
Pb	Lead	mg/L	19	0.00100	0.00100	0.00139	0.00100	0.00144	0.00500		0.00340		1
Hg	Mercury	mg/L	19	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010		0.00060		0
Ni	Nickel	mg/L	19	0.00100	0.00100	0.00170	0.00100	0.00114	0.00600		0.01100		0
Zn	Zinc	mg/L	19	0.00400	0.00786	0.02278	0.01500	0.03300	0.07800		0.00800		15
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0
Ca	Calcium	mg/L	5	14.00	50.00	62.60	68.00	80.60	95.00				0
Mg	Magnesium	mg/L	5	1.90	20.38	25.58	29.00	34.20	39.00				0
K	Potassium	mg/L	5	2.80	5.52	8.42	9.10	12.00	12.00				0
Na	Sodium	mg/L	5	5.00	97.00	141.00	160.00	186.00	250.00				0
H as CaCO3	Hardness as CaCO3	mg/L	5	43.00	208.60	260.60	300.00	328.00	400.00				0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

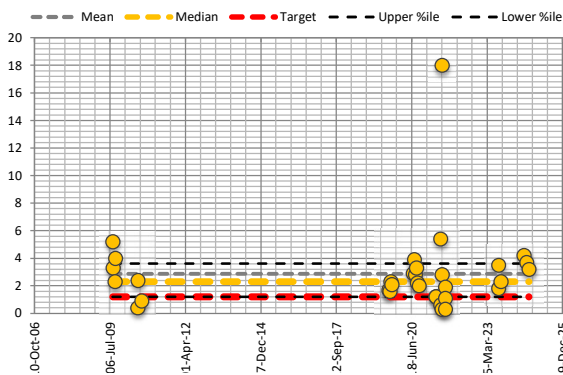
Electrical Conductivity



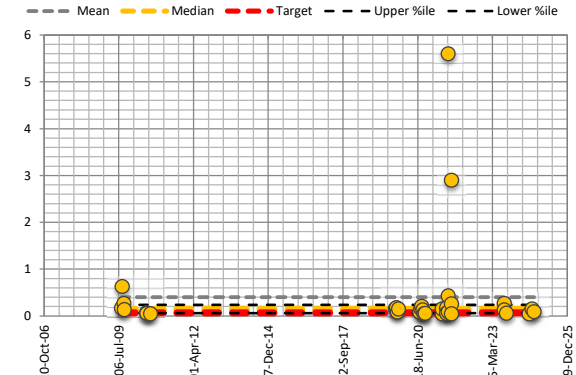
pH



Total Nitrogen



Total Phosphorous

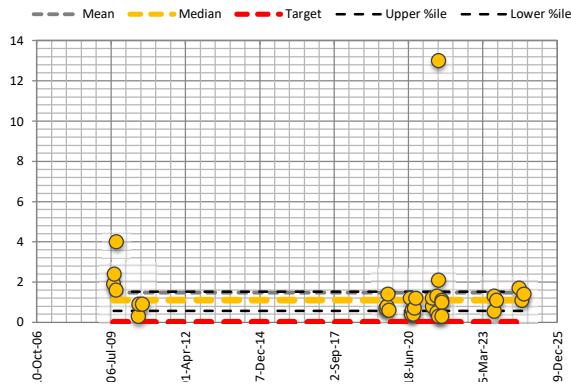


Report Date : 25/07/2025

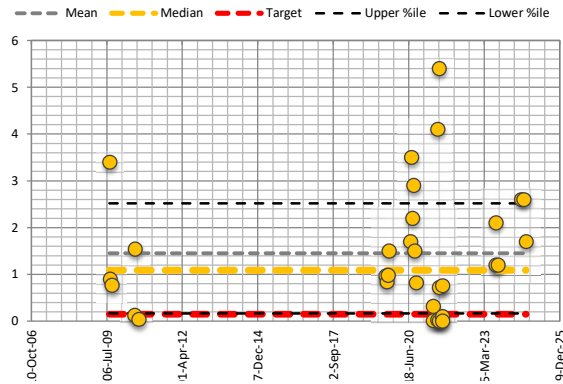
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	30	13.00	14.20	16.597	16.500	17.880	24.300				0
EC	Electrical Conductivity	mS/cm	33	0.03	0.27	0.974	1.130	1.556	1.872		0.300		26
pH	pH	pH	33	6.40	7.23	7.59	7.60	7.98	9.01		8.00		7
DO	Dissolved Oxygen	%	24	53.70	63.98	95.01	77.30	126.00	217.10				0
TN	Total Nitrogen	mg/L	33	0.30	1.20	2.87	2.30	3.62	18.00		1.20		25
TKN	Total Kjeldhal Nitrogen	mg/L	33	0.30	0.57	1.48	1.10	1.52	13.00				0
NO3	Nitrate	mg/L	33	0.01	0.19	1.48	1.20	2.53	5.40				0
NO2	Nitrite	mg/L	33	0.01	0.01	0.02	0.01	0.02	0.08				0
Nox	Nox	mg/L	32	0.005	0.168	1.454	1.090	2.520	5.400		0.15		25
NH3	Ammonia	mg/L	16	0.01	0.01	0.09	0.03	0.09	0.77		0.90		0
TP	Total Phosphorous	mg/L	33	0.05	0.06	0.40	0.14	0.24	5.60		0.07		24
FRP	Filterable Reactive Phosphorous	mg/L	33	0.01	0.01	0.07	0.03	0.10	0.51		0.04		12
As	Arsenic	mg/L	19	0.00100	0.00100	0.00158	0.00100	0.00240	0.00470		0.02400		0
Cd	Cadmium	mg/L	19	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010		0.00020		0
Cr	Chromium	mg/L	19	0.00100	0.00100	0.00132	0.00100	0.00100	0.00600		0.00100		2
Cu	Copper	mg/L	19	0.00100	0.00224	0.01003	0.00490	0.00680	0.10000		0.00140		17
Pb	Lead	mg/L	19	0.00100	0.00100	0.00139	0.00100	0.00144	0.00500		0.00340		1
Hg	Mercury	mg/L	19	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010		0.00060		0
Ni	Nickel	mg/L	19	0.00100	0.00100	0.00170	0.00100	0.00114	0.00600		0.01100		0
Zn	Zinc	mg/L	19	0.00400	0.00786	0.02278	0.01500	0.03300	0.07800		0.00800		15
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0
Ca	Calcium	mg/L	5	14.00	50.00	62.60	68.00	80.60	95.00				0
Mg	Magnesium	mg/L	5	1.90	20.38	25.58	29.00	34.20	39.00				0
K	Potassium	mg/L	5	2.80	5.52	8.42	9.10	12.00	12.00				0
Na	Sodium	mg/L	5	5.00	97.00	141.00	160.00	186.00	250.00				0
H as CaCO3	Hardness as CaCO3	mg/L	5	43.00	208.60	260.60	300.00	328.00	400.00				0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

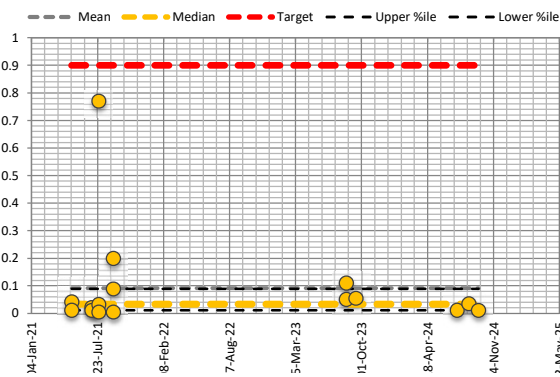
Total Kjeldhal Nitrogen



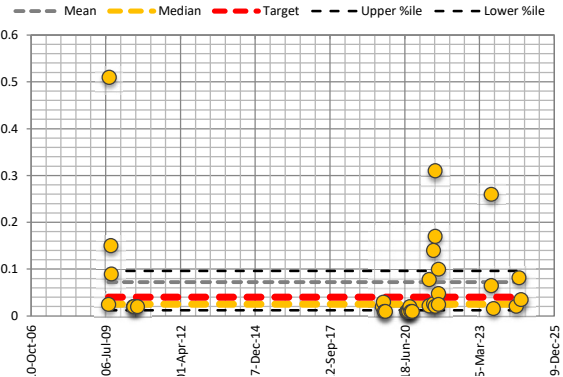
Nox



Ammonia



Filterable Reactive Phosphorous

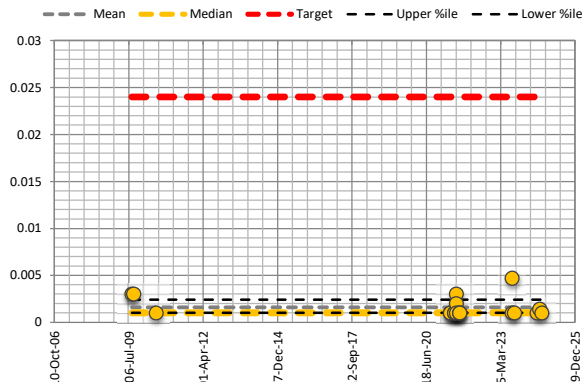


Report Date : 25/07/2025

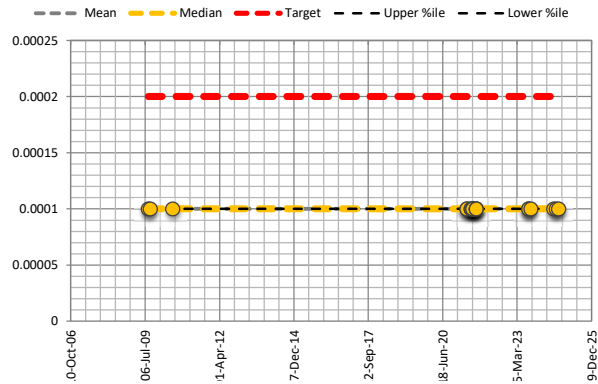
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	30	13.00	14.20	16.597	16.500	17.880	24.300				0
EC	Electrical Conductivity	mS/cm	33	0.03	0.27	0.974	1.130	1.556	1.872			0.300	26
pH	pH	pH	33	6.40	7.23	7.59	7.60	7.98	9.01			8.00	7
DO	Dissolved Oxygen	%	24	53.70	63.98	95.01	77.30	126.00	217.10				0
TN	Total Nitrogen	mg/L	33	0.30	1.20	2.87	2.30	3.62	18.00			1.20	25
TKN	Total Kjeldhal Nitrogen	mg/L	33	0.30	0.57	1.48	1.10	1.52	13.00				0
NO3	Nitrate	mg/L	33	0.01	0.19	1.48	1.20	2.53	5.40				0
NO2	Nitrite	mg/L	33	0.01	0.01	0.02	0.01	0.02	0.08				0
Nox	Nox	mg/L	32	0.005	0.168	1.454	1.090	2.520	5.400			0.15	25
NH3	Ammonia	mg/L	16	0.01	0.01	0.09	0.03	0.09	0.77			0.90	0
TP	Total Phosphorous	mg/L	33	0.05	0.06	0.40	0.14	0.24	5.60			0.07	24
FRP	Filterable Reactive Phosphorus	mg/L	33	0.01	0.01	0.07	0.03	0.10	0.51			0.04	12
As	Arsenic	mg/L	19	0.00100	0.00100	0.00158	0.00100	0.00240	0.00470			0.02400	0
Cd	Cadmium	mg/L	19	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010			0.00020	0
Cr	Chromium	mg/L	19	0.00100	0.00100	0.00132	0.00100	0.00100	0.00600			0.00100	2
Cu	Copper	mg/L	19	0.00100	0.00224	0.01003	0.00490	0.00680	0.10000			0.00140	17
Pb	Lead	mg/L	19	0.00100	0.00100	0.00139	0.00100	0.00144	0.00500			0.00340	1
Hg	Mercury	mg/L	19	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010			0.00060	0
Ni	Nickel	mg/L	19	0.00100	0.00100	0.00170	0.00100	0.00114	0.00600			0.01100	0
Zn	Zinc	mg/L	19	0.00400	0.00786	0.02278	0.01500	0.03300	0.07800			0.00800	15
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0
Ca	Calcium	mg/L	5	14.00	50.00	62.60	68.00	80.60	95.00				0
Mg	Magnesium	mg/L	5	1.90	20.38	25.58	29.00	34.20	39.00				0
K	Potassium	mg/L	5	2.80	5.52	8.42	9.10	12.00	12.00				0
Na	Sodium	mg/L	5	5.00	97.00	141.00	160.00	186.00	250.00				0
H as CaCO3	Hardness as CaCO3	mg/L	5	43.00	208.60	260.60	300.00	328.00	400.00				0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

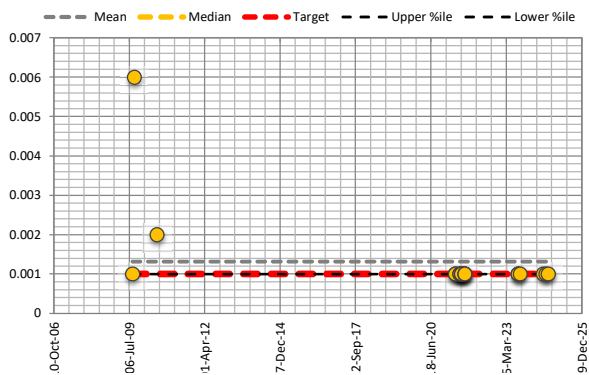
Arsenic



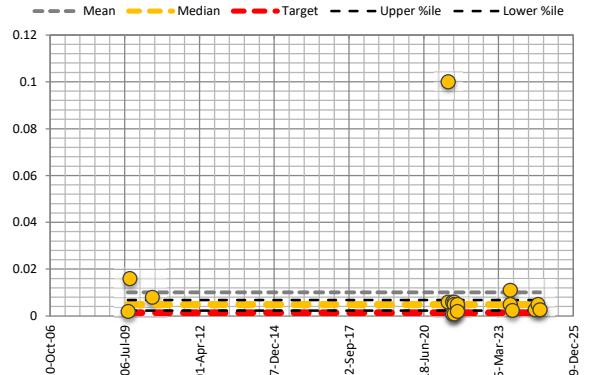
Cadmium



Chromium



Copper

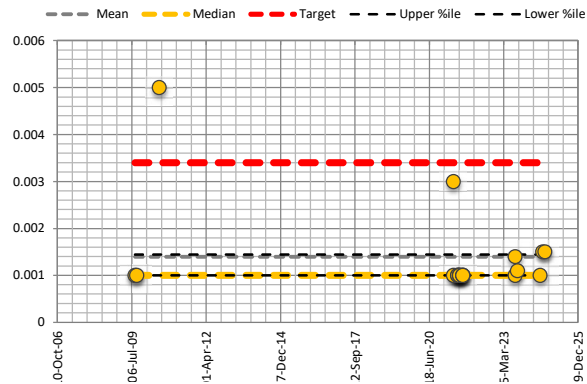


Report Date : 25/07/2025

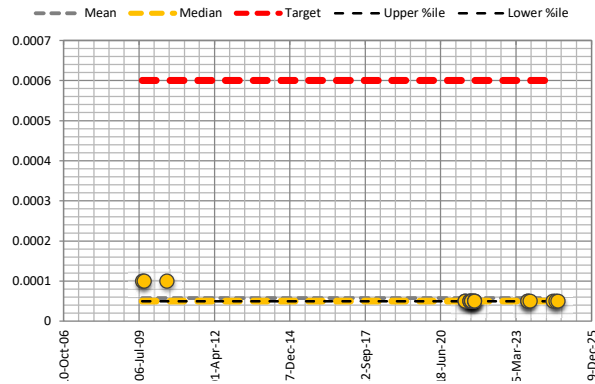
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80			20	80			
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	30	13.00	14.20	16.597	16.500	17.880	24.300				0
EC	Electrical Conductivity	mS/cm	33	0.03	0.27	0.974	1.130	1.556	1.872		0.300		26
pH	pH	pH	33	6.40	7.23	7.59	7.60	7.98	9.01		8.00		7
DO	Dissolved Oxygen	%	24	53.70	63.98	95.01	77.30	126.00	217.10				0
TN	Total Nitrogen	mg/L	33	0.30	1.20	2.87	2.30	3.62	18.00		1.20		25
TKN	Total Kjeldhal Nitrogen	mg/L	33	0.30	0.57	1.48	1.10	1.52	13.00				0
NO3	Nitrate	mg/L	33	0.01	0.19	1.48	1.20	2.53	5.40				0
NO2	Nitrite	mg/L	33	0.01	0.01	0.02	0.01	0.02	0.08				0
Nox	Nox	mg/L	32	0.005	0.168	1.454	1.090	2.520	5.400		0.15		25
NH3	Ammonia	mg/L	16	0.01	0.01	0.09	0.03	0.09	0.77		0.90		0
TP	Total Phosphorous	mg/L	33	0.05	0.06	0.40	0.14	0.24	5.60		0.07		24
FRP	Filterable Reactive Phosphorus	mg/L	33	0.01	0.01	0.07	0.03	0.10	0.51		0.04		12
As	Arsenic	mg/L	19	0.00100	0.00100	0.00158	0.00100	0.00240	0.00470		0.02400		0
Cd	Cadmium	mg/L	19	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010		0.00020		0
Cr	Chromium	mg/L	19	0.00100	0.00100	0.00132	0.00100	0.00100	0.00600		0.00100		2
Cu	Copper	mg/L	19	0.00100	0.00224	0.01003	0.00490	0.00680	0.10000		0.00140		17
Pb	Lead	mg/L	19	0.00100	0.00100	0.00139	0.00100	0.00144	0.00500		0.00340		1
Hg	Mercury	mg/L	19	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010		0.00060		0
Ni	Nickel	mg/L	19	0.00100	0.00100	0.00170	0.00100	0.00114	0.00600		0.01100		0
Zn	Zinc	mg/L	19	0.00400	0.00786	0.02278	0.01500	0.03300	0.07800		0.00800		15
Cl	Chloride	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0
Ca	Calcium	mg/L	5	14.00	50.00	62.60	68.00	80.60	95.00				0
Mg	Magnesium	mg/L	5	1.90	20.38	25.58	29.00	34.20	39.00				0
K	Potassium	mg/L	5	2.80	5.52	8.42	9.10	12.00	12.00				0
Na	Sodium	mg/L	5	5.00	97.00	141.00	160.00	186.00	250.00				0
H as CaCO3	Hardness as CaCO3	mg/L	5	43.00	208.60	260.60	300.00	328.00	400.00				0
SiO2	Silica	mg/L	0	0.00	0.00	0.00	0.00	0.00	0.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

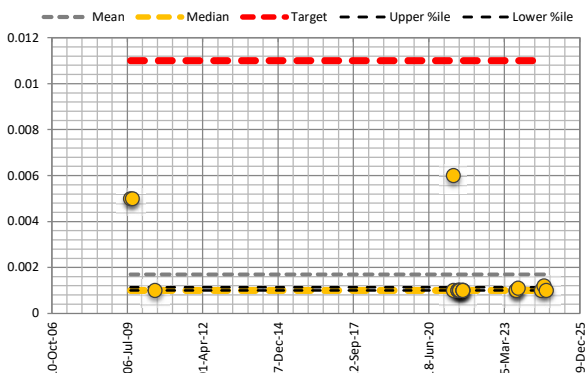
Lead



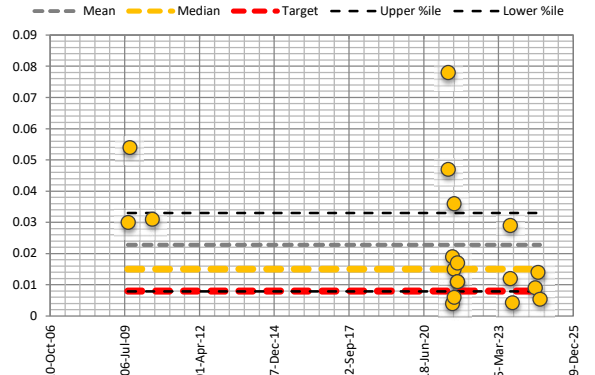
Mercury



Nickel



Zinc

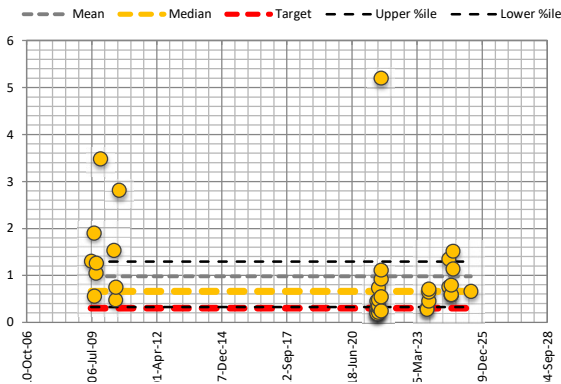


Report Date : 25/07/2025

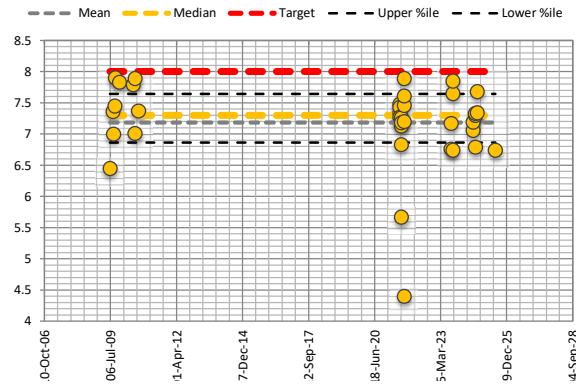
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80						ANZECC 95% & Lowland Rivers	
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	36	11.80	13.40	15.769	14.600	17.900	26.200				0
EC	Electrical Conductivity	mS/cm	37	0.19	0.33	0.977	0.660	1.293	5.200	0.300			30
pH	pH	pH	37	4.40	6.86	7.18	7.30	7.64	7.90	8.00			0
DO	Dissolved Oxygen	%	27	8.30	52.60	71.59	57.50	70.50	243.10				0
TKN	Total Nitrogen	mg/L	37	0.96	1.40	2.07	1.90	2.78	4.90	1.20			32
TKN	Total Kjeldhal Nitrogen	mg/L	36	0.94	1.30	1.90	1.70	2.20	4.80				0
NO3	Nitrate	mg/L	37	0.01	0.01	0.19	0.07	0.22	1.30				0
NO2	Nitrite	mg/L	37	0.01	0.01	0.02	0.01	0.03	0.05				0
Nox	Nox	mg/L	36	0.005	0.005	0.193	0.059	0.220	1.300	0.15			15
NH3	Ammonia	mg/L	27	0.01	0.01	0.15	0.02	0.04	2.70	0.90			1
TP	Total Phosphorous	mg/L	37	0.05	0.05	0.16	0.17	0.24	0.32	0.07			28
FRP	Filterable Reactive Phosphorous	mg/L	37	0.01	0.01	0.09	0.09	0.16	0.32	0.04			23
As	Arsenic	mg/L	30	0.00100	0.00100	0.00173	0.00185	0.00212	0.00400	0.02400			0
Cd	Cadmium	mg/L	30	0.00010	0.00010	0.00011	0.00010	0.00010	0.00030	0.00020			1
Cr	Chromium	mg/L	30	0.00100	0.00100	0.00121	0.00100	0.00100	0.00600	0.00100			3
Cu	Copper	mg/L	30	0.00100	0.00198	0.00280	0.00235	0.00306	0.01300	0.00140			26
Pb	Lead	mg/L	30	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340			0
Hg	Mercury	mg/L	30	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010	0.00060			0
Ni	Nickel	mg/L	30	0.00100	0.00108	0.00300	0.00200	0.00254	0.01900	0.01100			2
Zn	Zinc	mg/L	30	0.00290	0.00762	0.02520	0.01150	0.01740	0.36000	0.00800			22
Cl	Chloride	mg/L	1	104.00	104.00	104.00	104.00	104.00	104.00				0
Ca	Calcium	mg/L	11	13.00	27.00	41.55	45.00	54.00	65.00				0
Mg	Magnesium	mg/L	11	4.80	10.00	13.35	14.00	16.00	22.00				0
K	Potassium	mg/L	11	3.90	6.90	9.40	9.00	12.00	15.00				0
Na	Sodium	mg/L	11	25.00	53.00	74.09	65.00	80.00	200.00				0
H as CaCO3	Hardness as CaCO3	mg/L	11	58.00	110.00	158.45	170.00	220.00	230.00				0
SiO2	Silica	mg/L	1	16.00	16.00	16.00	16.00	16.00	16.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

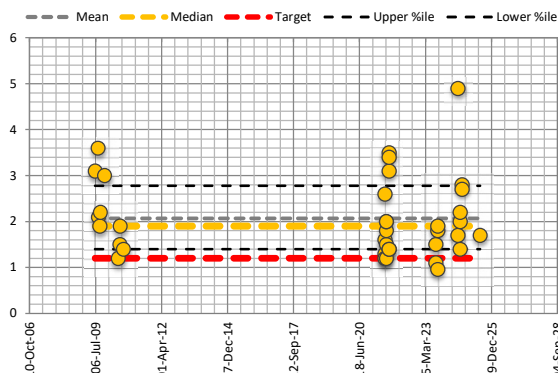
Electrical Conductivity



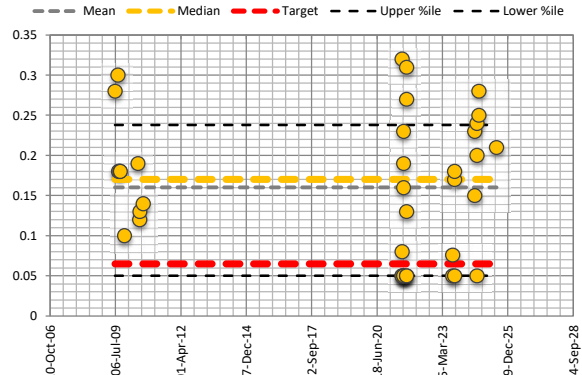
pH



Total Nitrogen



Total Phosphorous

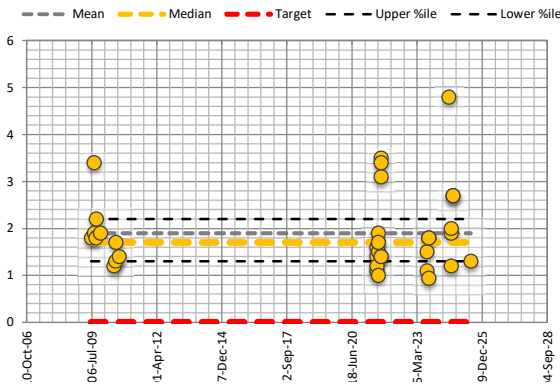


Report Date : 25/07/2025

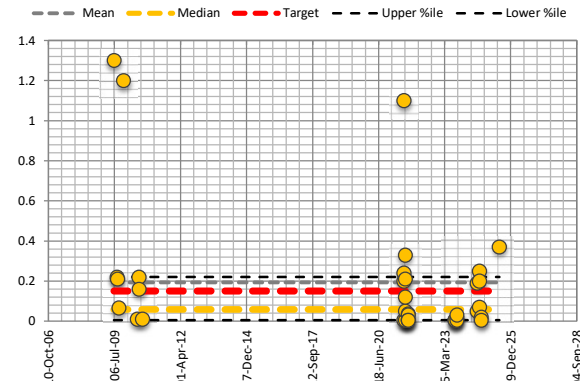
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	ANZECC 95% & Lowland Rivers	Times Exceeded
					20	80								
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		✓	0
T	Temperature	°C	36	11.80	13.40	15.769	14.600	17.900	26.200				✓	0
EC	Electrical Conductivity	mS/cm	37	0.19	0.33	0.977	0.660	1.293	5.200			0.300	✗	30
pH	pH	pH	37	4.40	6.86	7.18	7.30	7.64	7.90			8.00	✓	0
DO	Dissolved Oxygen	%	27	8.30	52.60	71.59	57.50	70.50	243.10				✓	0
TN	Total Nitrogen	mg/L	37	0.96	1.40	2.07	1.90	2.78	4.90			1.20	✗	32
TKN	Total Kjeldhal Nitrogen	mg/L	36	0.94	1.30	1.90	1.70	2.20	4.80				✓	0
NO3	Nitrate	mg/L	37	0.01	0.01	0.19	0.07	0.22	1.30				✓	0
NO2	Nitrite	mg/L	37	0.01	0.01	0.02	0.01	0.03	0.05				✓	0
Nox	Nox	mg/L	36	0.005	0.005	0.193	0.059	0.220	1.300			0.15	✗	15
NH3	Ammonia	mg/L	27	0.01	0.01	0.15	0.02	0.04	2.70			0.90	✗	1
TP	Total Phosphorous	mg/L	37	0.05	0.05	0.16	0.17	0.24	0.32			0.07	✗	28
FRP	Filterable Reactive Phosphorous	mg/L	37	0.01	0.01	0.09	0.09	0.16	0.32			0.04	✗	23
As	Arsenic	mg/L	30	0.00100	0.00100	0.00173	0.00185	0.00212	0.00400			0.02400	✓	0
Cd	Cadmium	mg/L	30	0.00010	0.00010	0.00011	0.00010	0.00010	0.00030			0.00020	✓	1
Cr	Chromium	mg/L	30	0.00100	0.00100	0.00121	0.00100	0.00100	0.00600			0.00100	✗	3
Cu	Copper	mg/L	30	0.00100	0.00198	0.00280	0.00235	0.00306	0.01300			0.00140	✗	26
Pb	Lead	mg/L	30	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100			0.00340	✓	0
Hg	Mercury	mg/L	30	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010			0.00060	✓	0
Ni	Nickel	mg/L	30	0.00100	0.00108	0.00300	0.00200	0.00254	0.01900			0.01100	✗	2
Zn	Zinc	mg/L	30	0.00290	0.00762	0.02520	0.01150	0.01740	0.36000			0.00800	✗	22
Cl	Chloride	mg/L	1	104.00	104.00	104.00	104.00	104.00	104.00				✓	0
Ca	Calcium	mg/L	11	13.00	27.00	41.55	45.00	54.00	65.00				✓	0
Mg	Magnesium	mg/L	11	4.80	10.00	13.35	14.00	16.00	22.00				✓	0
K	Potassium	mg/L	11	3.90	6.90	9.40	9.00	12.00	15.00				✓	0
Na	Sodium	mg/L	11	25.00	53.00	74.09	65.00	80.00	200.00				✓	0
H as CaCO3	Hardness as CaCO3	mg/L	11	58.00	110.00	158.45	170.00	220.00	230.00				✓	0
SiO2	Silica	mg/L	1	16.00	16.00	16.00	16.00	16.00	16.00				✓	0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

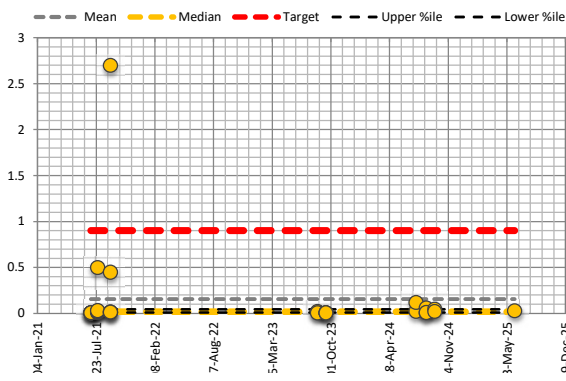
Total Kjeldhal Nitrogen



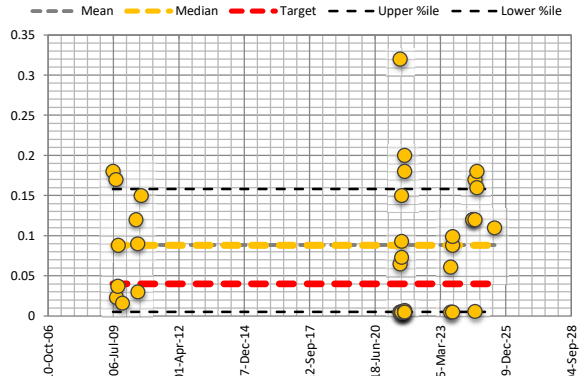
Nox



Ammonia



Filterable Reactive Phosphorous

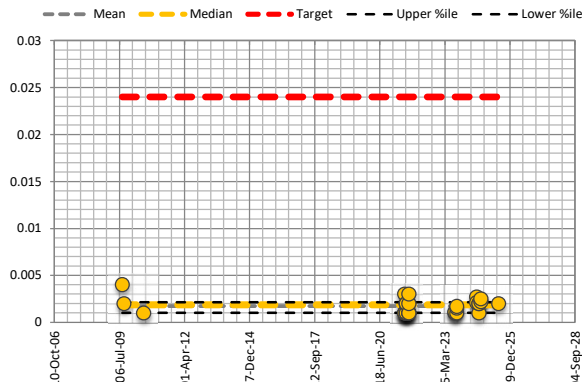


Report Date : 25/07/2025

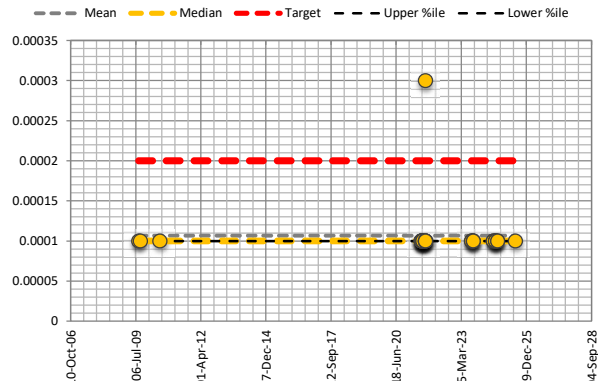
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80						ANZECC 95% & Lowland Rivers	
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	36	11.80	13.40	15.769	14.600	17.900	26.200				0
EC	Electrical Conductivity	mS/cm	37	0.19	0.33	0.977	0.660	1.293	5.200	0.300			30
pH	pH	pH	37	4.40	6.86	7.18	7.30	7.64	7.90	8.00			0
DO	Dissolved Oxygen	%	27	8.30	52.60	71.59	57.50	70.50	243.10				0
TN	Total Nitrogen	mg/L	37	0.96	1.40	2.07	1.90	2.78	4.90	1.20			32
TKN	Total Kjeldhal Nitrogen	mg/L	36	0.94	1.30	1.90	1.70	2.20	4.80				0
NO3	Nitrate	mg/L	37	0.01	0.01	0.19	0.07	0.22	1.30				0
NO2	Nitrite	mg/L	37	0.01	0.01	0.02	0.01	0.03	0.05				0
Nox	Nox	mg/L	36	0.005	0.005	0.193	0.059	0.220	1.300	0.15			15
NH3	Ammonia	mg/L	27	0.01	0.01	0.15	0.02	0.04	2.70	0.90			1
TP	Total Phosphorous	mg/L	37	0.05	0.05	0.16	0.17	0.24	0.32	0.07			28
FRP	Filterable Reactive Phosphorus	mg/L	37	0.01	0.01	0.09	0.09	0.16	0.32	0.04			23
As	Arsenic	mg/L	30	0.00100	0.00100	0.00173	0.00185	0.00212	0.00400	0.02400			0
Cd	Cadmium	mg/L	30	0.00010	0.00010	0.00011	0.00010	0.00010	0.00030	0.00020			1
Cr	Chromium	mg/L	30	0.00100	0.00100	0.00121	0.00100	0.00100	0.00600	0.00100			3
Cu	Copper	mg/L	30	0.00100	0.00198	0.00280	0.00235	0.00306	0.01300	0.00140			26
Pb	Lead	mg/L	30	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340			0
Hg	Mercury	mg/L	30	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010	0.00060			0
Ni	Nickel	mg/L	30	0.00100	0.00108	0.00300	0.00200	0.00254	0.01900	0.01100			2
Zn	Zinc	mg/L	30	0.00290	0.00762	0.02520	0.01150	0.01740	0.36000	0.00800			22
Cl	Chloride	mg/L	1	104.00	104.00	104.00	104.00	104.00	104.00				0
Ca	Calcium	mg/L	11	13.00	27.00	41.55	45.00	54.00	65.00				0
Mg	Magnesium	mg/L	11	4.80	10.00	13.35	14.00	16.00	22.00				0
K	Potassium	mg/L	11	3.90	6.90	9.40	9.00	12.00	15.00				0
Na	Sodium	mg/L	11	25.00	53.00	74.09	65.00	80.00	200.00				0
H as CaCO3	Hardness as CaCO3	mg/L	11	58.00	110.00	158.45	170.00	220.00	230.00				0
SiO2	Silica	mg/L	1	16.00	16.00	16.00	16.00	16.00	16.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

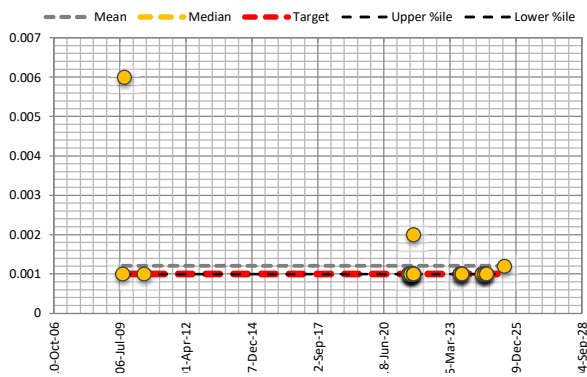
Arsenic



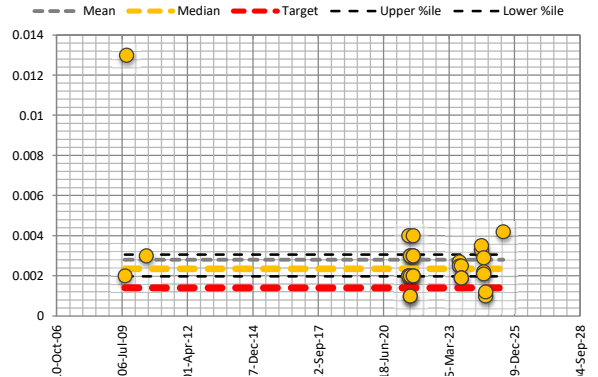
Cadmium



Chromium



Copper

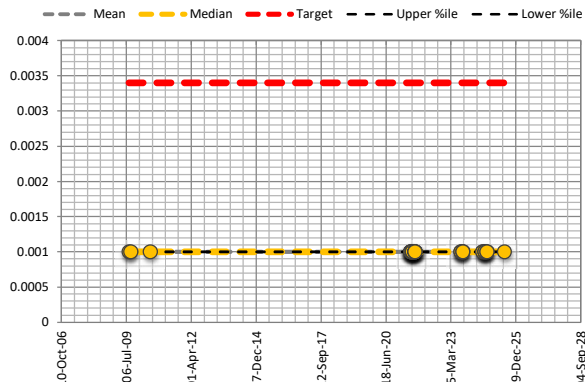


Report Date : 25/07/2025

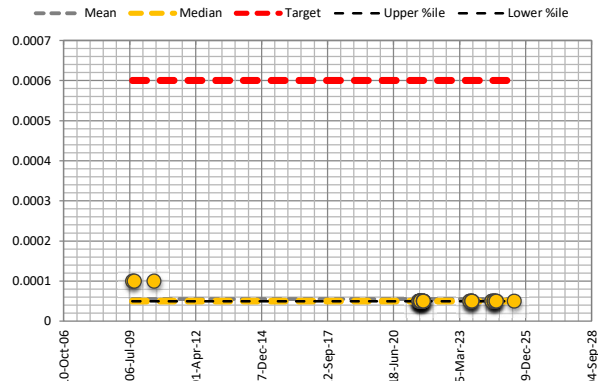
Parameter	Description	Units	Samples	Minimum	Low %ile		Mean	Median	High %ile		Maximum	Target	Times Exceeded
					20	80						ANZECC 95% & Lowland Rivers	
GWL bToC	Groundwater Level	mBToC	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
GWL mAHD	Groundwater Level	mAHD	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0
T	Temperature	°C	36	11.80	13.40	15.769	14.600	17.900	26.200				0
EC	Electrical Conductivity	mS/cm	37	0.19	0.33	0.977	0.660	1.293	5.200	0.300			30
pH	pH	pH	37	4.40	6.86	7.18	7.30	7.64	7.90	8.00			0
DO	Dissolved Oxygen	%	27	8.30	52.60	71.59	57.50	70.50	243.10				0
TN	Total Nitrogen	mg/L	37	0.96	1.40	2.07	1.90	2.78	4.90	1.20			32
TKN	Total Kjeldhal Nitrogen	mg/L	36	0.94	1.30	1.90	1.70	2.20	4.80				0
NO3	Nitrate	mg/L	37	0.01	0.01	0.19	0.07	0.22	1.30				0
NO2	Nitrite	mg/L	37	0.01	0.01	0.02	0.01	0.03	0.05				0
Nox	Nox	mg/L	36	0.005	0.005	0.193	0.059	0.220	1.300	0.15			15
NH3	Ammonia	mg/L	27	0.01	0.01	0.15	0.02	0.04	2.70	0.90			1
TP	Total Phosphorous	mg/L	37	0.05	0.05	0.16	0.17	0.24	0.32	0.07			28
FRP	Filterable Reactive Phosphorus	mg/L	37	0.01	0.01	0.09	0.09	0.16	0.32	0.04			23
As	Arsenic	mg/L	30	0.00100	0.00100	0.00173	0.00185	0.00212	0.00400	0.02400			0
Cd	Cadmium	mg/L	30	0.00010	0.00010	0.00011	0.00010	0.00010	0.00030	0.00020			1
Cr	Chromium	mg/L	30	0.00100	0.00100	0.00121	0.00100	0.00100	0.00600	0.00100			3
Cu	Copper	mg/L	30	0.00100	0.00198	0.00280	0.00235	0.00306	0.01300	0.00140			26
Pb	Lead	mg/L	30	0.00100	0.00100	0.00100	0.00100	0.00100	0.00340				0
Hg	Mercury	mg/L	30	0.00005	0.00005	0.00006	0.00005	0.00005	0.00010	0.00060			0
Ni	Nickel	mg/L	30	0.00100	0.00108	0.00300	0.00200	0.00254	0.01900	0.01100			2
Zn	Zinc	mg/L	30	0.00290	0.00762	0.02520	0.01150	0.01740	0.36000	0.00800			22
Cl	Chloride	mg/L	1	104.00	104.00	104.00	104.00	104.00	104.00				0
Ca	Calcium	mg/L	11	13.00	27.00	41.55	45.00	54.00	65.00				0
Mg	Magnesium	mg/L	11	4.80	10.00	13.35	14.00	16.00	22.00				0
K	Potassium	mg/L	11	3.90	6.90	9.40	9.00	12.00	15.00				0
Na	Sodium	mg/L	11	25.00	53.00	74.09	65.00	80.00	200.00				0
H as CaCO3	Hardness as CaCO3	mg/L	11	58.00	110.00	158.45	170.00	220.00	230.00				0
SiO2	Silica	mg/L	1	16.00	16.00	16.00	16.00	16.00	16.00				0

* For EC, pH, and DO, upper and lower limits apply - exceedences and targets shown in table apply to upper limit values only

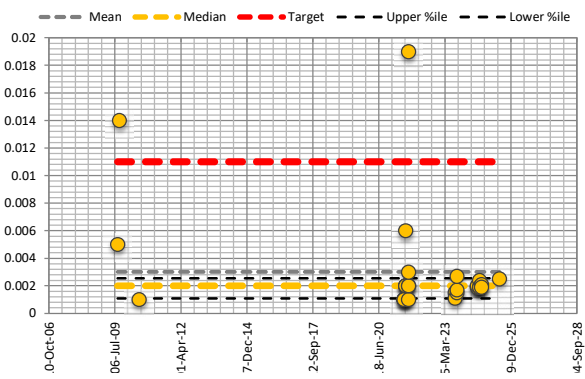
Lead



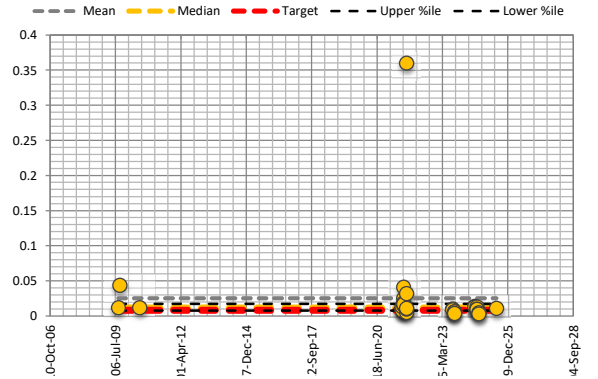
Mercury



Nickel



Zinc



APPENDIX I

Groundwater Level Hydrographs

H21003 Wattle Grove South Monitoring

WG1 Hyd2o Bore Wattle Grove 1

Site Bore Victoria Rd North - Rear of Lot (Install : Nov 2020)

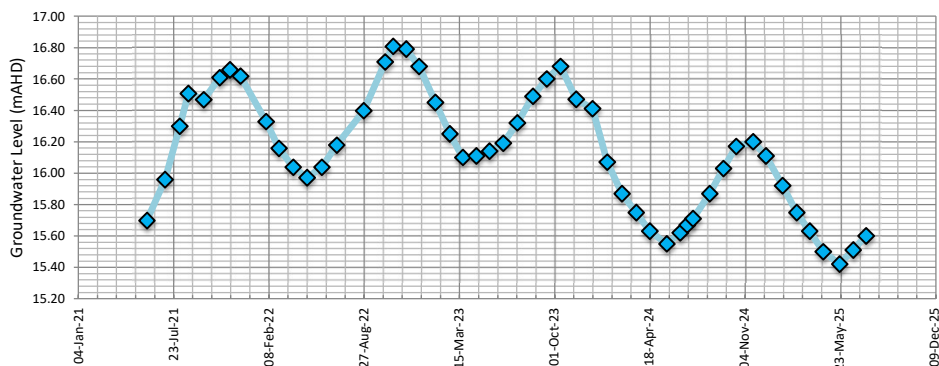


Data Analysis Period Start Date 1/01/2009
Data Analysis Period End Date 15/07/2025

Easting 406115
Northing 6457800

Natural Surface (mAHD) 31.45
Top of Casing (m AHD) 32.10
End of Hole (mAHD) 13.95

Report Date : 25/07/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
28/05/2021	16.40	15.70	15.75
5/07/2021	16.14	15.96	15.49
5/08/2021	15.80	16.30	15.15
23/08/2021	15.59	16.51	14.94
24/09/2021	15.63	16.47	14.98
28/10/2021	15.49	16.61	14.84
18/11/2021	15.44	16.66	14.79
10/12/2021	15.48	16.62	14.83
2/02/2022	15.77	16.33	15.12
1/03/2022	15.94	16.16	15.29
31/03/2022	16.06	16.04	15.41
29/04/2022	16.13	15.97	15.48
30/05/2022	16.06	16.04	15.41
30/06/2022	15.92	16.18	15.27
26/08/2022	15.70	16.40	15.05
10/10/2022	15.39	16.71	14.74
27/10/2022	15.29	16.81	14.64
23/11/2022	15.31	16.79	14.66
20/12/2022	15.42	16.68	14.77
23/01/2023	15.65	16.45	15.00
23/02/2023	15.85	16.25	15.20
22/03/2023	16.00	16.10	15.35
19/04/2023	15.99	16.11	15.34
17/05/2023	15.96	16.14	15.31
15/06/2023	15.91	16.19	15.26
14/07/2023	15.78	16.32	15.13
16/08/2023	15.61	16.49	14.96
14/09/2023	15.50	16.60	14.85
13/10/2023	15.42	16.68	14.77
15/11/2023	15.63	16.47	14.98
19/12/2023	15.69	16.41	15.04
19/01/2024	16.03	16.07	15.38
19/02/2024	16.23	15.87	15.58
20/03/2024	16.35	15.75	15.70
17/04/2024	16.47	15.63	15.82
23/05/2024	16.55	15.55	15.90
20/06/2024	16.48	15.62	15.83
5/07/2024	16.43	15.67	15.78
17/07/2024	16.39	15.71	15.74
21/08/2024	16.23	15.87	15.58
19/09/2024	16.07	16.03	15.42
16/10/2024	15.93	16.17	15.28
20/11/2024	15.90	16.20	15.25
17/12/2024	15.99	16.11	15.34
21/01/2025	16.18	15.92	15.53
20/02/2025	16.35	15.75	15.70
19/03/2025	16.47	15.63	15.82
16/04/2025	16.60	15.50	15.95
21/05/2025	16.68	15.42	16.03
18/06/2025	16.59	15.51	15.94
15/07/2025	16.50	15.60	15.85

Minimum Recorded Level (mAHD) 15.55
Maximum Recorded Level (mAHD) 16.81

FieldDAE

Field Data Analysis & Evaluation System

H21003 Wattle Grove South Monitoring

WG2 Hyd2o Bore Wattle Grove 2 (Deep)

Site Bore Victoria Rd South - Front of Lot (Install : Nov 2020)



Data Analysis Period Start Date

1/01/2009

Easting

405780

Data Analysis Period End Date

15/07/2025

Northing

6457018

Natural Surface (mAHD)

25.47

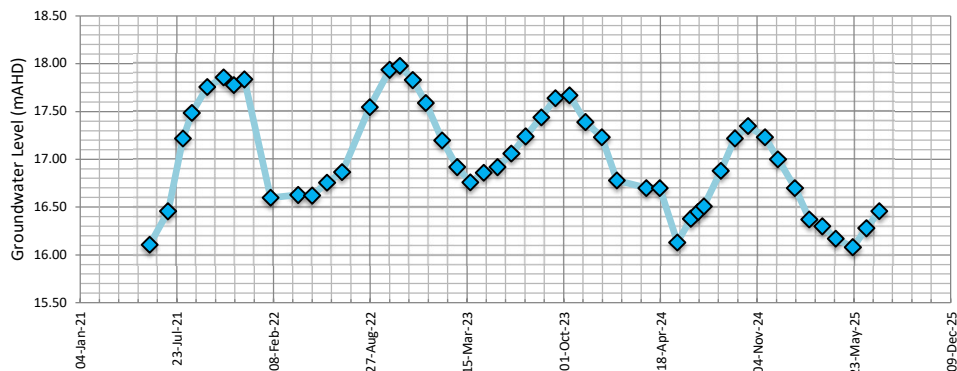
Top of Casing (m AHD)

26.12

End of Hole (mAHD)

14.47

Report Date : 25/07/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
28/05/2021	10.01	16.11	9.36
5/07/2021	9.66	16.46	9.01
5/08/2021	8.90	17.22	8.25
23/08/2021	8.63	17.49	7.98
24/09/2021	8.36	17.76	7.71
28/10/2021	8.26	17.86	7.61
18/11/2021	8.34	17.78	7.69
10/12/2021	8.28	17.84	7.63
2/02/2022	9.52	16.60	8.87
31/03/2022	9.49	16.63	8.84
29/04/2022	9.50	16.62	8.85
30/05/2022	9.36	16.76	8.71
30/06/2022	9.25	16.87	8.60
26/08/2022	8.57	17.55	7.92
6/10/2022	8.18	17.94	7.53
27/10/2022	8.14	17.98	7.49
23/11/2022	8.29	17.83	7.64
20/12/2022	8.53	17.59	7.88
23/01/2023	8.92	17.20	8.27
23/02/2023	9.20	16.92	8.55
22/03/2023	9.36	16.76	8.71
19/04/2023	9.26	16.86	8.61
17/05/2023	9.20	16.92	8.55
15/06/2023	9.06	17.06	8.41
14/07/2023	8.88	17.24	8.23
16/08/2023	8.68	17.44	8.03
14/09/2023	8.48	17.64	7.83
13/10/2023	8.45	17.67	7.80
15/11/2023	8.73	17.39	8.08
19/12/2023	8.89	17.23	8.24
19/01/2024	9.34	16.78	8.69
20/03/2024	9.42	16.70	8.77
17/04/2024	9.42	16.70	8.77
23/05/2024	9.99	16.13	9.34
20/06/2024	9.74	16.38	9.09
5/07/2024	9.67	16.45	9.02
17/07/2024	9.61	16.51	8.96
21/08/2024	9.24	16.88	8.59
19/09/2024	8.90	17.22	8.25
16/10/2024	8.77	17.35	8.12
20/11/2024	8.89	17.23	8.24
17/12/2024	9.12	17.00	8.47
21/01/2025	9.42	16.70	8.77
20/02/2025	9.75	16.37	9.10
19/03/2025	9.82	16.30	9.17
16/04/2025	9.95	16.17	9.30
21/05/2025	10.04	16.08	9.39
18/06/2025	9.84	16.28	9.19
15/07/2025	9.66	16.46	9.01

Minimum Recorded Level (mAHD)

16.11

Maximum Recorded Level (mAHD)

17.98

FieldDAE

Field Data Analysis & Evaluation System

WG2S Hyd2o Bore Wattle Grove 2 Shallow

Site Bore Victoria Rd South - Front of Lot (Install : July 2022)



Data Analysis Period Start Date

1/01/2009

Easting

405781

Data Analysis Period End Date

15/07/2025

Northing

6457018

Natural Surface (mAHD)

25.21

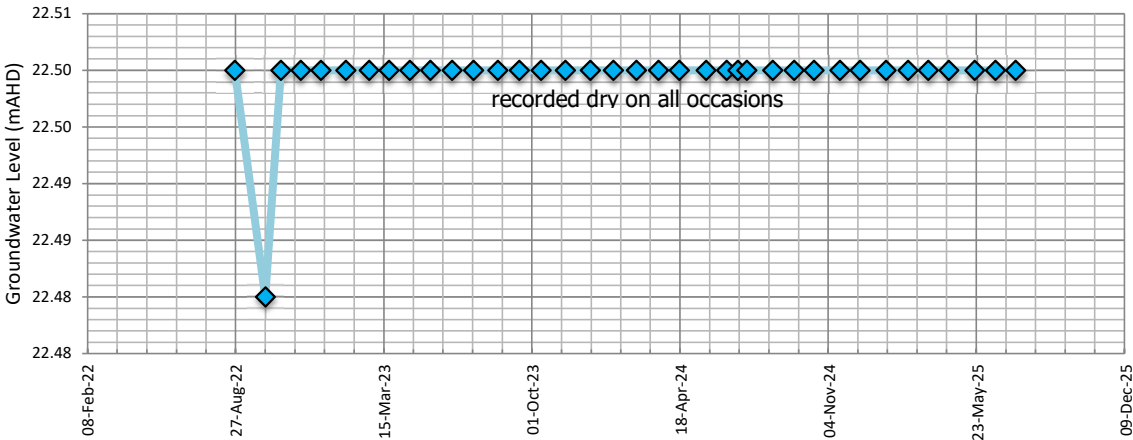
Top of Casing (m AHD)

26.01

End of Hole (mAHD)

22.21

Report Date : 25/07/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
26/08/2022	3.51	22.50	2.71
6/10/2022	3.53	22.48	2.73
27/10/2022	3.51	22.50	2.71
23/11/2022	3.51	22.50	2.71
20/12/2022	3.51	22.50	2.71
23/01/2023	3.51	22.50	2.71
23/02/2023	3.51	22.50	2.71
22/03/2023	3.51	22.50	2.71
19/04/2023	3.51	22.50	2.71
17/05/2023	3.51	22.50	2.71
15/06/2023	3.51	22.50	2.71
14/07/2023	3.51	22.50	2.71
16/08/2023	3.51	22.50	2.71
14/09/2023	3.51	22.50	2.71
13/10/2023	3.51	22.50	2.71
15/11/2023	3.51	22.50	2.71
19/12/2023	3.51	22.50	2.71
19/01/2024	3.51	22.50	2.71
19/02/2024	3.51	22.50	2.71
20/03/2024	3.51	22.50	2.71
17/04/2024	3.51	22.50	2.71
23/05/2024	3.51	22.50	2.71
20/06/2024	3.51	22.50	2.71
5/07/2024	3.51	22.50	2.71
17/07/2024	3.51	22.50	2.71
21/08/2024	3.51	22.50	2.71
19/09/2024	3.51	22.50	2.71
16/10/2024	3.51	22.50	2.71
20/11/2024	3.51	22.50	2.71
17/12/2024	3.51	22.50	2.71
21/01/2025	3.51	22.50	2.71
20/02/2025	3.51	22.50	2.71
19/03/2025	3.51	22.50	2.71
16/04/2025	3.51	22.50	2.71
21/05/2025	3.51	22.50	2.71
18/06/2025	3.51	22.50	2.71
15/07/2025	3.51	22.50	2.71

Minimum Recorded Level (mAHD)

22.48

Maximum Recorded Level (mAHD)

22.50

FieldDAE

Field Data Analysis & Evaluation System

H21003 Wattle Grove South Monitoring

WG3 Hyd2o Bore Wattle Grove 3

Site Bore Brentwood Rd South - Front of Lot (Install : Nov 2020)

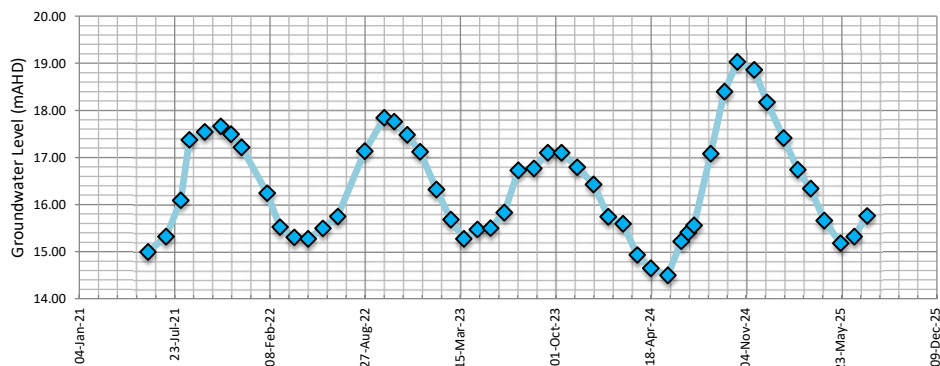


Data Analysis Period Start Date	1/01/2009
Data Analysis Period End Date	15/07/2025

Easting	405419
Northing	6457710

Natural Surface (mAHD)	22.32
Top of Casing (m AHD)	22.97
End of Hole (mAHD)	14.32

Report Date : 25/07/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
28/05/2021	7.98	14.99	7.33
5/07/2021	7.65	15.32	7.00
5/08/2021	6.88	16.09	6.23
23/08/2021	5.60	17.37	4.95
24/09/2021	5.43	17.54	4.78
28/10/2021	5.31	17.66	4.66
18/11/2021	5.48	17.49	4.83
10/12/2021	5.76	17.21	5.11
2/02/2022	6.73	16.24	6.08
1/03/2022	7.45	15.52	6.80
31/03/2022	7.67	15.30	7.02
29/04/2022	7.70	15.27	7.05
30/05/2022	7.48	15.49	6.83
30/06/2022	7.23	15.74	6.58
26/08/2022	5.84	17.13	5.19
6/10/2022	5.13	17.84	4.48
27/10/2022	5.21	17.76	4.56
23/11/2022	5.49	17.48	4.84
20/12/2022	5.85	17.12	5.20
23/01/2023	6.65	16.32	6.00
23/02/2023	7.29	15.68	6.64
22/03/2023	7.70	15.27	7.05
19/04/2023	7.50	15.47	6.85
17/05/2023	7.47	15.50	6.82
15/06/2023	7.14	15.83	6.49
14/07/2023	6.24	16.73	5.59
16/08/2023	6.20	16.77	5.55
14/09/2023	5.87	17.10	5.22
13/10/2023	5.87	17.10	5.22
15/11/2023	6.18	16.79	5.53
19/12/2023	6.54	16.43	5.89
19/01/2024	7.23	15.74	6.58
19/02/2024	7.38	15.59	6.73
20/03/2024	8.04	14.93	7.39
17/04/2024	8.32	14.65	7.67
23/05/2024	8.47	14.50	7.82
20/06/2024	7.75	15.22	7.10
5/07/2024	7.56	15.41	6.91
17/07/2024	7.41	15.56	6.76
21/08/2024	5.89	17.08	5.24
19/09/2024	4.57	18.40	3.92
16/10/2024	3.94	19.03	3.29
20/11/2024	4.11	18.86	3.46
17/12/2024	4.80	18.17	4.15
21/01/2025	5.56	17.41	4.91
20/02/2025	6.23	16.74	5.58
19/03/2025	6.63	16.34	5.98
16/04/2025	7.31	15.66	6.66
21/05/2025	7.79	15.18	7.14
18/06/2025	7.65	15.32	7.00
15/07/2025	7.21	15.76	6.56

Minimum Recorded Level (mAHD)	14.50
Maximum Recorded Level (mAHD)	19.03

FieldDAE

Field Data Analysis & Evaluation System

H21003 Wattle Grove South Monitoring

WG4D Hyd2o Bore Wattle Grove 4 Deep

Site Bore Brentwood Rd North - Front of Lot (Install : Jul 2022)



Data Analysis Period Start Date
Data Analysis Period End Date

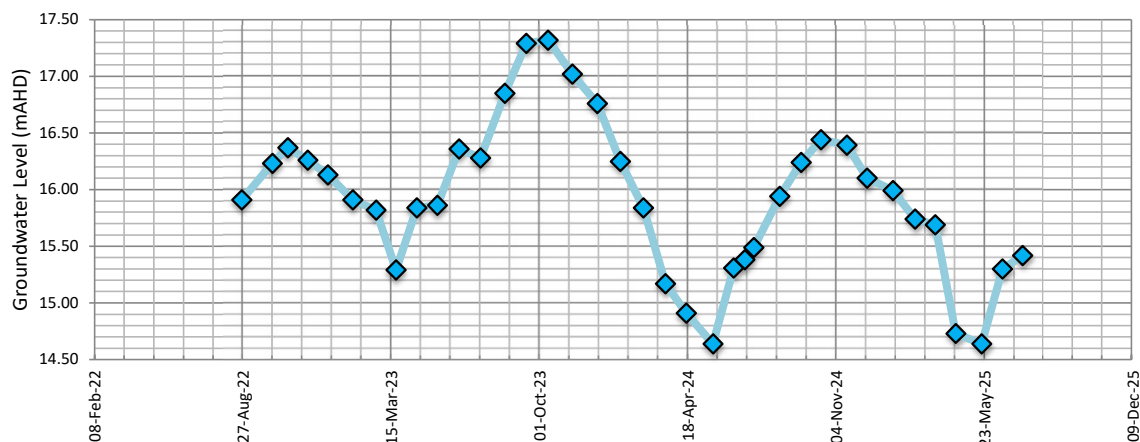
1/01/2009
15/07/2025

Easting
Northing

405736
6458037

Natural Surface (mAHD) 25.11
Top of Casing (m AHD) 25.73
End of Hole (mAHD) 13.11

Report Date : 25/07/2025



Date	Groundwater bTOC	Groundwater mAHD	Depth Below NS m
26/08/2022	9.82	15.91	9.20
6/10/2022	9.50	16.23	8.88
27/10/2022	9.36	16.37	8.74
23/11/2022	9.47	16.26	8.85
20/12/2022	9.60	16.13	8.98
23/01/2023	9.82	15.91	9.20
23/02/2023	9.91	15.82	9.29
22/03/2023	10.44	15.29	9.82
19/04/2023	9.89	15.84	9.27
17/05/2023	9.87	15.86	9.25
15/06/2023	9.37	16.36	8.75
14/07/2023	9.45	16.28	8.83
16/08/2023	8.88	16.85	8.26
14/09/2023	8.44	17.29	7.82
13/10/2023	8.41	17.32	7.79
15/11/2023	8.71	17.02	8.09
19/12/2023	8.97	16.76	8.35
19/01/2024	9.48	16.25	8.86
19/02/2024	9.89	15.84	9.27
20/03/2024	10.56	15.17	9.94
17/04/2024	10.82	14.91	10.20
23/05/2024	11.09	14.64	10.47
20/06/2024	10.42	15.31	9.80
5/07/2024	10.35	15.38	9.73
17/07/2024	10.24	15.49	9.62
21/08/2024	9.79	15.94	9.17
19/09/2024	9.49	16.24	8.87
16/10/2024	9.29	16.44	8.67
20/11/2024	9.34	16.39	8.72
17/12/2024	9.63	16.10	9.01
21/01/2025	9.74	15.99	9.12
20/02/2025	9.99	15.74	9.37
19/03/2025	10.04	15.69	9.42
16/04/2025	11.00	14.73	10.38
21/05/2025	11.09	14.64	10.47
18/06/2025	10.43	15.30	9.81
15/07/2025	10.31	15.42	9.69

Minimum Recorded Level (mAHD) 14.64
Maximum Recorded Level (mAHD) 17.32

FieldDAE

Field Data Analysis & Evaluation System